

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049796.D
 Acq On : 13 Jul 2018 14:49
 Operator : MD\SY
 Sample : VN0713WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:02:47 AM

Quant Time: Jul 14 00:04:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1093780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1605830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1444279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	730530	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	591821	46.51	ug/l	0.00
Spiked Amount				50.000		
Recovery						93.02%
35) Dibromofluoromethane	7.59	113	564147	46.61	ug/l	0.00
Spiked Amount				50.000		
Recovery						93.22%
50) Toluene-d8	10.09	98	1848425	44.61	ug/l	0.00
Spiked Amount				50.000		
Recovery						89.22%
62) 4-Bromofluorobenzene	12.40	95	656828	44.38	ug/l	0.00
Spiked Amount				50.000		
Recovery						88.76%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200907	20.43	ug/l	96
3) Chloromethane	2.06	50	263177	20.31	ug/l	100
4) Vinyl Chloride	2.18	62	300471	21.29	ug/l	99
5) Bromomethane	2.57	94	186507	20.98	ug/l	99
6) Chloroethane	2.71	64	197741	20.33	ug/l	99
7) Trichlorofluoromethane	3.02	101	429706	20.72	ug/l	96
8) Diethyl Ether	3.42	74	147348	19.83	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	272732	20.26	ug/l	99
10) Methyl Iodide	3.96	142	355880	20.80	ug/l	98
11) Tert butyl alcohol	4.80	59	85491	100.39	ug/l	98
12) 1,1-Dichloroethene	3.74	96	233481	19.74	ug/l	97
13) Acrolein	3.61	56	70975	94.89	ug/l	98
14) Allyl chloride	4.33	41	377280	19.55	ug/l	97
15) Acrylonitrile	4.99	53	438717	102.87	ug/l	98
16) Acetone	3.82	43	348895	110.25	ug/l	99
17) Carbon Disulfide	4.05	76	613499	19.99	ug/l	99
18) Methyl Acetate	4.33	43	235234	21.72	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	670572	20.44	ug/l	99
20) Methylene Chloride	4.55	84	287033	21.47	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	252358	19.52	ug/l	97
22) Diisopropyl ether	5.96	45	840325	21.19	ug/l	99
23) Vinyl Acetate	5.90	43	2718115	102.29	ug/l	100
24) 1,1-Dichloroethane	5.85	63	519440	20.85	ug/l	100
25) 2-Butanone	6.84	43	514828	103.83	ug/l	99
26) 2,2-Dichloropropane	6.83	77	430929	20.84	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	300675	20.34	ug/l	99
28) Bromochloromethane	7.20	49	197396	17.42	ug/l	98
29) Tetrahydrofuran	7.22	42	321839	103.37	ug/l	99
30) Chloroform	7.37	83	531058	20.69	ug/l	99
31) Cyclohexane	7.66	56	405531	20.30	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	448204	20.56	ug/l	99
36) 1,1-Dichloropropene	7.80	75	365441	19.75	ug/l	99
37) Ethyl Acetate	6.94	43	221288	20.20	ug/l	99
38) Carbon Tetrachloride	7.78	117	389821	20.15	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	371828	19.06	ug/l	97
40) Benzene	8.05	78	1138212	20.56	ug/l	99
41) Methacrylonitrile	7.18	41	114294	18.45	ug/l	93
42) 1,2-Dichloroethane	8.13	62	373648	20.63	ug/l	99
43) Isopropyl Acetate	8.17	43	411789	20.92	ug/l	98
44) Trichloroethene	8.84	130	299956	20.12	ug/l	99
45) 1,2-Dichloropropane	9.12	63	306331	20.59	ug/l	98
46) Dibromomethane	9.21	93	184903	20.93	ug/l	97
47) Bromodichloromethane	9.40	83	396917	20.40	ug/l	96
48) Methyl methacrylate	9.20	41	200843	20.40	ug/l	98
49) 1,4-Dioxane	9.20	88	51318	397.87	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1124272	105.17	ug/l	100
52) Toluene	10.16	92	697061	21.04	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	380094	20.31	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	438775	20.58	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	271003	21.23	ug/l	99
56) Ethyl methacrylate	10.43	69	309825	20.72	ug/l	97
57) 1,3-Dichloropropane	10.71	76	438964	20.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	655357	91.37	ug/l	99
59) 2-Hexanone	10.75	43	740765	104.24	ug/l	99
60) Dibromochloromethane	10.90	129	298751	20.58	ug/l	100
61) 1,2-Dibromoethane	11.01	107	246039	20.41	ug/l	99
64) Tetrachloroethene	10.63	164	262335	20.00	ug/l	99
65) Chlorobenzene	11.44	112	761672	20.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	298719	21.10	ug/l	99
67) Ethyl Benzene	11.51	91	1269925	20.61	ug/l	100
68) m/p-Xylenes	11.62	106	978856	42.33	ug/l	99
69) o-Xylene	11.95	106	473877	21.21	ug/l	97
70) Styrene	11.97	104	763569	21.52	ug/l	100
71) Bromoform	12.13	173	199788	20.89	ug/l #	98
73) Isopropylbenzene	12.25	105	1263653	20.81	ug/l	100
74) N-amyl acetate	12.07	43	318910	20.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	322886	21.98	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	266650m	20.55	ug/l	
77) Bromobenzene	12.53	156	329819	20.48	ug/l	98
78) n-propylbenzene	12.59	91	1444057	21.10	ug/l	99
79) 2-Chlorotoluene	12.68	91	882034	21.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1033408	21.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	78209	19.46	ug/l	97
82) 4-Chlorotoluene	12.77	91	866232	20.85	ug/l	100
83) tert-Butylbenzene	12.99	119	902766	20.91	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1065111	22.01	ug/l	100
85) sec-Butylbenzene	13.17	105	1209927	21.39	ug/l	100
86) p-Isopropyltoluene	13.29	119	1031953	21.56	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	571164	20.45	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	544870	20.07	ug/l	99
89) n-Butylbenzene	13.62	91	808861	20.47	ug/l	99
90) Hexachloroethane	13.88	117	204374	21.58	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	565663	20.76	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45463	20.90	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	260269	19.27	ug/l	100
94) Hexachlorobutadiene	15.01	225	185509	21.63	ug/l	99
95) Naphthalene	15.14	128	503445	18.36	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	265985	20.12	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

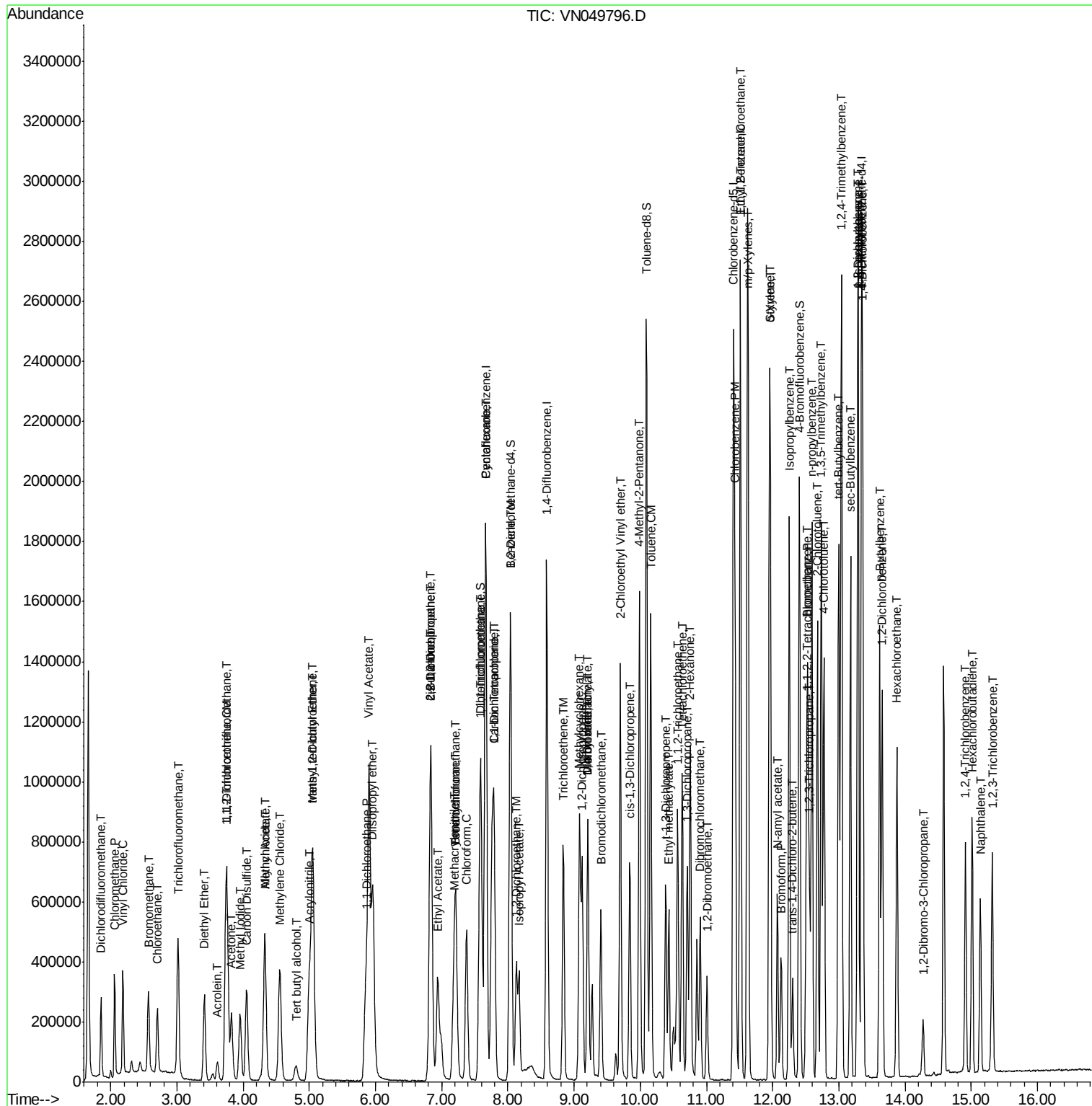
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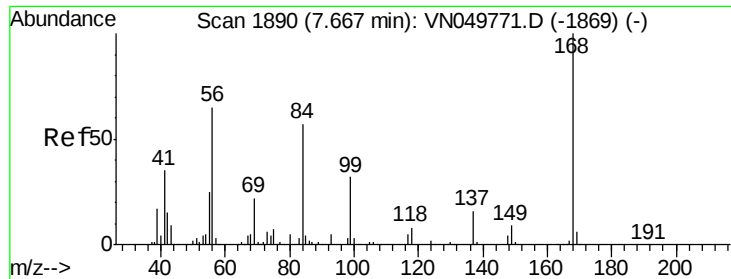
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049796.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion:168 Resp: 1093780

Ion Ratio Lower Upper

168 100

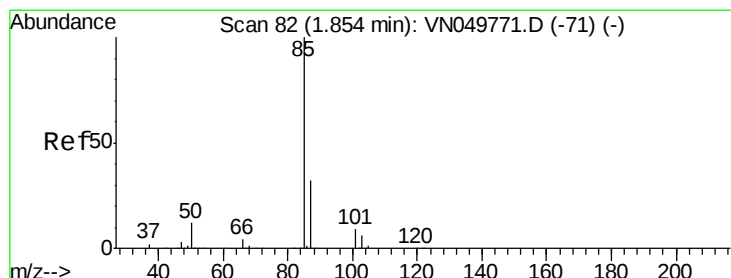
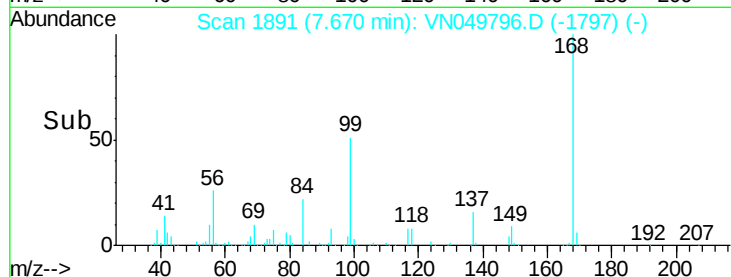
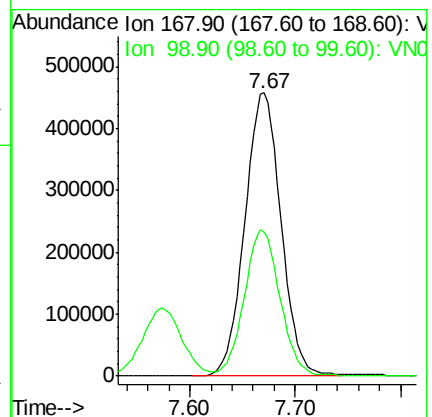
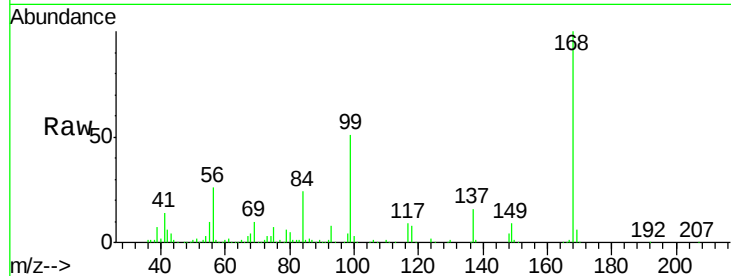
99 50.7 40.6 61.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.43 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049796.D

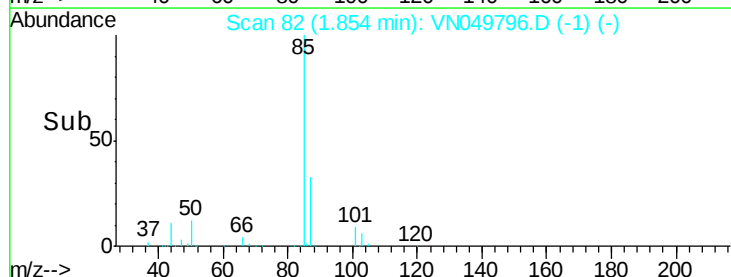
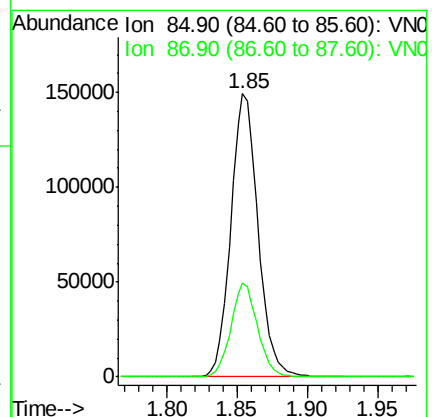
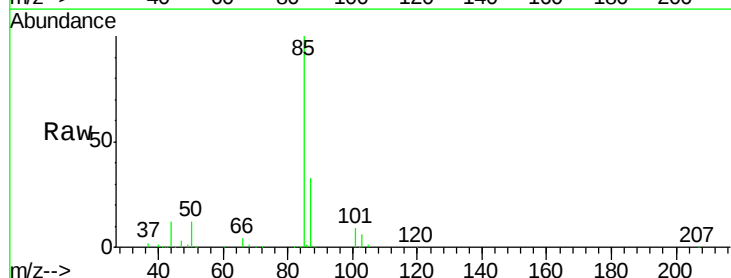
Acq: 13 Jul 2018 14:49

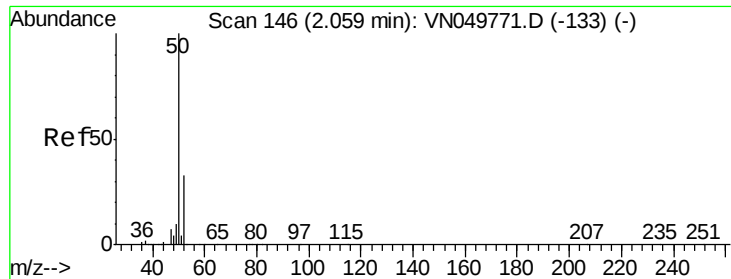
Tgt Ion: 85 Resp: 200907

Ion Ratio Lower Upper

85 100

87 33.1 15.4 46.1





#3

Chloromethane

Concen: 20.31 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 50 Resp: 263177

Ion Ratio Lower Upper

50 100

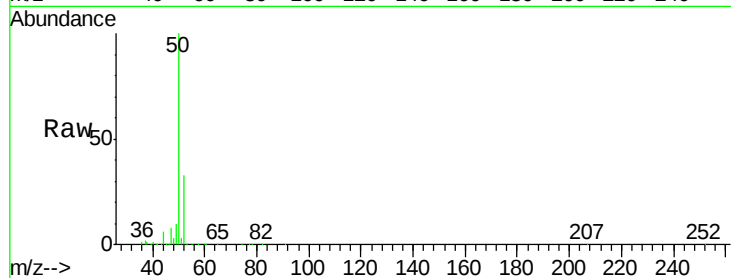
52 32.6 26.1 39.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

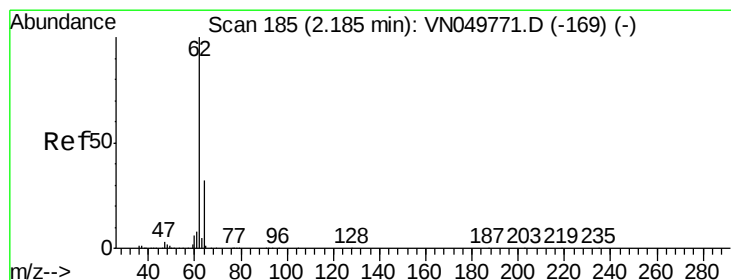
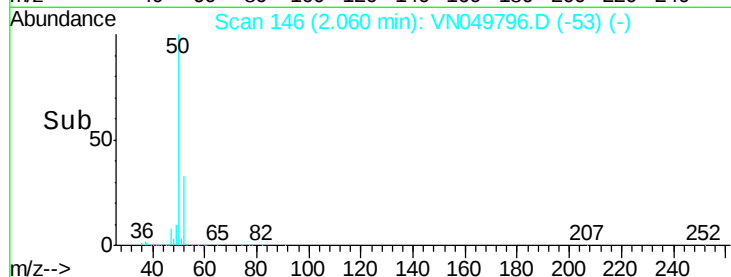
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 21.29 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049796.D

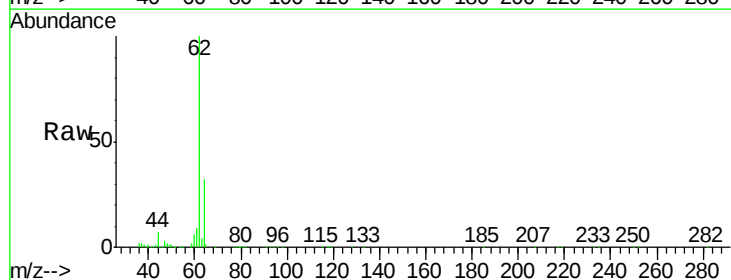
Acq: 13 Jul 2018 14:49

Tgt Ion: 62 Resp: 300471

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

200000

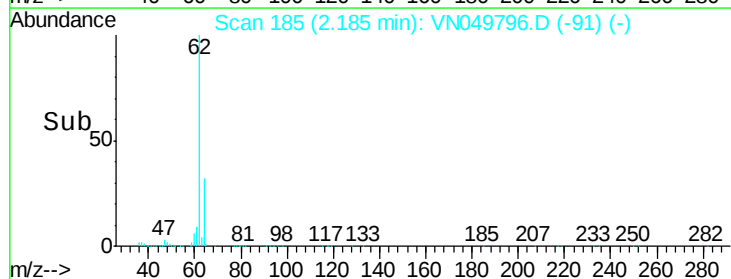
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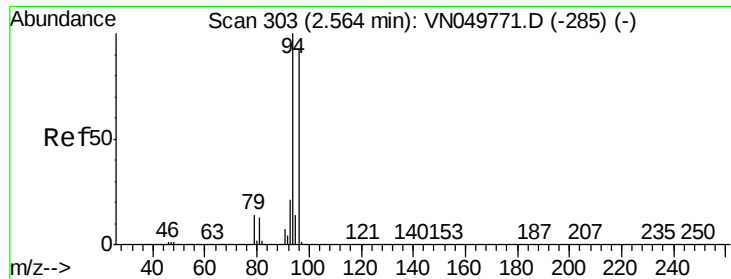
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50000

0

Time-->





#5

Bromomethane

Concen: 20.98 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tot Ion: 94 Resp: 186507

Ion Ratio Lower Upper

94 100

96 93.2 75.7 113.5

Instrument :

MSVOA_N

ClientSampleId :

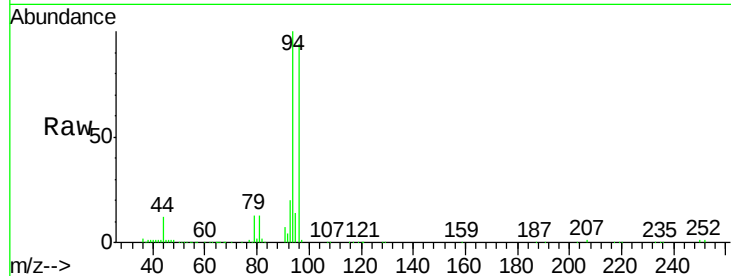
VN0713WBS01

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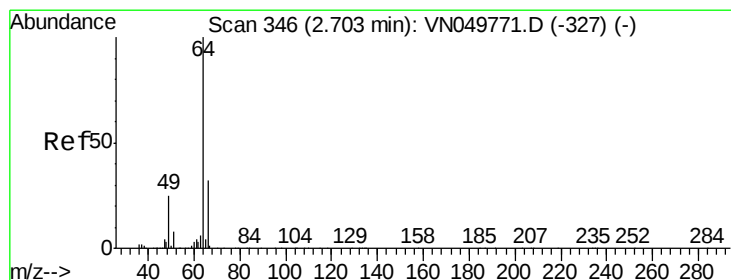
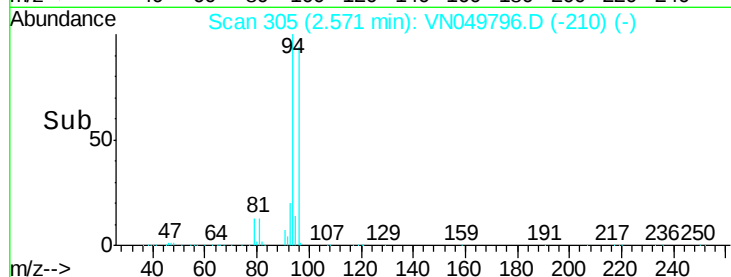
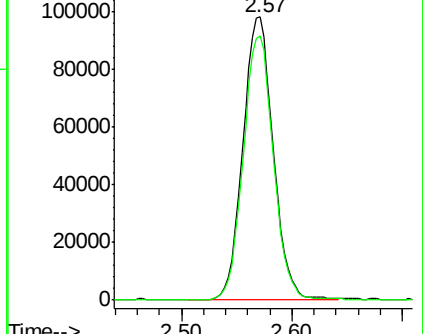
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.33 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049796.D

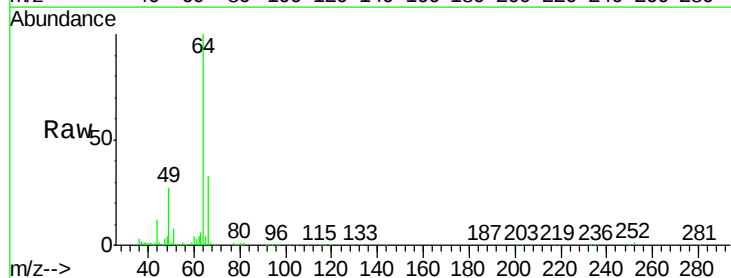
Acq: 13 Jul 2018 14:49

Tgt Ion: 64 Resp: 197741

Ion Ratio Lower Upper

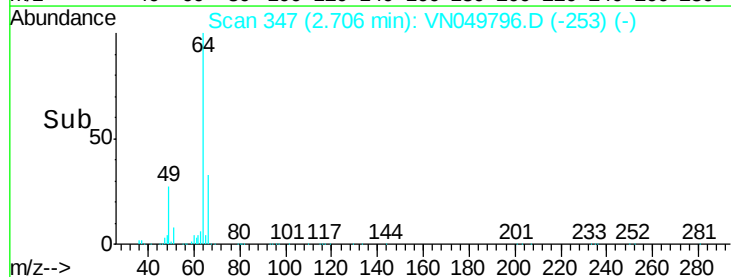
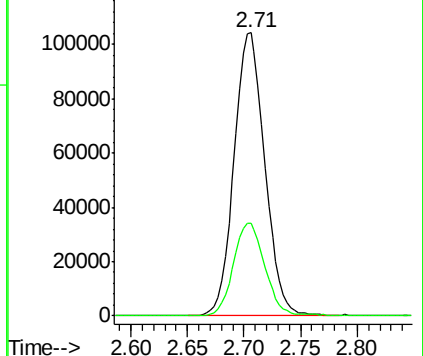
64 100

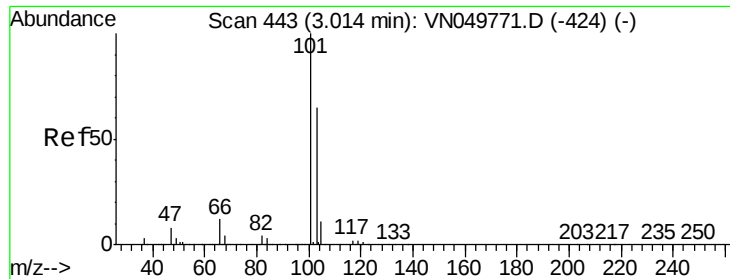
66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 20.72 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion:101 Resp: 429706

Ion Ratio Lower Upper

101 100

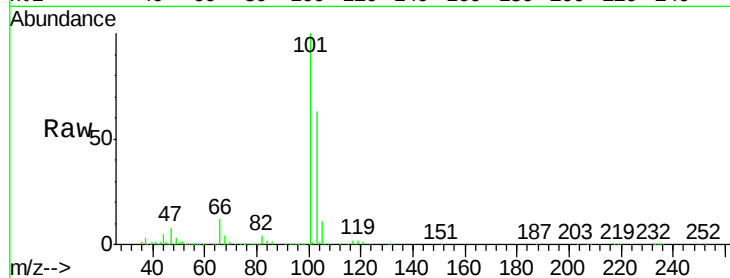
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Manual Integrations

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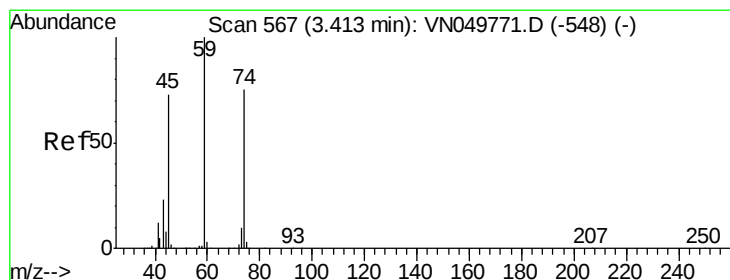
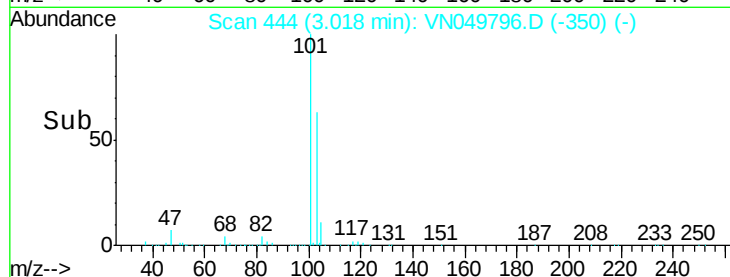
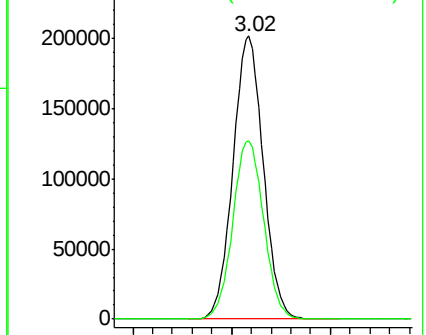
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.83 ug/l

RT: 3.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN049796.D

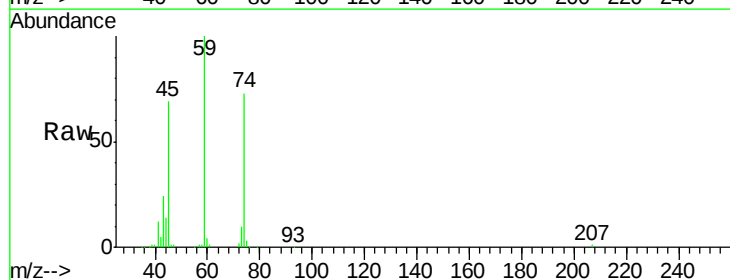
Acq: 13 Jul 2018 14:49

Tgt Ion: 74 Resp: 147348

Ion Ratio Lower Upper

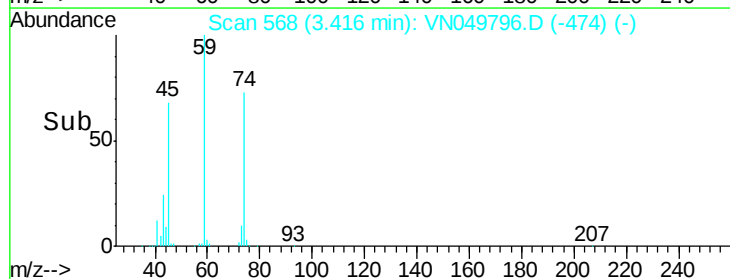
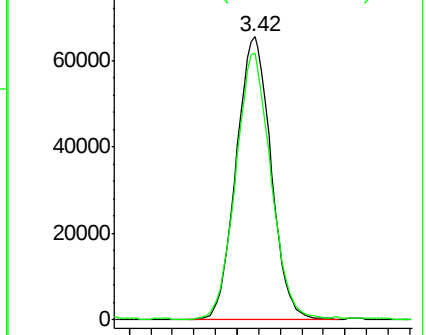
74 100

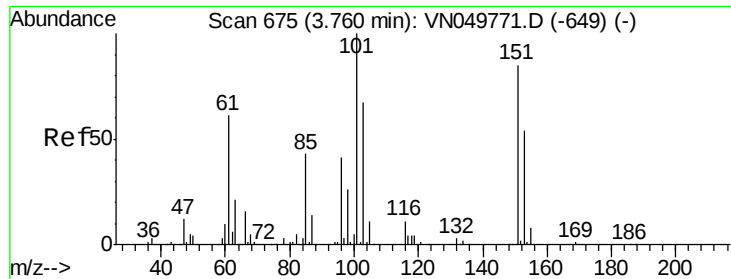
45 94.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.26 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

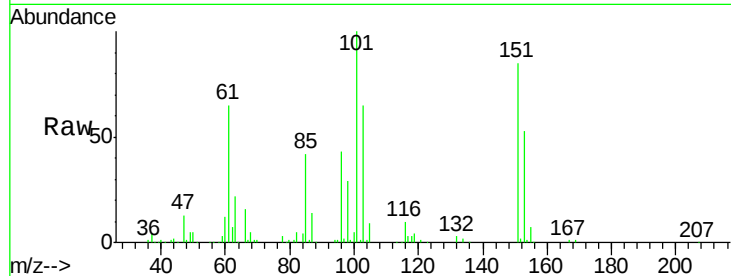
ClientSampled :

VN0713WBS01

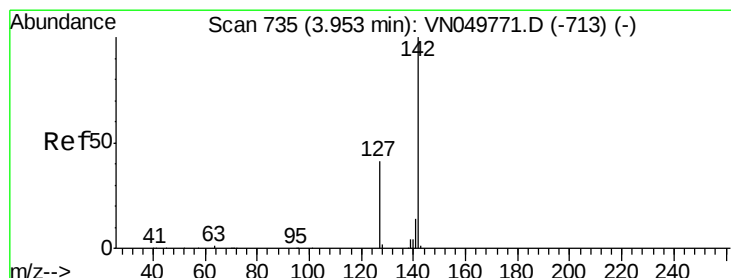
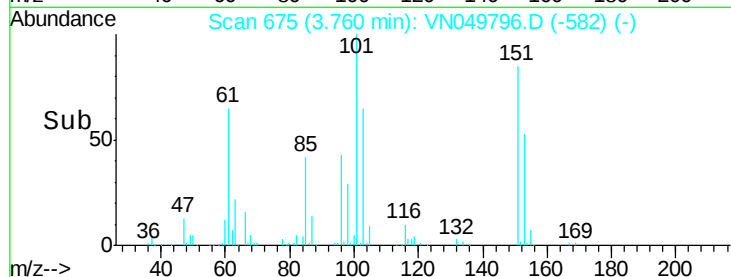
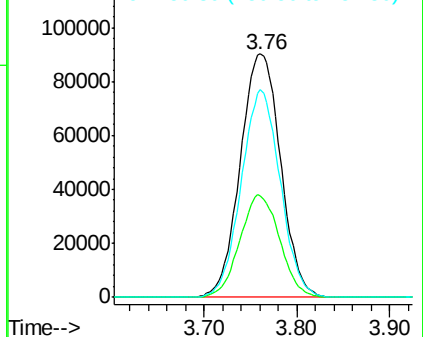
Tot Ion:	101	Resp:	272732
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.4	51.6
151	82.6	66.2	99.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.80 ug/l

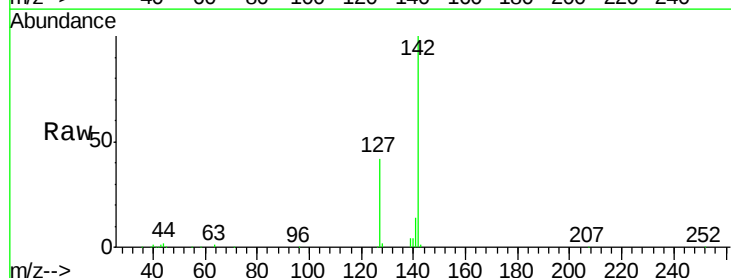
RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

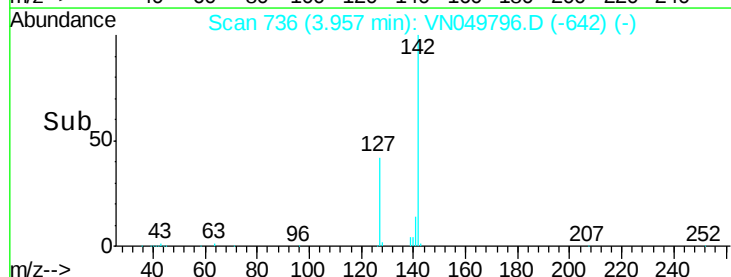
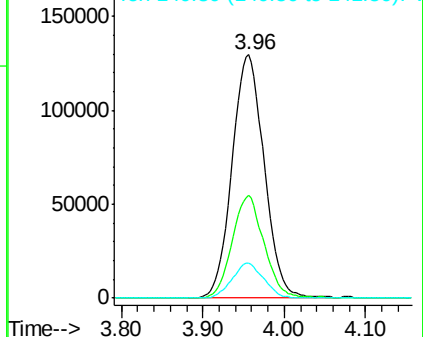
Lab File: VN049796.D

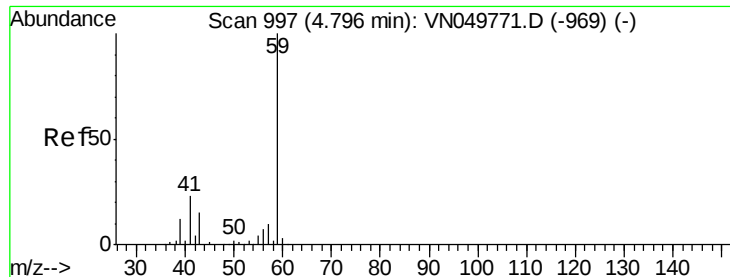
Acq: 13 Jul 2018 14:49

Tgt Ion:	142	Resp:	355880
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.5	48.7
141	14.2	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

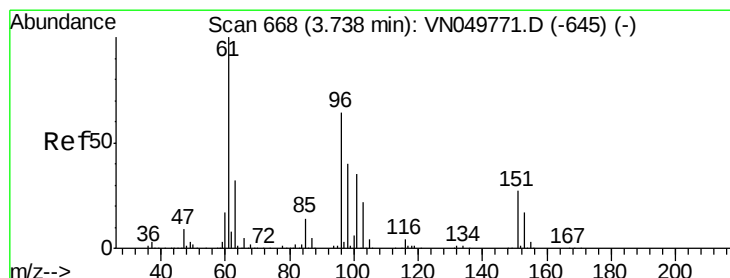
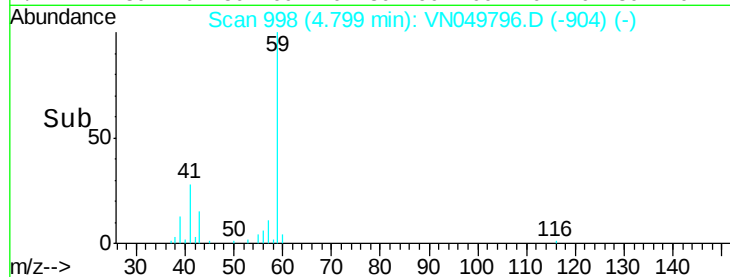
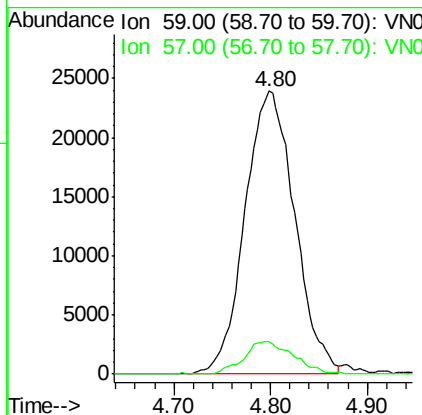
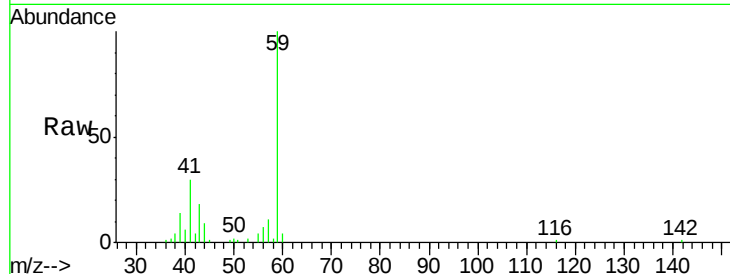
Tert butyl alcohol
 Concen: 100.39 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0713WBS01

Tot Ion	59	Resp	85491
Ion Ratio	100	Lower	Upper
57	11.4	8.5	12.7

Manual Integrations
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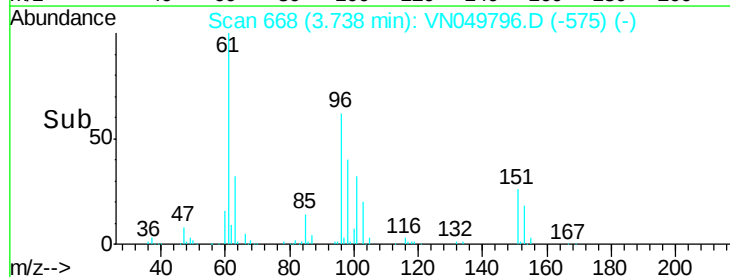
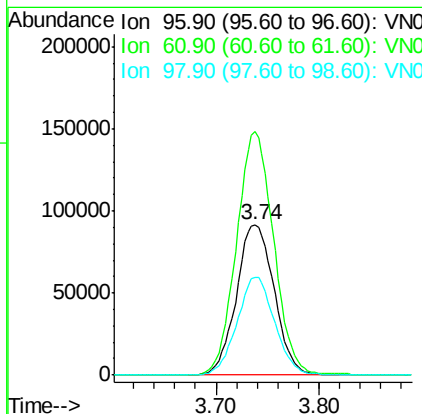
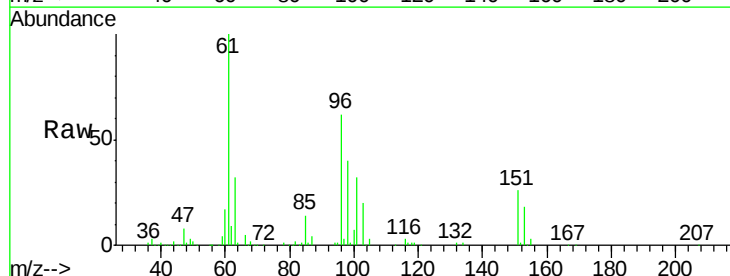
MMDadoda
 7/16/2018 11:02:47 AM

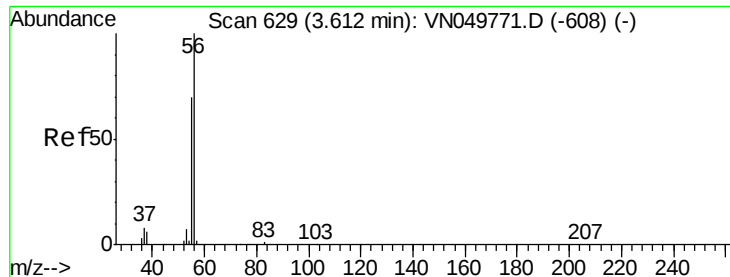


#12

1,1-Dichloroethene
 Concen: 19.74 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	96	Resp	233481
Ion Ratio	100	Lower	Upper
61	161.8	126.5	189.7
98	65.3	51.0	76.6





#13

Acrolein

Concen: 94.89 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 56 Resp: 70975

Ion Ratio Lower Upper

56 100

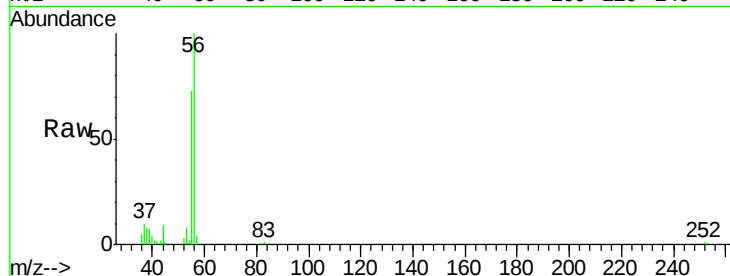
55 71.4 55.8 83.8

Manual Integrations

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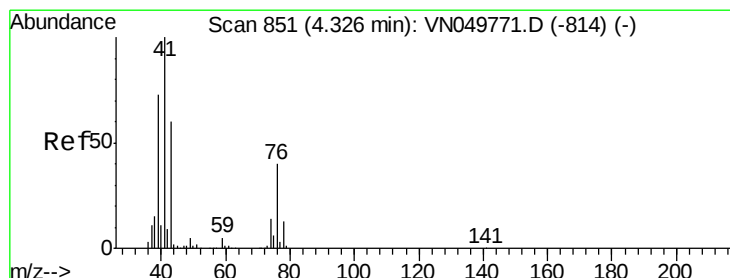
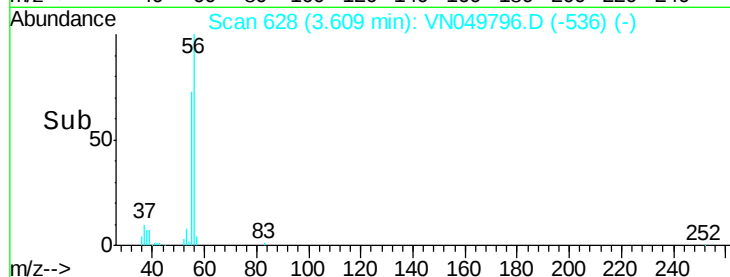
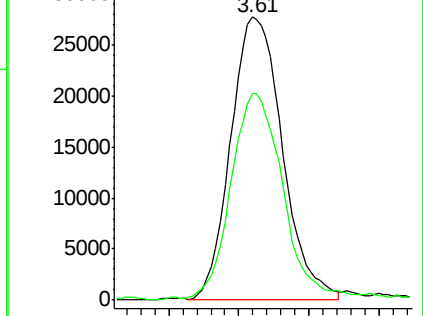
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.55 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

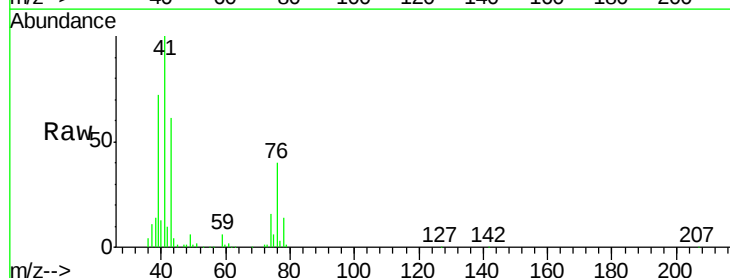
Tgt Ion: 41 Resp: 377280

Ion Ratio Lower Upper

41 100

39 70.0 53.2 79.8

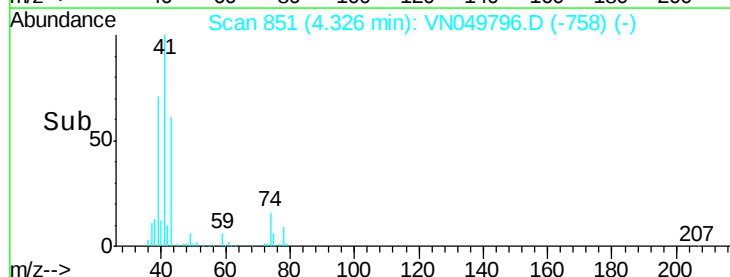
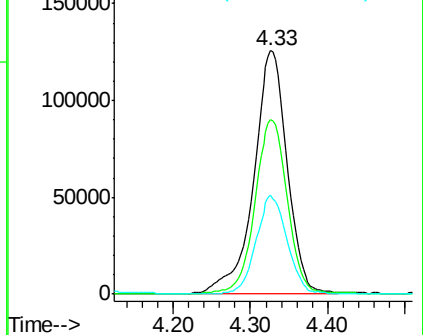
76 37.4 29.0 43.6

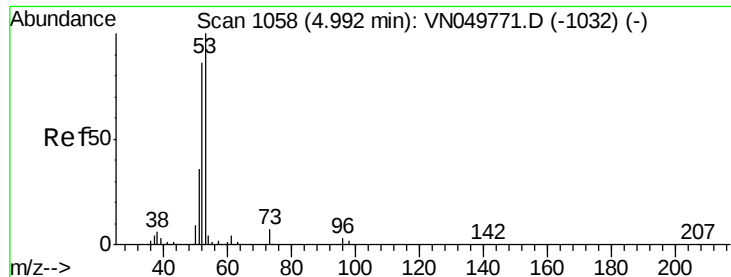


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





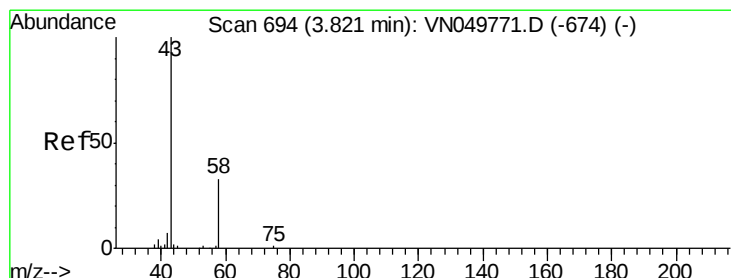
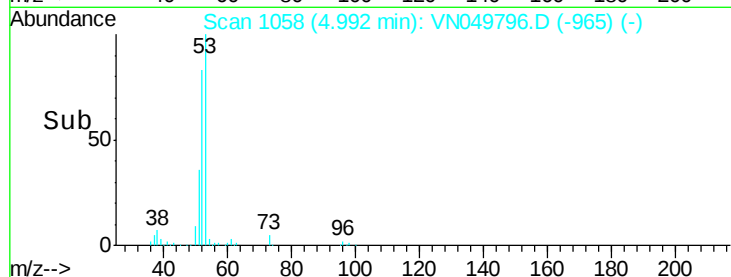
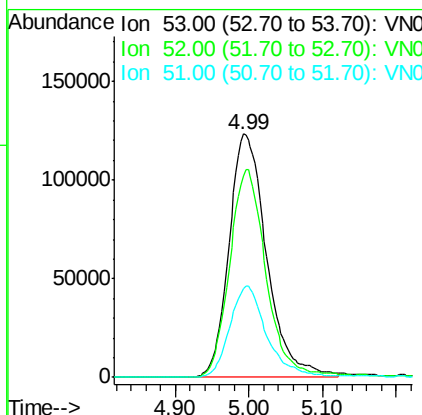
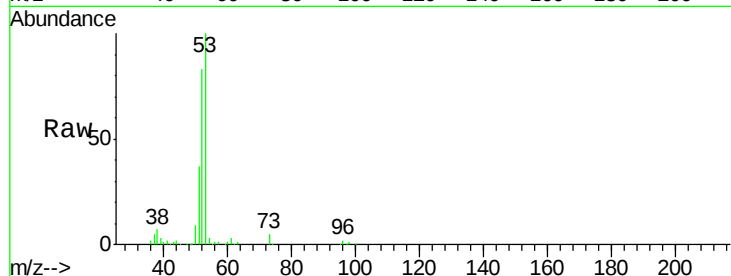
#15
 Acrylonitrile
 Concen: 102.87 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	64.8	97.2
51	36.8	28.9	43.3

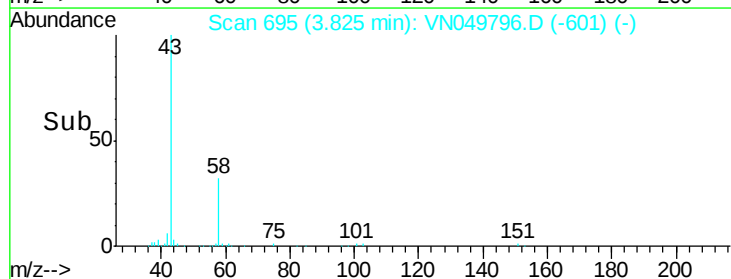
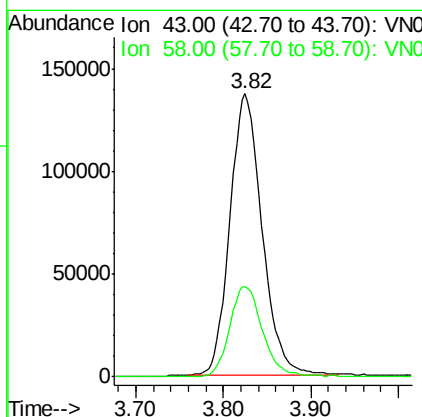
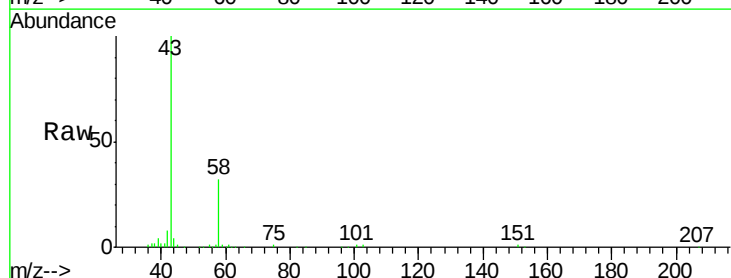
Manual Integrations
 APPROVED

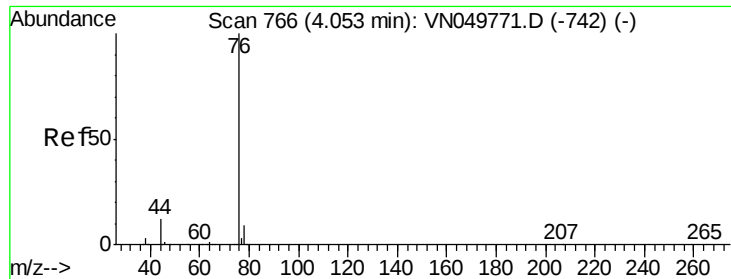
MMDadoda
 7/16/2018 11:02:47 AM



#16
 Acetone
 Concen: 110.25 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.9	38.9





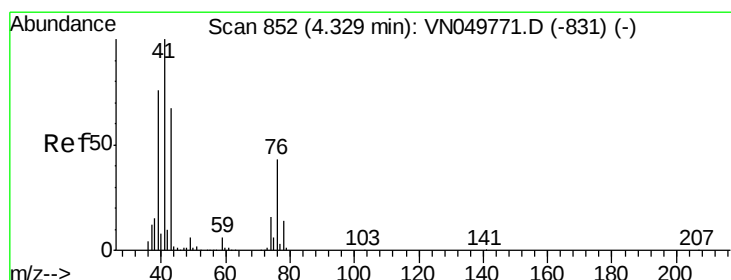
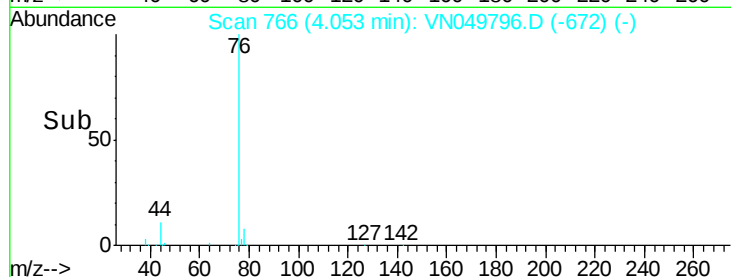
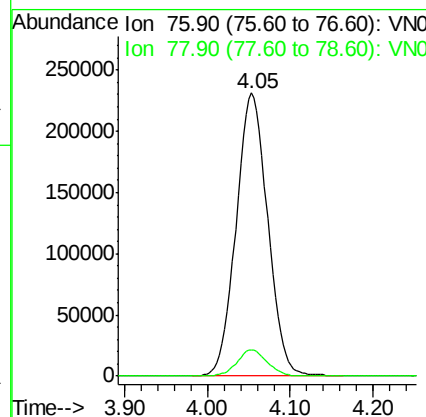
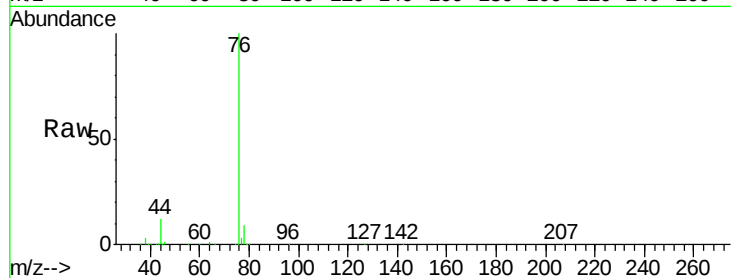
#17
Carbon Disulfide
Concen: 19.99 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

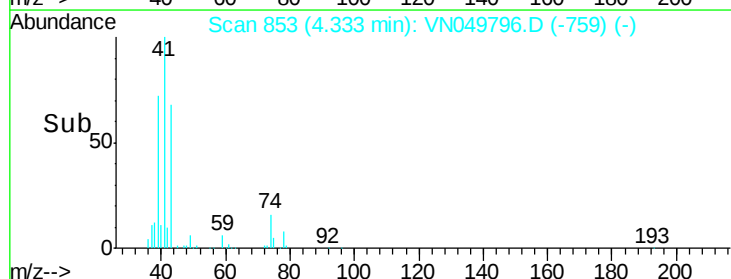
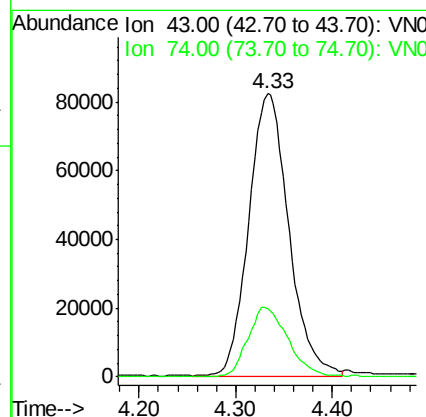
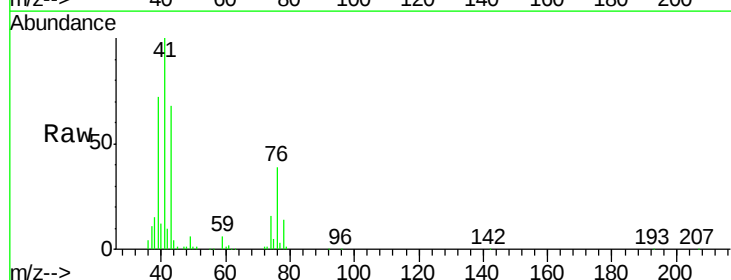
Manual Integrations
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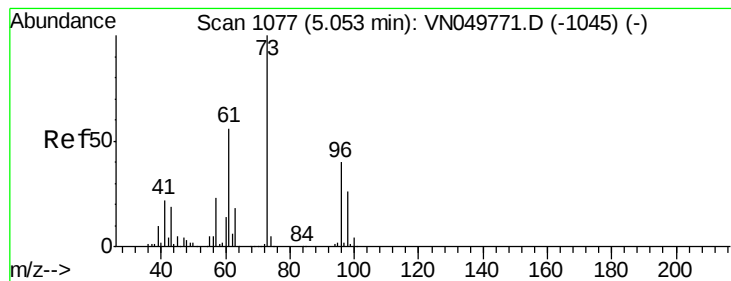
MMDadoda
7/16/2018 11:02:47 AM



#18
Methyl Acetate
Concen: 21.72 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





#19

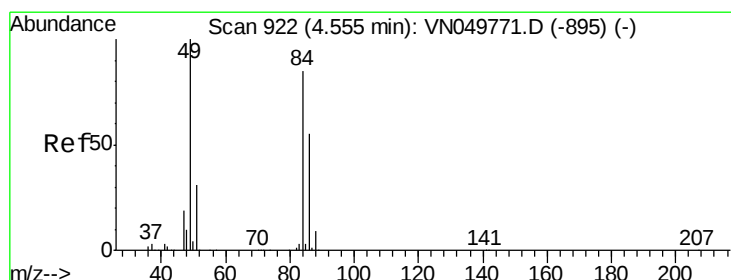
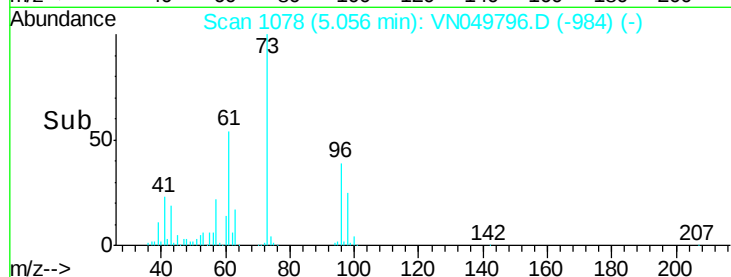
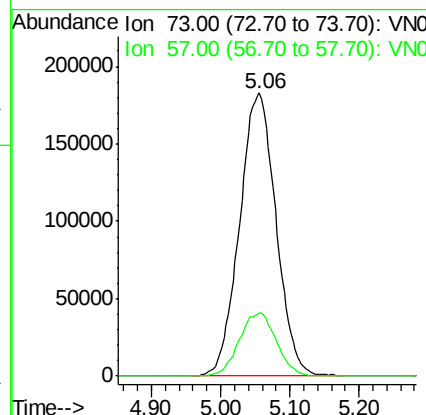
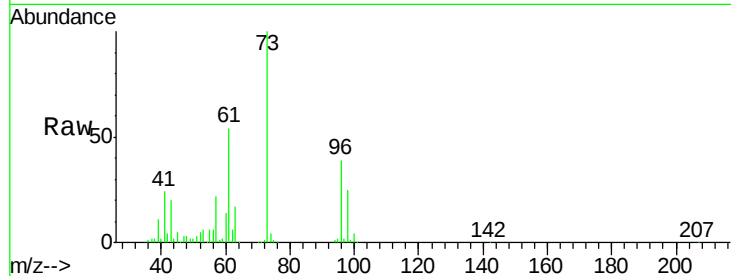
Methyl tert-butyl Ether
 Concen: 20.44 ug/l
 RT: 5.06 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0713WBS01

Tot Ion: 73 Resp: 670572
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.1 27.1

Manual Integrations
 APPROVED

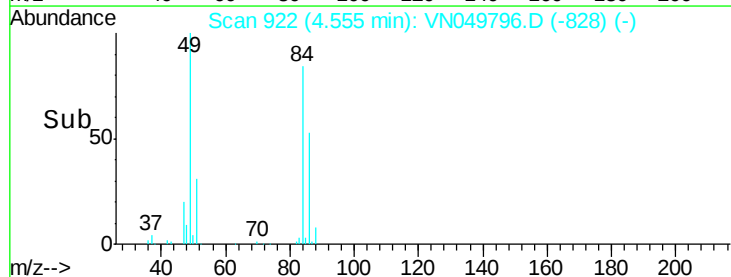
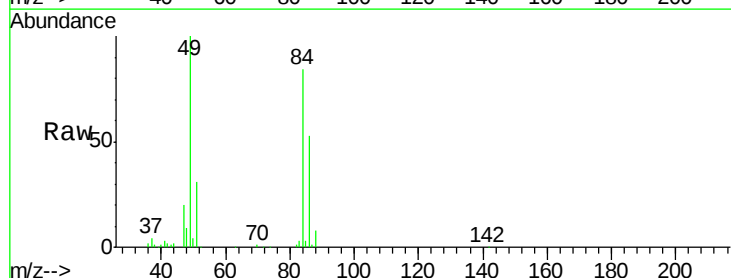
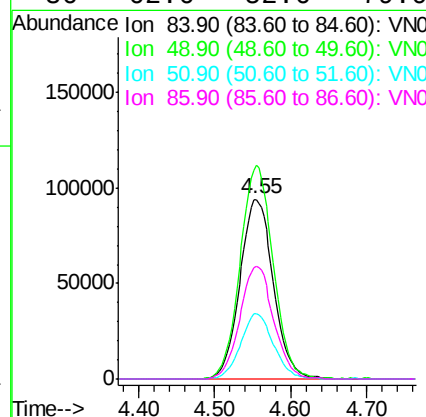
MMDadoda
 7/16/2018 11:02:47 AM

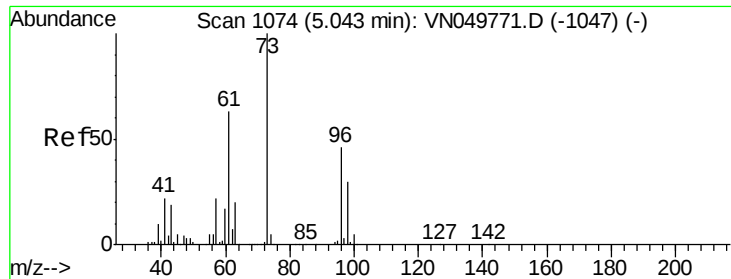


#20

Methylene Chloride
 Concen: 21.47 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion: 84 Resp: 287033
 Ion Ratio Lower Upper
 84 100
 49 118.8 95.4 143.2
 51 36.6 28.4 42.6
 86 62.6 52.6 79.0





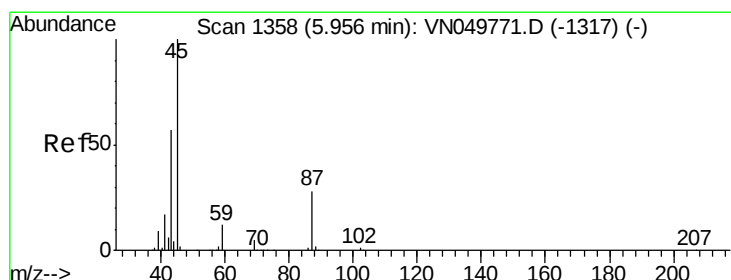
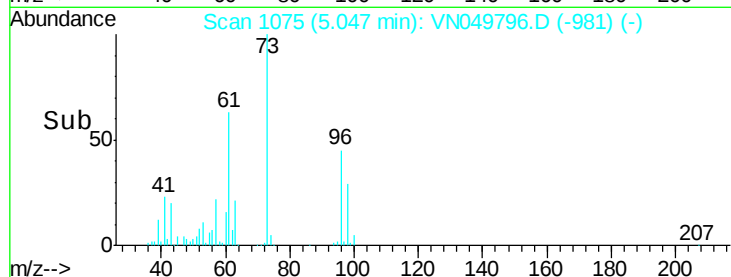
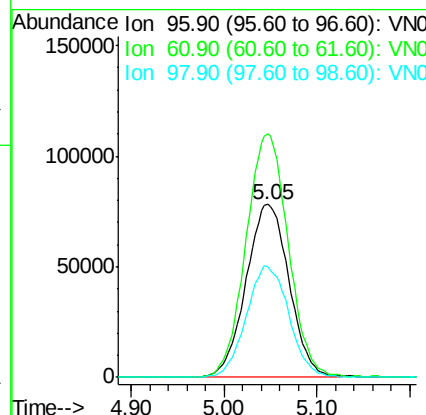
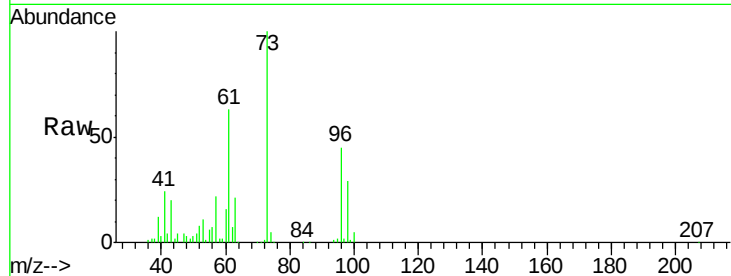
#21
trans-1,2-Dichloroethene
Concen: 19.52 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	109.0	163.6
98	64.2	51.1	76.7

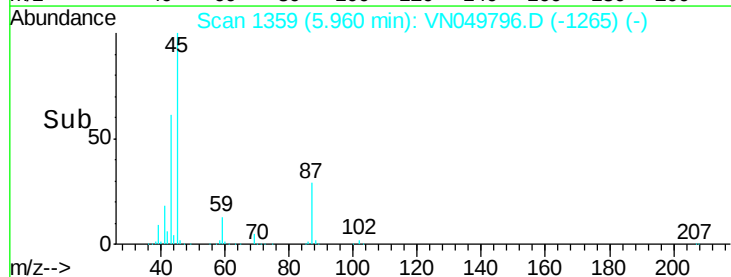
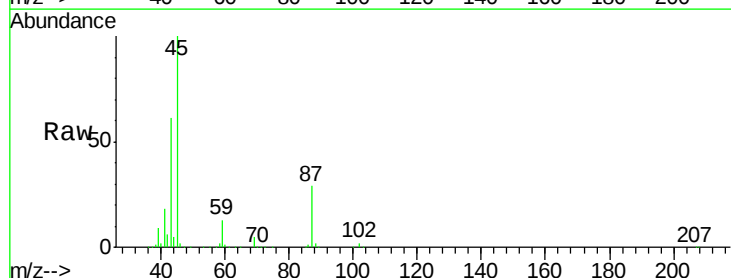
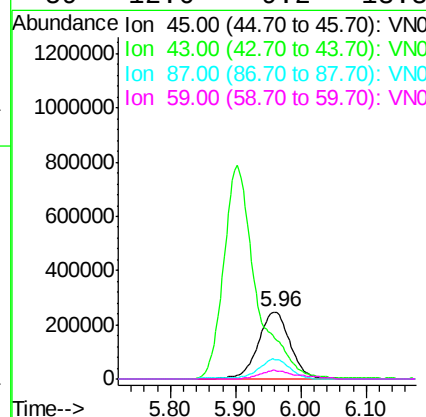
Manual Integrations
APPROVED

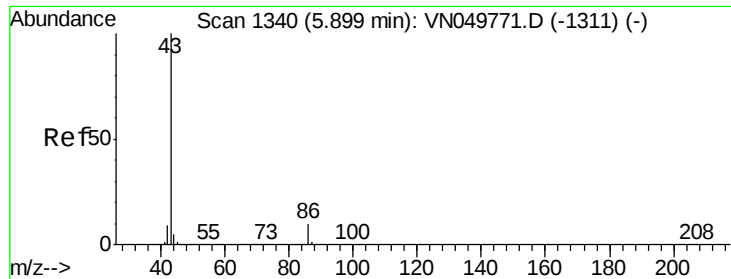
MMDadoda
7/16/2018 11:02:47 AM



#22
Diisopropyl ether
Concen: 21.19 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	48.1	72.1
87	29.1	22.6	34.0
59	12.6	9.2	13.8





#23

Vinyl Acetate

Concen: 102.29 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

Tot Ion: 43 Resp: 2718115

Ion Ratio Lower Upper

43 100

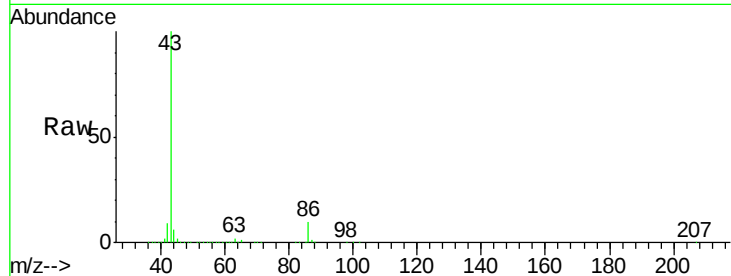
86 10.4 8.4 12.6

Manual Integrations

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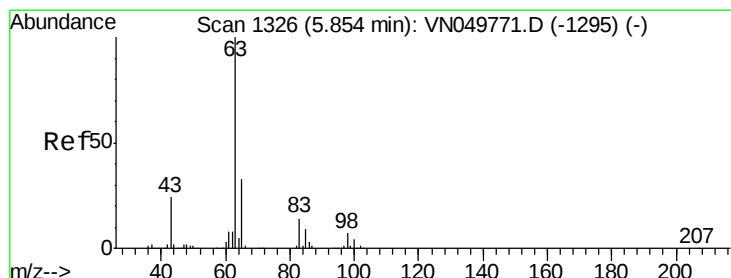
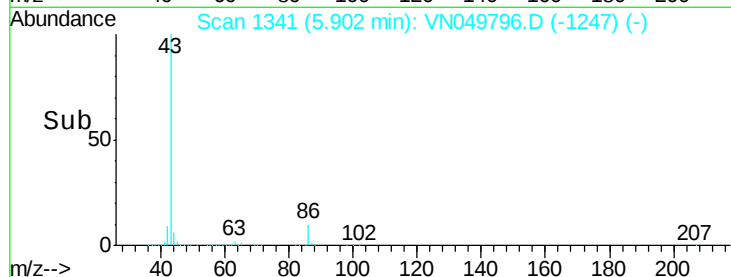
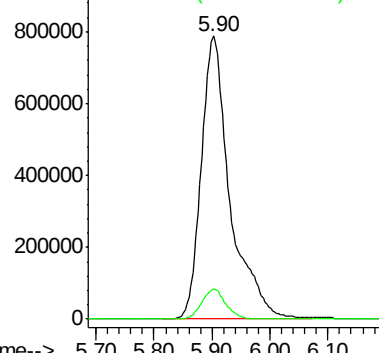
MMDadoda

7/16/2018 11:02:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.85 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

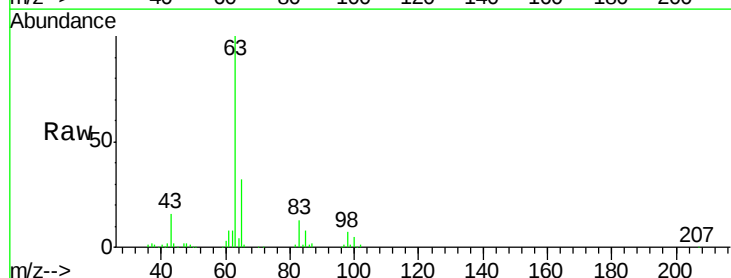
Tgt Ion: 63 Resp: 519440

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

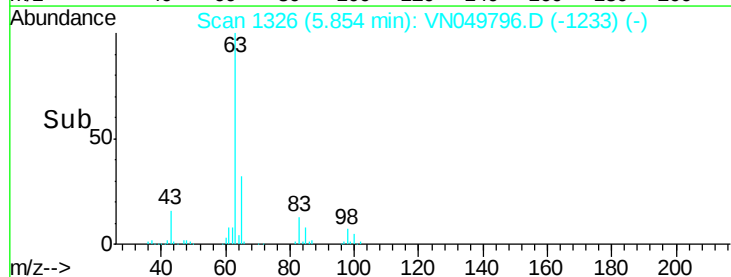
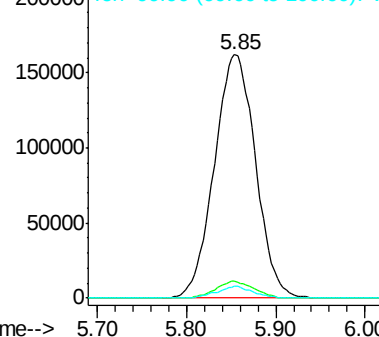
100 4.7 2.2 6.6

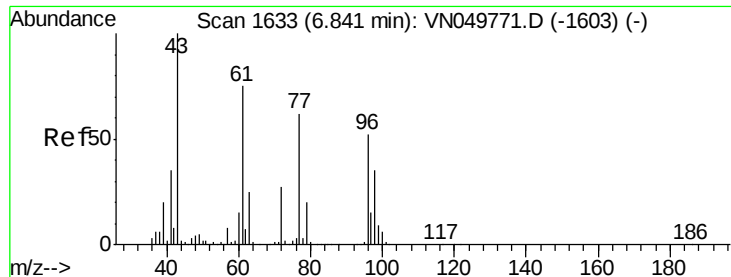


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 103.83 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

Tot Ion: 43 Resp: 514828

Ion Ratio Lower Upper

43 100

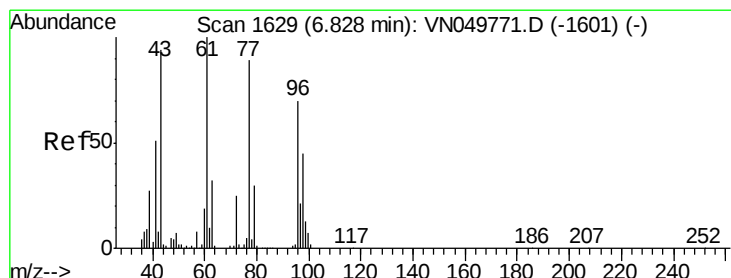
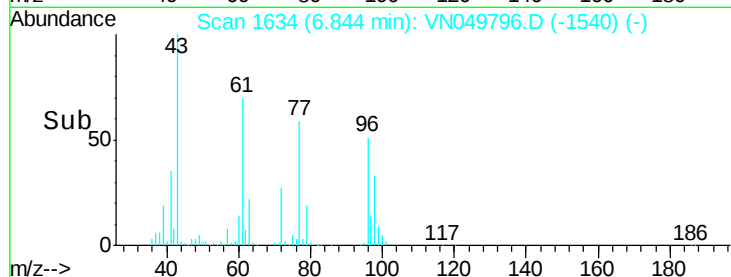
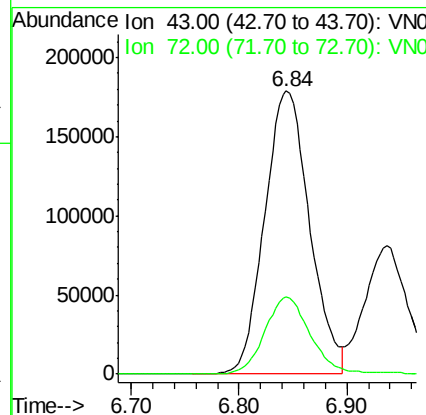
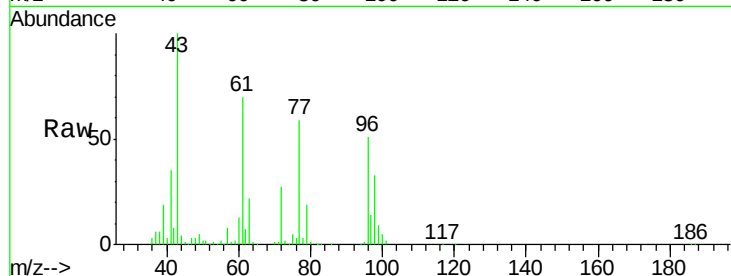
72 27.2 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.84 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049796.D

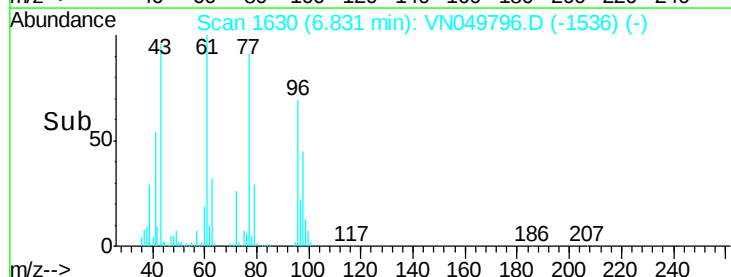
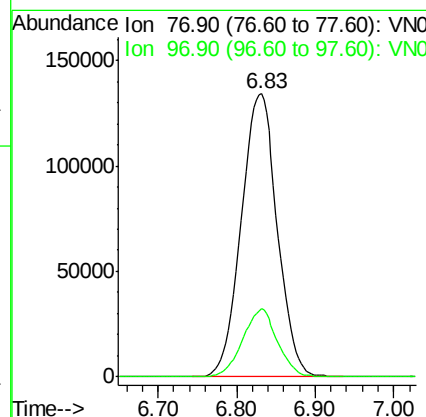
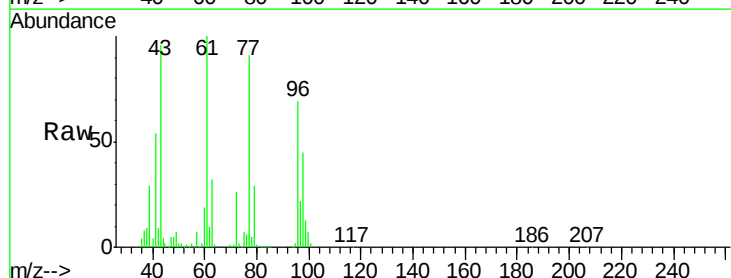
Acq: 13 Jul 2018 14:49

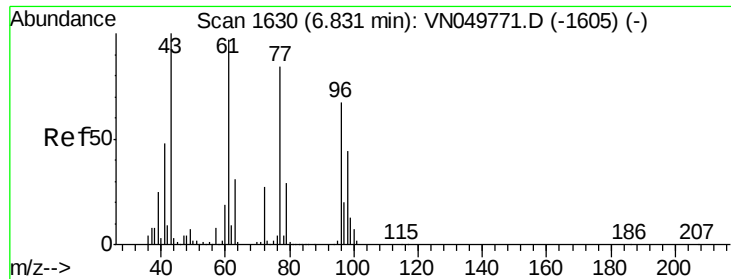
Tgt Ion: 77 Resp: 430929

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5





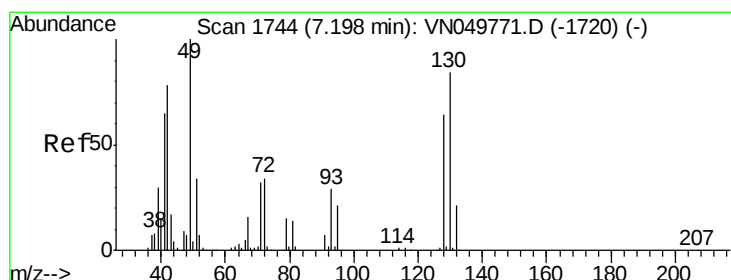
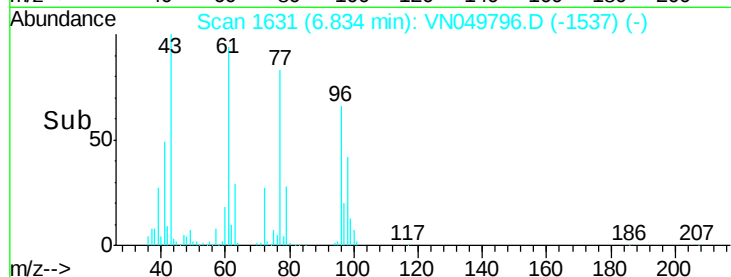
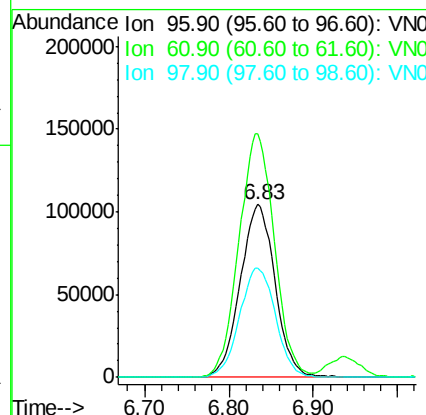
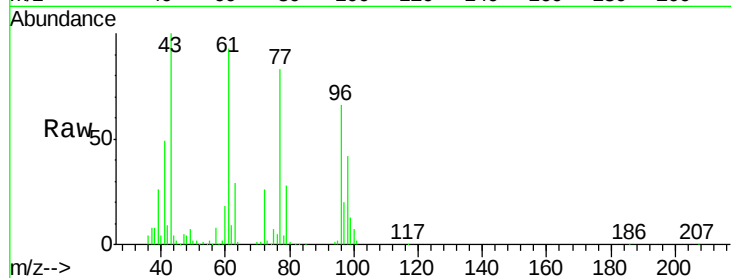
#27
 cis-1,2-Dichloroethene
 Concen: 20.34 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	300675		
61	143.1	0.0	289.0	
98	65.4	0.0	130.2	

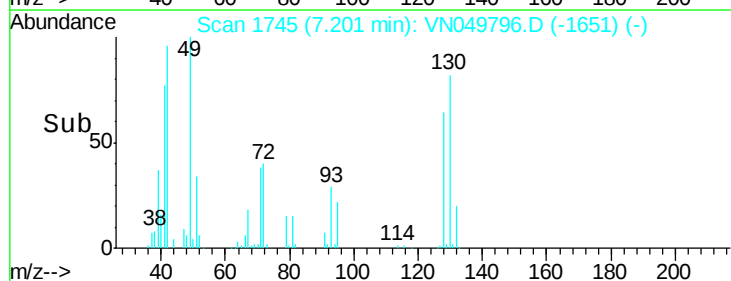
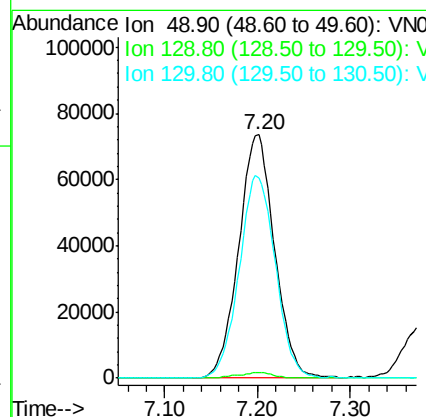
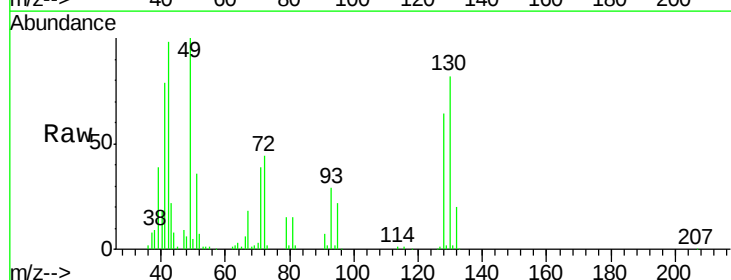
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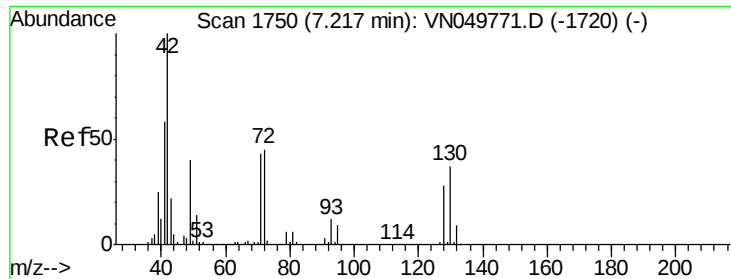
MMDadoda
 7/16/2018 11:02:47 AM



#28
 Bromochloromethane
 Concen: 17.42 ug/l
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	197396		
129	2.2	0.0	4.2	
130	83.9	65.5	98.3	





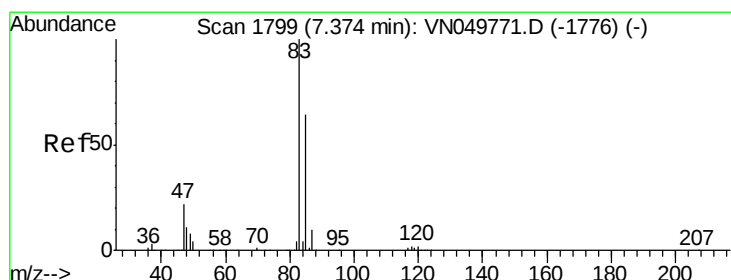
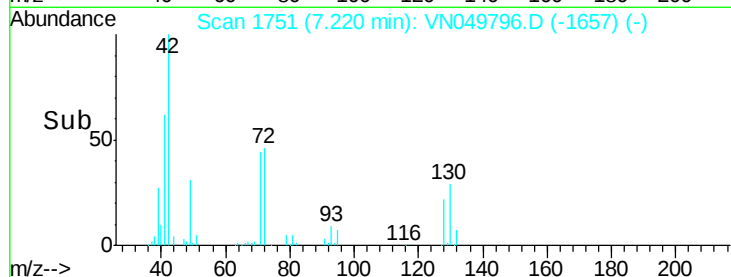
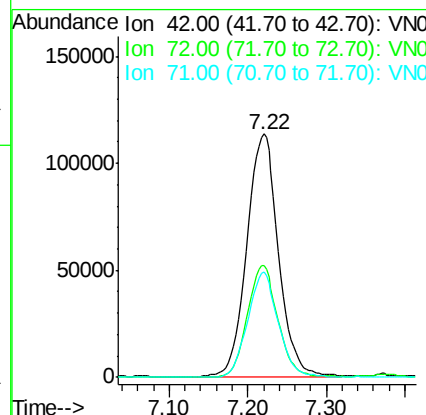
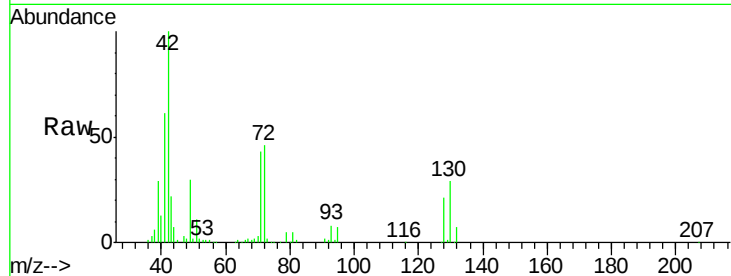
#29
Tetrahydrofuran
Concen: 103.37 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.6	53.4
71	41.9	34.0	51.0

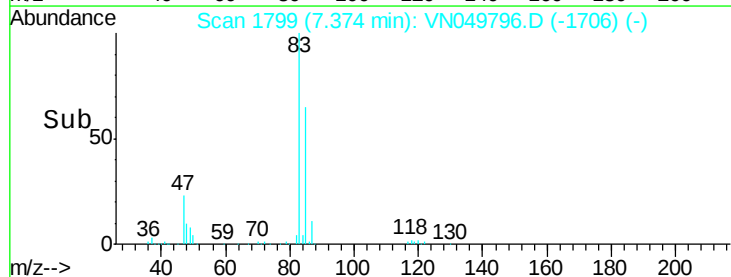
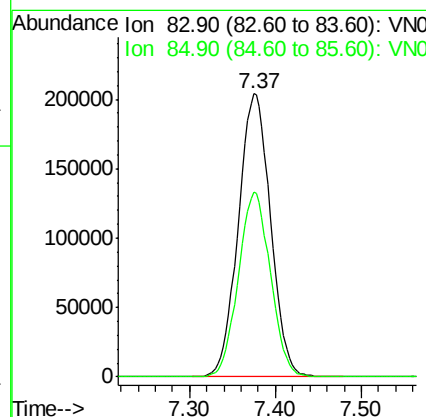
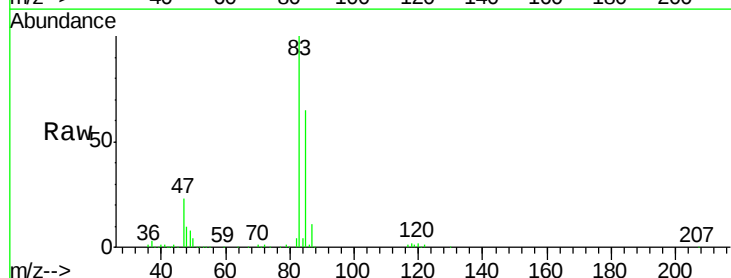
Manual Integrations
APPROVED

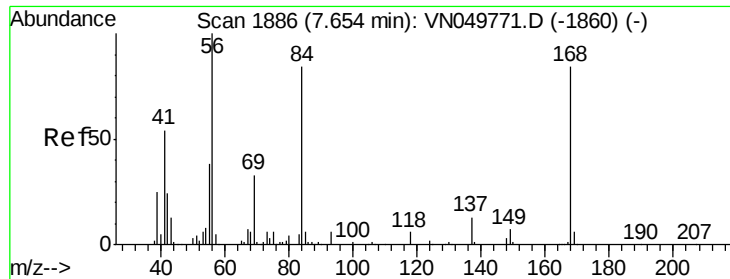
MMDadoda
7/16/2018 11:02:47 AM



#30
Chloroform
Concen: 20.69 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





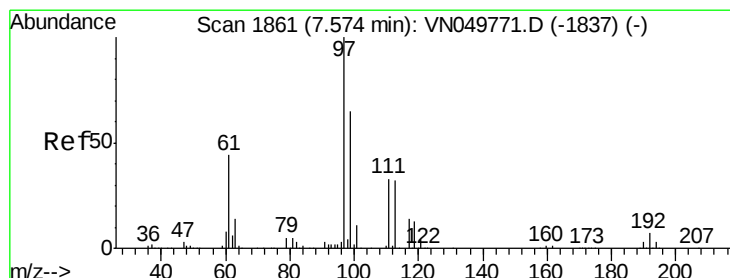
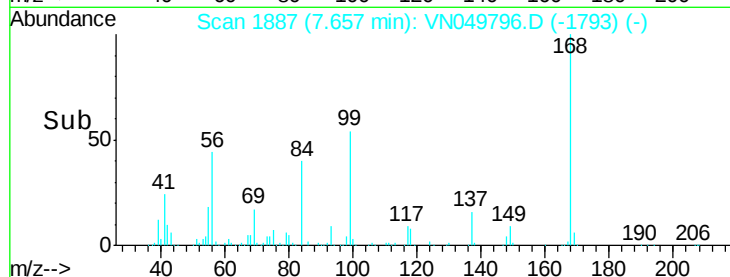
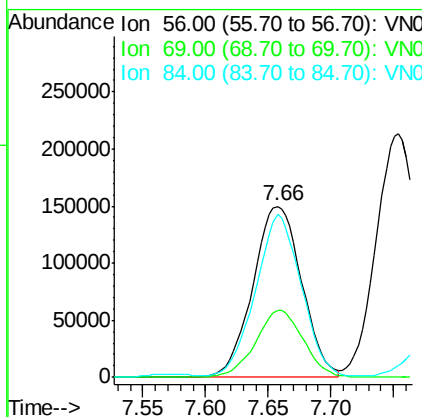
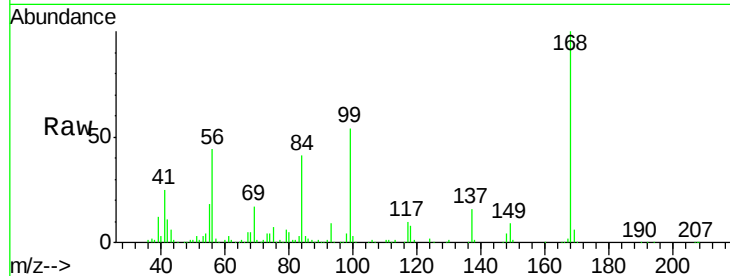
#31
Cyclohexane
Concen: 20.30 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	26.6	40.0
84	93.4	69.0	103.6

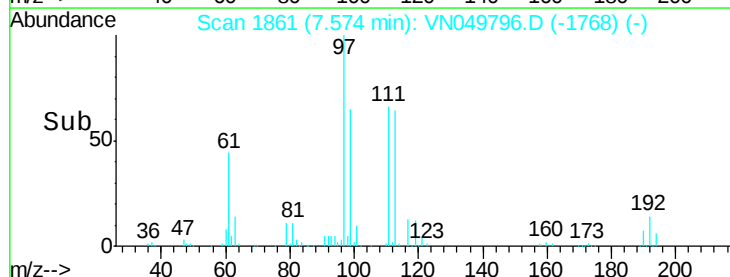
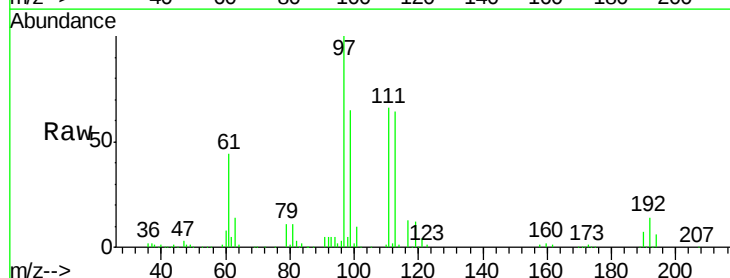
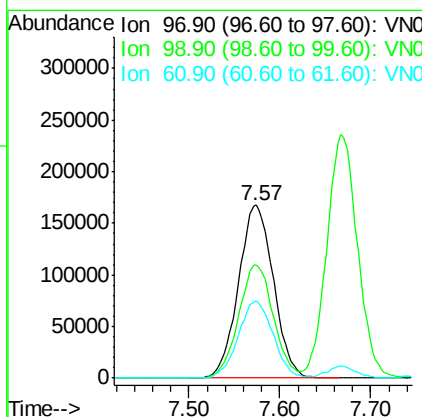
Manual Integrations
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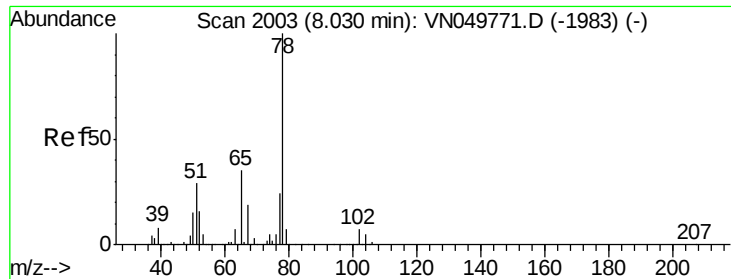
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.56 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	44.3	35.5	53.3





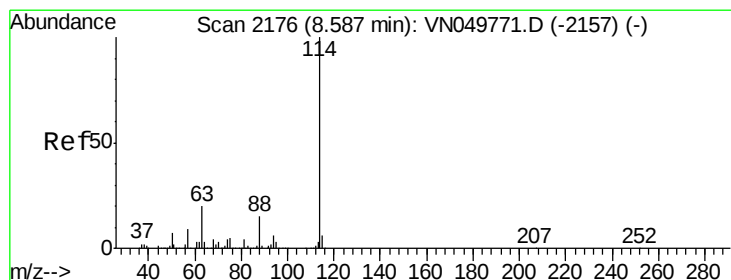
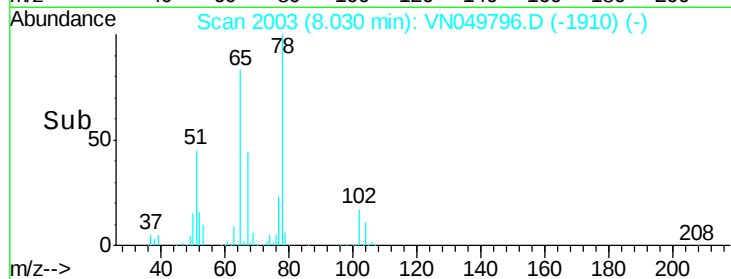
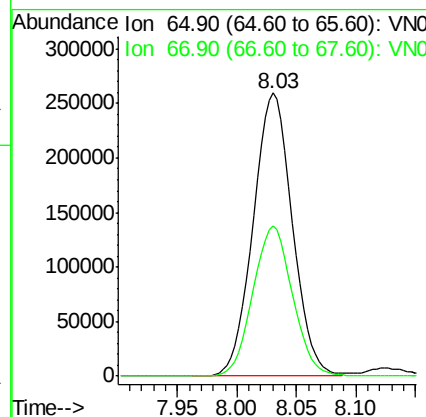
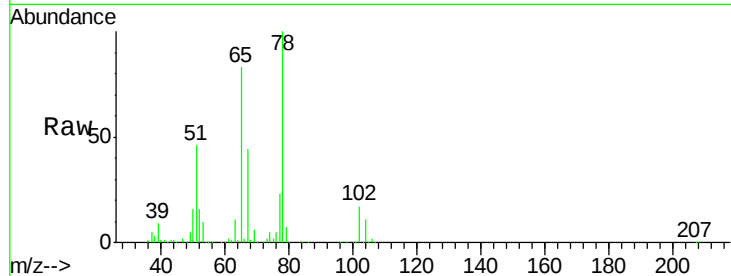
#33
 1,2-Dichloroethane-d4
 Concen: 46.51 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	591821		
67	53.8	0.0	107.2	

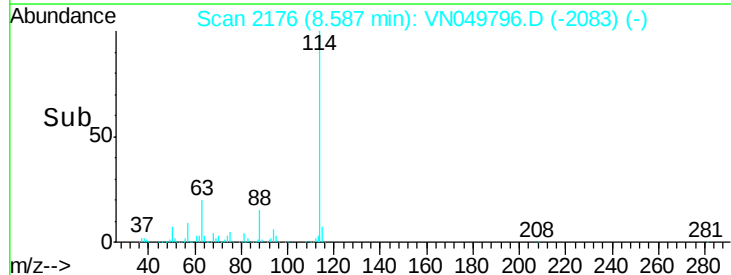
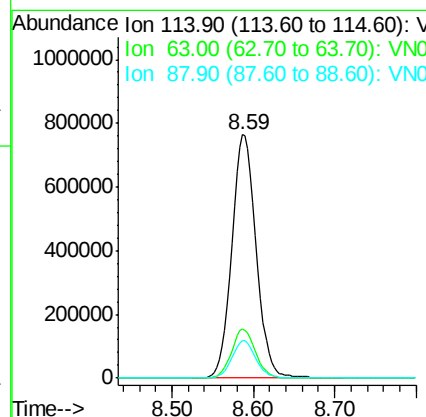
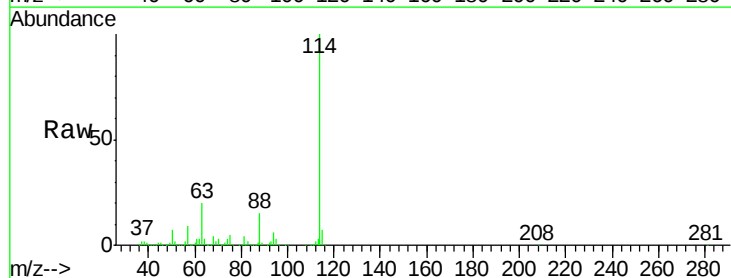
Manual Integrations
 APPROVED

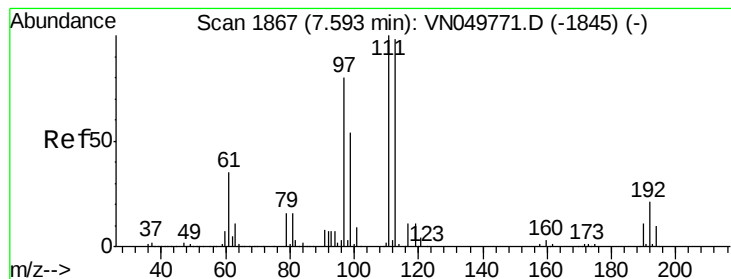
MMDadoda
 7/16/2018 11:02:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1605830		
63	20.3	0.0	39.8	
88	15.3	0.0	30.6	





#35

Dibromofluoromethane

Concen: 46.61 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

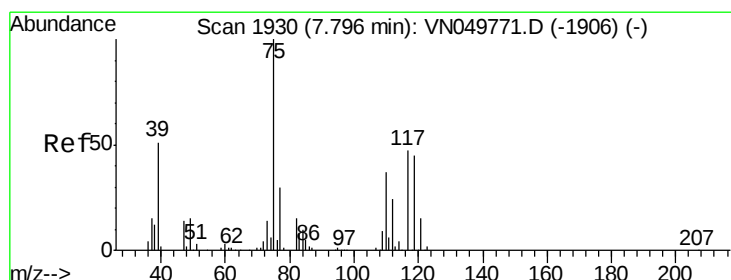
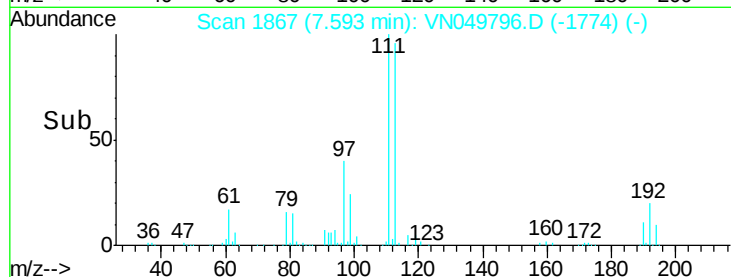
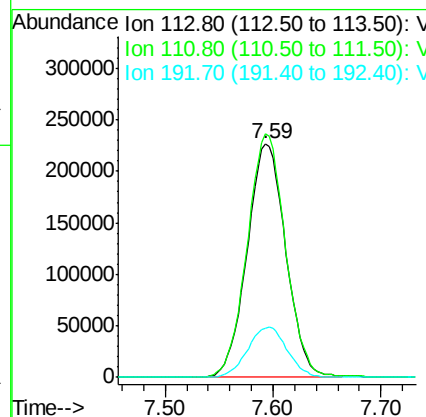
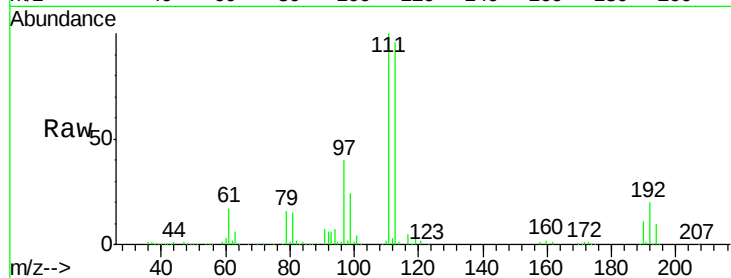
ClientSampled :

VN0713WBS01

Tot Ion:	113	Resp:	564147
Ion Ratio	Lower	Upper	
113	100		
111	103.9	81.8	122.8
192	22.1	17.8	26.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.75 ug/l

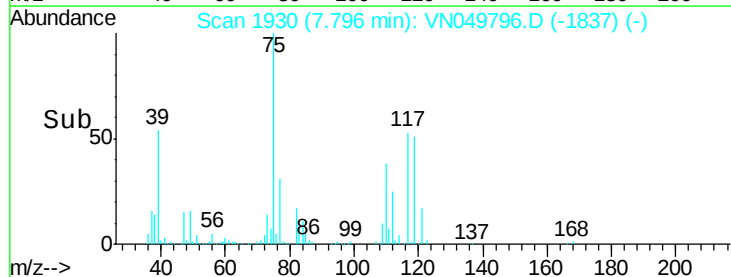
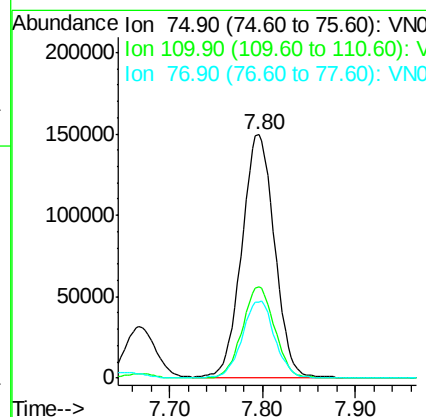
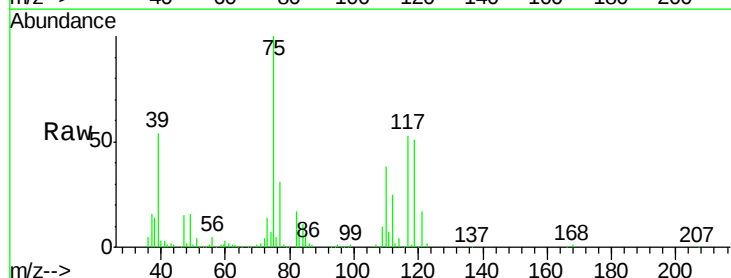
RT: 7.80 min Scan# 1930

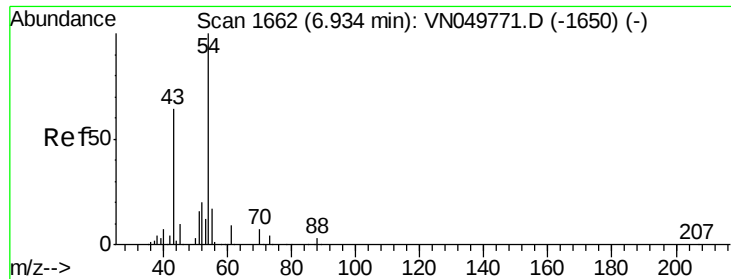
Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	75	Resp:	365441
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.1	54.4
77	31.6	24.9	37.3





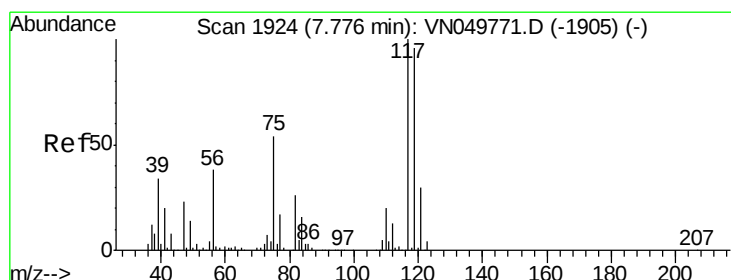
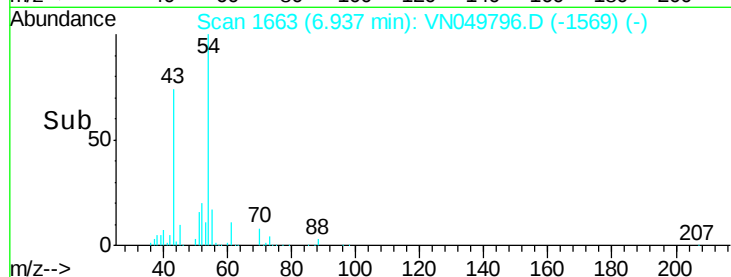
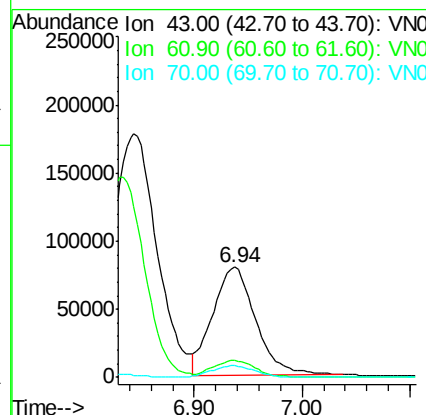
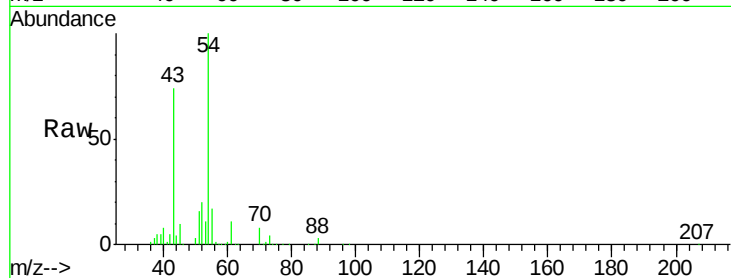
#37
Ethyl Acetate
Concen: 20.20 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.7	17.5
70	10.4	8.4	12.6

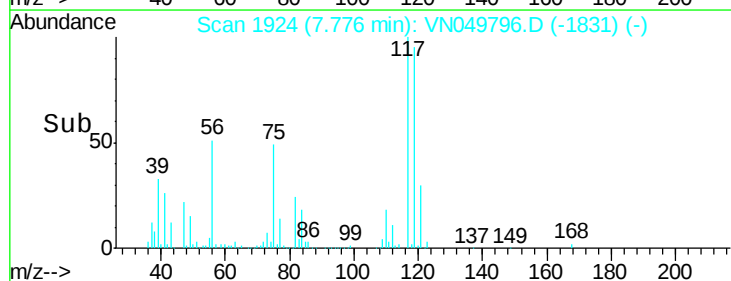
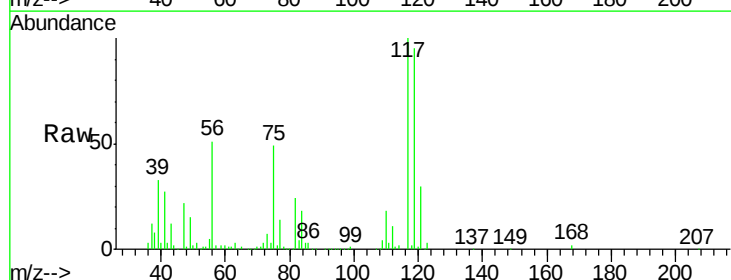
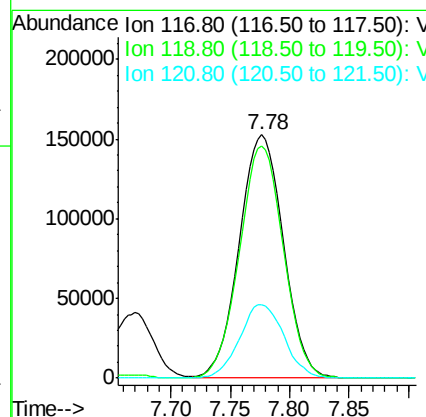
Manual Integrations
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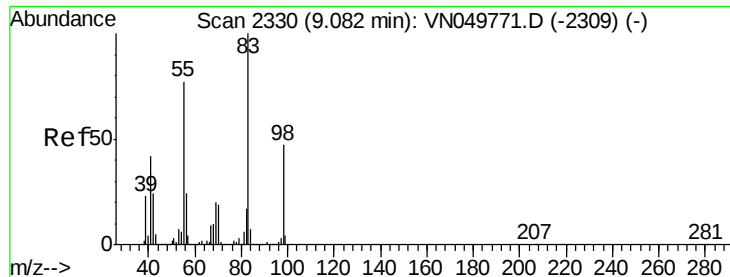
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.15 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.2	115.8
121	30.5	25.0	37.6





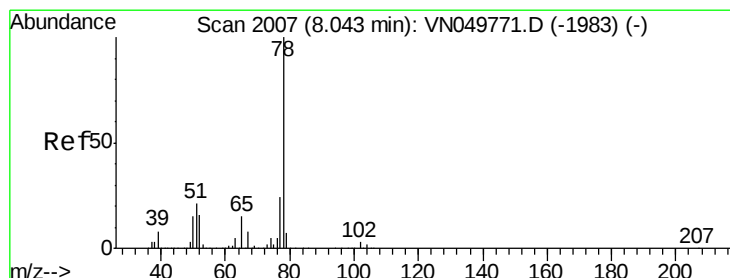
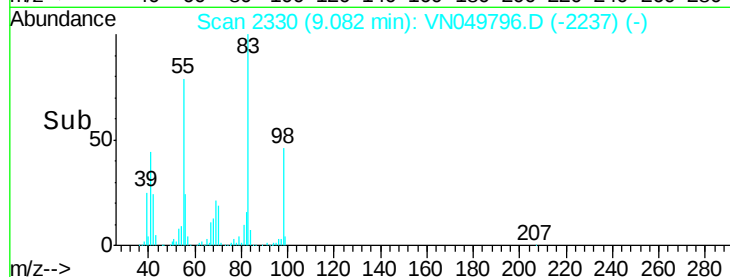
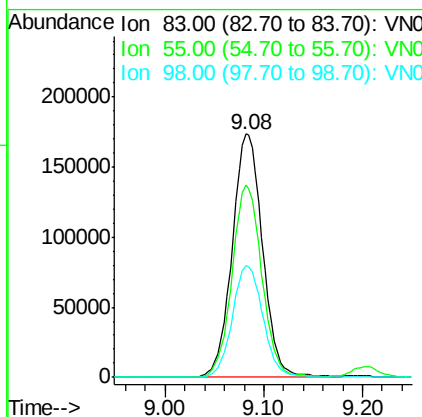
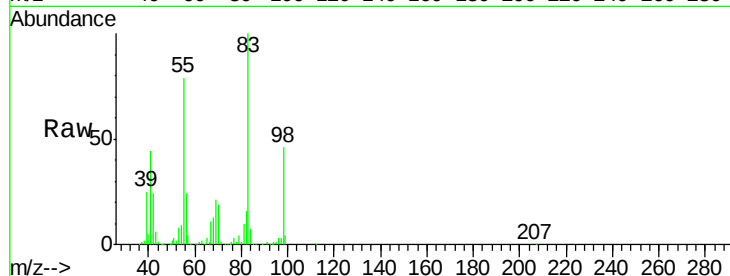
#39
Methvlcvclohexane
Concen: 19.06 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	59.7	89.5
98	45.7	36.5	54.7

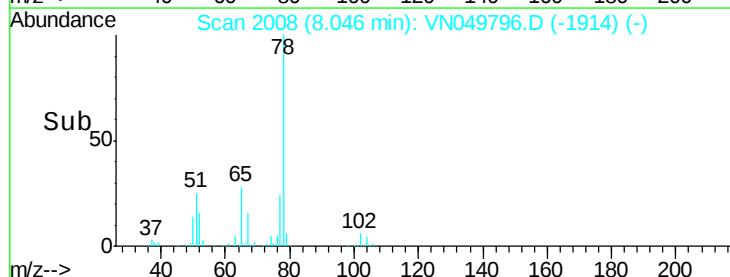
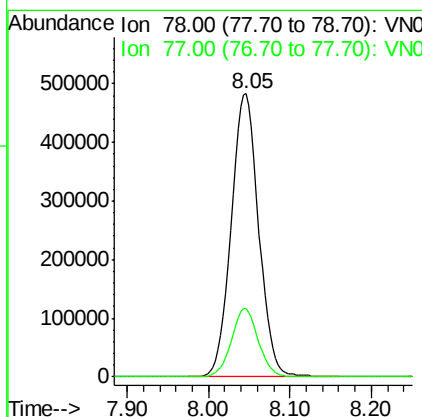
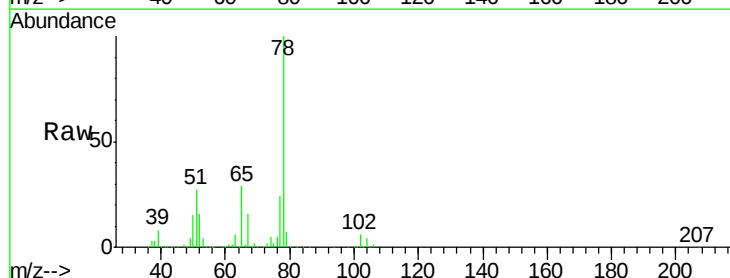
Manual Integrations
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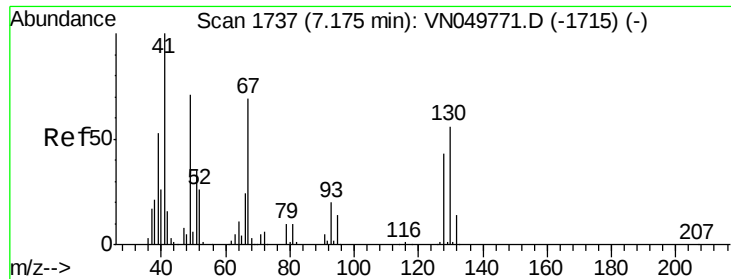
MMDadoda
7/16/2018 11:02:47 AM



#40
Benzene
Concen: 20.56 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





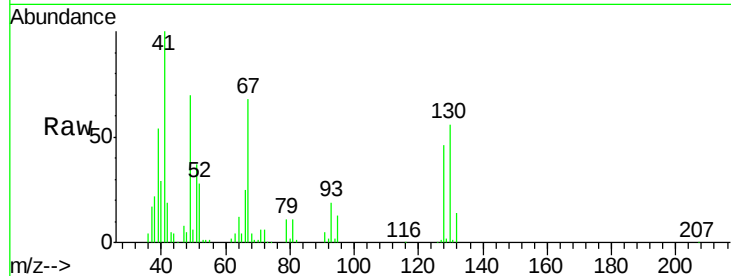
#41
Methacrylonitrile
Concen: 18.45 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

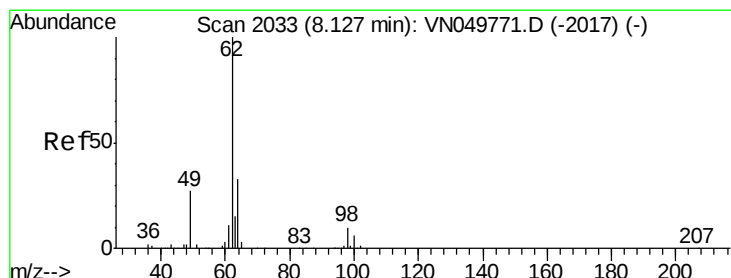
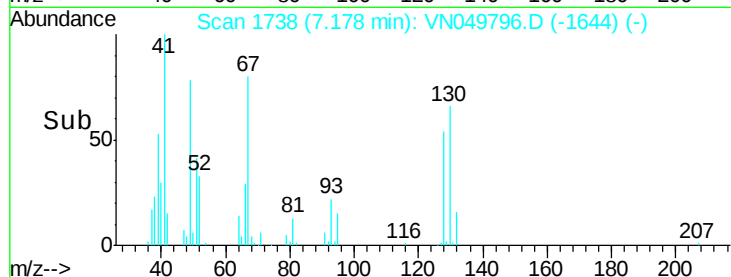
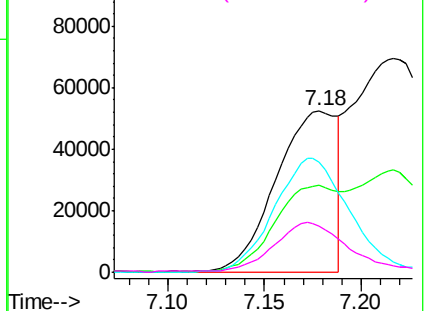
Tot Ion	41	Resp	114294
Ion Ratio	Lower	Upper	
41	100		
39	59.5	45.4	68.2
67	88.5	65.4	98.0
52	36.8	24.7	37.1

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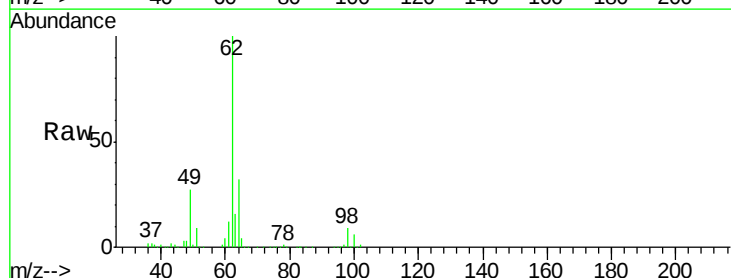


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

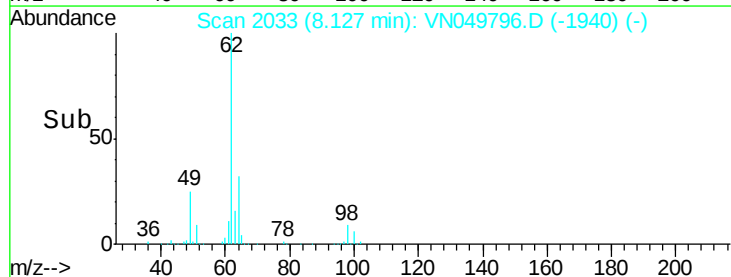
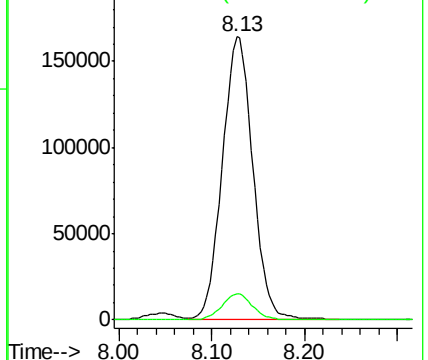


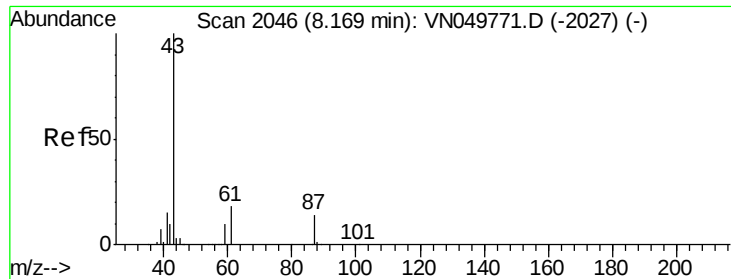
#42
1,2-Dichloroethane
Concen: 20.63 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	62	Resp	373648
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

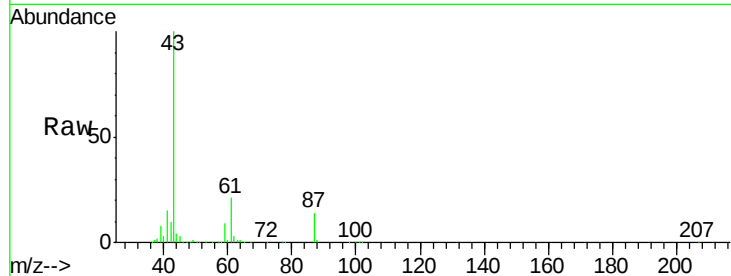
Isopropyl Acetate
 Concen: 20.92 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0713WBS01

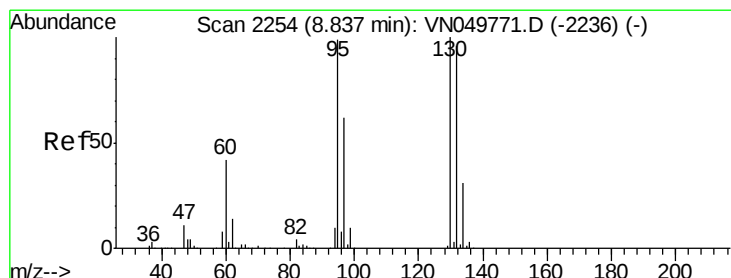
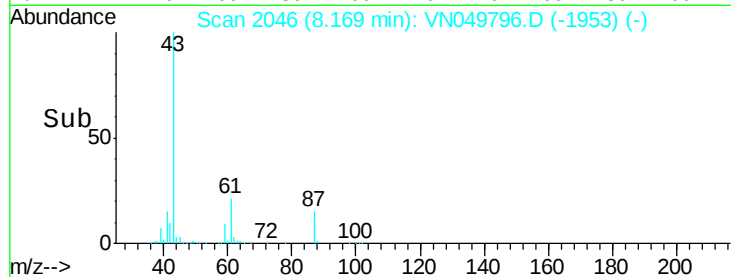
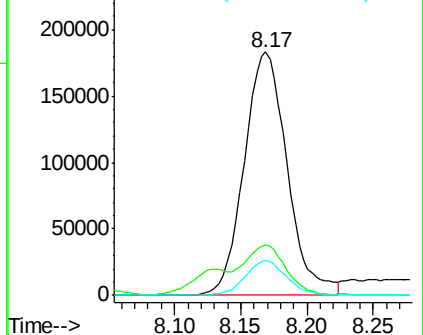
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.9	22.3
87	13.7	10.0	15.0

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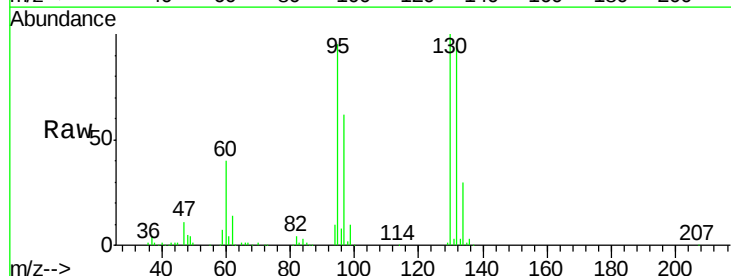
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



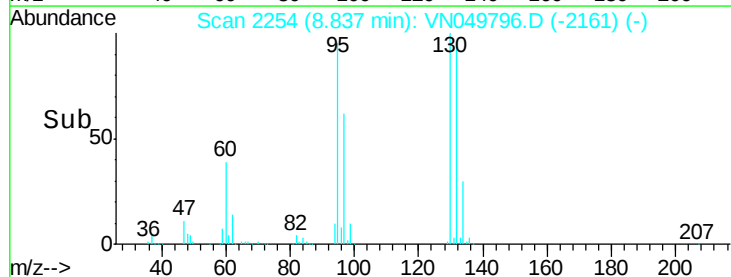
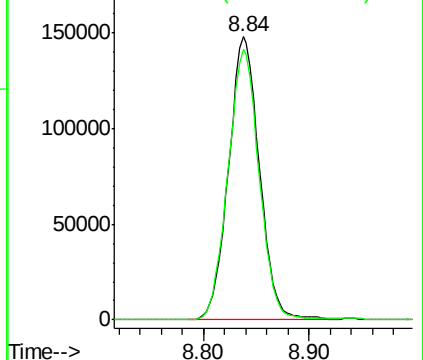
#44

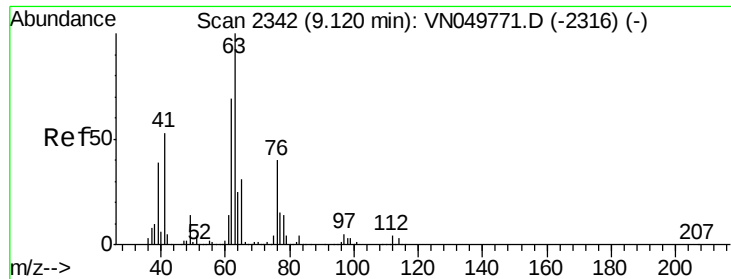
Trichloroethene
 Concen: 20.12 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	192.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.59 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 63 Resp: 306331

Ion Ratio Lower Upper

63 100

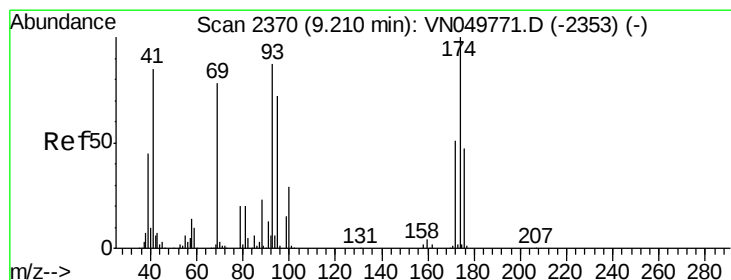
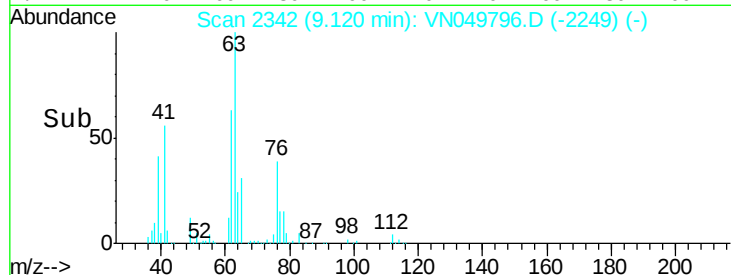
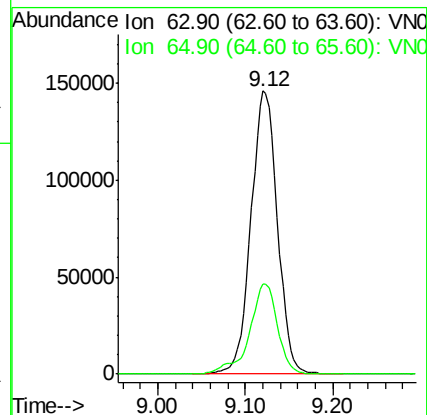
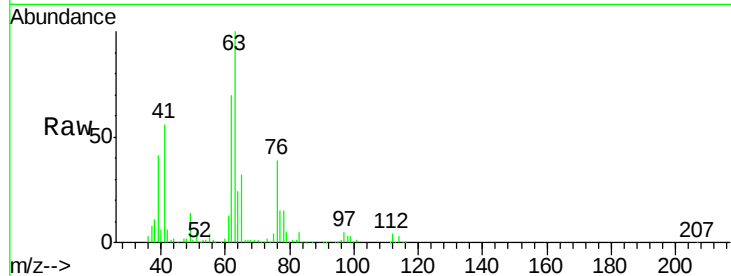
65 31.9 24.7 37.1

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#46

Dibromomethane

Concen: 20.93 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

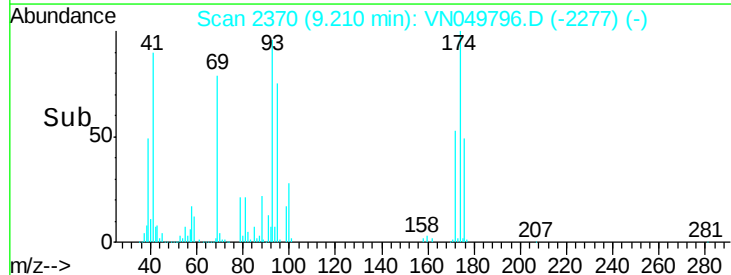
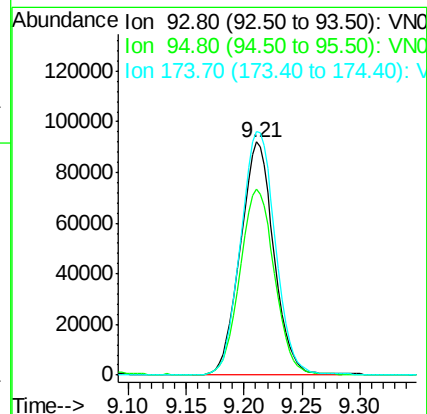
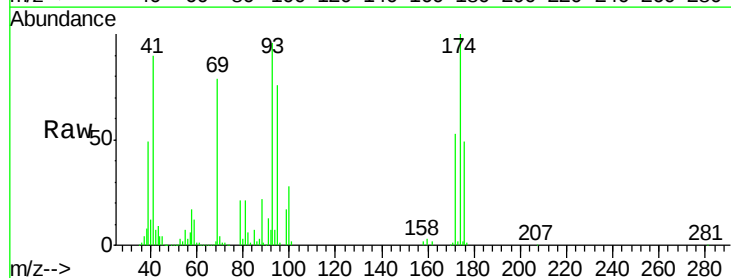
Tgt Ion: 93 Resp: 184903

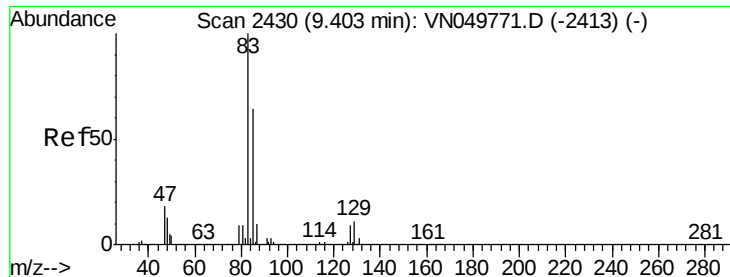
Ion Ratio Lower Upper

93 100

95 82.3 67.9 101.9

174 108.1 89.4 134.0





#47

Bromodichloromethane

Concen: 20.40 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

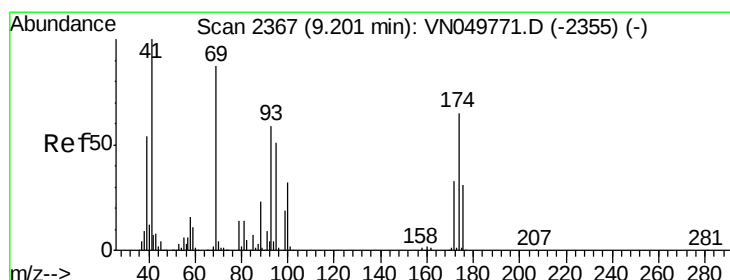
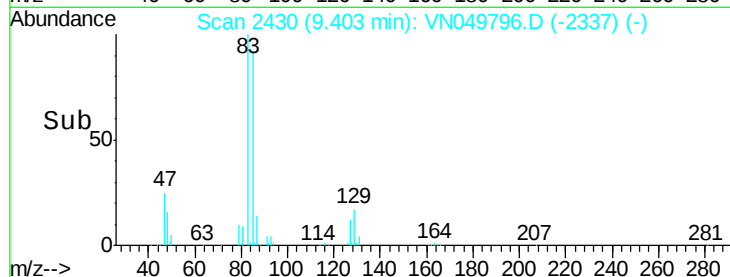
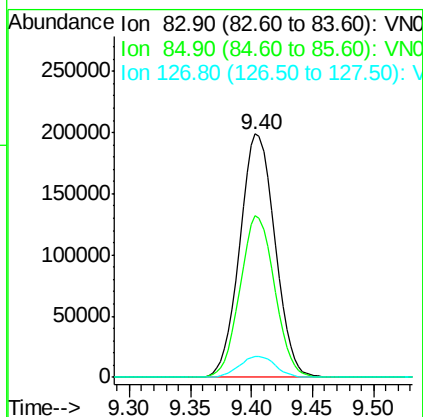
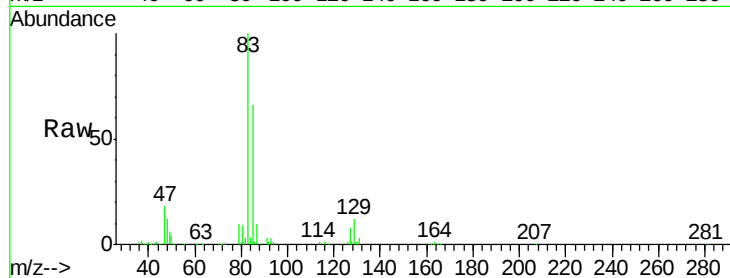
ClientSampled :

VN0713WBS01

Tot Ion:	83	Resp:	396917
Ion Ratio	Lower	Upper	
83	100		
85	66.4	50.5	75.7
127	8.5	6.8	10.2

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#48

Methyl methacrylate

Concen: 20.40 ug/l

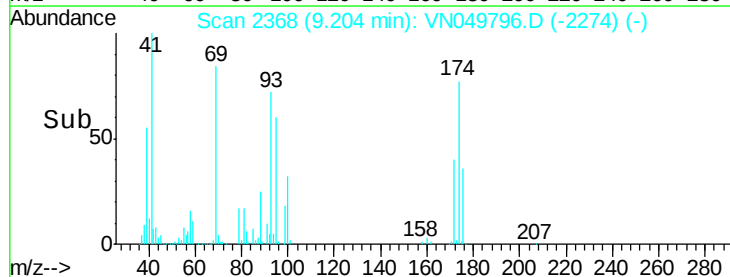
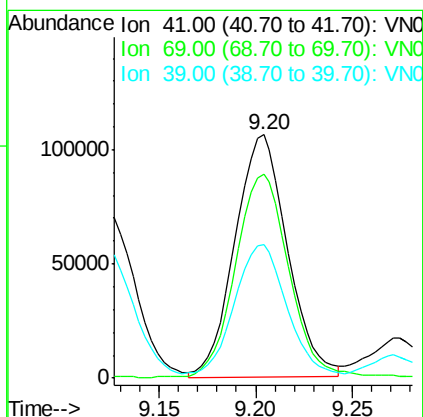
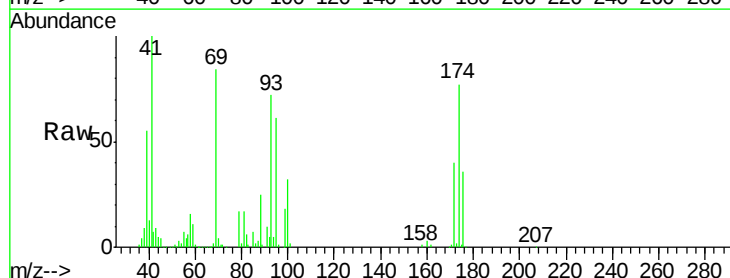
RT: 9.20 min Scan# 2368

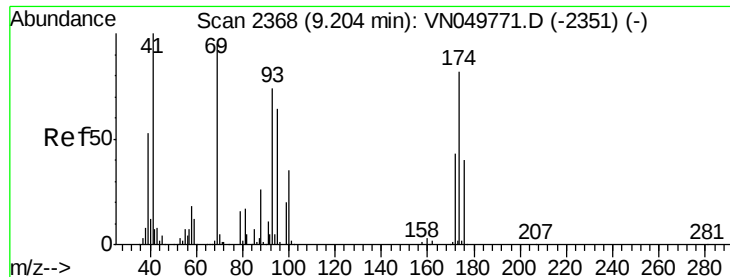
Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	41	Resp:	200843
Ion Ratio	Lower	Upper	
41	100		
69	85.6	71.5	107.3
39	55.9	44.7	67.1





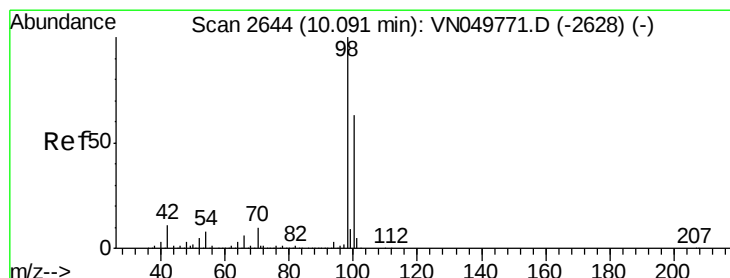
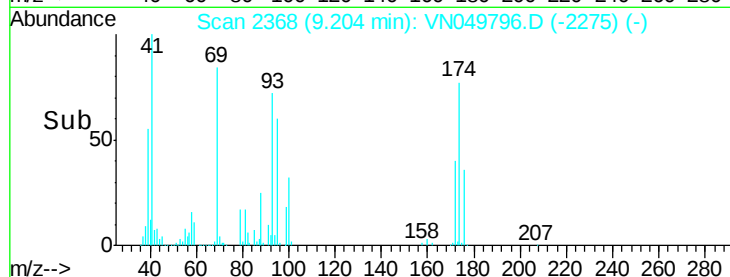
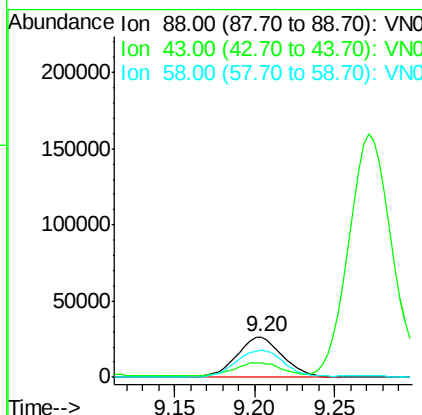
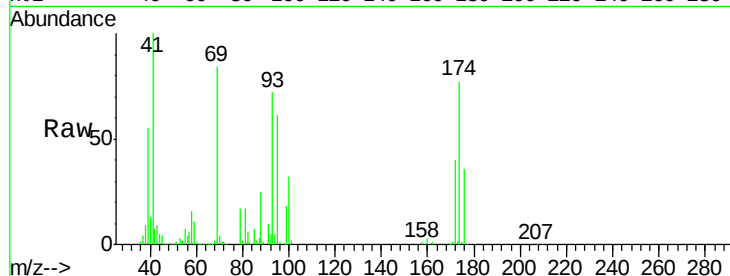
#49
1,4-Dioxane
Concen: 397.87 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	88	Resp	51318
Ion Ratio	Lower	Upper	
88	100		
43	35.2	25.1	37.7
58	71.7	52.5	78.7

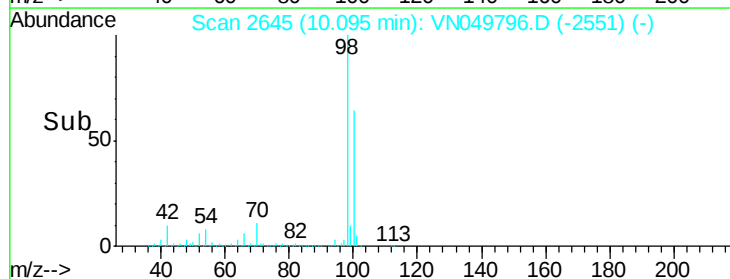
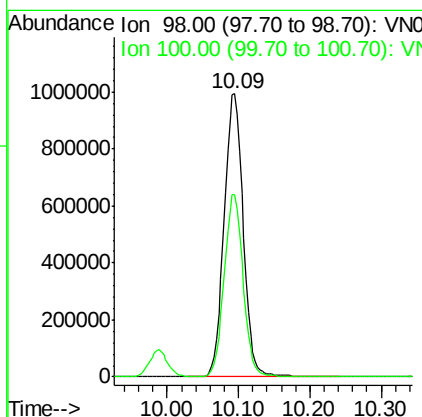
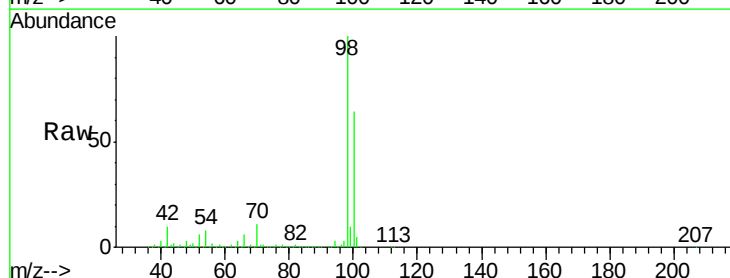
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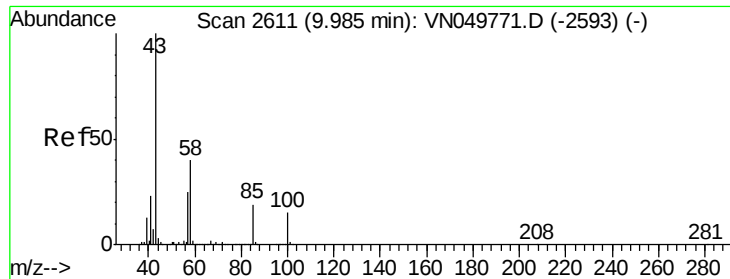
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#50
Toluene-d8
Concen: 44.61 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	98	Resp	1848425
Ion Ratio	Lower	Upper	
98	100		
100	64.0	51.7	77.5





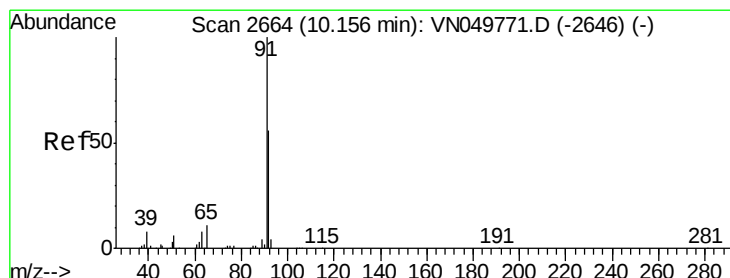
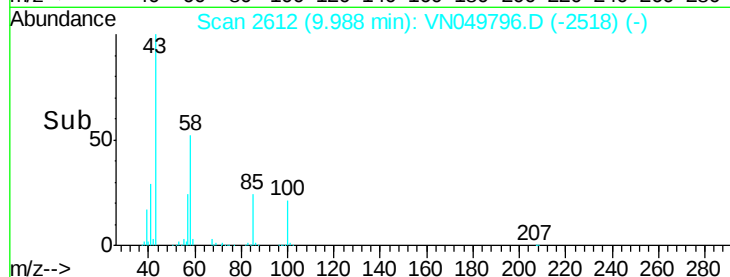
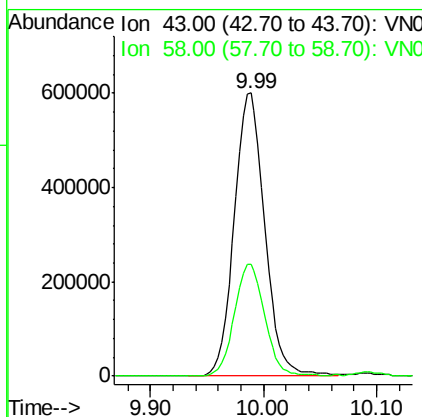
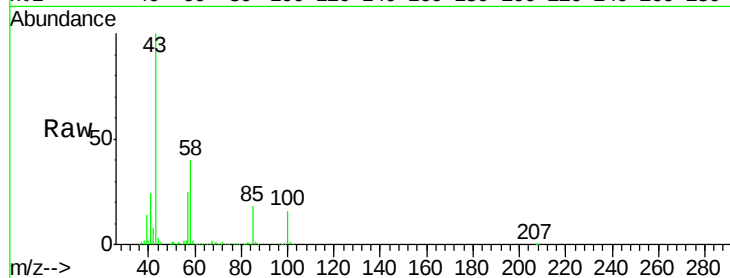
#51
4-Methyl-2-Pentanone
Concen: 105.17 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion: 43 Resp: 1124272
Ion Ratio Lower Upper
43 100
58 39.5 31.8 47.8

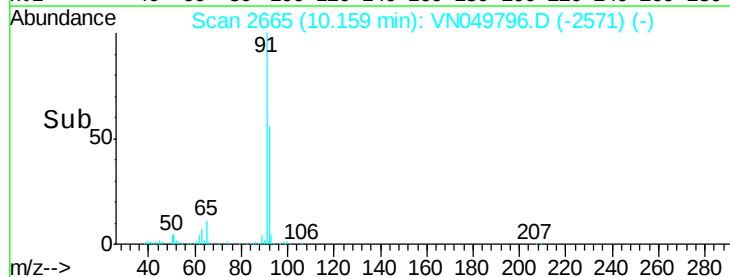
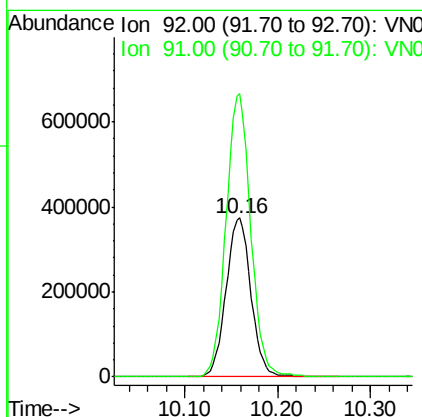
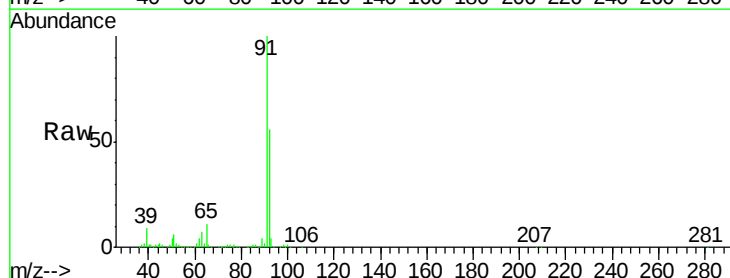
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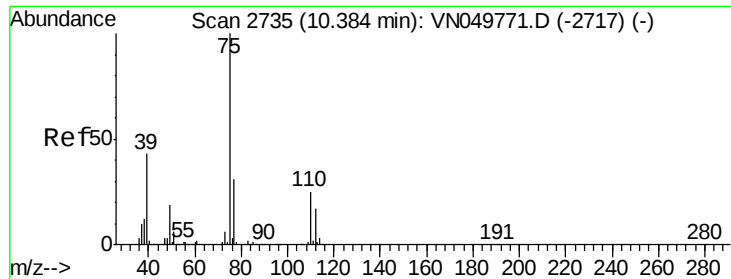
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#52
Toluene
Concen: 21.04 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 92 Resp: 697061
Ion Ratio Lower Upper
92 100
91 176.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 20.31 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 75 Resp: 380094

Ion Ratio Lower Upper

75 100

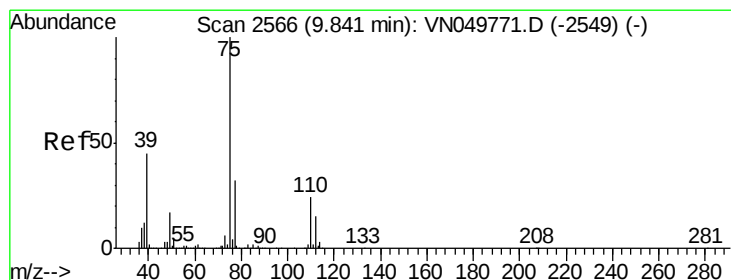
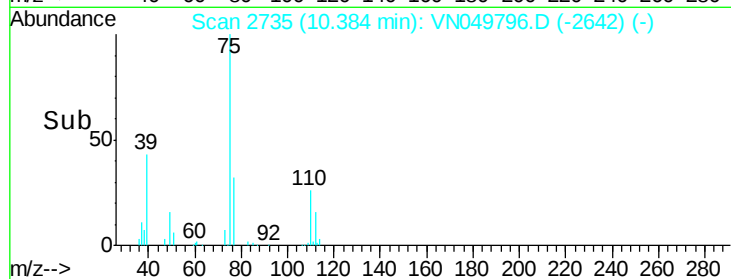
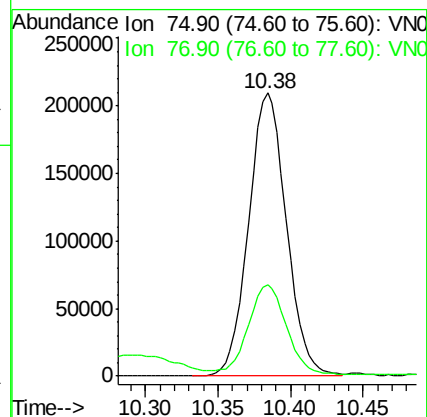
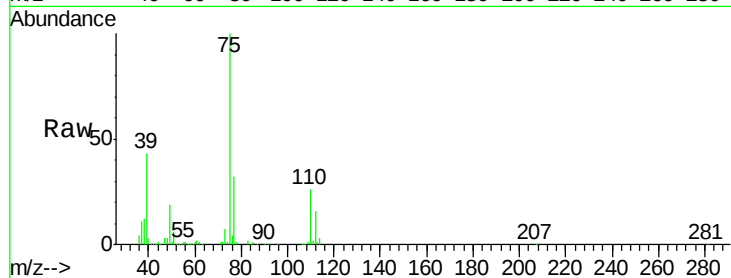
77 31.4 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 20.58 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

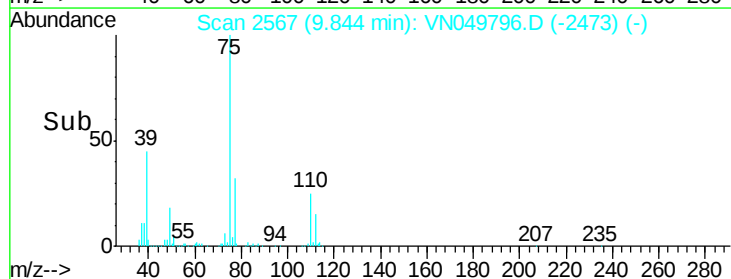
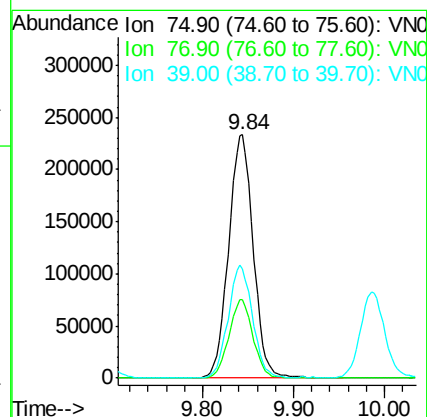
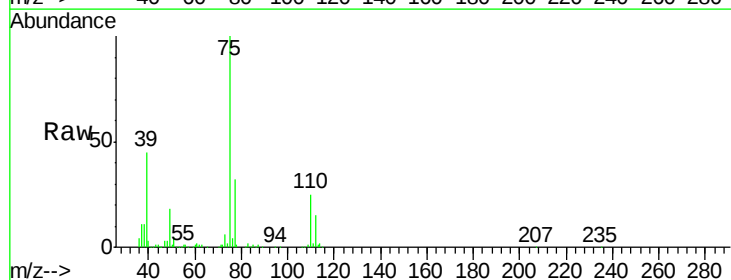
Tgt Ion: 75 Resp: 438775

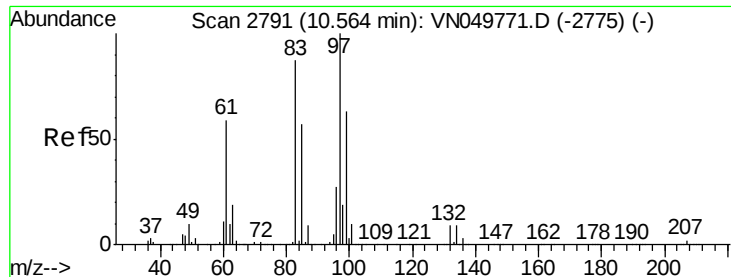
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 44.7 35.5 53.3





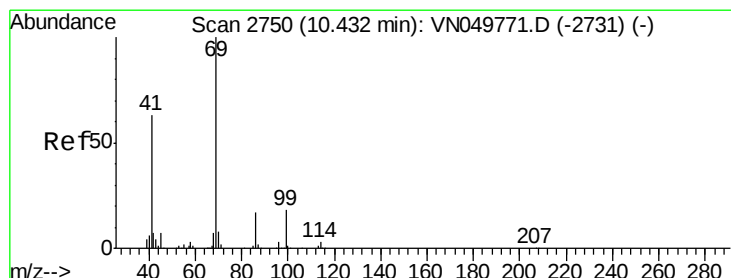
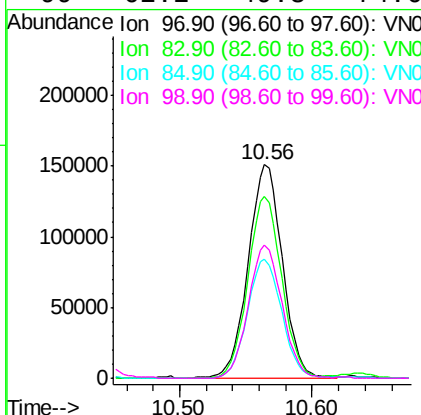
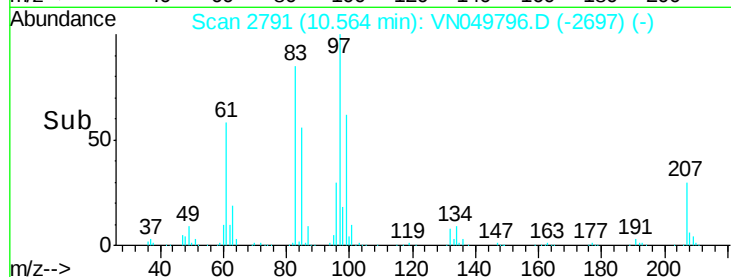
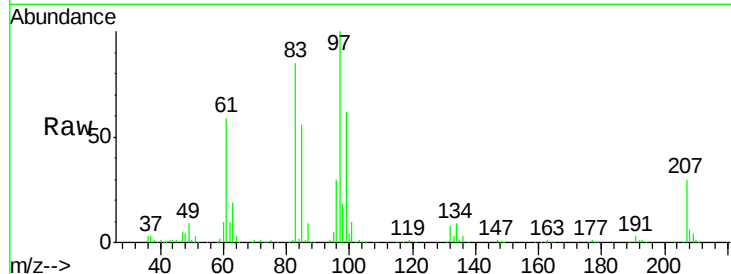
#55
 1,1,2-Trichloroethane
 Concen: 21.23 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.0	103.6
85	55.9	44.9	67.3
99	62.2	49.8	74.6

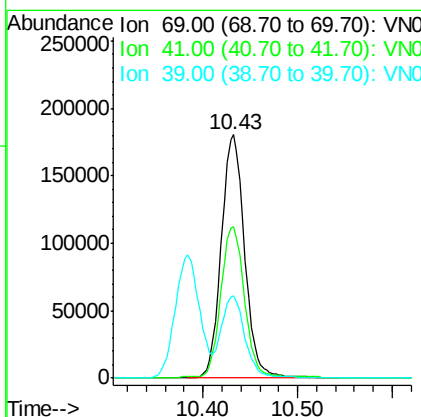
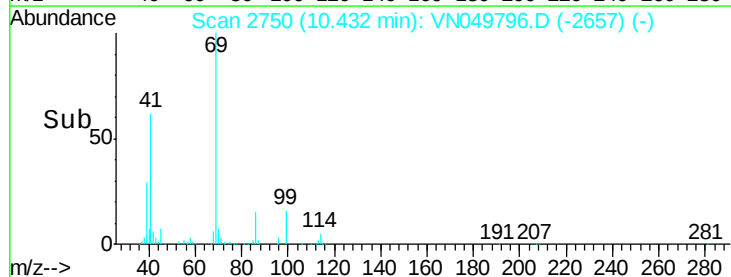
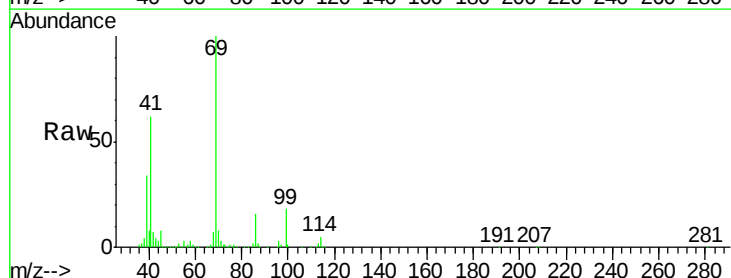
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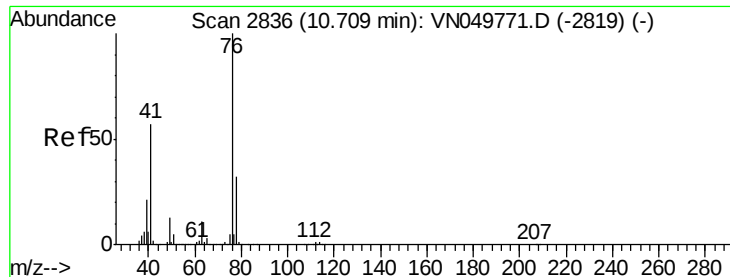
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#56
 Ethyl methacrylate
 Concen: 20.72 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.7	51.6	77.4
39	33.8	25.8	38.8





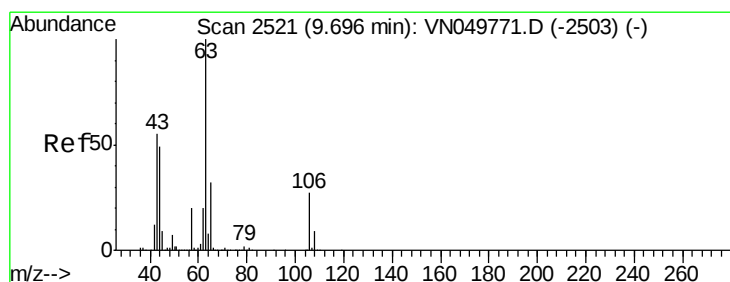
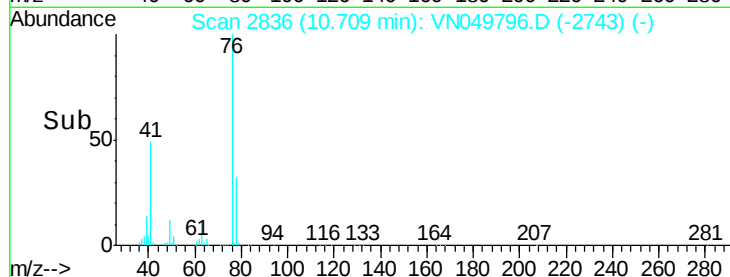
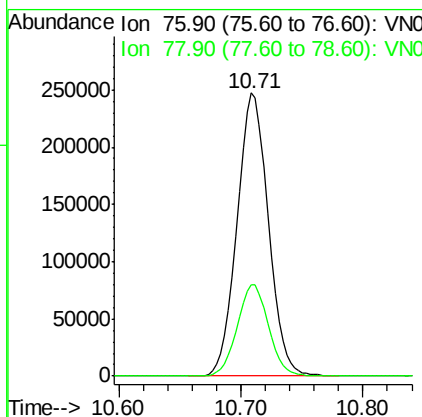
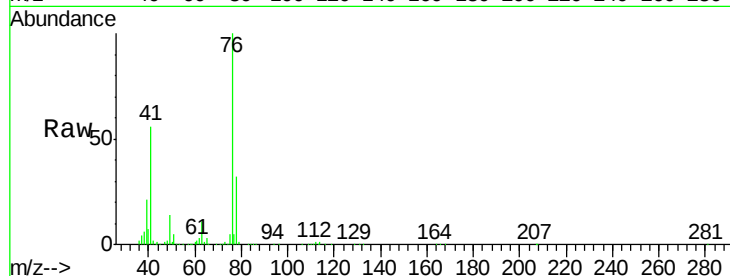
#57
 1,3-Dichloropropane
 Concen: 20.80 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion: 76 Resp: 438964
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

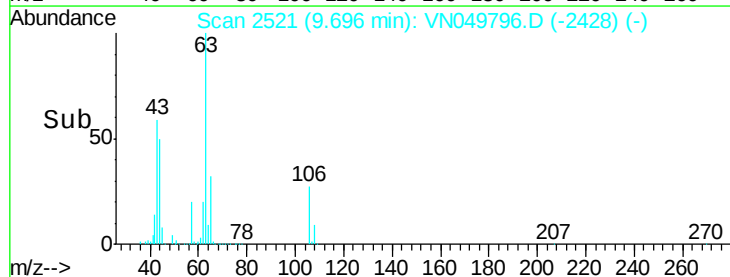
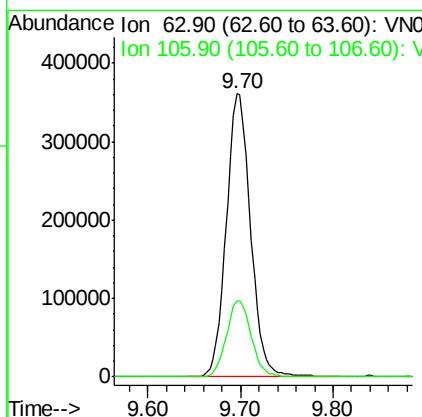
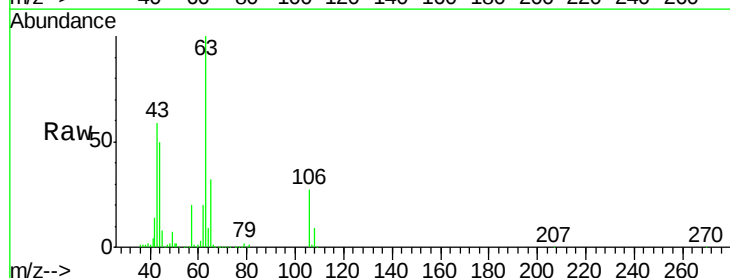
Manual Integrations
 APPROVED

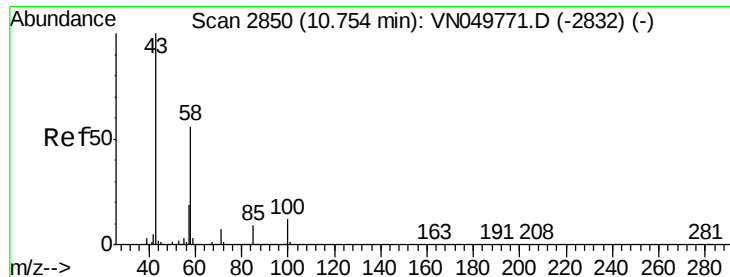
MMDadoda
 7/16/2018 11:02:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.37 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion: 63 Resp: 655357
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.8 32.8





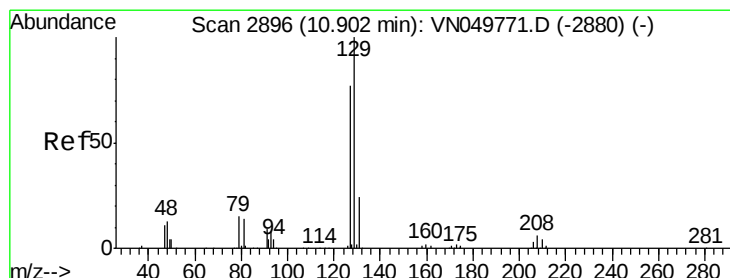
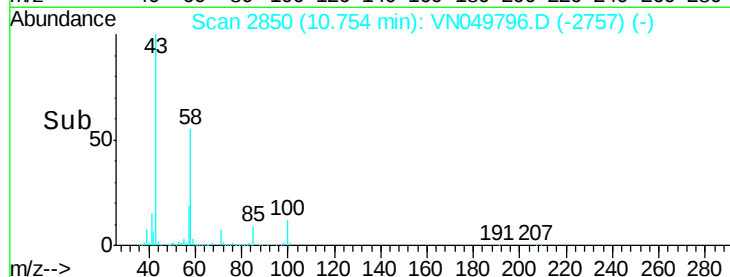
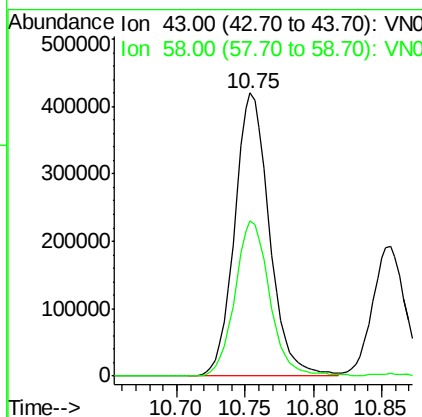
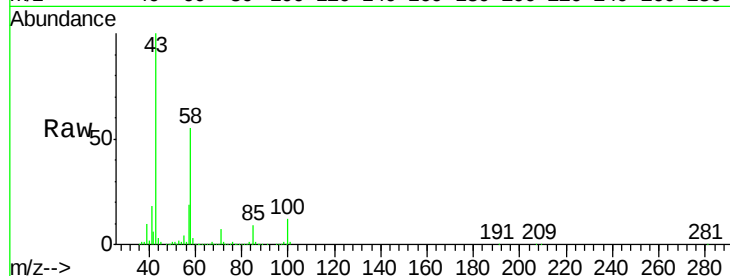
#59
2-Hexanone
Concen: 104.24 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion: 43 Resp: 740765
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4

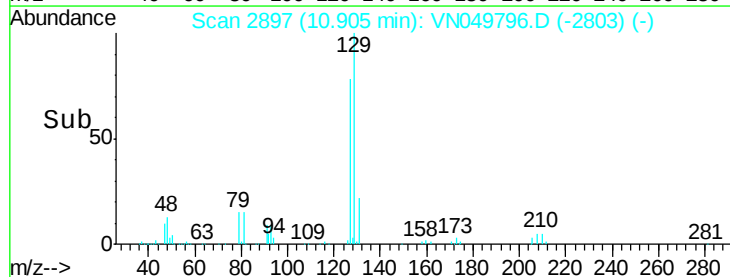
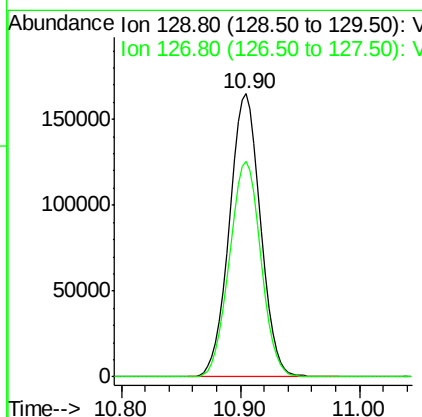
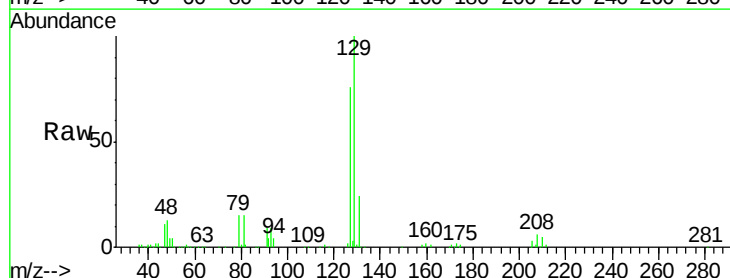
Manual Integrations
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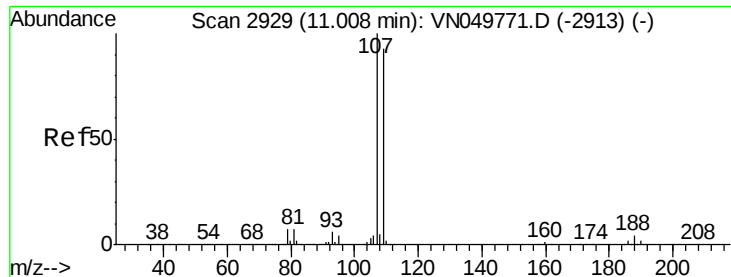
MMDadoda
7/16/2018 11:02:47 AM



#60
Dibromochloromethane
Concen: 20.58 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 129 Resp: 298751
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.41 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 107 Resp: 246039

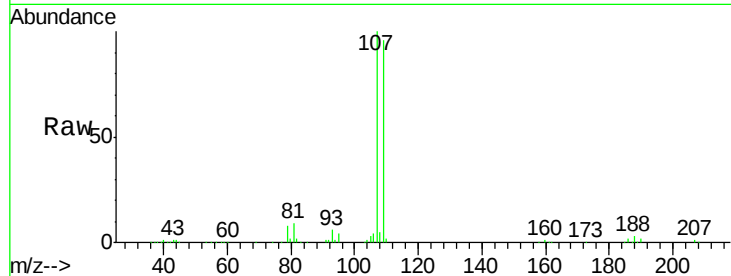
Ion Ratio Lower Upper

107 100

109 94.7 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

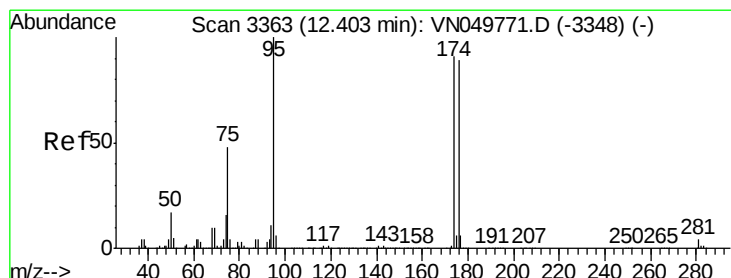
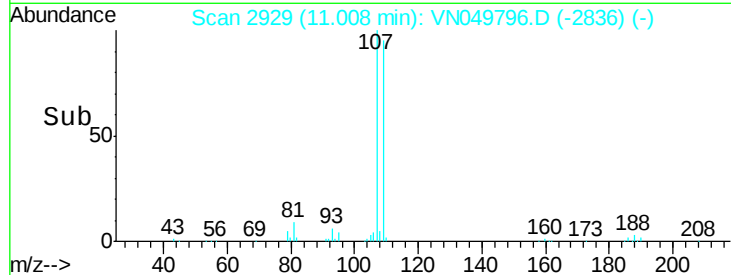
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 44.38 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

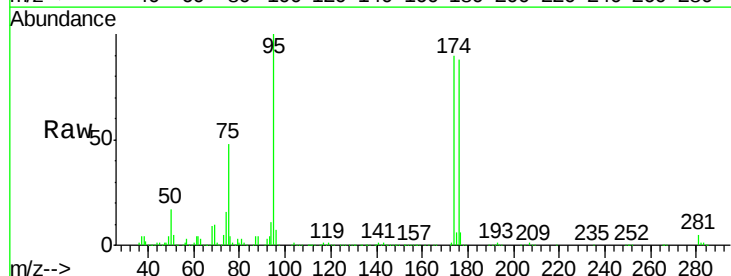
Tgt Ion: 95 Resp: 656828

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

176 87.4 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

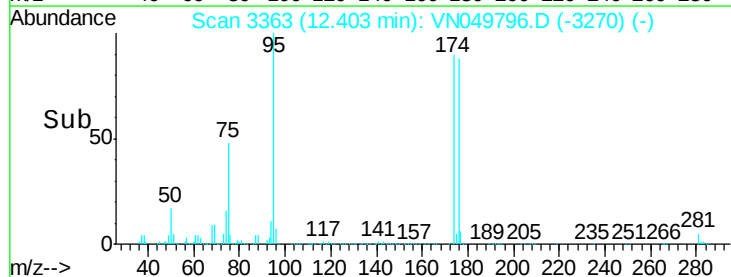
300000

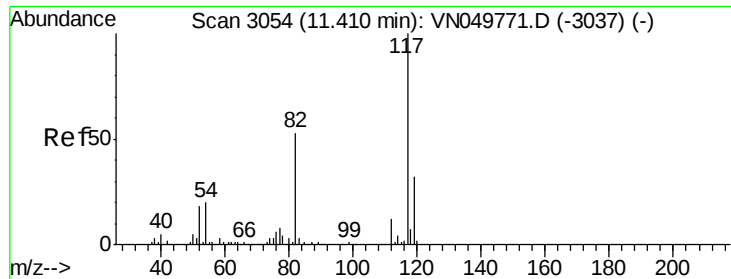
200000

100000

0

Time--> 12.35 12.40 12.45 12.50





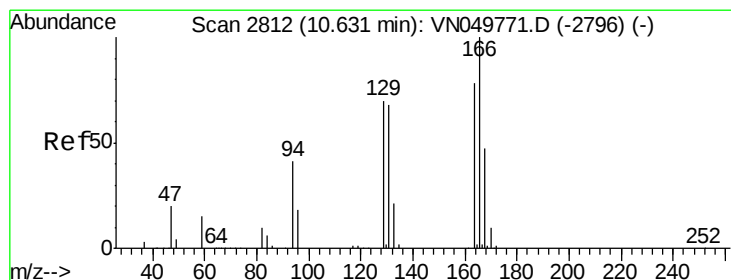
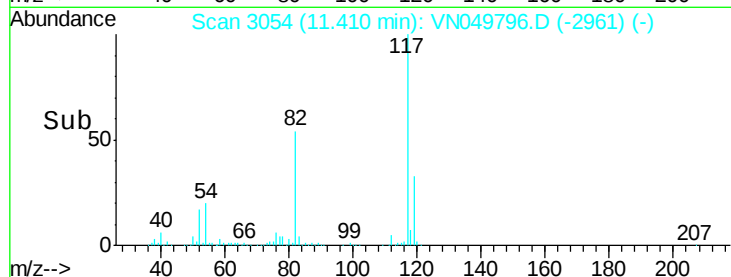
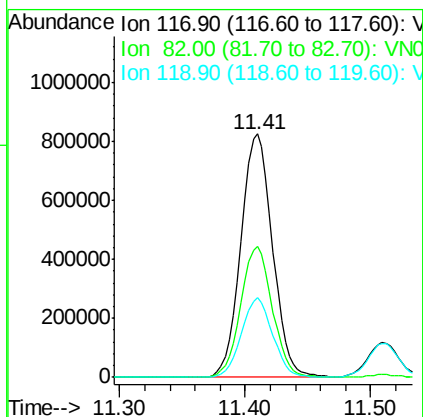
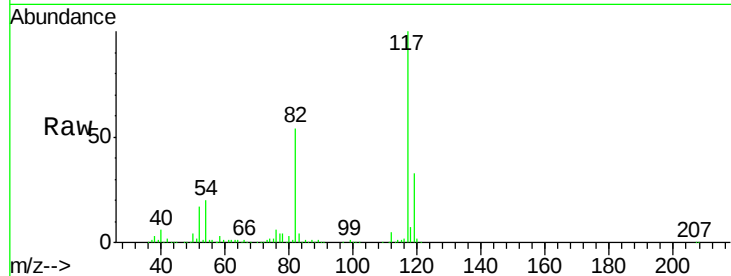
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion:117 Resp: 1444279
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 32.6 25.4 38.2

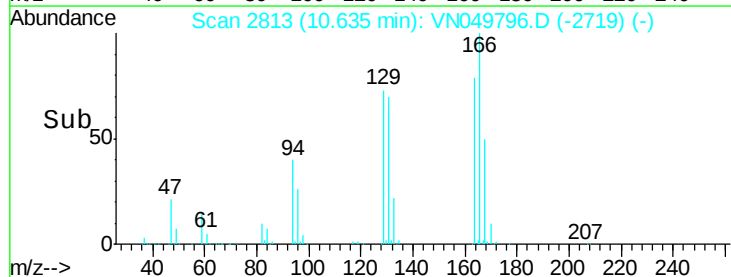
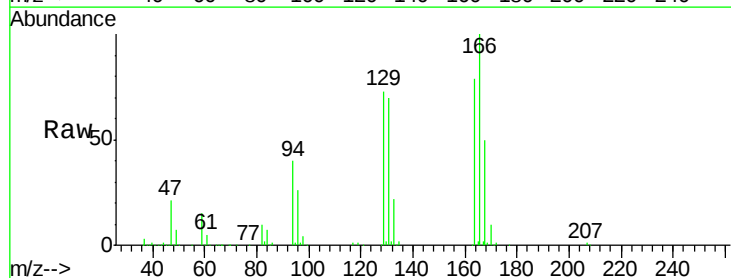
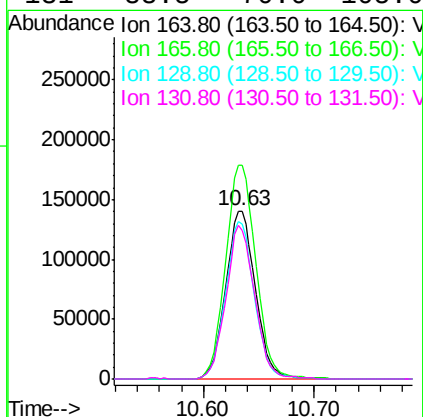
Manual Integrations
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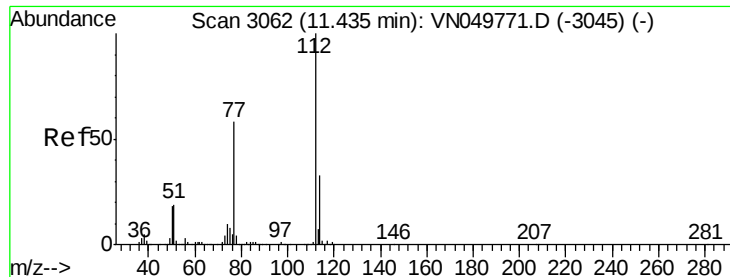
MMDadoda
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#64
Tetrachloroethene
Concen: 20.00 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion:164 Resp: 262335
Ion Ratio Lower Upper
164 100
166 127.0 101.8 152.6
129 92.0 72.8 109.2
131 88.5 70.0 105.0





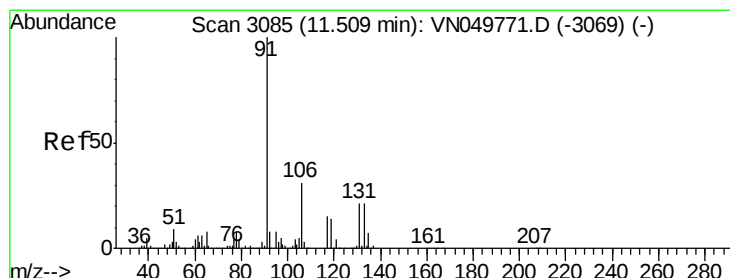
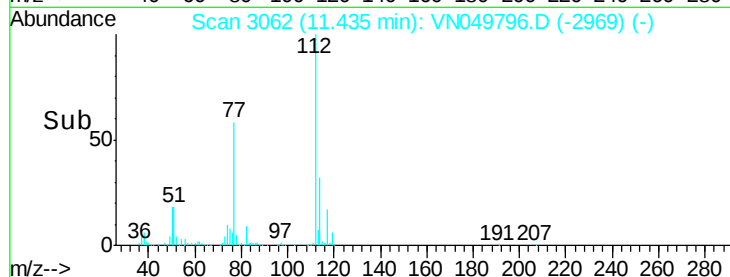
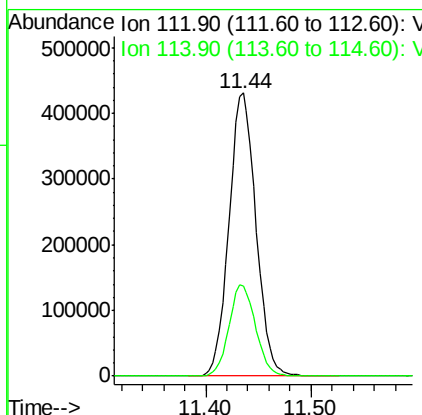
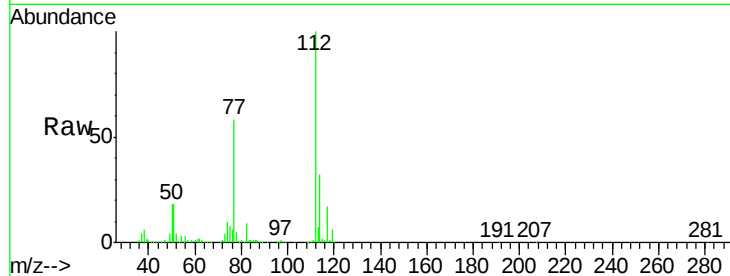
#65
Chlorobenzene
Concen: 20.24 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0

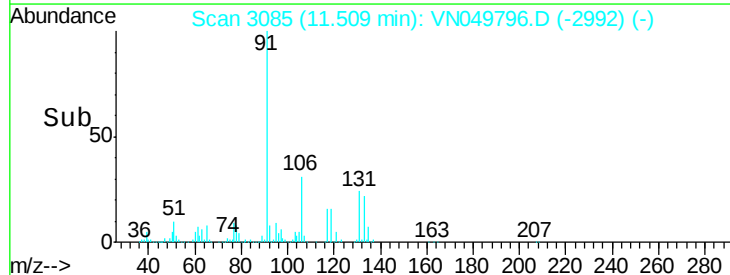
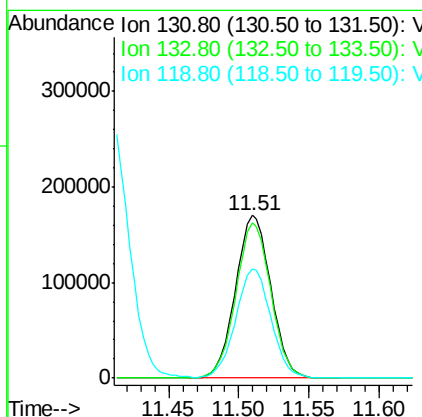
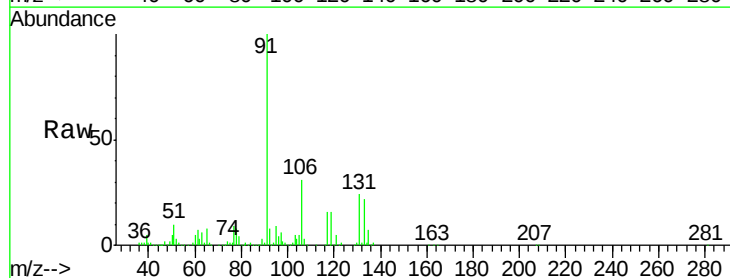
Manual Integrations
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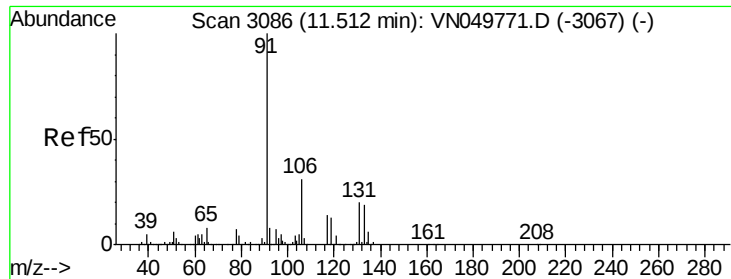
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.10 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.5	142.6
119	66.9	33.1	99.3





#67

Ethyl Benzene

Concen: 20.61 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

Tot Ion: 91 Resp: 1269925

Ion Ratio Lower Upper

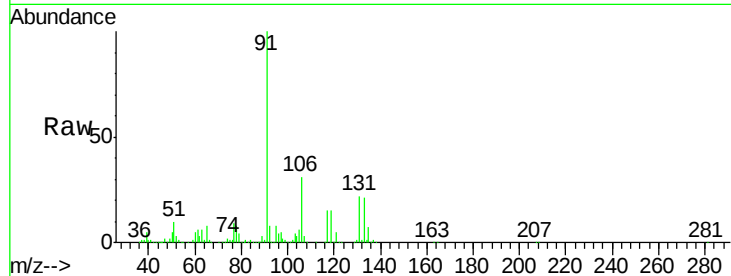
91 100

106 31.2 24.8 37.2

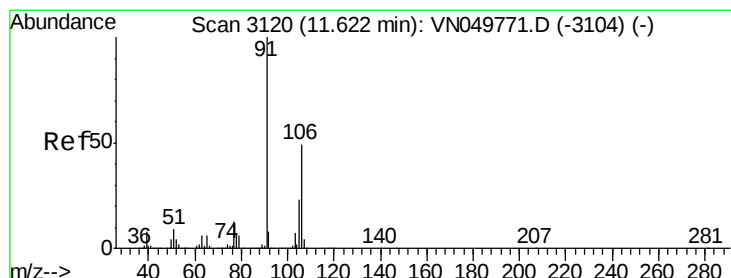
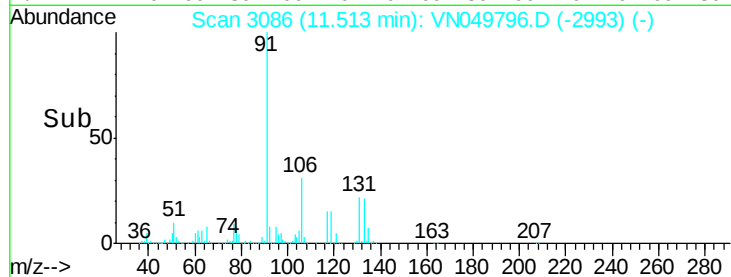
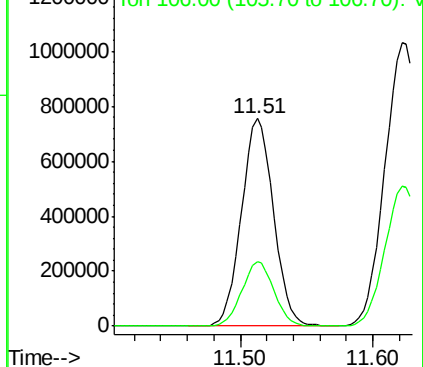
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049796.D (-2993) (-)



#68

m/p-Xylenes

Concen: 42.33 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049796.D

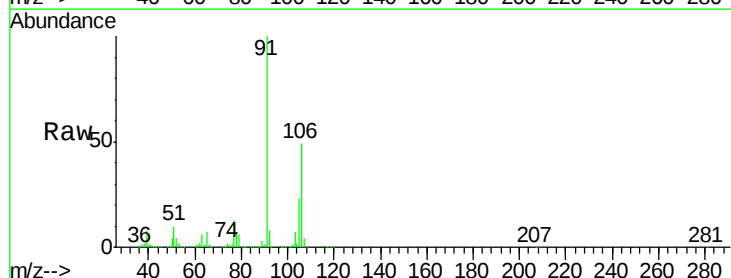
Acq: 13 Jul 2018 14:49

Tgt Ion: 106 Resp: 978856

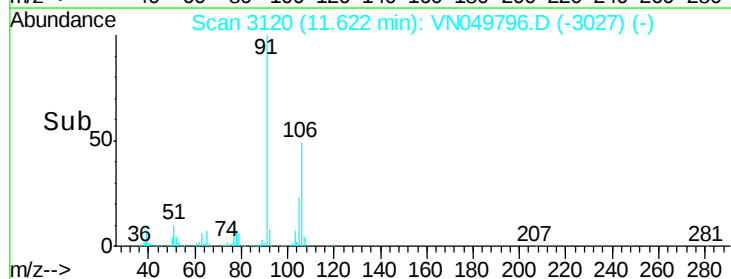
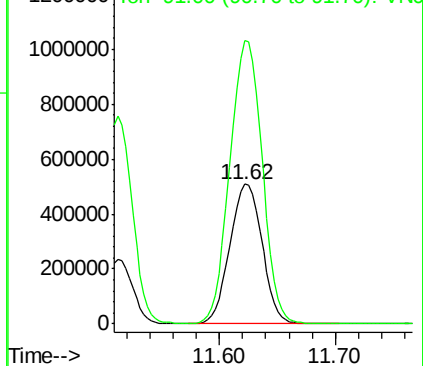
Ion Ratio Lower Upper

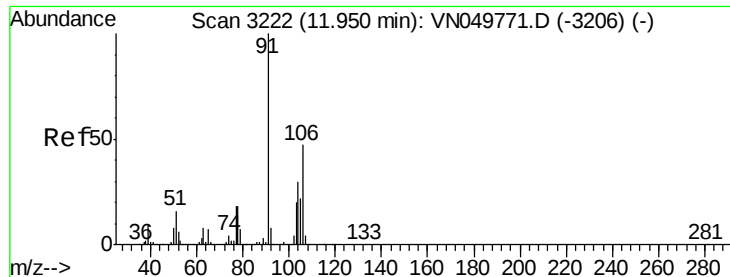
106 100

91 203.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049796.D (-3027) (-)





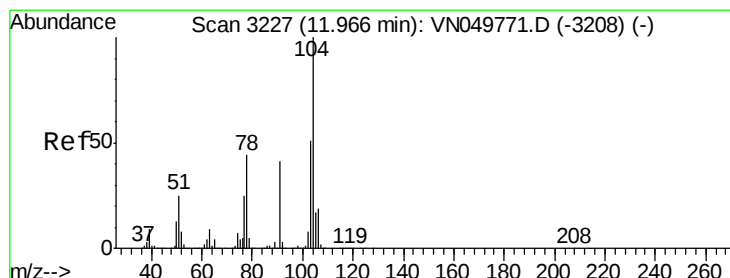
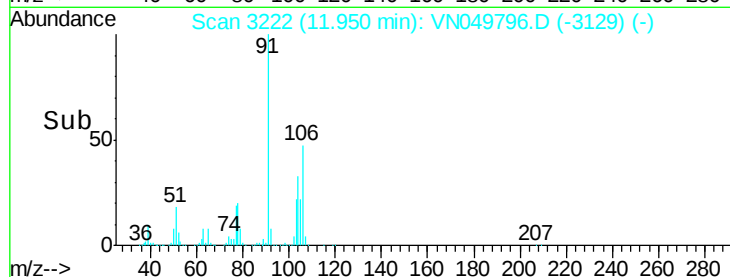
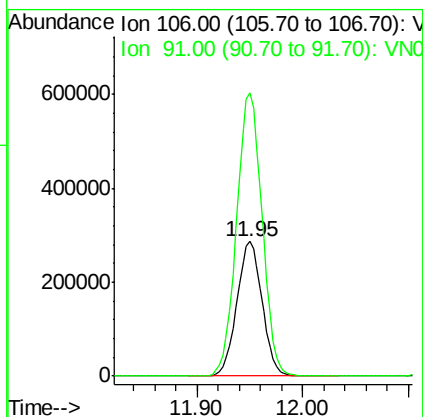
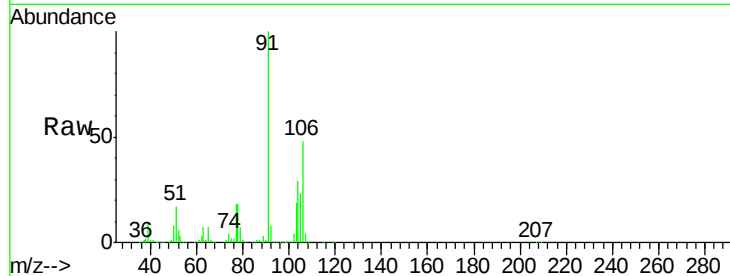
#69
o-Xylene
Concen: 21.21 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion:106 Resp: 473877
Ion Ratio Lower Upper
106 100
91 213.1 108.7 326.1

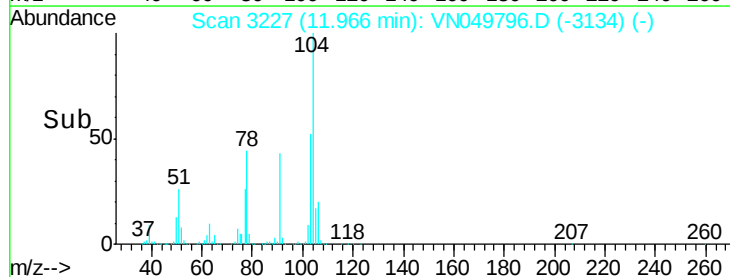
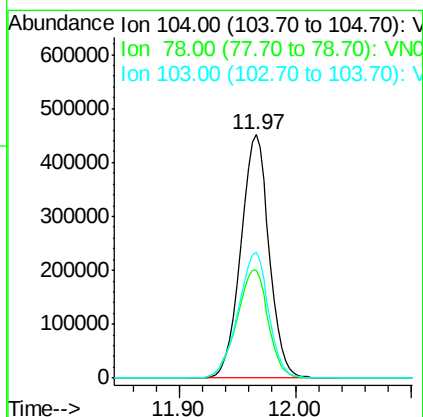
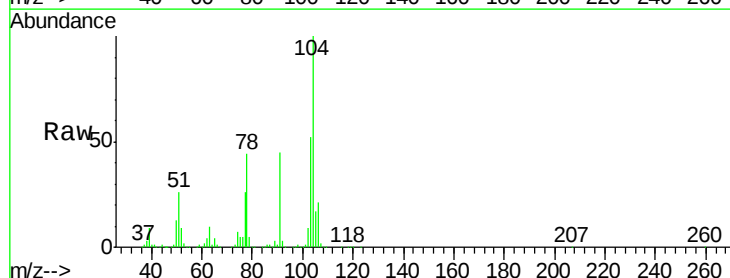
Manual Integrations
APPROVED

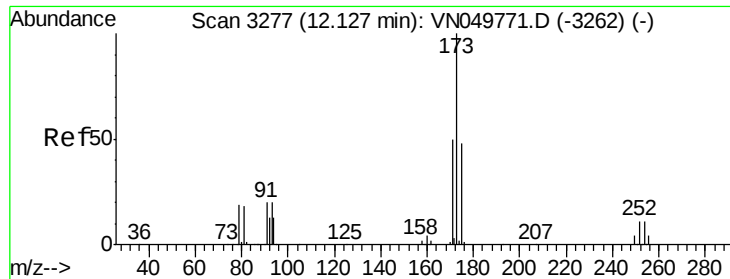
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#70
Styrene
Concen: 21.52 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion:104 Resp: 763569
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 55.8 44.6 67.0





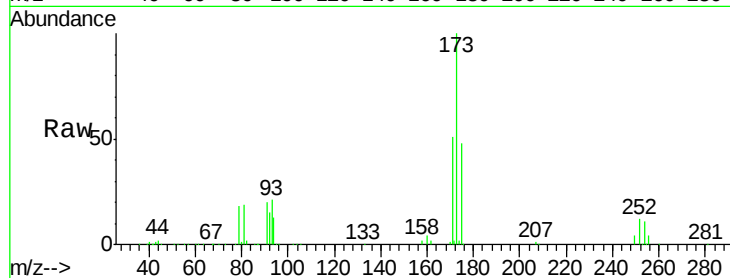
#71
Bromoform
Concen: 20.89 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

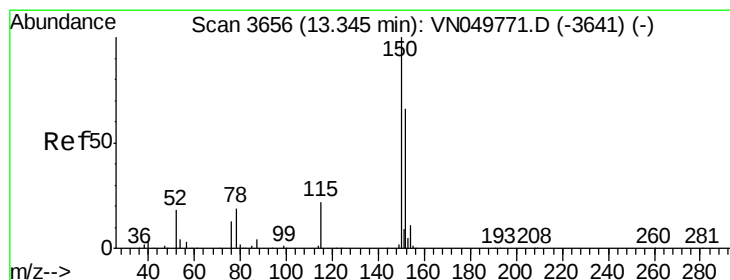
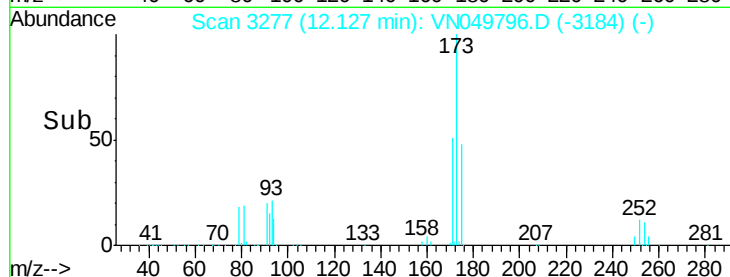
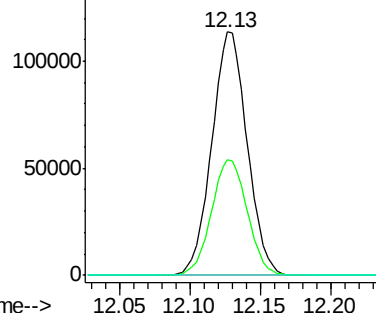
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.8
254	0.1	0.2	0.2#

Manual Integrations
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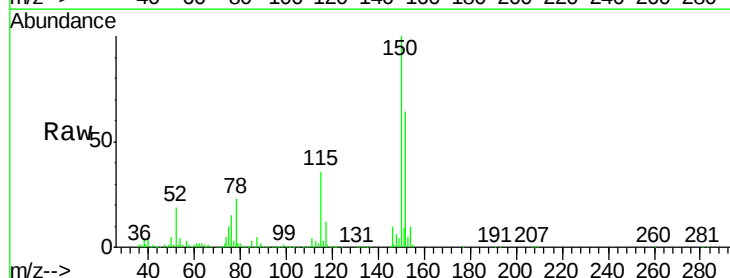


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

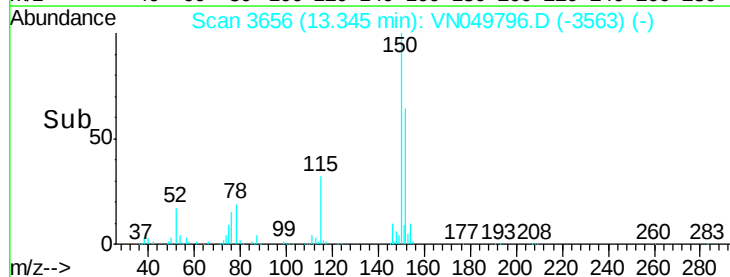
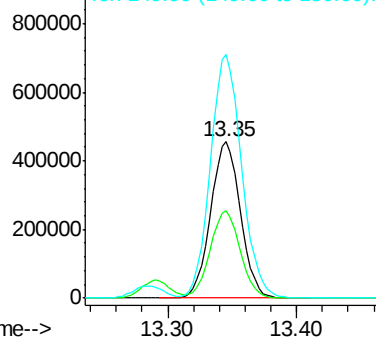


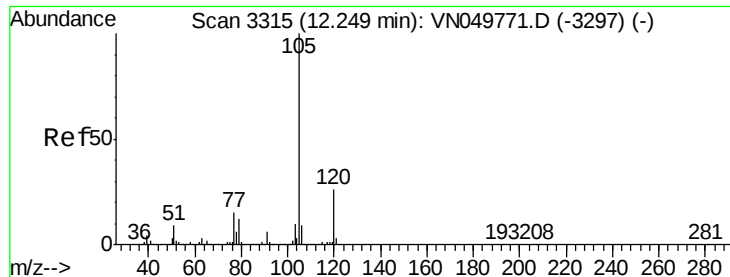
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.1	84.2
150	163.9	0.0	347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.81 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 105 Resp: 1263653

Ion Ratio Lower Upper

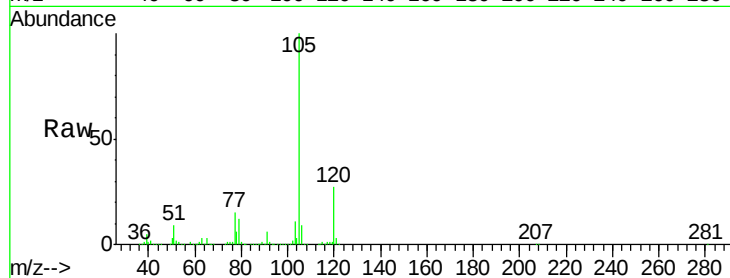
105 100

120 26.6 13.3 39.8

Manual Integrations
APPROVED

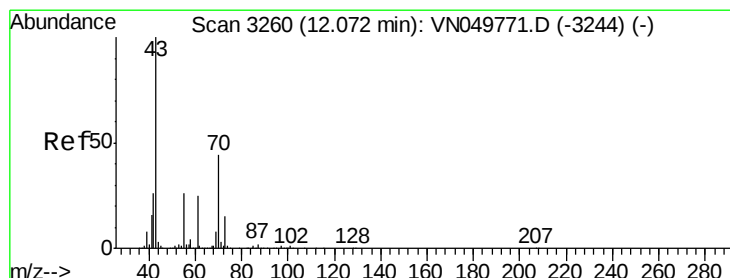
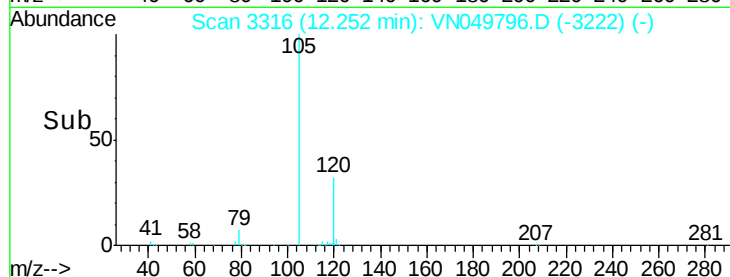
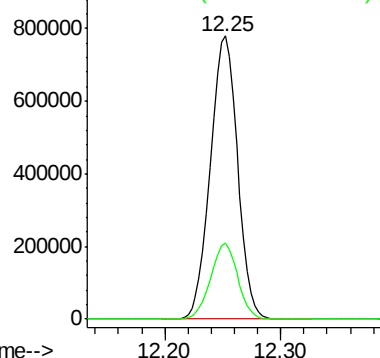
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.19 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion: 43 Resp: 318910

Ion Ratio Lower Upper

43 100

70 43.0 34.8 52.2

55 26.7 20.9 31.3

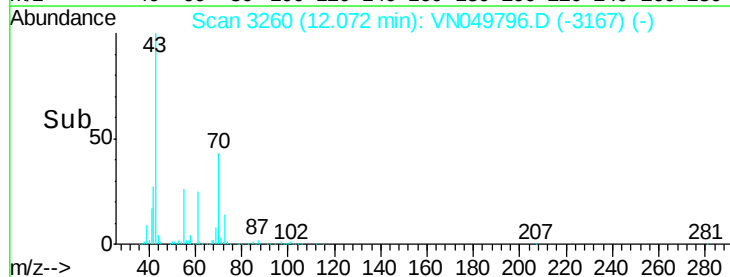
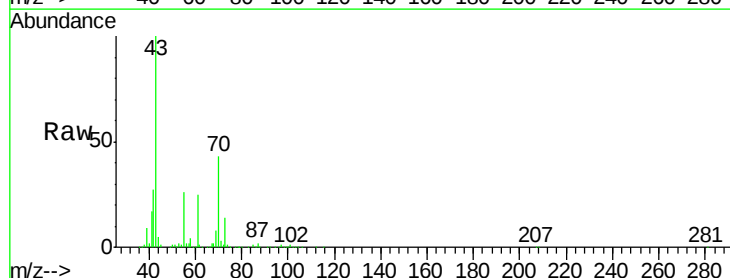
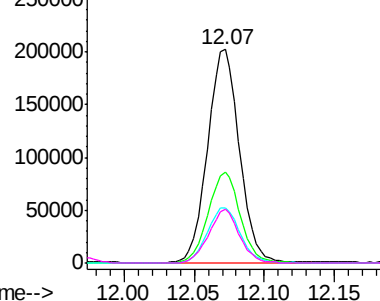
61 24.4 19.9 29.9

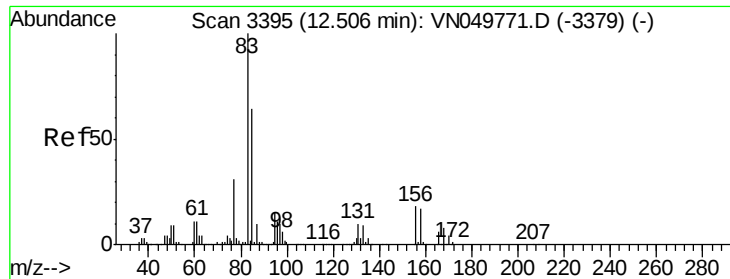
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.98 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

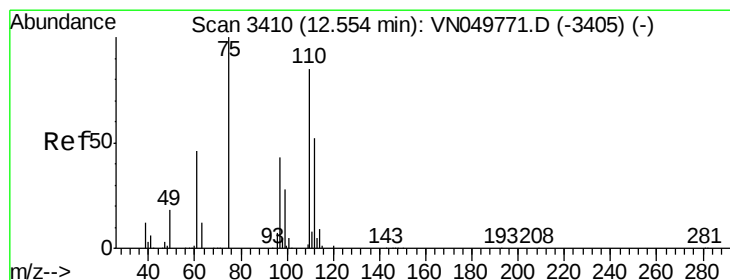
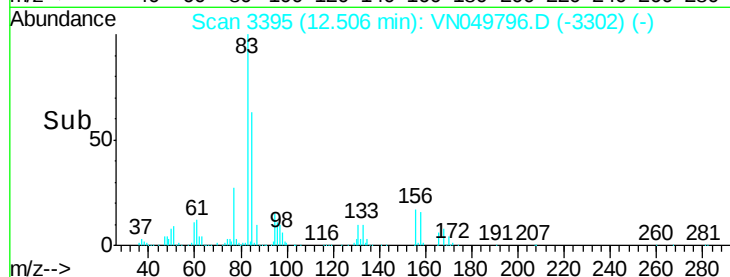
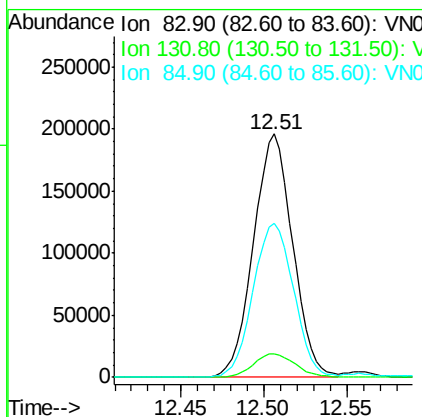
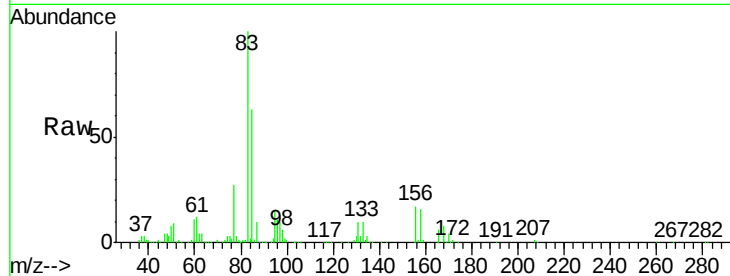
ClientSampleId :

VN0713WBS01

Tot Ion:	83	Resp:	322886
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	65.3	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.55 ug/l m

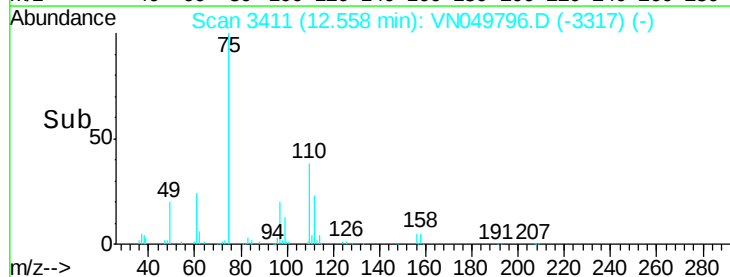
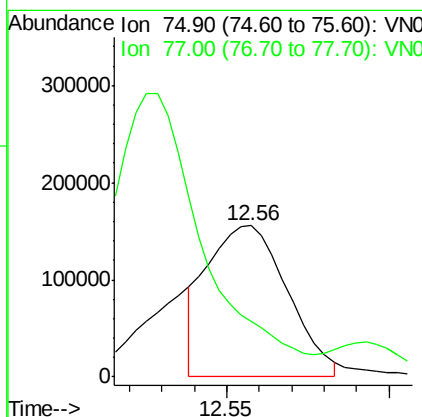
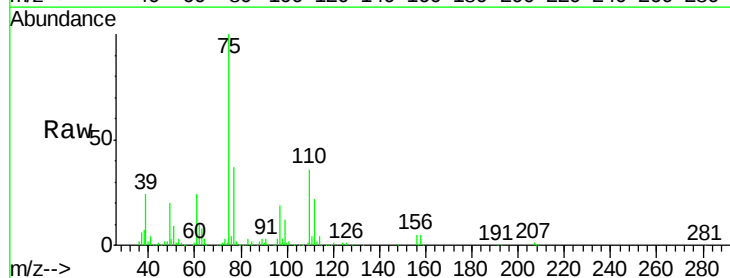
RT: 12.56 min Scan# 3411

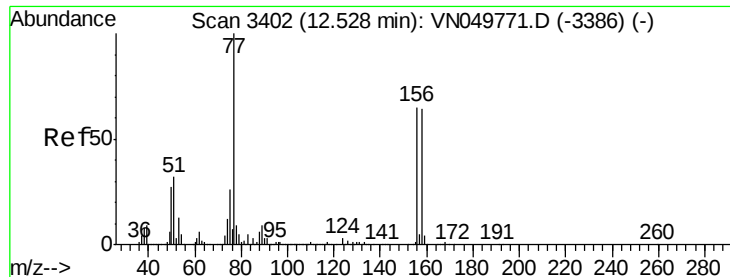
Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	75	Resp:	266650
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.48 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

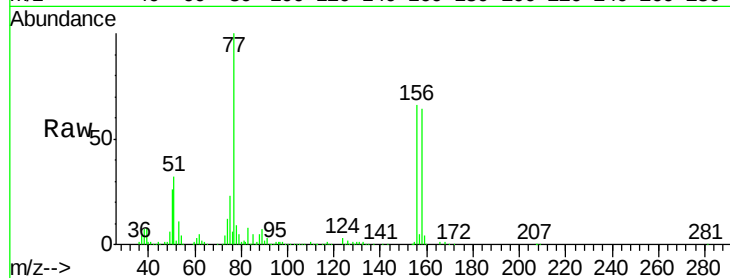
ClientSampleId :

VN0713WBS01

Tot Ion:	156	Resp:	329819
Ion Ratio	Lower	Upper	
156	100		
77	177.8	90.2	270.6
158	96.4	49.1	147.3

Manual Integrations
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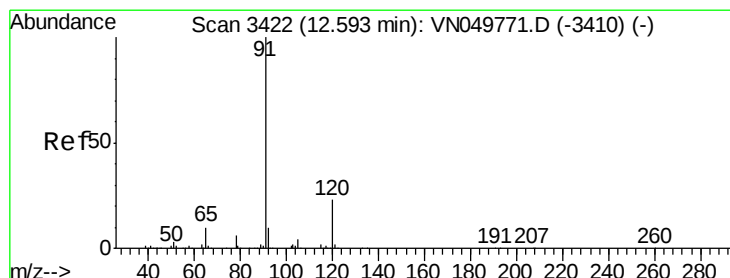
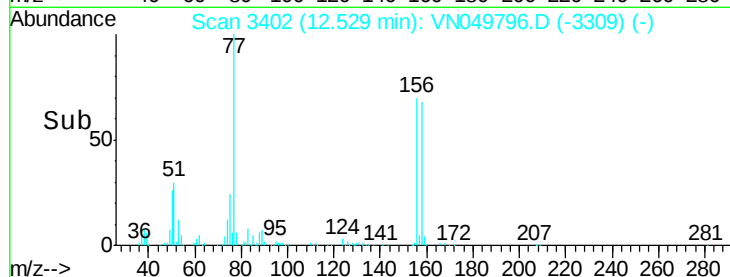
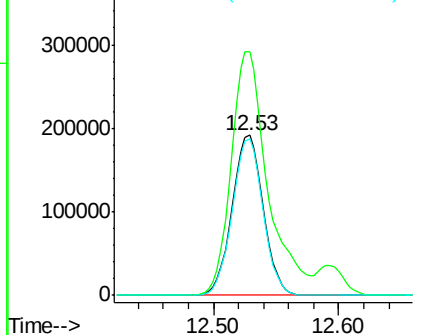
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.10 ug/l

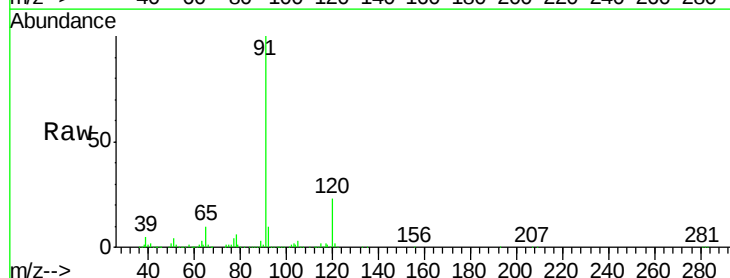
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049796.D

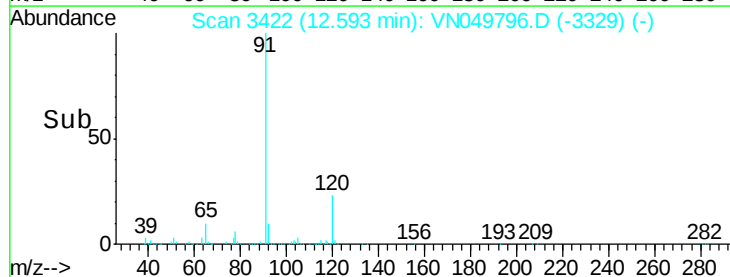
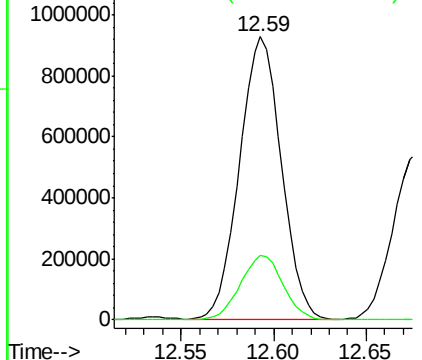
Acq: 13 Jul 2018 14:49

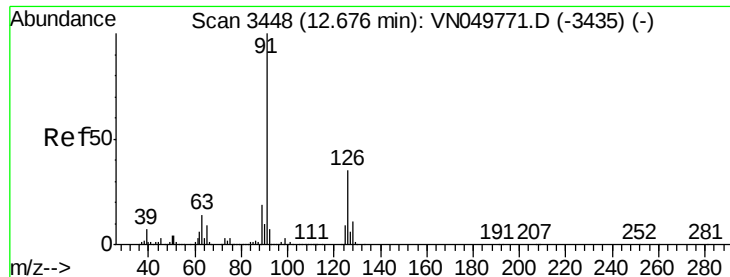
Tgt Ion:	91	Resp:	1444057
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





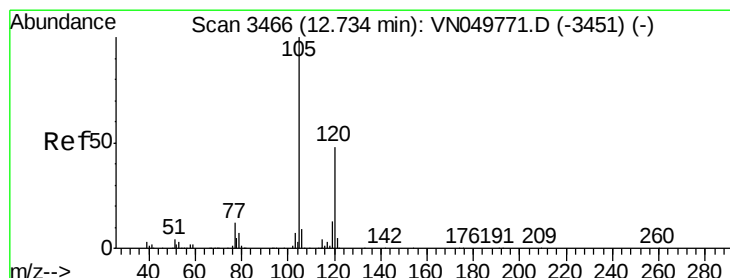
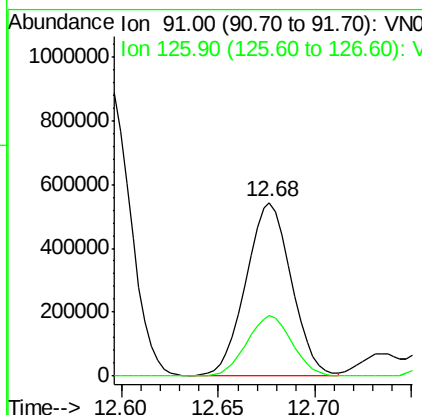
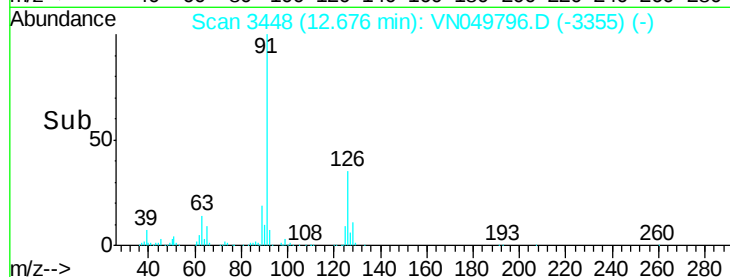
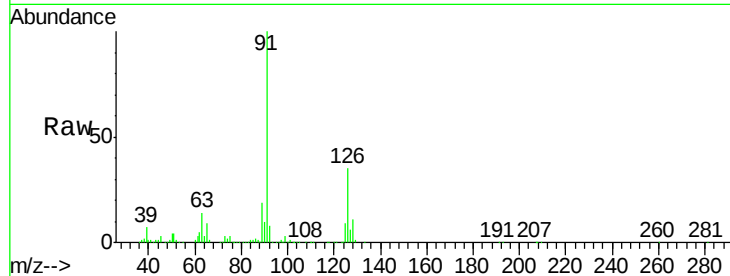
#79
 2-Chlorotoluene
 Concen: 21.05 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion: 91 Resp: 882034
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.5 52.5

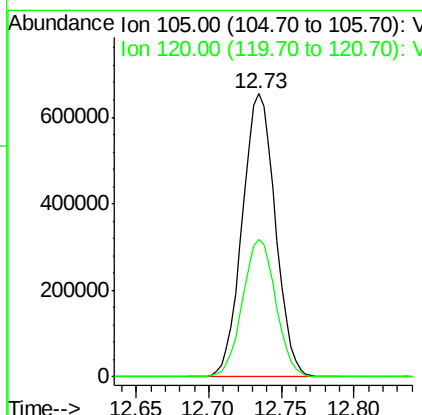
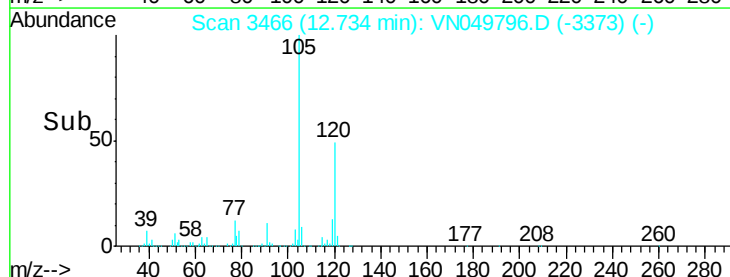
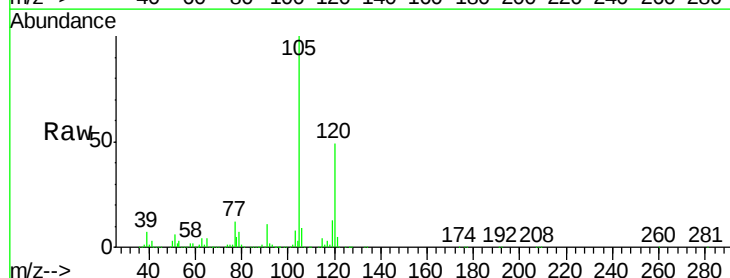
Manual Integrations
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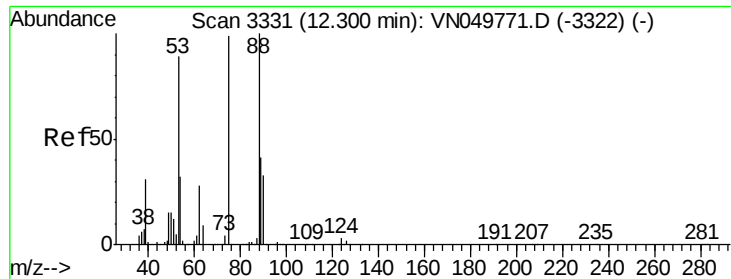
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.42 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion: 105 Resp: 1033408
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.8





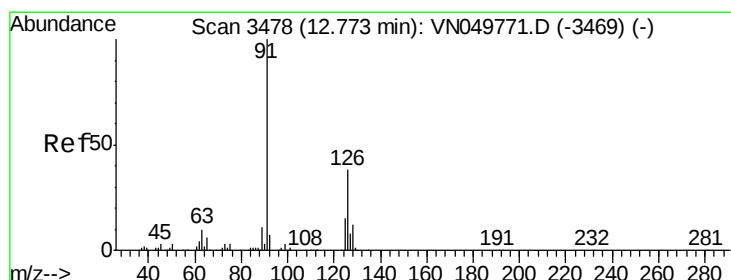
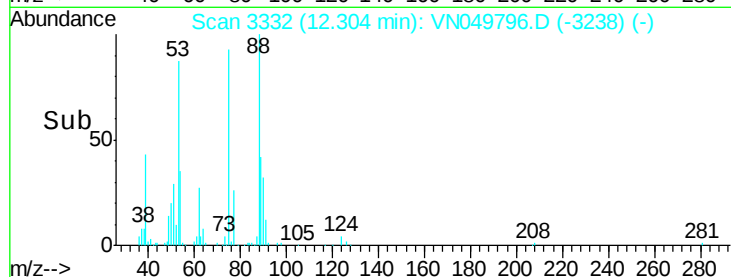
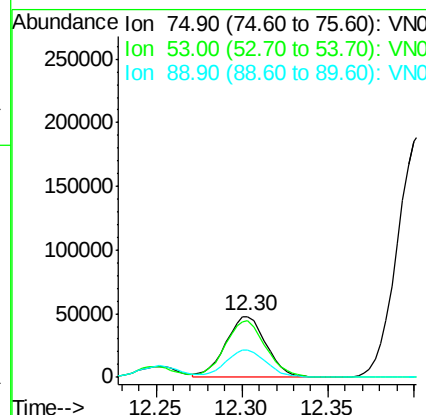
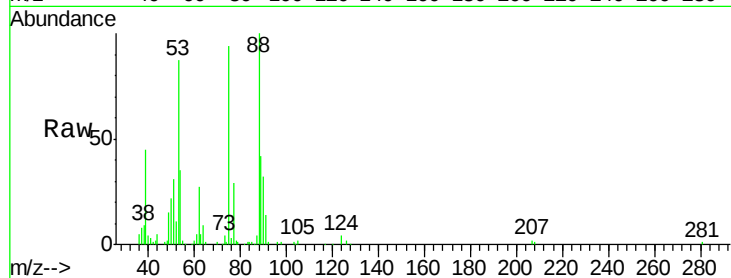
#81
trans-1,4-Dichloro-2-butene
Concen: 19.46 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	73.9	110.9
89	45.9	35.9	53.9

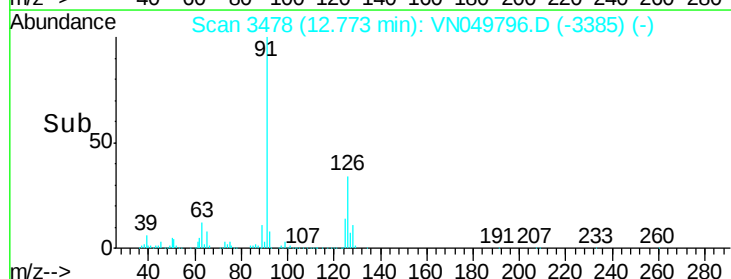
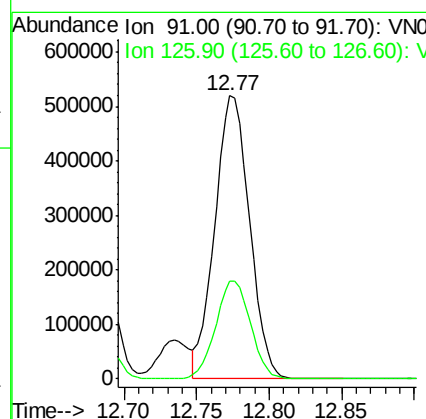
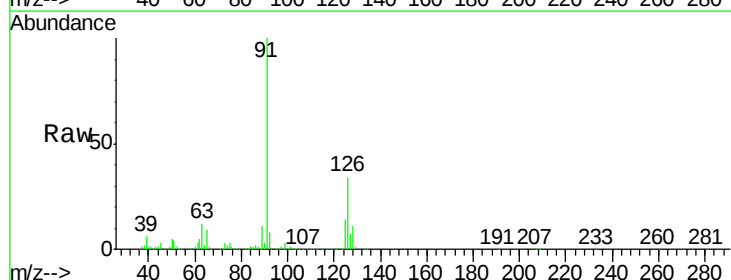
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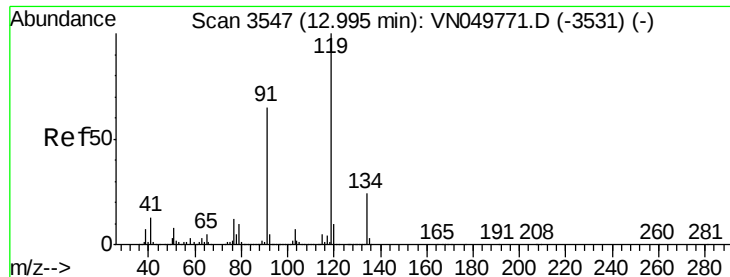
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#82
4-Chlorotoluene
Concen: 20.85 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.6





#83

tert-Butylbenzene

Concen: 20.91 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

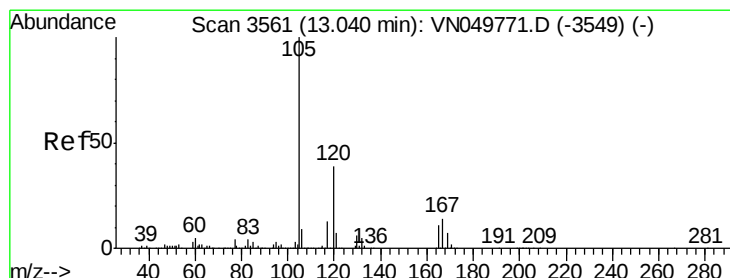
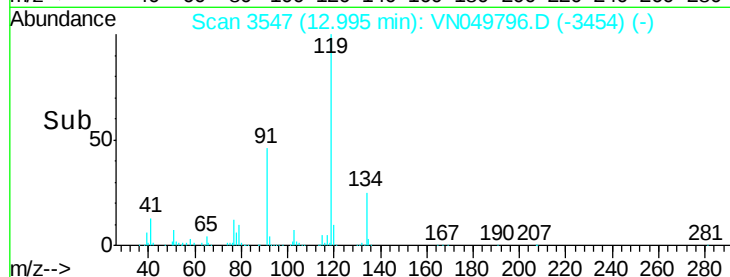
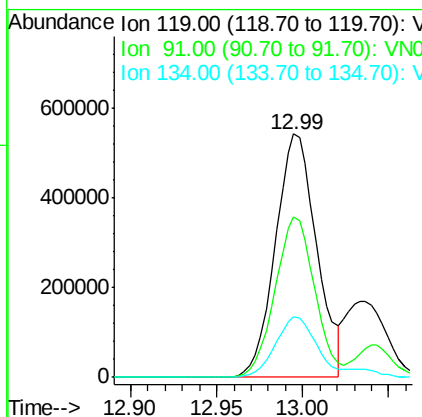
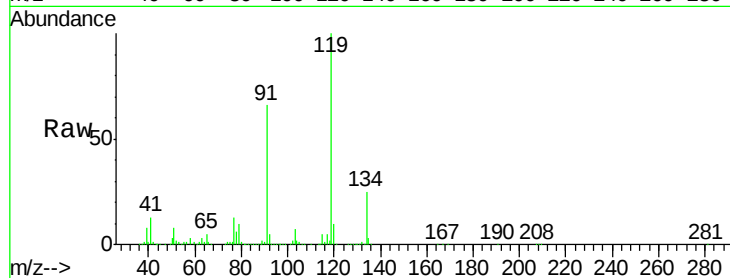
ClientSampleId :

VN0713WBS01

Tot Ion:	119	Resp:	902766
Ion Ratio	Lower	Upper	
119	100		
91	63.4	32.0	96.2
134	24.7	12.8	38.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.01 ug/l

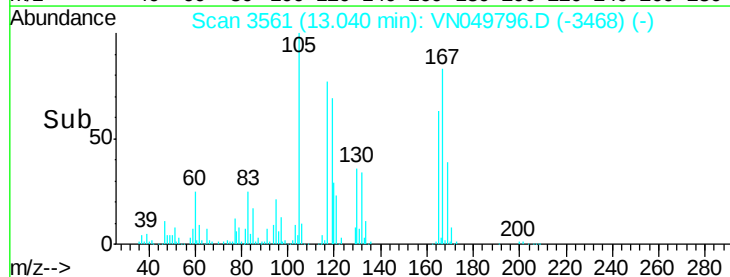
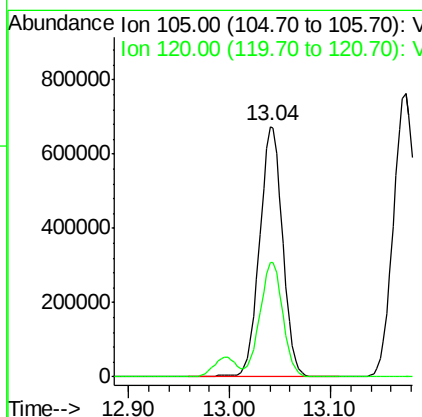
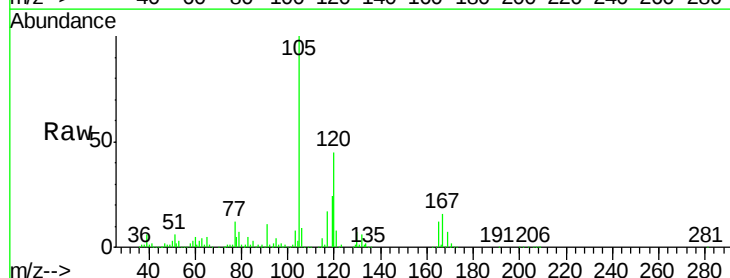
RT: 13.04 min Scan# 3561

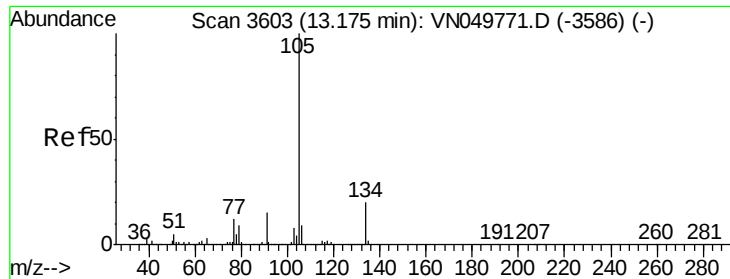
Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	105	Resp:	1065111
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.7	68.1





#85

sec-Butylbenzene

Concen: 21.39 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion:105 Resp: 1209927

Ion Ratio Lower Upper

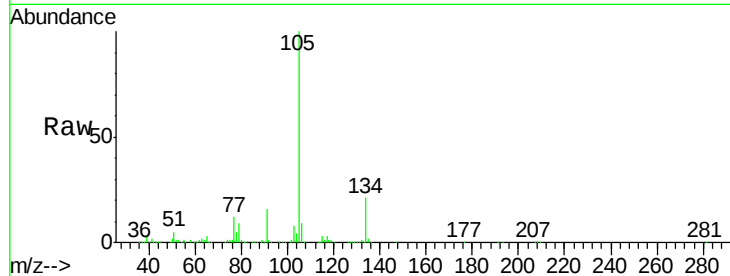
105 100

134 20.3 10.1 30.1

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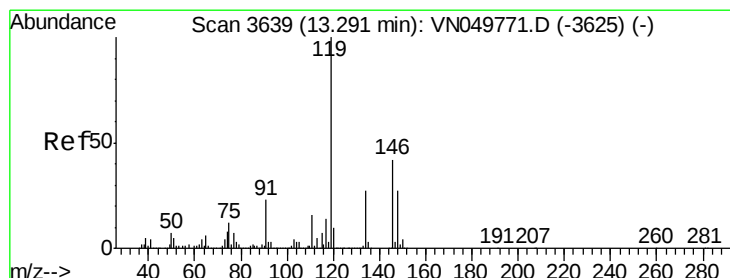
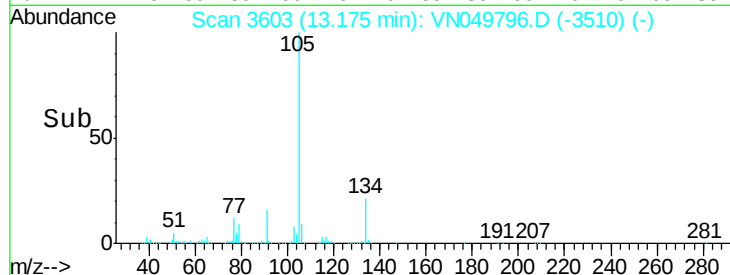
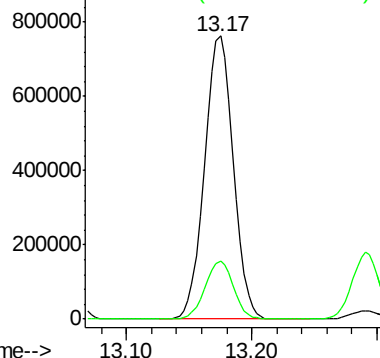
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.56 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

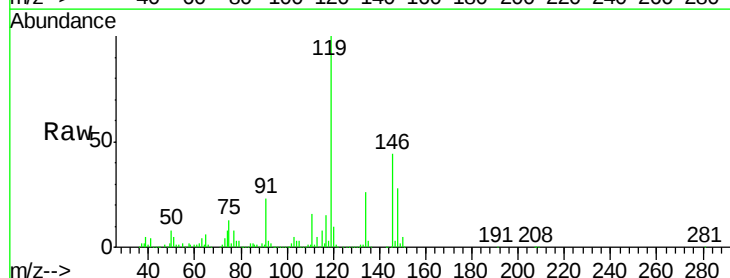
Tgt Ion:119 Resp: 1031953

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

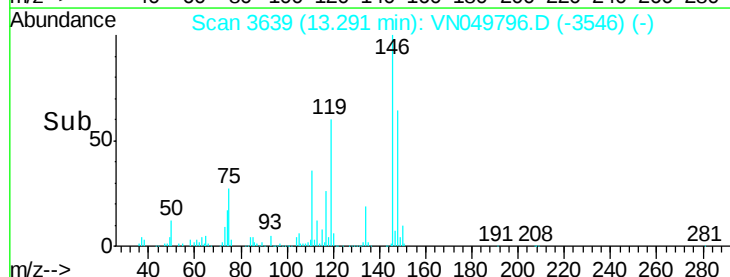
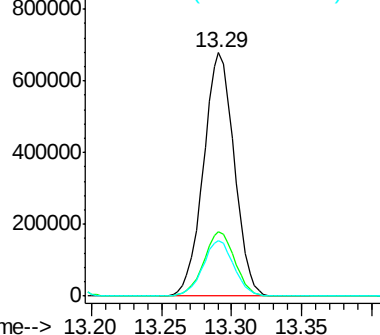
91 22.9 11.4 34.1

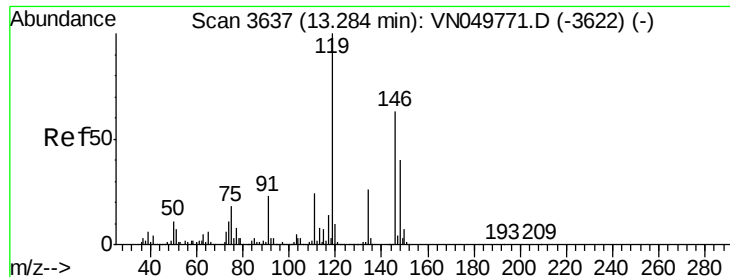


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.45 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049796.D

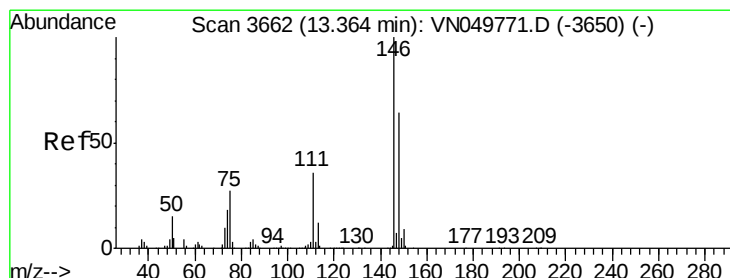
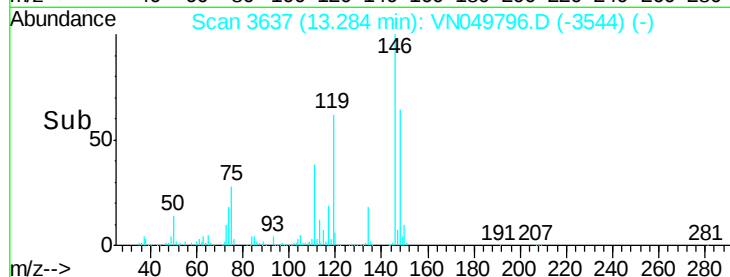
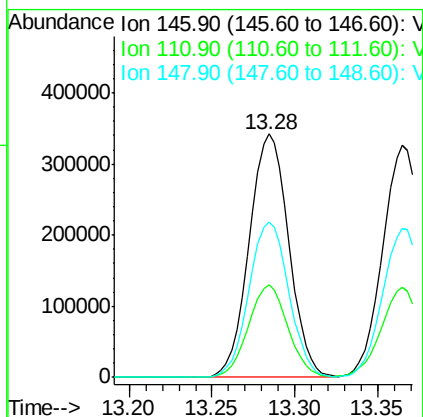
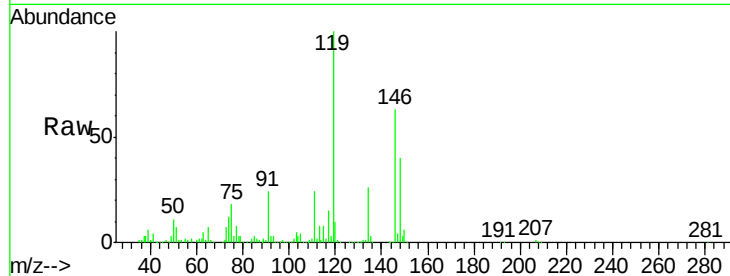
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.3	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.07 ug/l

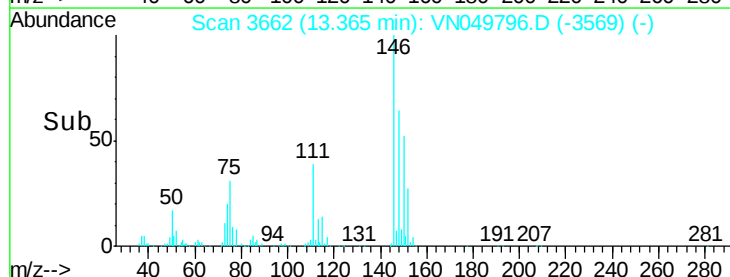
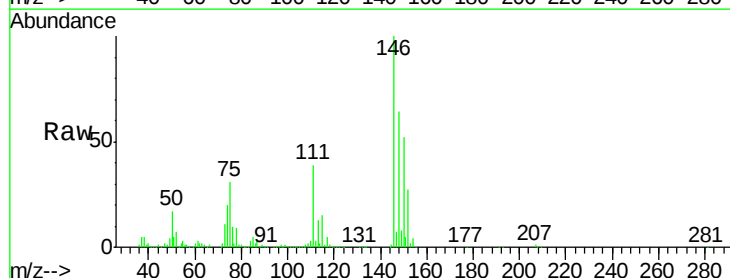
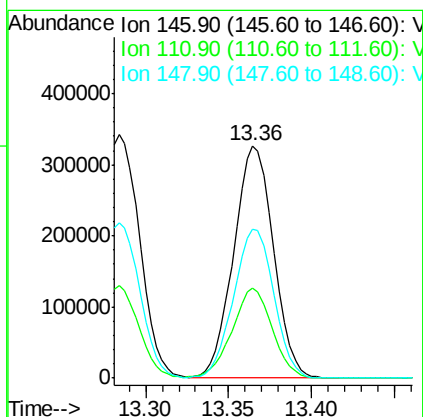
RT: 13.36 min Scan# 3662

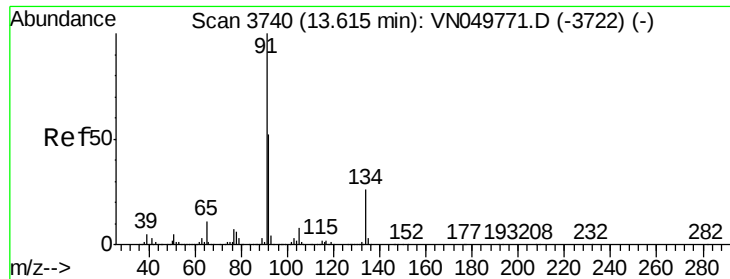
Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.8	32.1	96.3





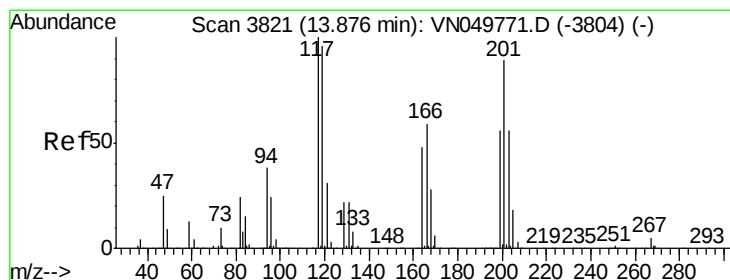
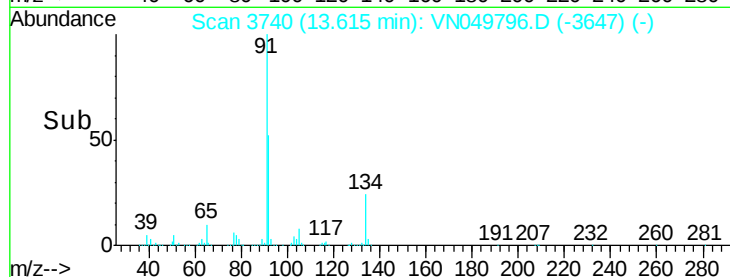
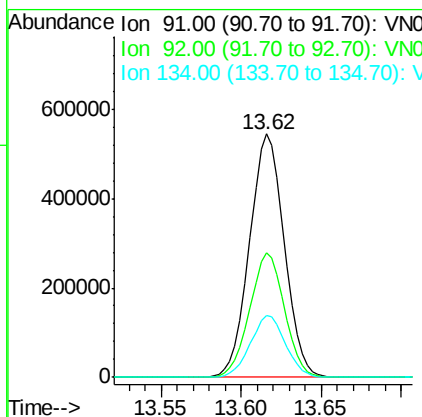
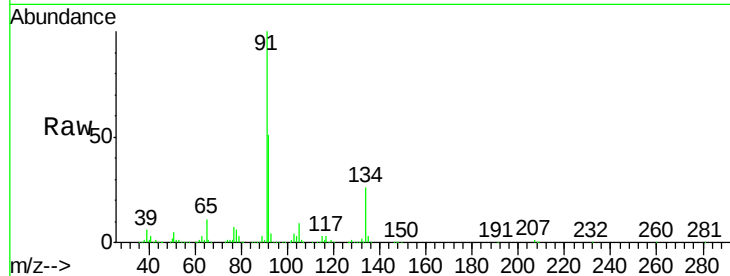
#89
n-Butylbenzene
Concen: 20.47 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.8	77.3
134	25.7	13.0	38.9

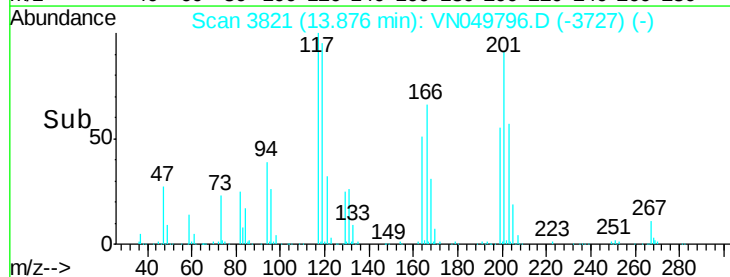
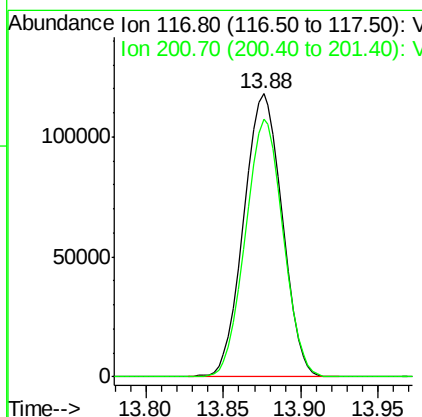
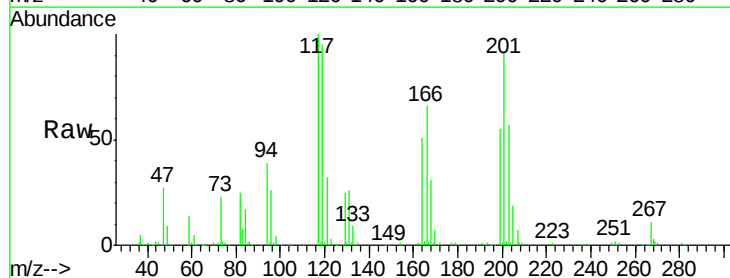
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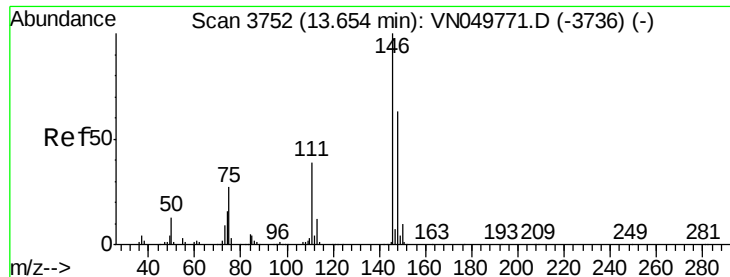
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#90
Hexachloroethane
Concen: 21.58 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	45.3	135.8





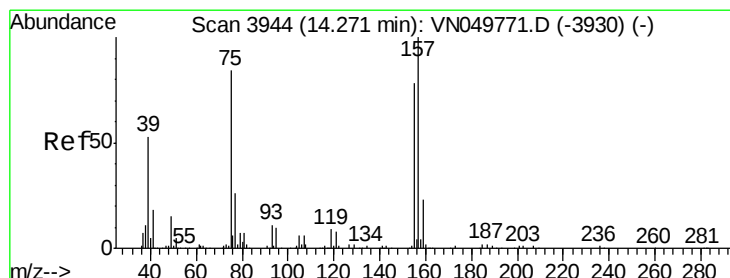
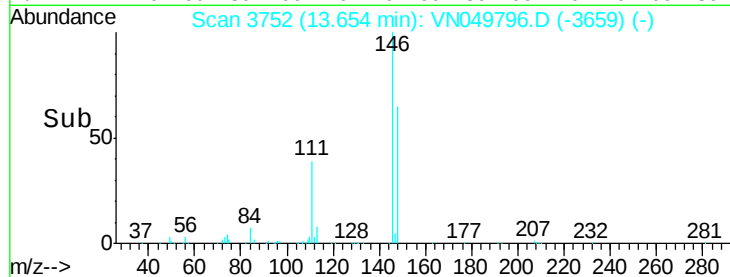
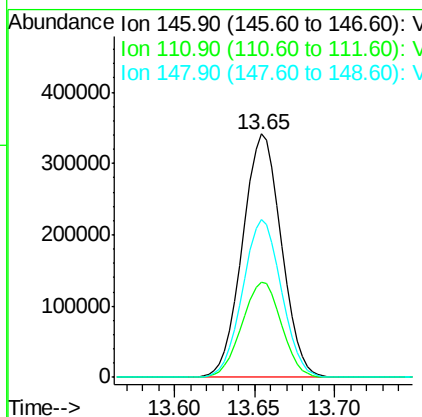
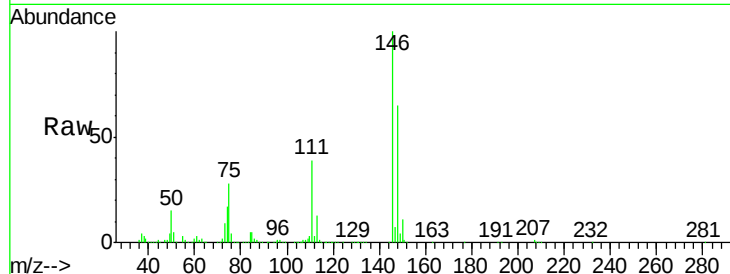
#91
 1,2-Dichlorobenzene
 Concen: 20.76 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	565663		
111	39.6	19.7	59.1	
148	64.7	32.0	96.2	

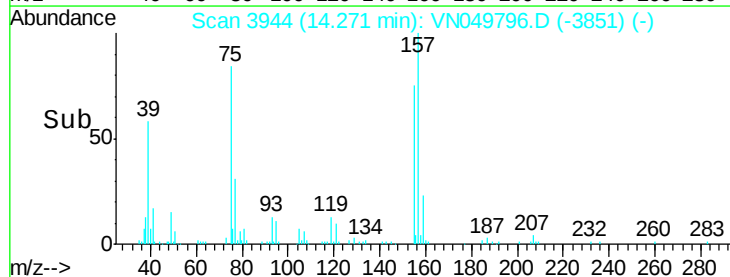
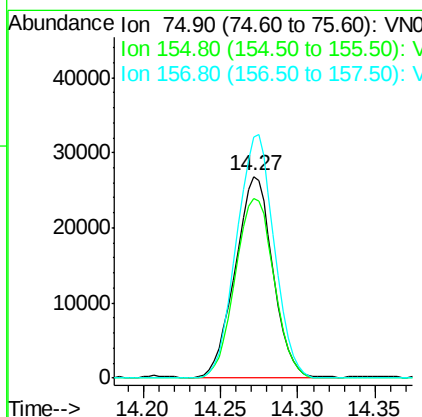
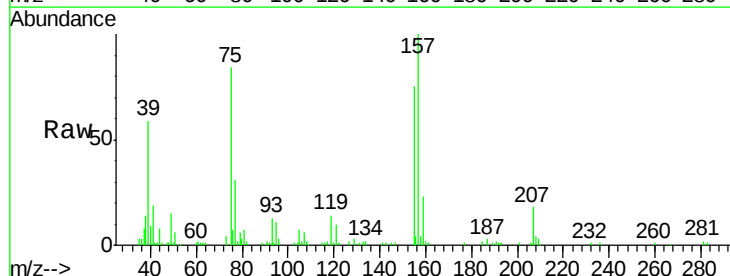
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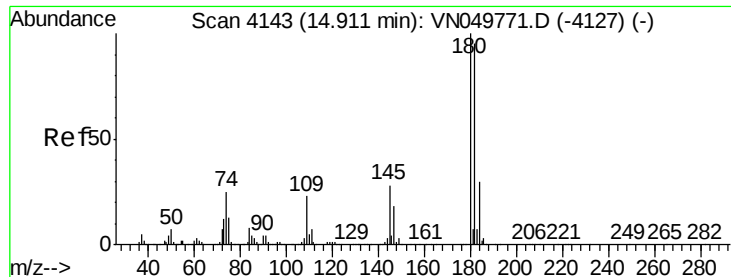
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.90 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45463		
155	91.6	45.7	137.1	
157	120.1	56.9	170.7	





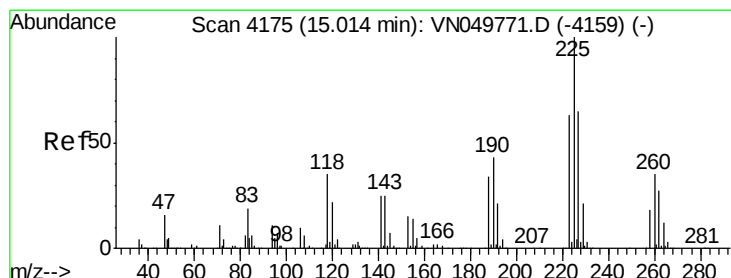
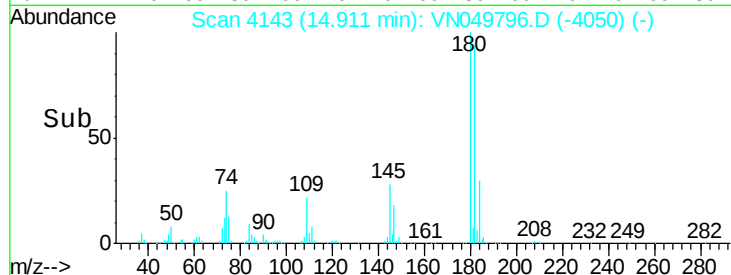
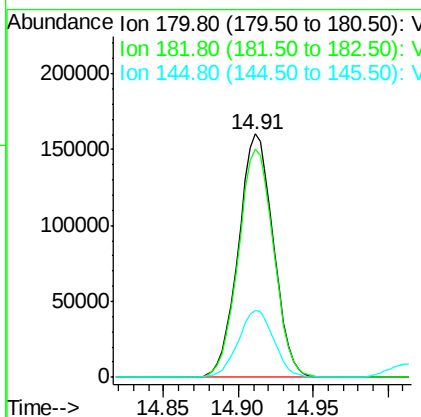
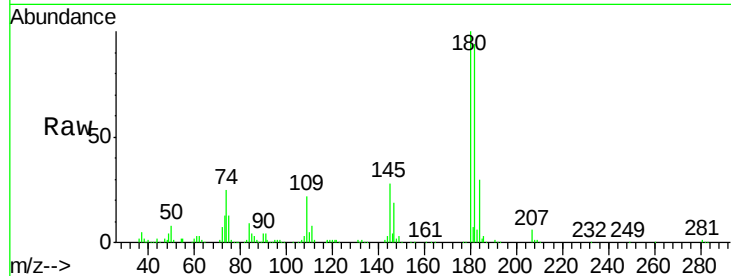
#93
 1,2,4-Trichlorobenzene
 Concen: 19.27 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	260269		
182	94.6	47.3	141.9	
145	28.2	14.4	43.0	

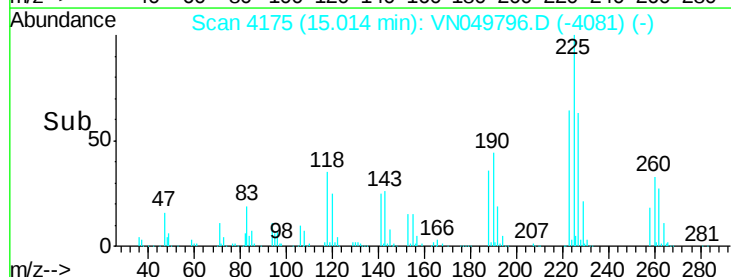
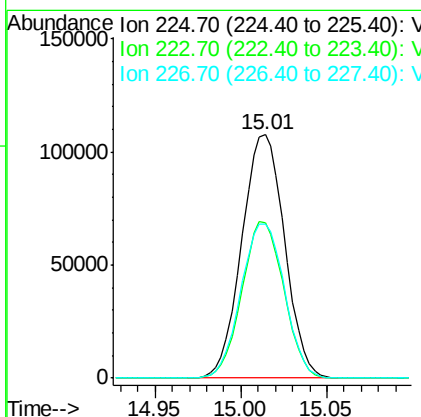
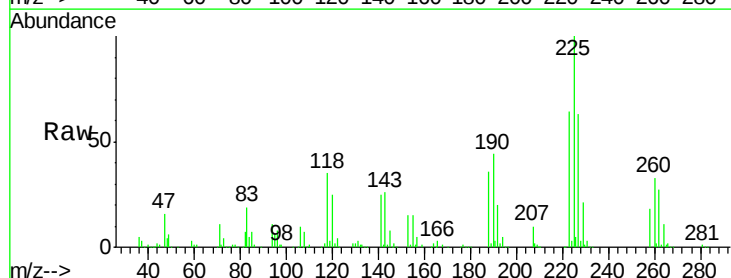
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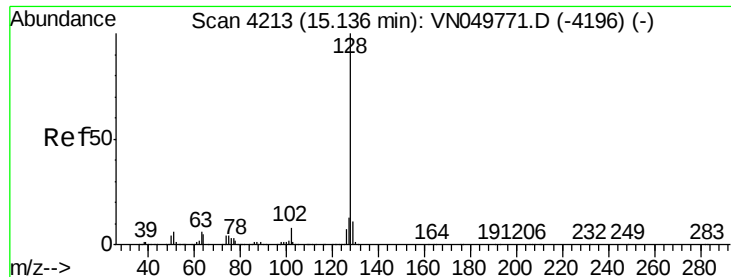
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#94
 Hexachlorobutadiene
 Concen: 21.63 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185509		
223	63.0	30.9	92.7	
227	64.5	31.8	95.4	





#95

Naphthalene

Concen: 18.36 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

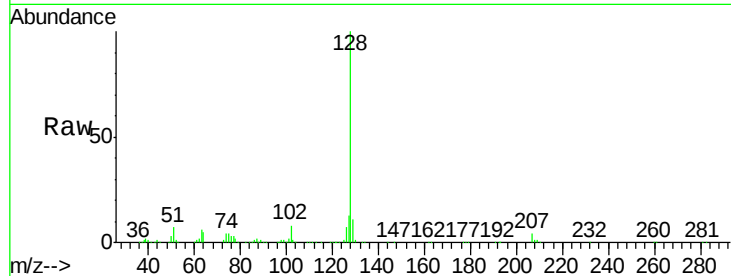
ClientSampleId :

VN0713WBS01

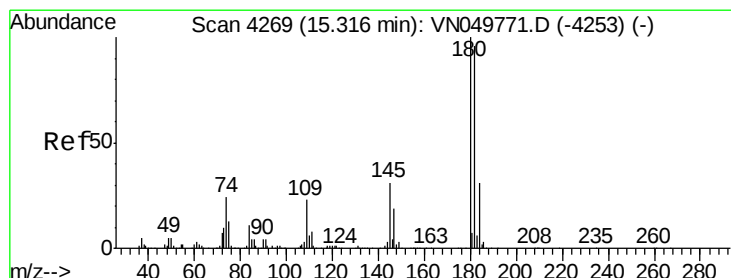
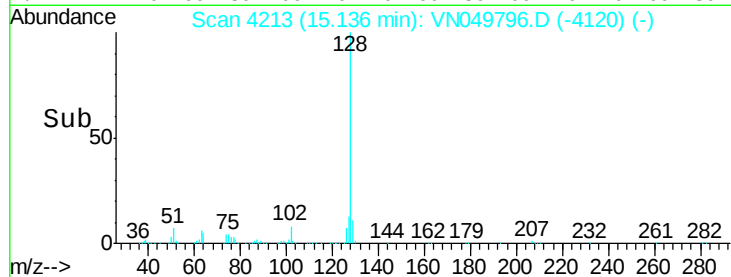
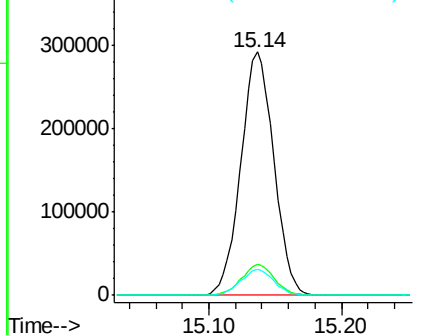
Tot Ion:	128	Resp:	503445
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.12 ug/l

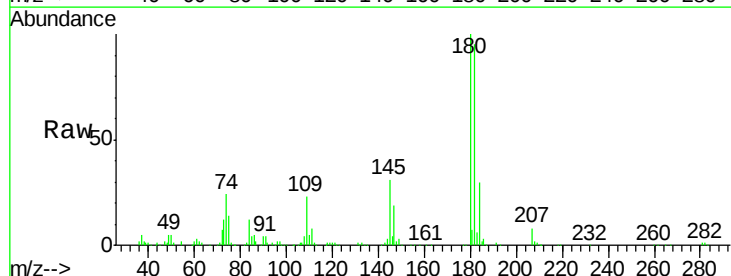
RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	180	Resp:	265985
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.4	142.2
145	30.8	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

