

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049984.D
 Acq On : 21 Jul 2018 2:39
 Operator : MD\SY
 Sample : VN0720WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 2:04:21 PM

Quant Time: Jul 21 05:33:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	544943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	758923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	383951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	404318	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	7.59	113	359872	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	1301941	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	426800	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93110	17.81	ug/l	93
3) Chloromethane	2.06	50	126154	16.96	ug/l	99
4) Vinyl Chloride	2.18	62	141264	17.81	ug/l	99
5) Bromomethane	2.57	94	83908	17.68	ug/l	94
6) Chloroethane	2.70	64	92433	17.84	ug/l	99
7) Trichlorofluoromethane	3.01	101	199244	18.27	ug/l	99
8) Diethyl Ether	3.41	74	72478	19.05	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	121999	18.14	ug/l	100
10) Methyl Iodide	3.95	142	133614	14.81	ug/l	98
11) Tert butyl alcohol	4.81	59	46454	87.06	ug/l	100
12) 1,1-Dichloroethene	3.73	96	106122	17.96	ug/l	99
13) Acrolein	3.61	56	21498	62.52	ug/l	91
14) Allyl chloride	4.32	41	169262	18.17	ug/l	99
15) Acrylonitrile	5.00	53	224682	95.74	ug/l	98
16) Acetone	3.82	43	166722	85.97	ug/l	96
17) Carbon Disulfide	4.05	76	273787	15.49	ug/l	98
18) Methyl Acetate	4.33	43	138424	22.26	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	321436	19.77	ug/l	99
20) Methylene Chloride	4.55	84	138266	18.75	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	114324	18.22	ug/l	97
22) Diisopropyl ether	5.96	45	397384	20.91	ug/l	99
23) Vinyl Acetate	5.90	43	1275903	95.68	ug/l	100
24) 1,1-Dichloroethane	5.85	63	240711	19.73	ug/l	100
25) 2-Butanone	6.85	43	250524	90.39	ug/l	98
26) 2,2-Dichloropropane	6.83	77	142267	14.99	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	136020	19.76	ug/l	97
28) Bromochloromethane	7.20	49	117479	21.32	ug/l	100
29) Tetrahydrofuran	7.22	42	165574	94.84	ug/l	99
30) Chloroform	7.37	83	251901	20.11	ug/l	100
31) Cyclohexane	7.65	56	180848	18.21	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	211801	19.56	ug/l	99
36) 1,1-Dichloropropene	7.79	75	171989	18.11	ug/l	99
37) Ethyl Acetate	6.94	43	116426	17.85	ug/l	98
38) Carbon Tetrachloride	7.77	117	184443	18.13	ug/l	96

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Quant Time: Jul 21 05:33:13 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157783	16.08	ug/l	97
40) Benzene	8.04	78	536768	18.54	ug/l	99
41) Methacrylonitrile	7.18	41	51272	15.68	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	179162	18.69	ug/l	99
43) Isopropyl Acetate	8.17	43	235596	20.68	ug/l	96
44) Trichloroethene	8.84	130	139835	18.42	ug/l	99
45) 1,2-Dichloropropane	9.12	63	146883	18.81	ug/l	98
46) Dibromomethane	9.21	93	89723	18.53	ug/l	98
47) Bromodichloromethane	9.40	83	191853	19.15	ug/l	99
48) Methyl methacrylate	9.20	41	101926	17.83	ug/l	99
49) 1,4-Dioxane	9.20	88	27295	336.63	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	593945	93.25	ug/l	99
52) Toluene	10.16	92	327089	18.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	173700	17.54	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	198041	18.09	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	129986	18.22	ug/l	99
56) Ethyl methacrylate	10.43	69	150359	17.18	ug/l	98
57) 1,3-Dichloropropane	10.71	76	210770	18.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	373185	89.40	ug/l	99
59) 2-Hexanone	10.75	43	377507	88.24	ug/l	98
60) Dibromochloromethane	10.90	129	144217	18.44	ug/l	100
61) 1,2-Dibromoethane	11.01	107	122233	18.34	ug/l	98
64) Tetrachloroethene	10.63	164	135193	19.82	ug/l	99
65) Chlorobenzene	11.44	112	359051	18.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	141537	19.16	ug/l	100
67) Ethyl Benzene	11.51	91	576790	18.65	ug/l	99
68) m/p-Xylenes	11.63	106	451902	38.59	ug/l	98
69) o-Xylene	11.95	106	214105	19.04	ug/l	100
70) Styrene	11.97	104	355888	19.54	ug/l	100
71) Bromoform	12.13	173	99885	18.90	ug/l #	99
73) Isopropylbenzene	12.25	105	571608	19.60	ug/l	100
74) N-amyl acetate	12.07	43	164433	18.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	165088	18.89	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	137920m	19.15	ug/l	
77) Bromobenzene	12.53	156	155084	19.26	ug/l	98
78) n-propylbenzene	12.59	91	651480	19.65	ug/l	100
79) 2-Chlorotoluene	12.68	91	406722	19.98	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	471886	20.19	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36120	15.68	ug/l	95
82) 4-Chlorotoluene	12.78	91	405257	19.84	ug/l	100
83) tert-Butylbenzene	12.99	119	404145	19.69	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	484496	20.46	ug/l	100
85) sec-Butylbenzene	13.17	105	545724	20.12	ug/l	100
86) p-Isopropyltoluene	13.29	119	458416	19.82	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	264569	18.85	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	258547	18.38	ug/l	100
89) n-Butylbenzene	13.62	91	344660	18.05	ug/l	98
90) Hexachloroethane	13.88	117	94591	18.22	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	269225	19.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24025	17.80	ug/l	97

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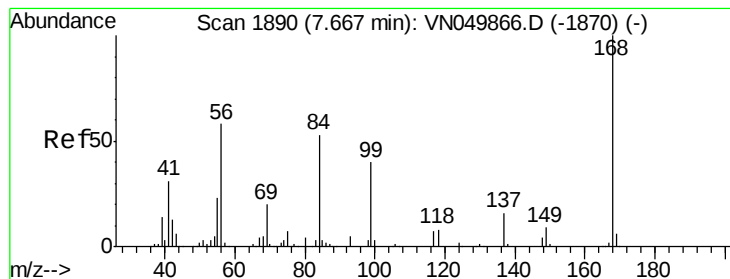
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	107947	16.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	79437	17.57	ug/l	97
95) Naphthalene	15.14	128	224063	15.71	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	117239	17.71	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

Tot Ion:168 Resp: 544943

Ion Ratio Lower Upper

168 100

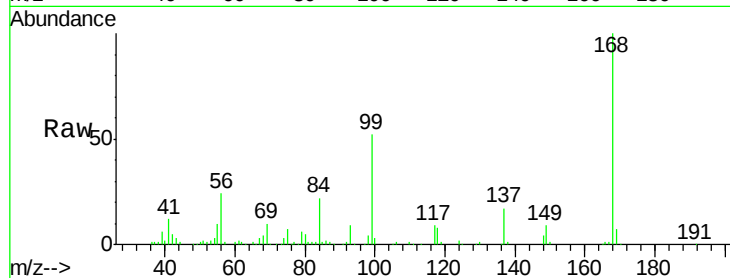
99 51.5 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

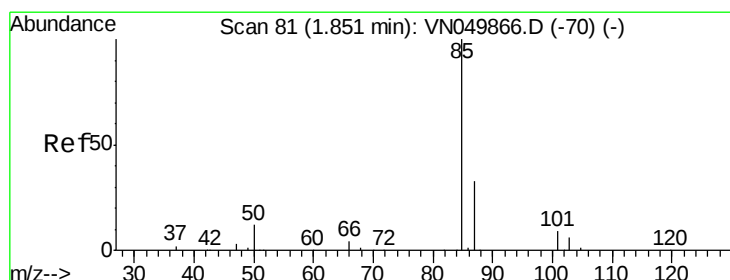
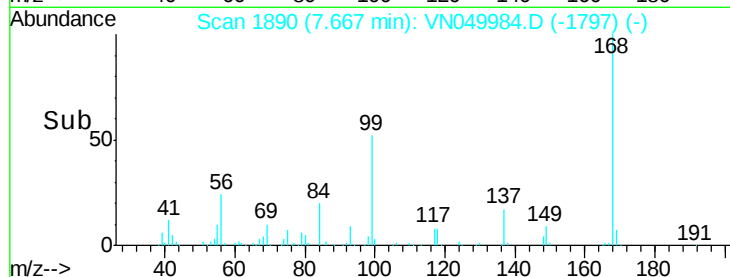
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.81 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049984.D

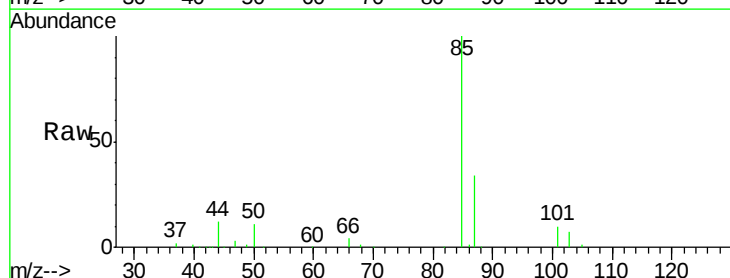
Acq: 21 Jul 2018 2:39

Tgt Ion: 85 Resp: 93110

Ion Ratio Lower Upper

85 100

87 34.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

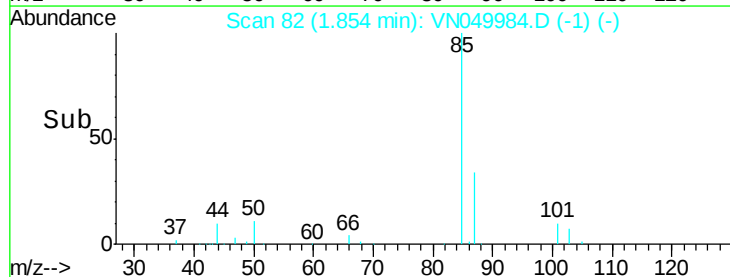
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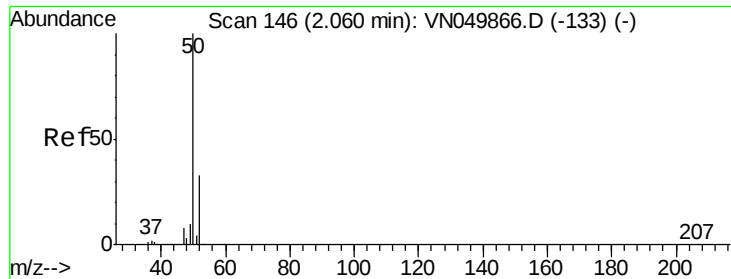
40000

20000

0

Time-->





#3

Chloromethane

Concen: 16.96 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

Tot Ion: 50 Resp: 126154

Ion Ratio Lower Upper

50 100

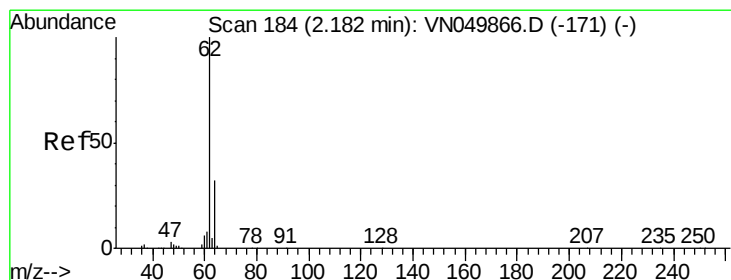
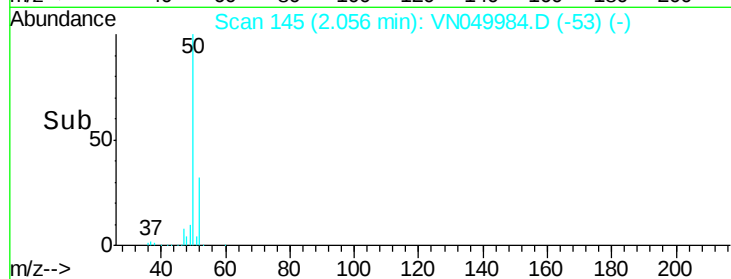
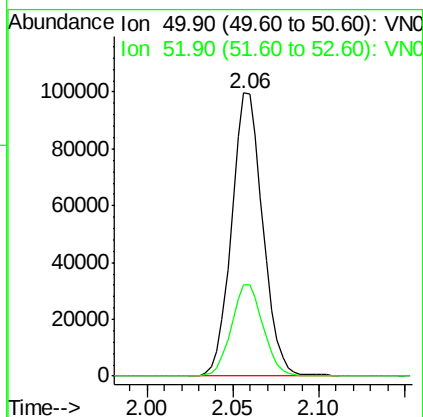
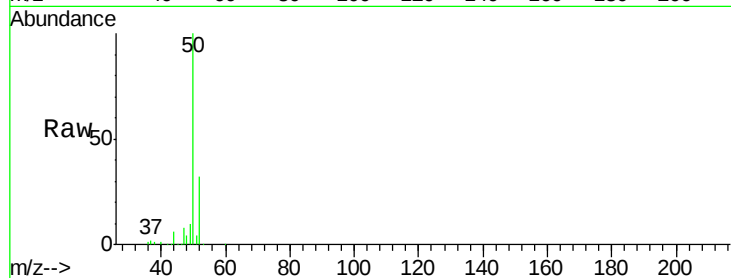
52 32.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.81 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049984.D

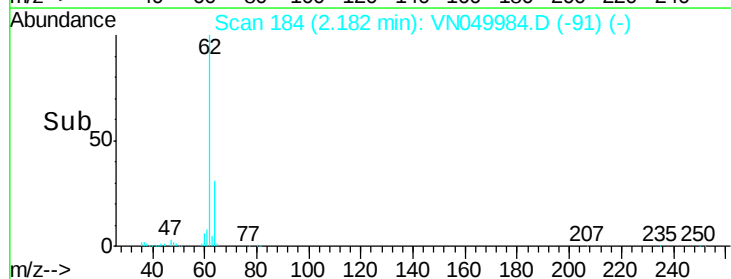
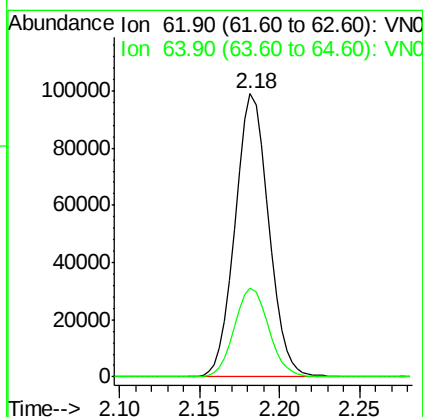
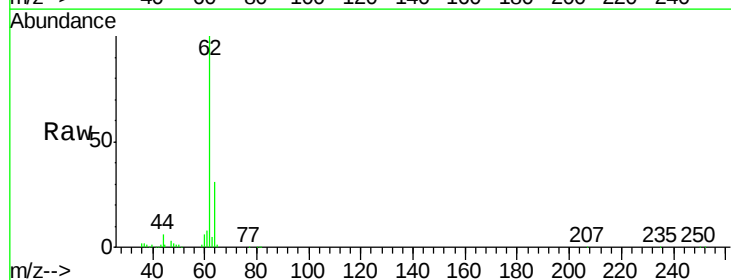
Acq: 21 Jul 2018 2:39

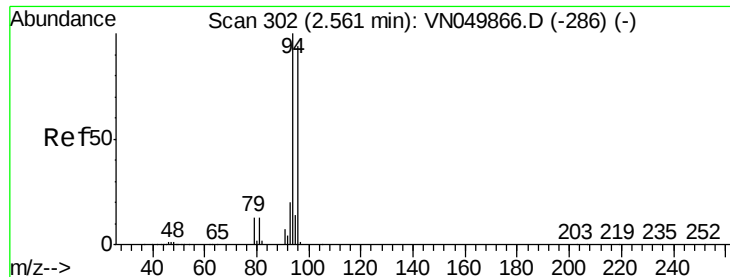
Tgt Ion: 62 Resp: 141264

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 17.68 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

Tot Ion: 94 Resp: 83908

Ion Ratio Lower Upper

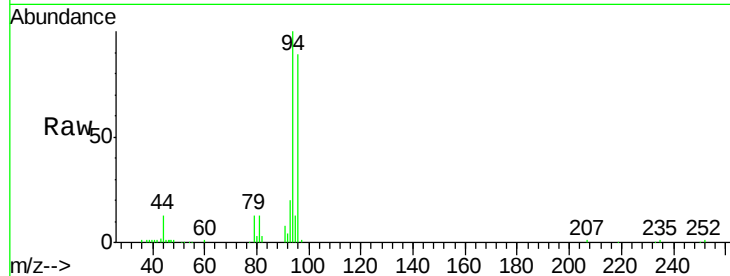
94 100

96 89.0 75.7 113.5

Manual Integrations
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7/23/2018 2:04:21 PM

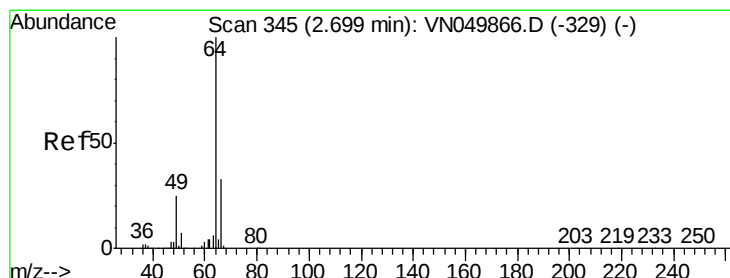
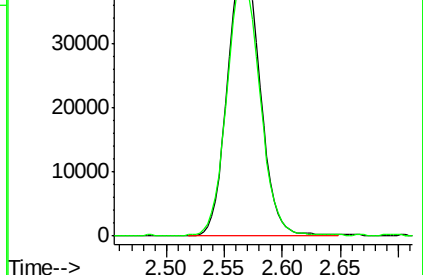
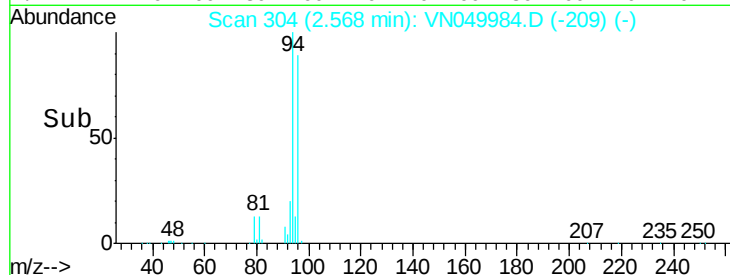


Abundance Ion 93.90 (93.60 to 94.60): VN049984.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049984.D (-209) (-)

2.57

Time-->



#6

Chloroethane

Concen: 17.84 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049984.D

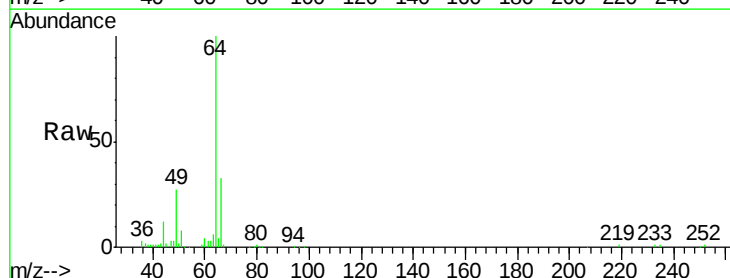
Acq: 21 Jul 2018 2:39

Tgt Ion: 64 Resp: 92433

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4

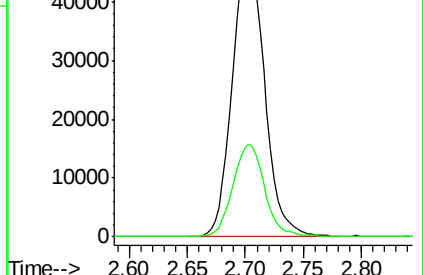
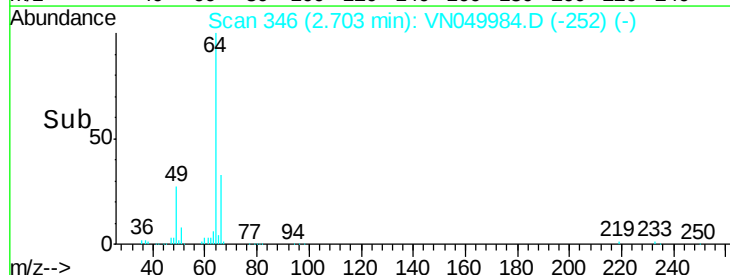


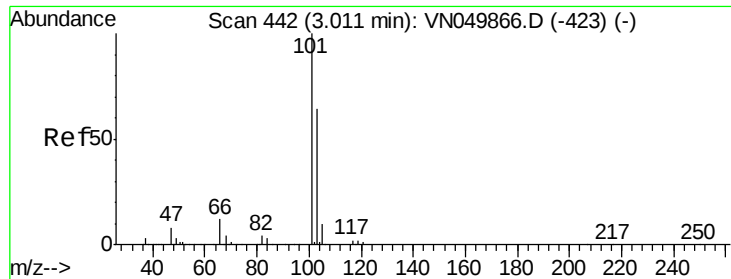
Abundance Ion 63.90 (63.60 to 64.60): VN049984.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN049984.D (-252) (-)

2.70

Time-->





#7

Trichlorofluoromethane

Concen: 18.27 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

Tot Ion:101 Resp: 199244

Ion Ratio Lower Upper

101 100

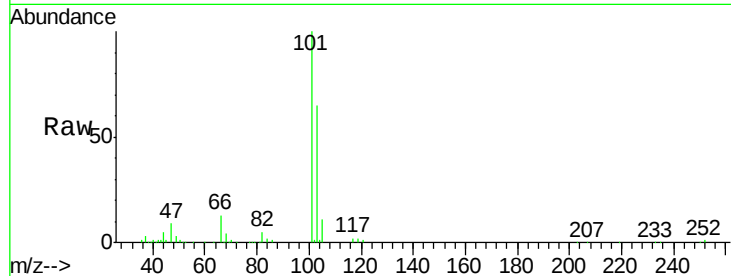
103 65.3 52.8 79.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

100000

80000

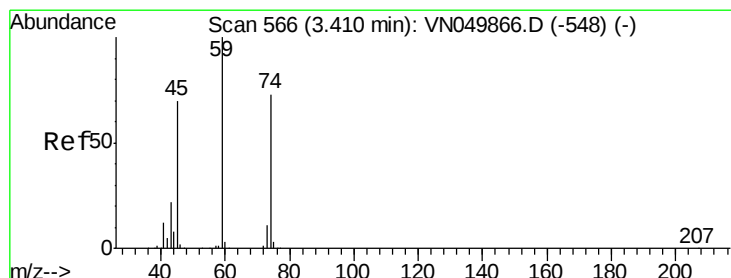
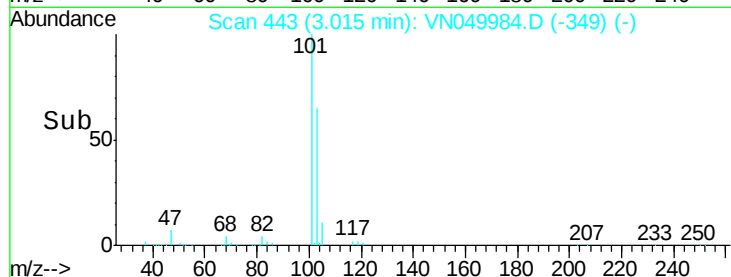
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 19.05 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049984.D

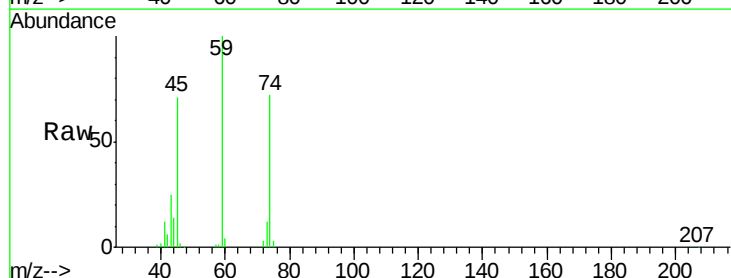
Acq: 21 Jul 2018 2:39

Tgt Ion: 74 Resp: 72478

Ion Ratio Lower Upper

74 100

45 96.2 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

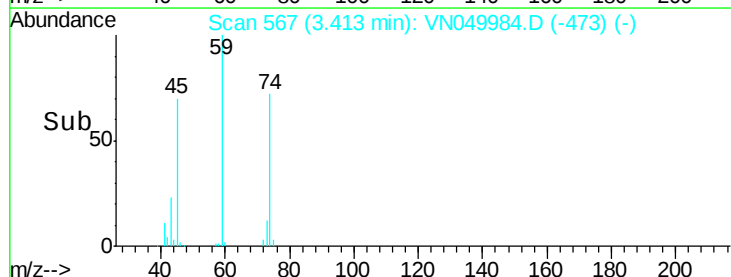
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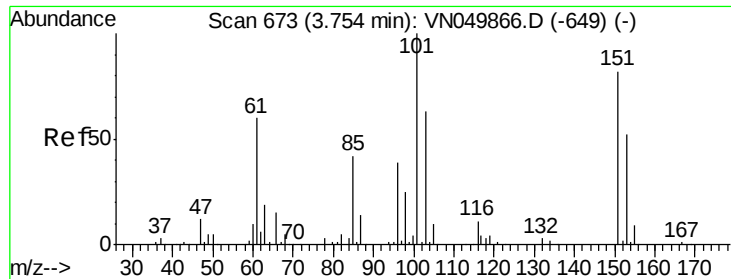
20000

10000

0

Time--> 3.35 3.40 3.45 3.50





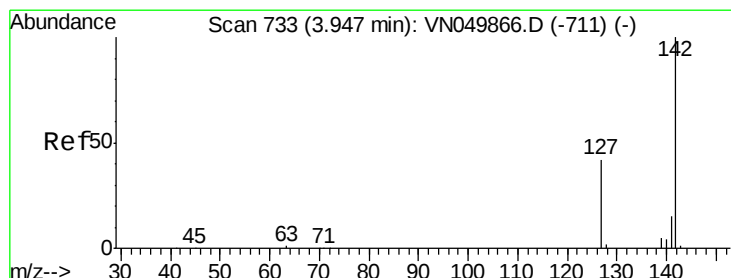
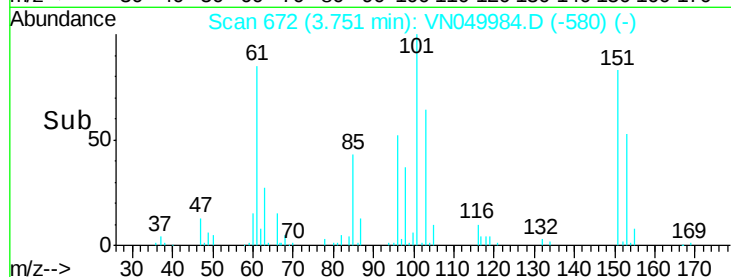
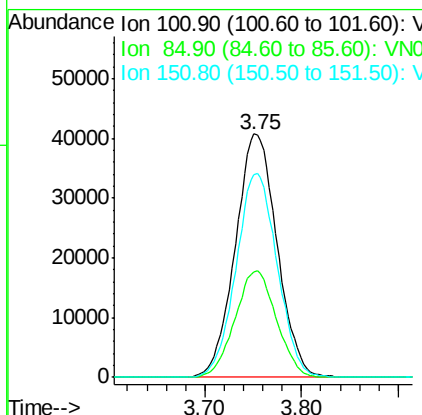
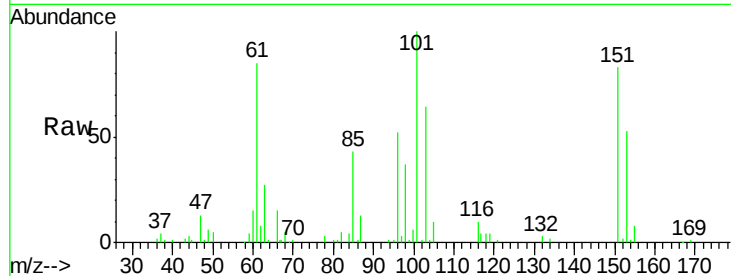
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.14 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS02

Tot Ion:	101	Resp:	121999
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.4	51.6
151	82.6	66.2	99.4

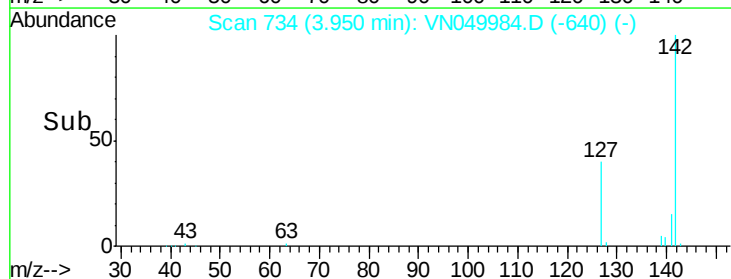
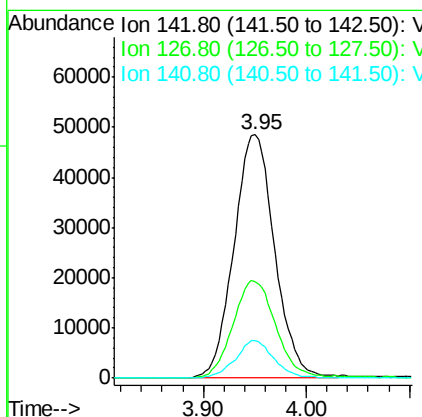
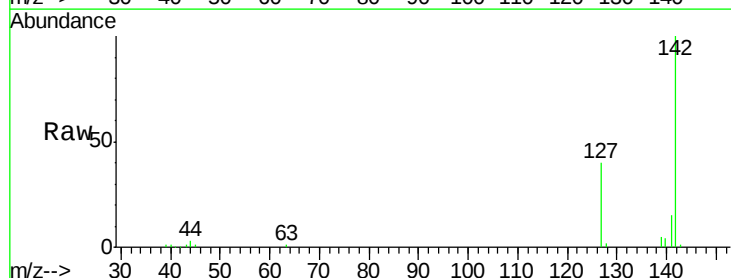
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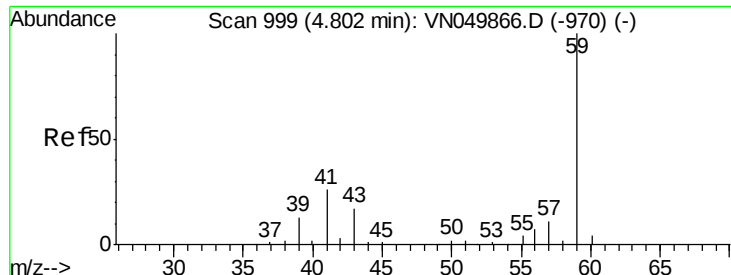
MMDadoda
 7/23/2018 2:04:21 PM



#10
 Methyl Iodide
 Concen: 14.81 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion:	142	Resp:	133614
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.5	48.7
141	14.6	11.1	16.7





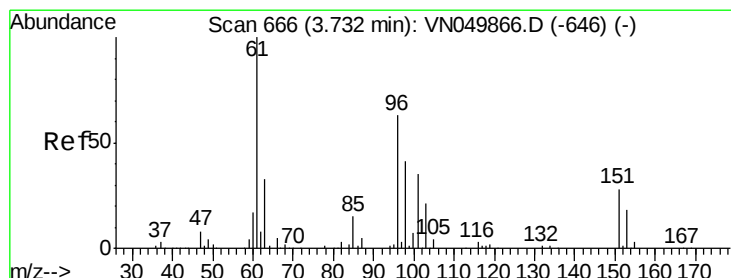
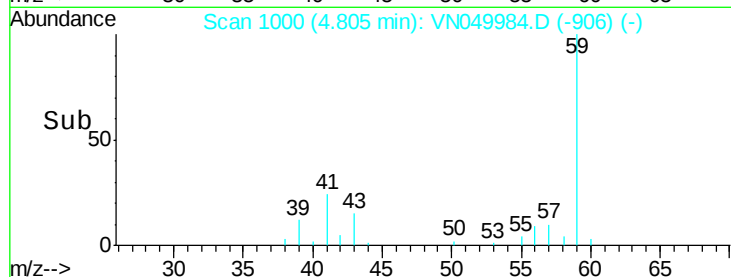
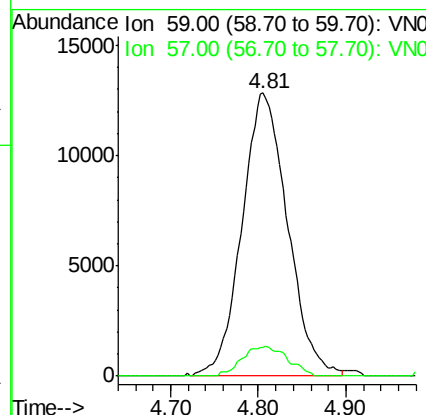
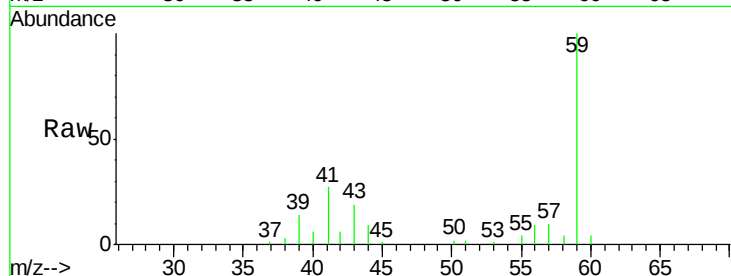
#11
Tert butyl alcohol
Concen: 87.06 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

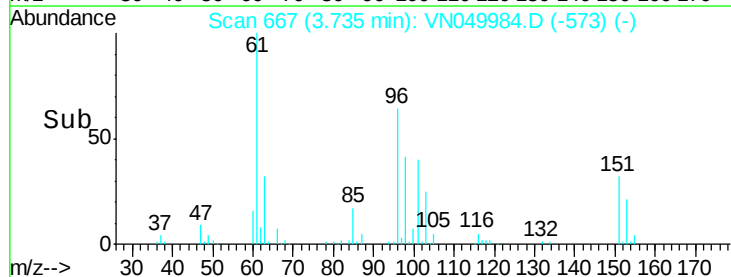
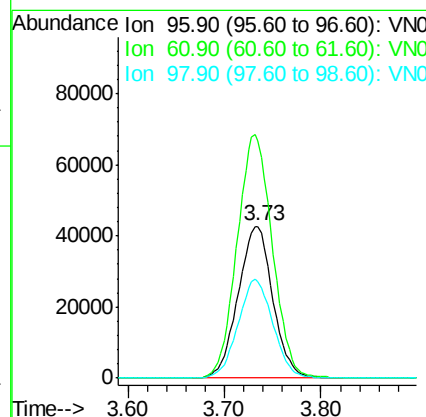
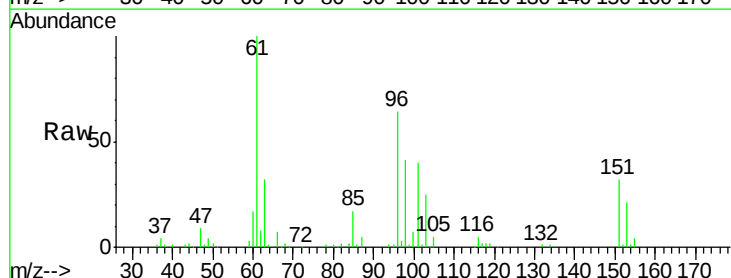
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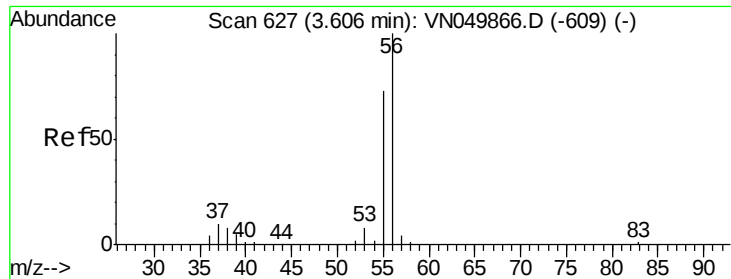
MMDadoda
7/23/2018 2:04:21 PM



#12
1,1-Dichloroethene
Concen: 17.96 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	126.5	189.7
98	63.4	51.0	76.6





#13

Acrolein

Concen: 62.52 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

Tot Ion: 56 Resp: 21498

Ion Ratio Lower Upper

56 100

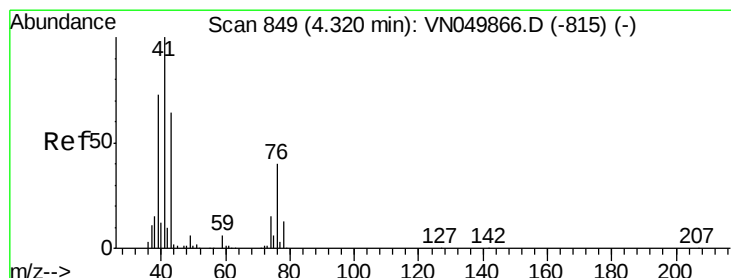
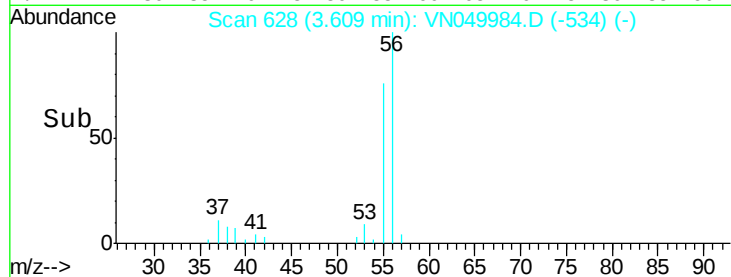
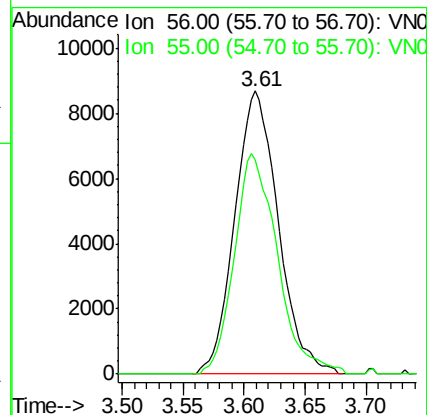
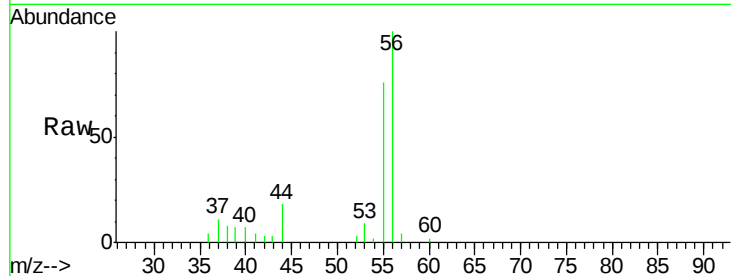
55 77.2 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.17 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

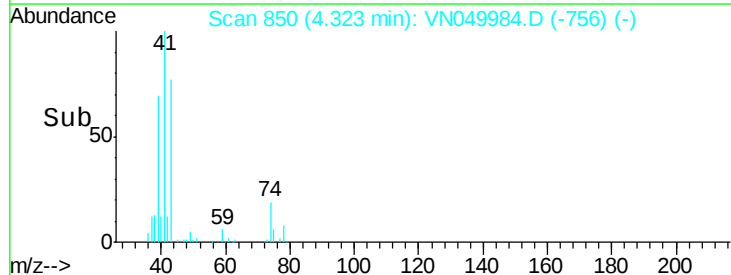
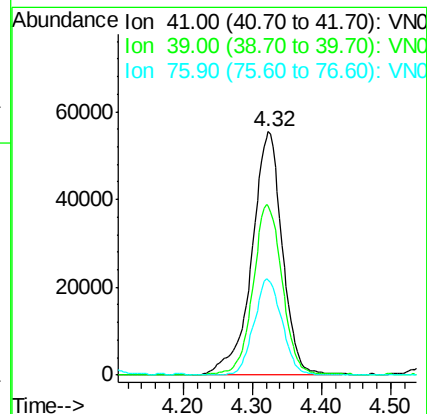
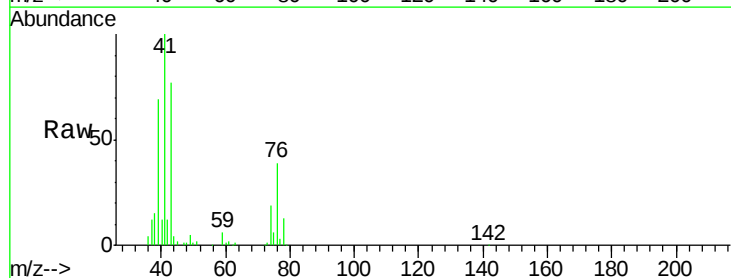
Tgt Ion: 41 Resp: 169262

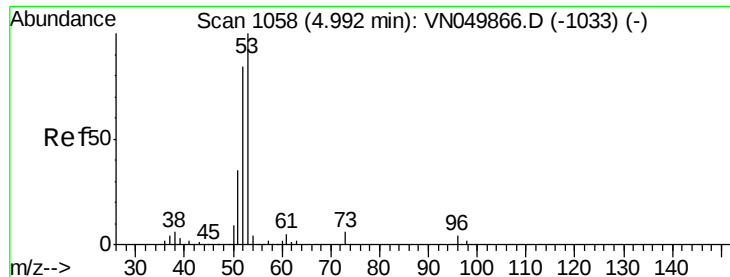
Ion Ratio Lower Upper

41 100

39 67.2 53.2 79.8

76 36.2 29.0 43.6





#15

Acrylonitrile

Concen: 95.74 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

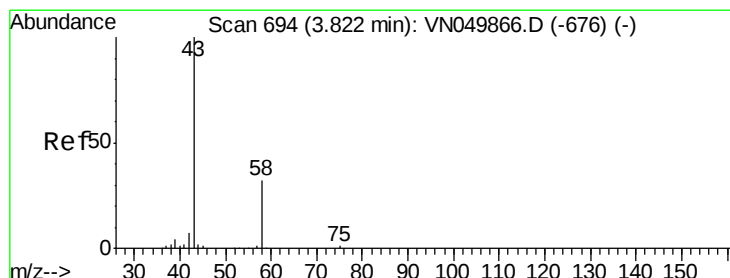
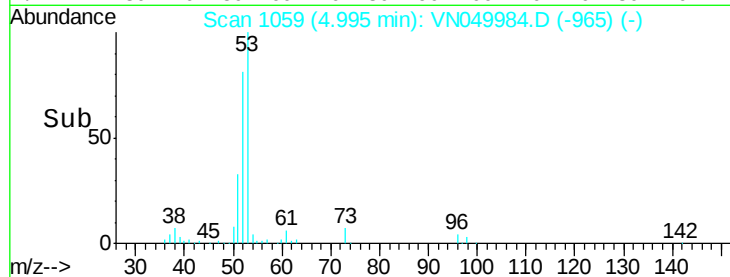
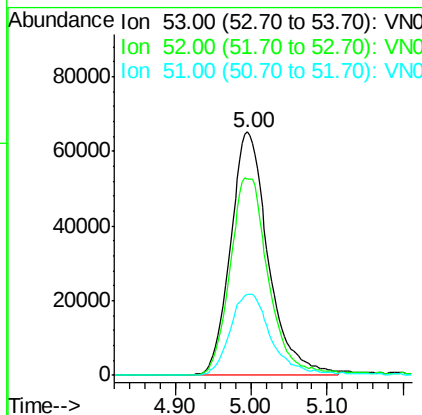
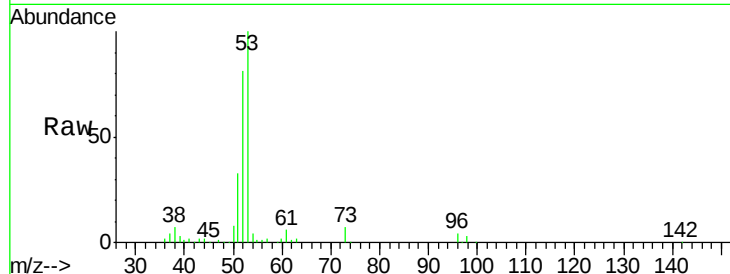
ClientSampled :

VN0720WBS02

Tot Ion:	53	Resp:	224682
Ion Ratio	Lower	Upper	
53	100		
52	82.7	64.8	97.2
51	36.5	28.9	43.3

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#16

Acetone

Concen: 85.97 ug/l

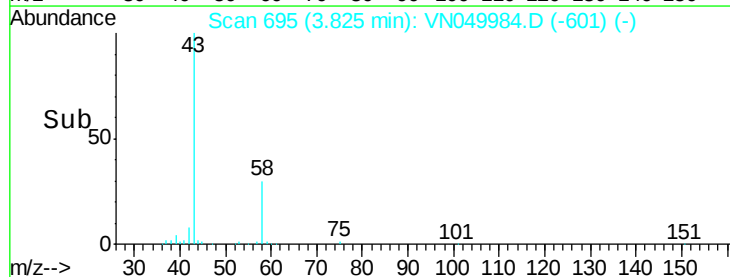
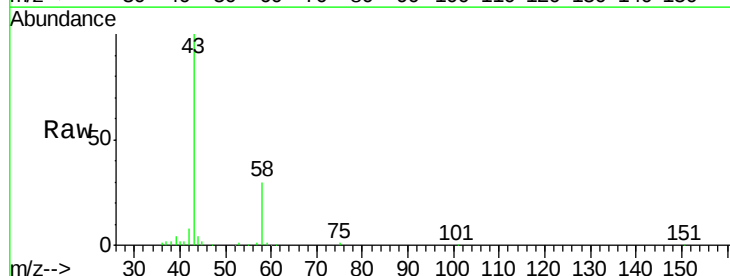
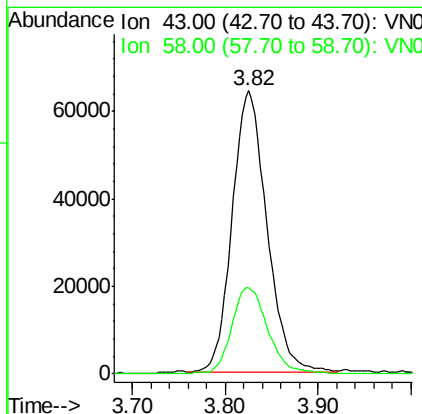
RT: 3.82 min Scan# 695

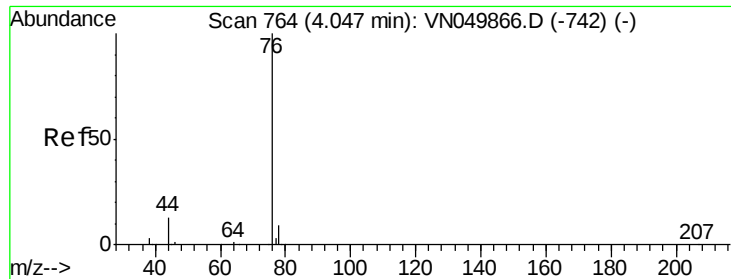
Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion:	43	Resp:	166722
Ion Ratio	Lower	Upper	
43	100		
58	30.3	25.9	38.9





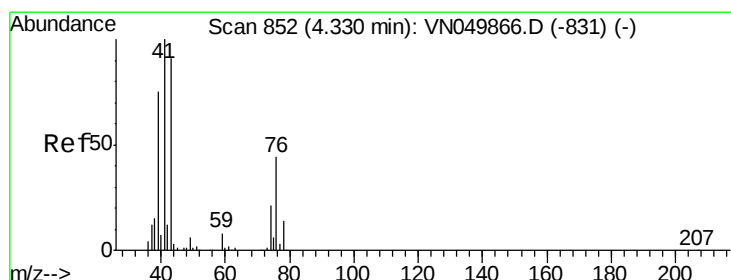
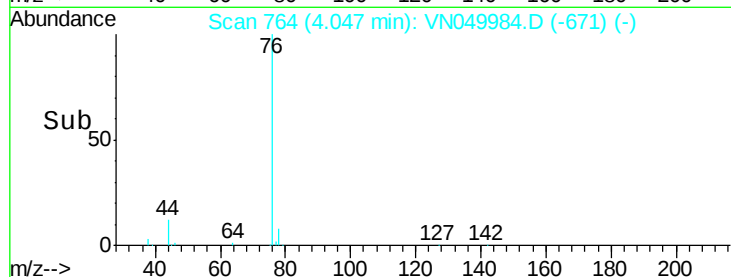
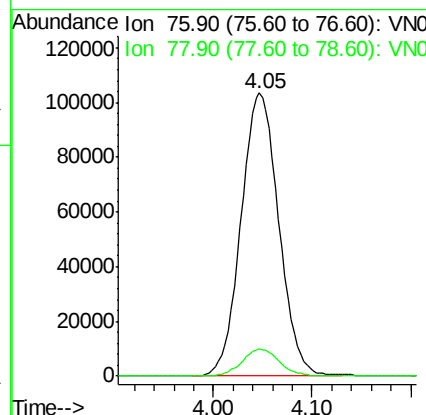
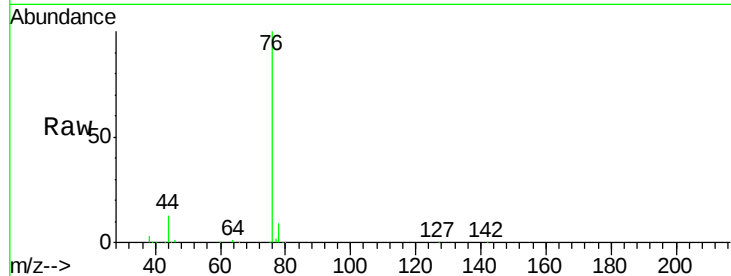
#17
Carbon Disulfide
Concen: 15.49 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

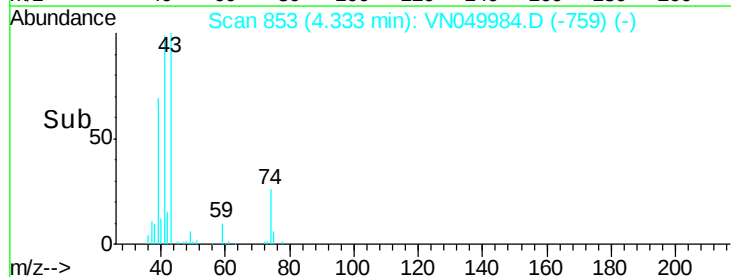
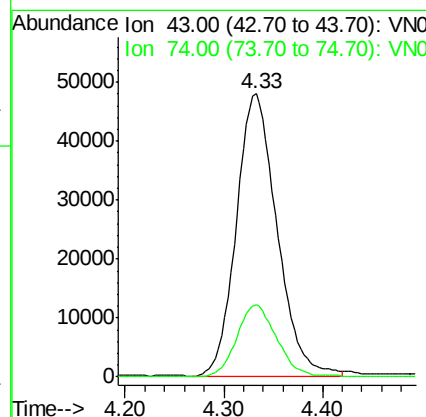
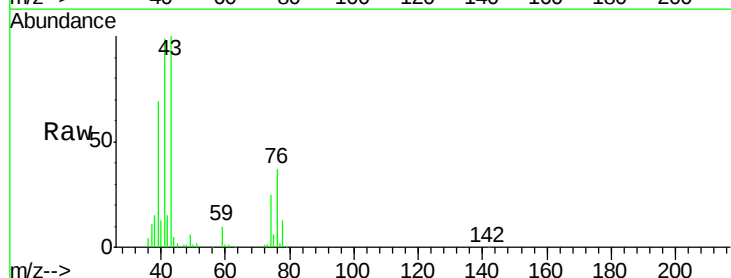
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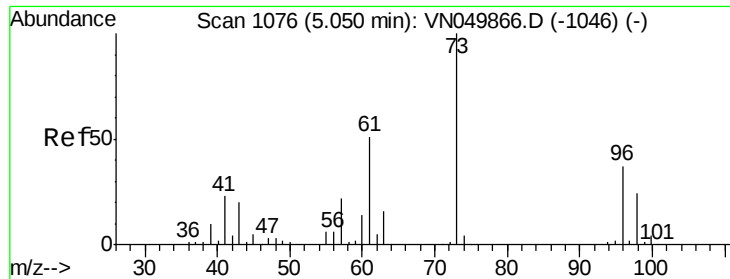
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#18
Methyl Acetate
Concen: 22.26 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.8





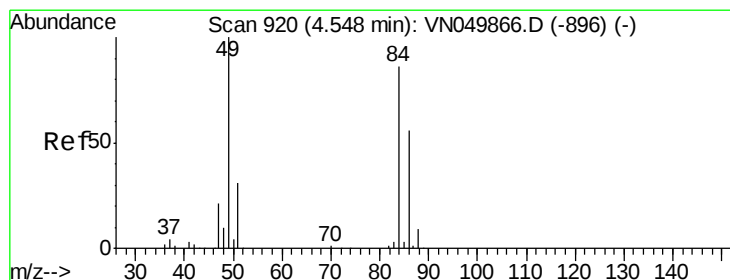
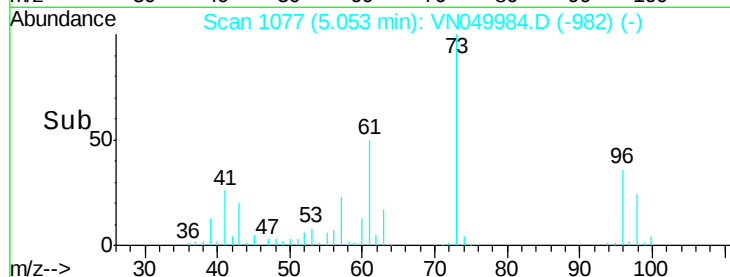
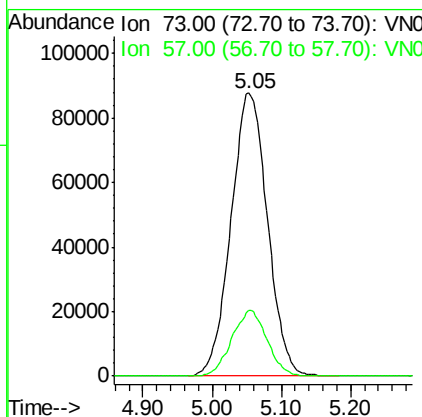
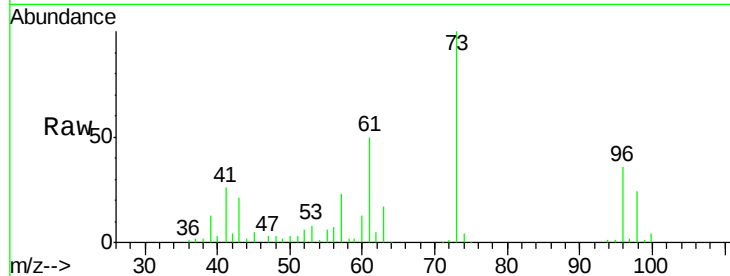
#19
Methyl tert-butyl Ether
Concen: 19.77 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion: 73 Resp: 321436
Ion Ratio Lower Upper
73 100
57 23.1 18.1 27.1

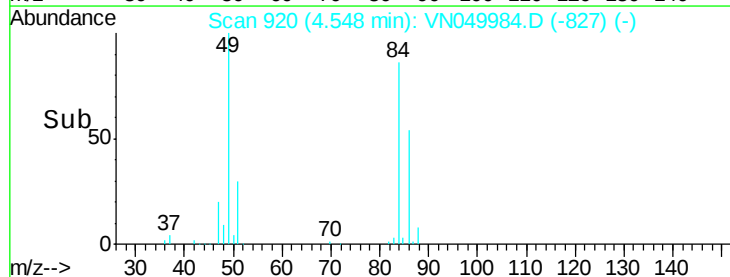
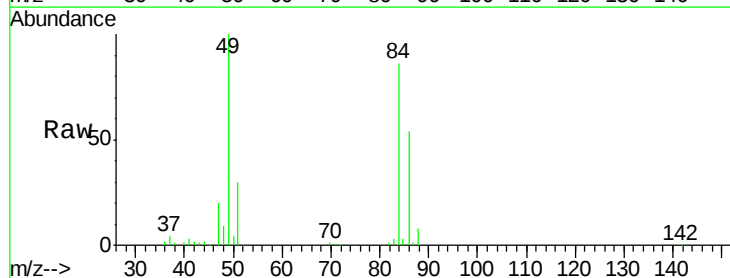
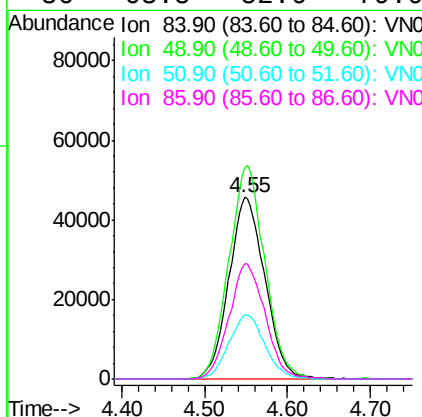
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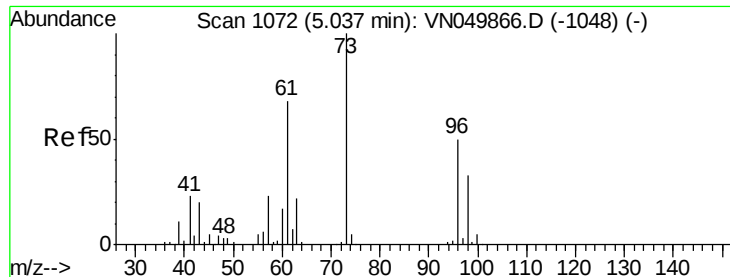
MMDadoda
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#20
Methylene Chloride
Concen: 18.75 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 84 Resp: 138266
Ion Ratio Lower Upper
84 100
49 116.6 95.4 143.2
51 35.2 28.4 42.6
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.22 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

Tot Ion: 96 Resp: 114324

Ion Ratio Lower Upper

96 100

61 140.1 109.0 163.6

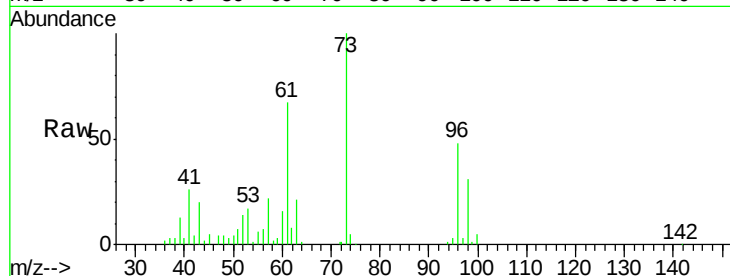
98 65.5 51.1 76.7

Manual Integrations

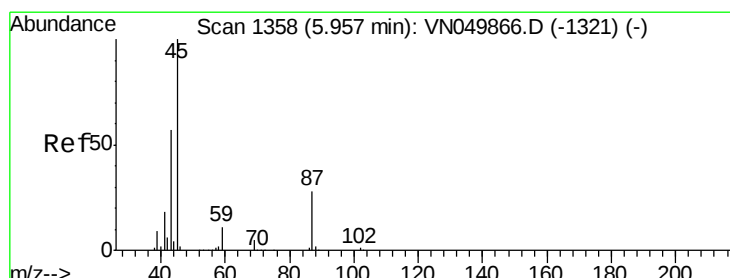
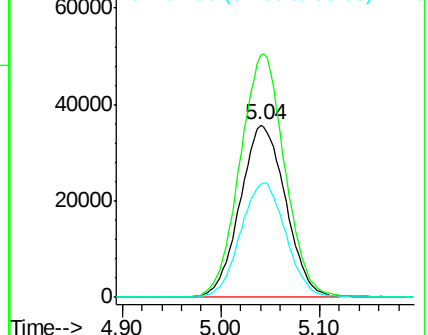
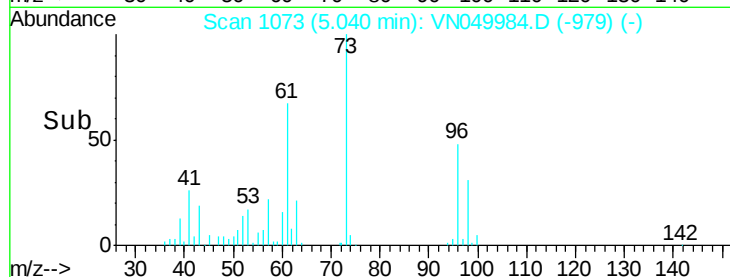
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Abundance Ion 95.90 (95.60 to 96.60): VN049984.D (-979) (-)



#22

Diisopropyl ether

Concen: 20.91 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion: 45 Resp: 397384

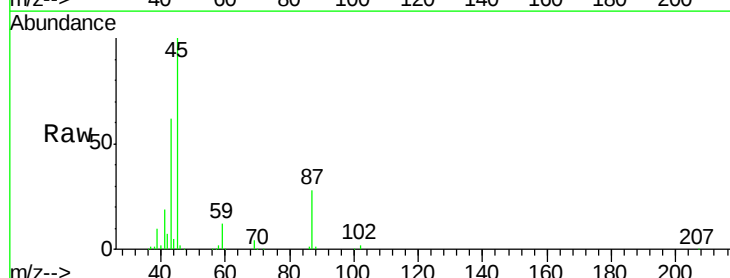
Ion Ratio Lower Upper

45 100

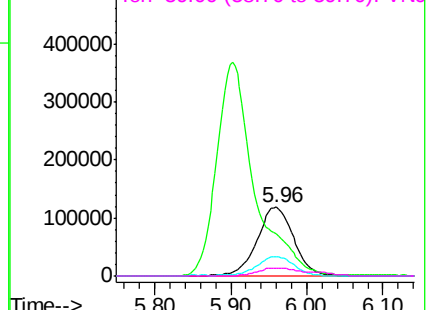
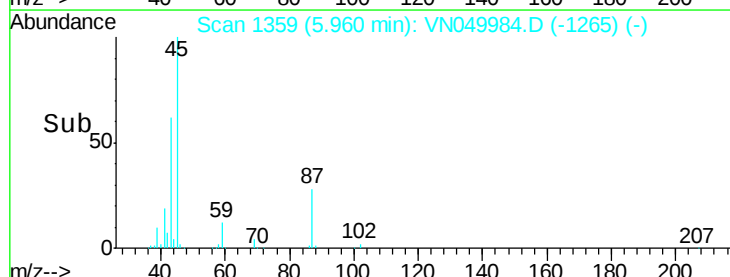
43 59.4 48.1 72.1

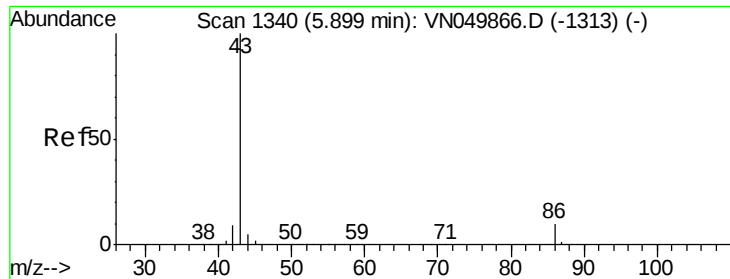
87 28.0 22.6 34.0

59 11.1 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN049984.D (-1265) (-)





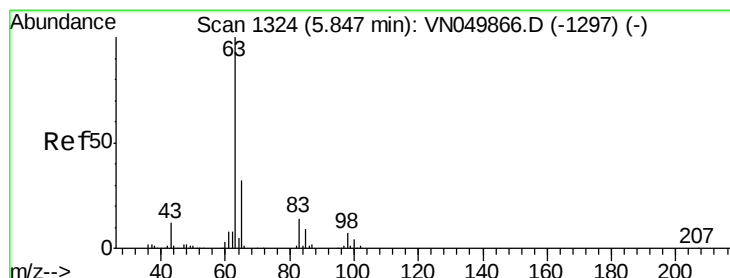
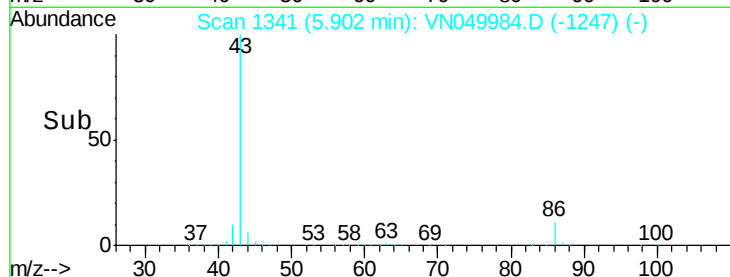
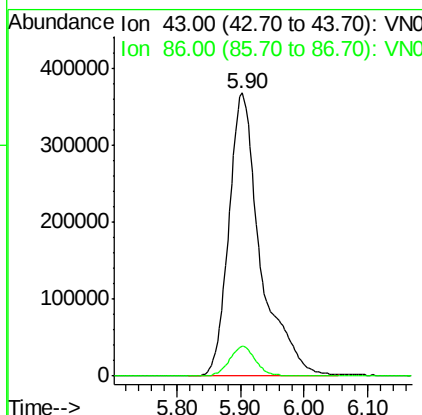
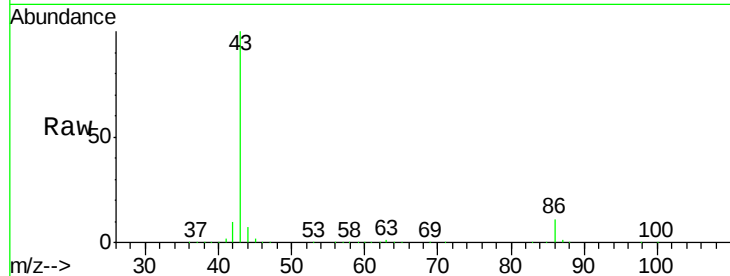
#23
 Vinyl Acetate
 Concen: 95.68 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

Tot Ion: 43 Resp: 1275903
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

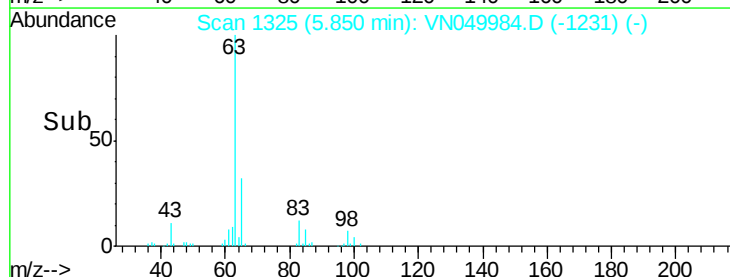
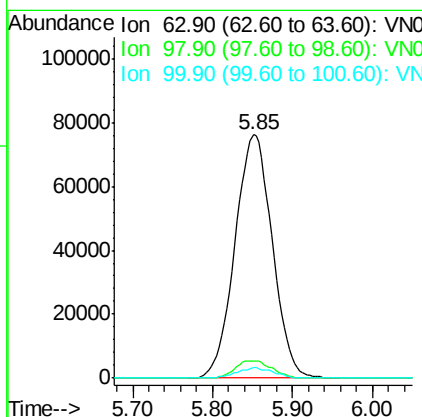
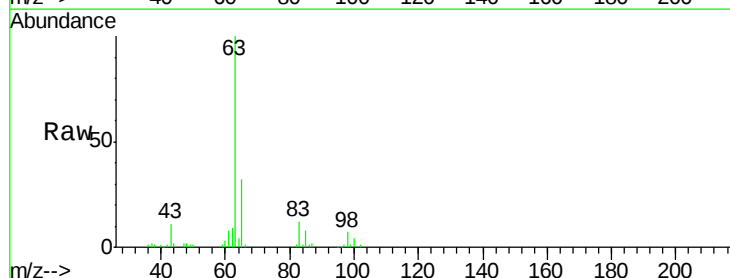
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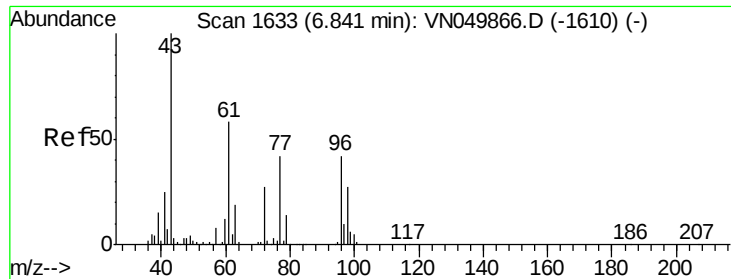
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.73 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion: 63 Resp: 240711
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.1 2.2 6.6





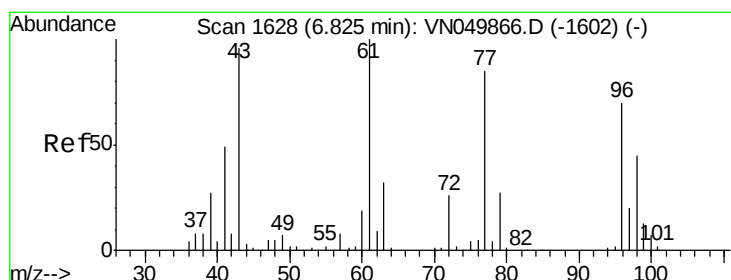
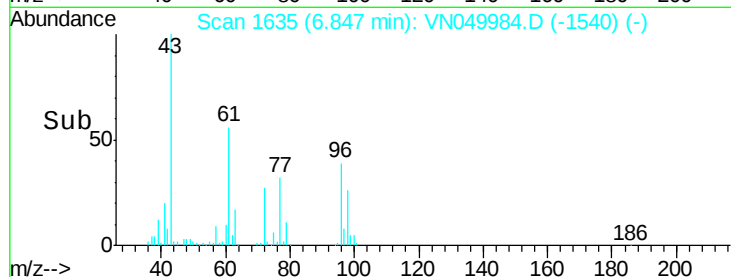
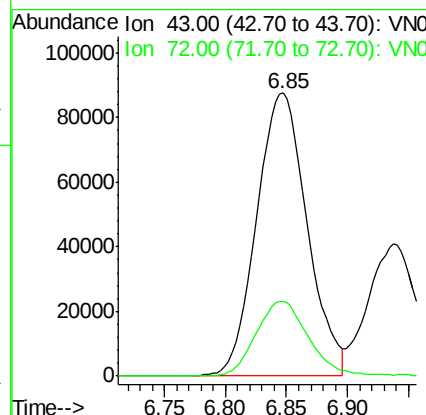
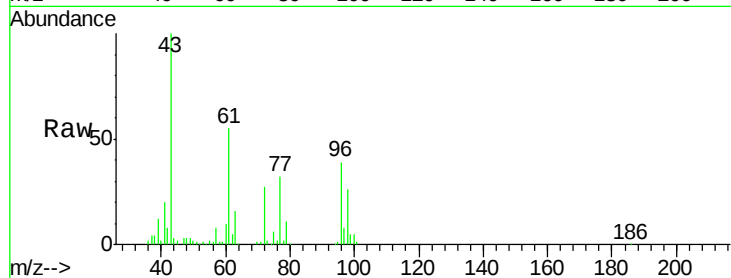
#25
2-Butanone
Concen: 90.39 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion: 43 Resp: 250524
Ion Ratio Lower Upper
43 100
72 26.6 22.1 33.1

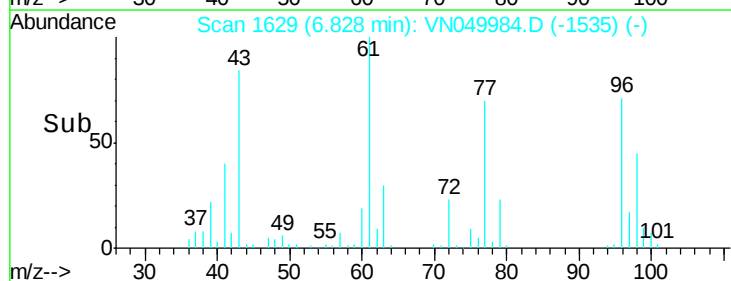
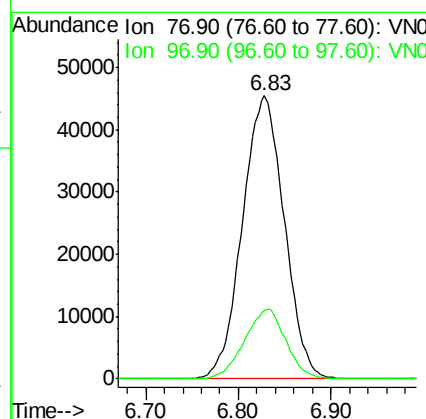
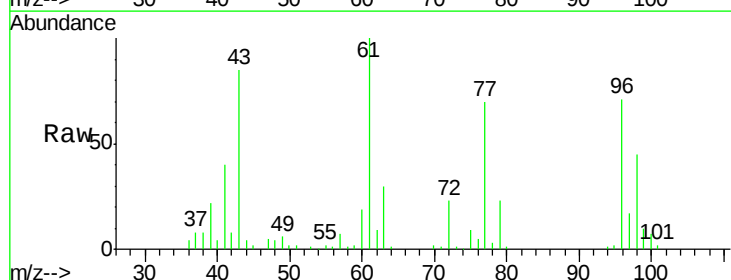
Manual Integrations
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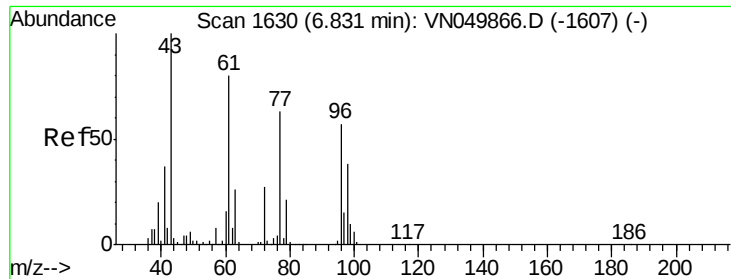
MMDadoda
7/23/2018 2:04:21 PM



#26
2,2-Dichloropropane
Concen: 14.99 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 77 Resp: 142267
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.76 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049984.D

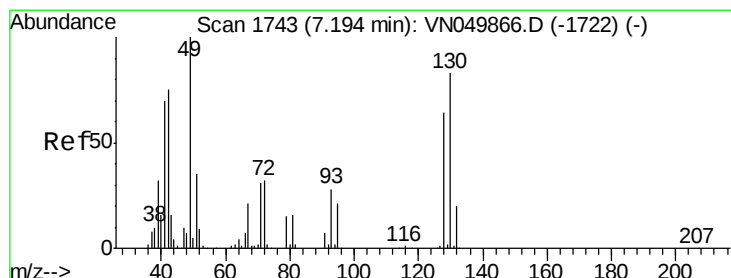
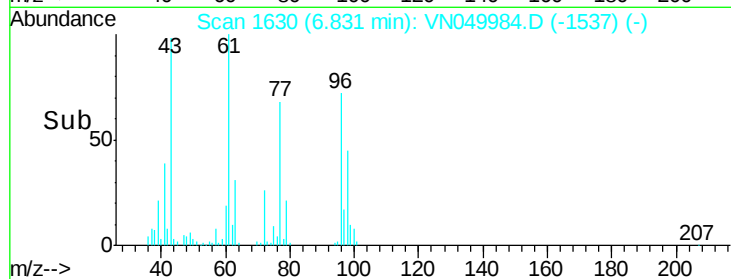
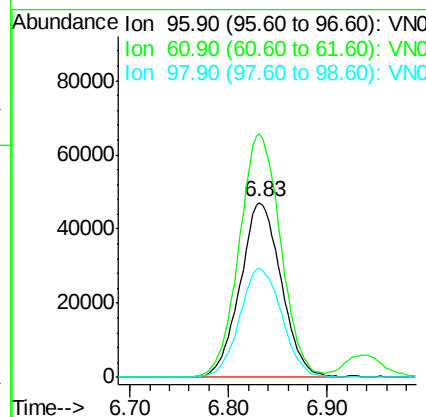
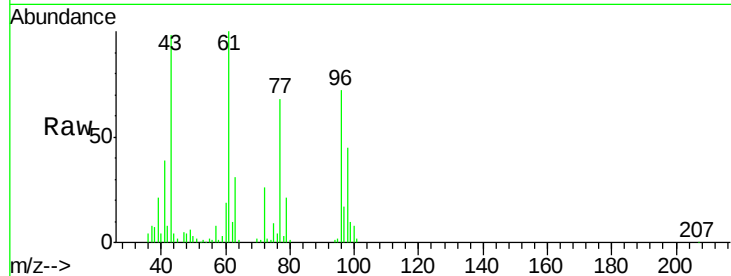
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.7	0.0	289.0	
98	64.1	0.0	130.2	

Manual Integrations
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7/23/2018 2:04:21 PM



#28

Bromochloromethane

Concen: 21.32 ug/l

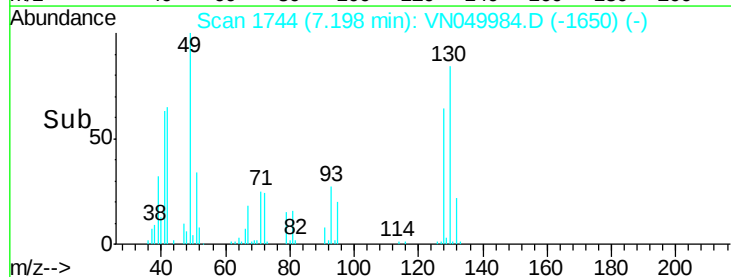
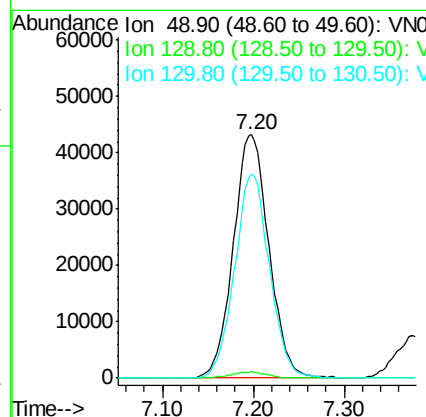
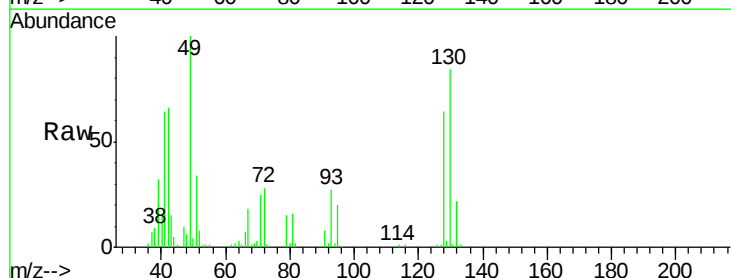
RT: 7.20 min Scan# 1744

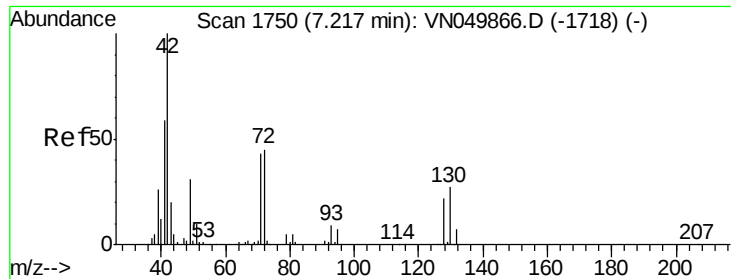
Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.2	
130	82.2	65.5	98.3	





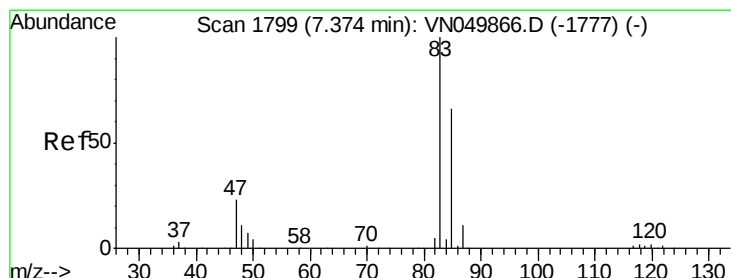
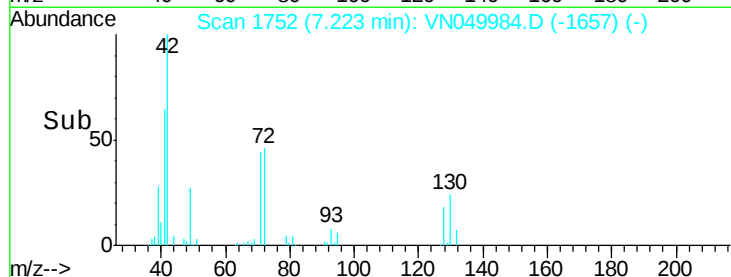
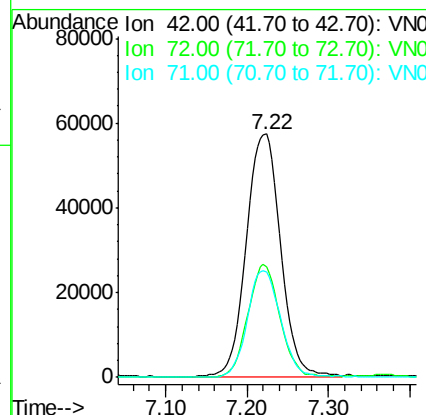
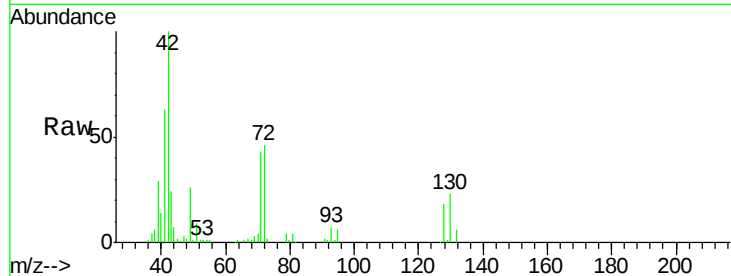
#29
Tetrahydrofuran
Concen: 94.84 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.6	53.4
71	42.8	34.0	51.0

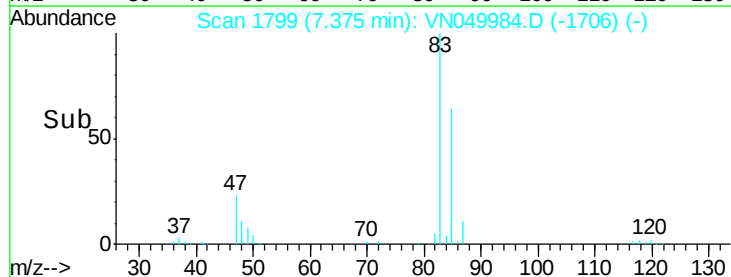
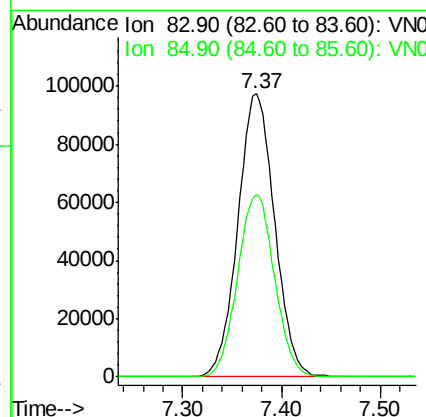
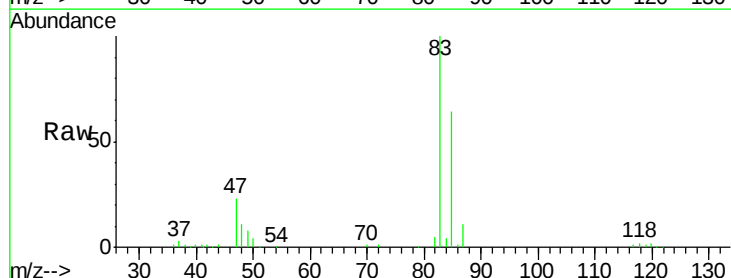
Manual Integrations
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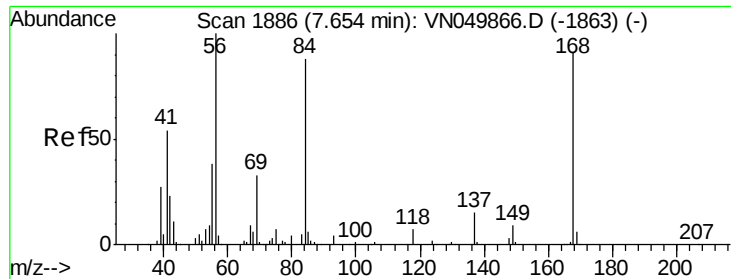
MMDadoda
7/23/2018 2:04:21 PM



#30
Chloroform
Concen: 20.11 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2





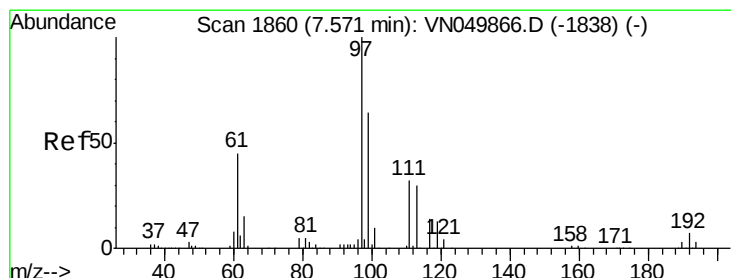
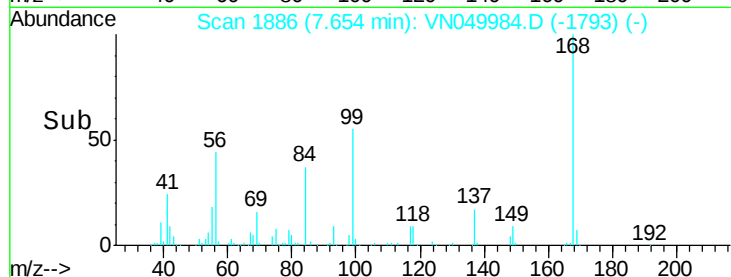
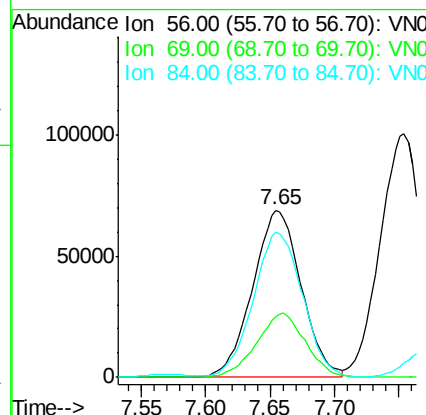
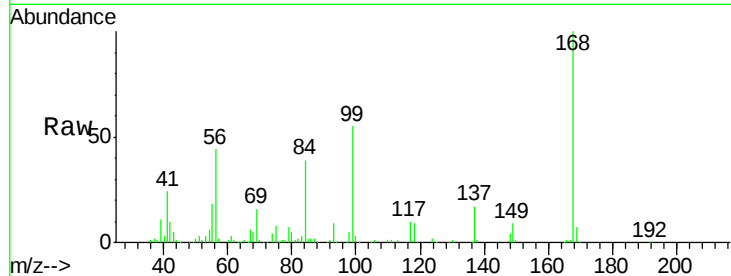
#31
Cyclohexane
Concen: 18.21 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
56	100	180848		
69	36.4	26.6	40.0	
84	86.0	69.0	103.6	

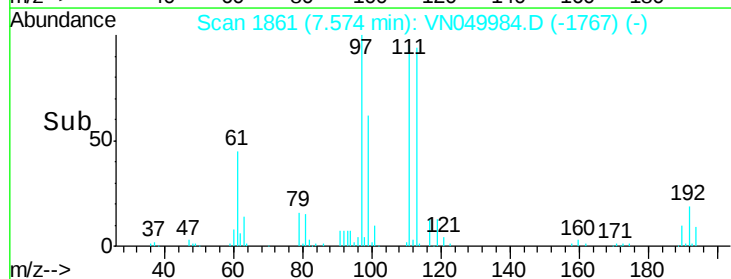
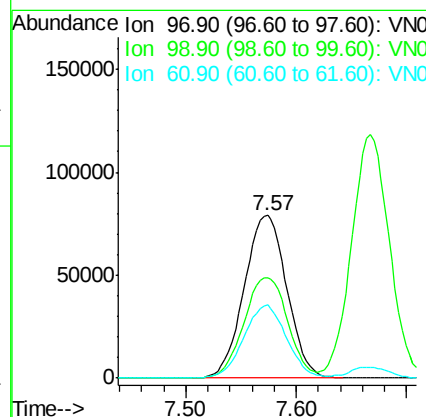
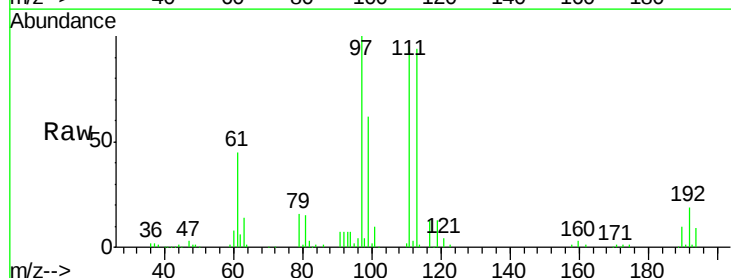
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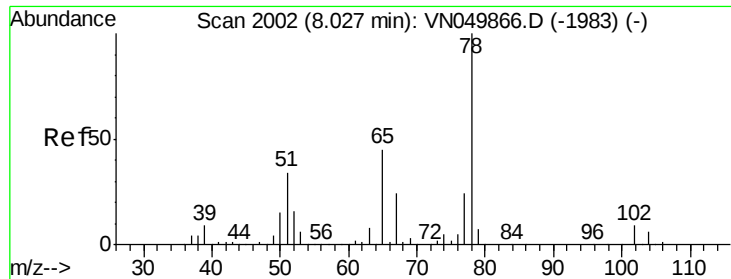
MMDadoda
7/23/2018 2:04:21 PM



#32
1,1,1-Trichloroethane
Concen: 19.56 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	211801		
99	63.5	51.0	76.4	
61	45.0	35.5	53.3	





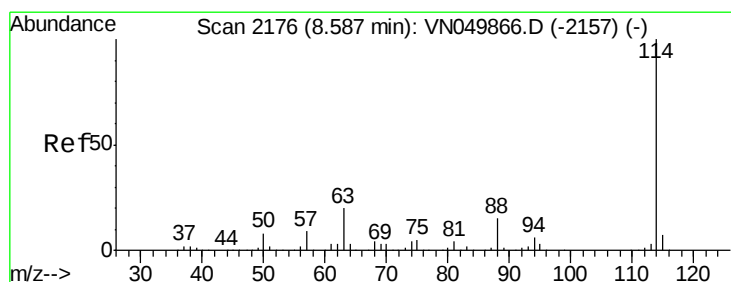
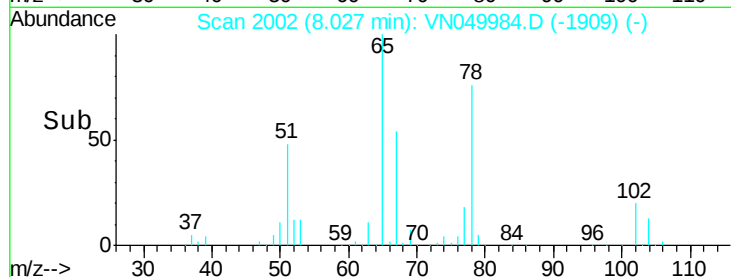
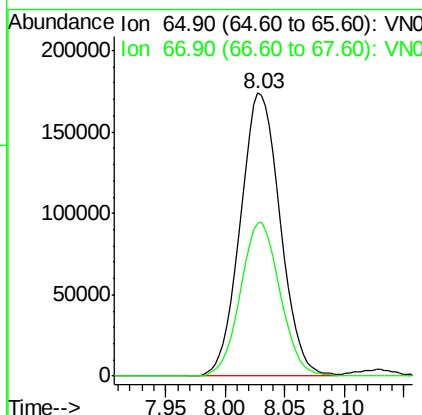
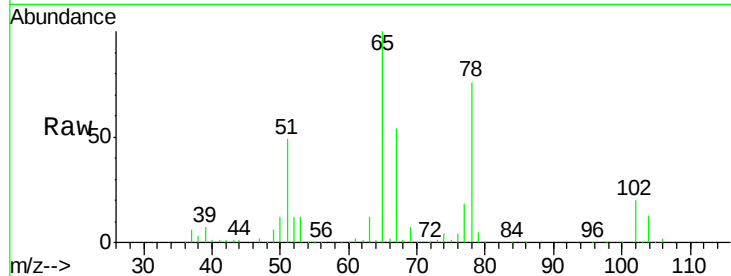
#33
 1,2-Dichloroethane-d4
 Concen: 53.98 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	404318		
67	54.1	0.0	107.2	

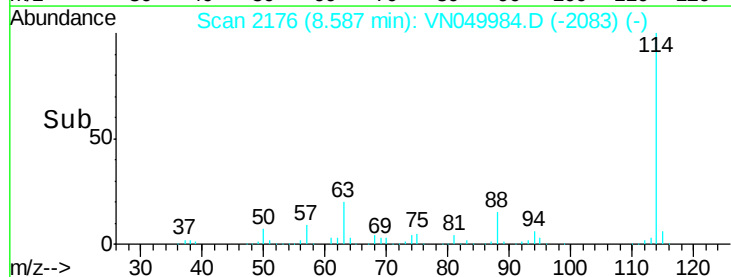
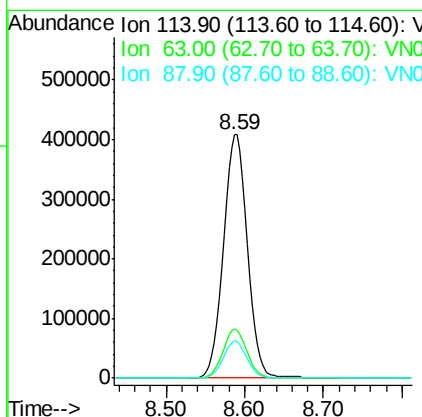
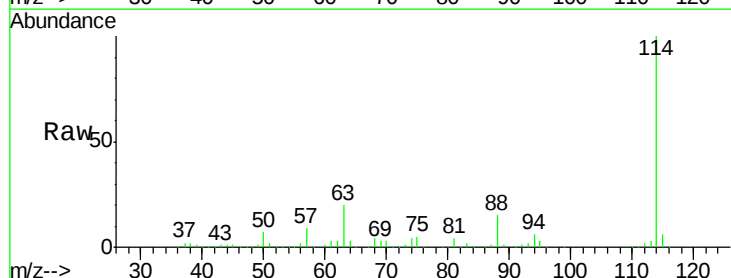
Manual Integrations
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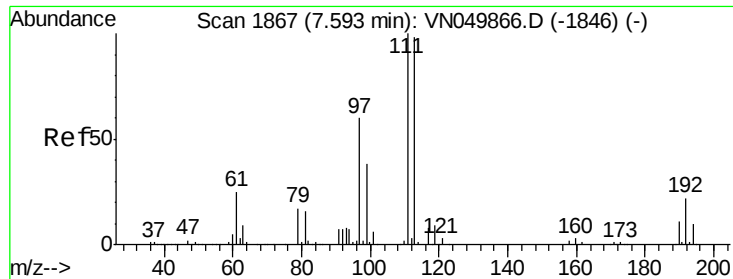
MMDadoda
 7/23/2018 2:04:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	854223		
63	19.9	0.0	39.8	
88	15.2	0.0	30.6	





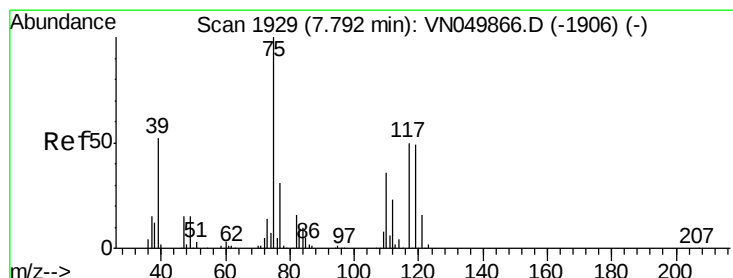
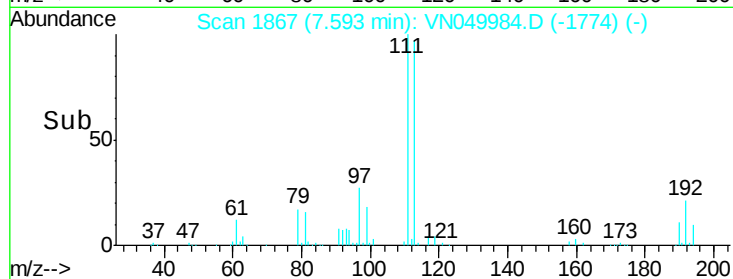
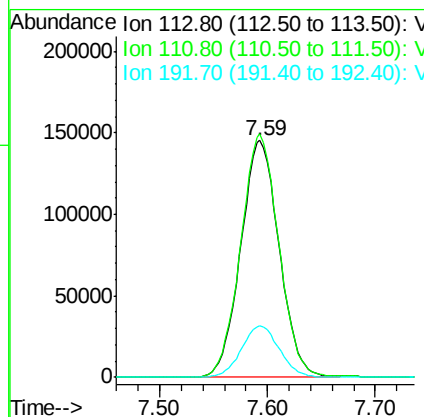
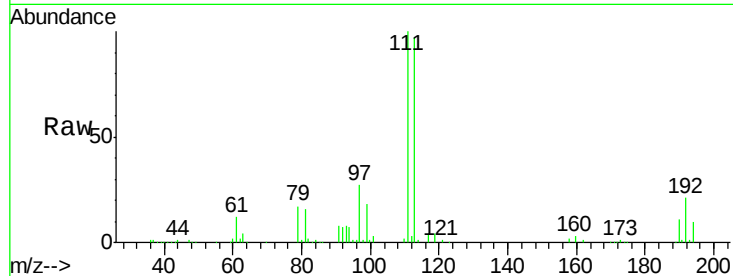
#35
Dibromofluoromethane
Concen: 50.18 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.8	122.8	
192	21.6	17.8	26.6	

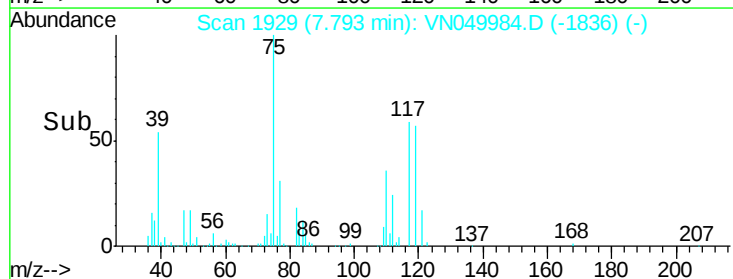
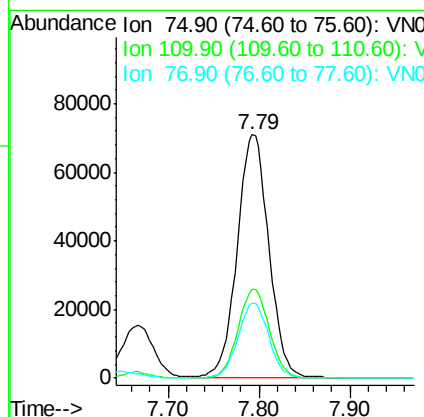
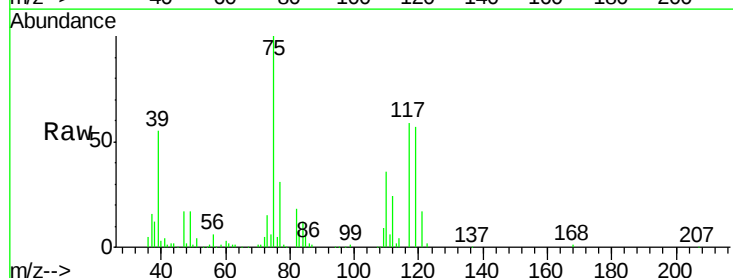
Manual Integrations
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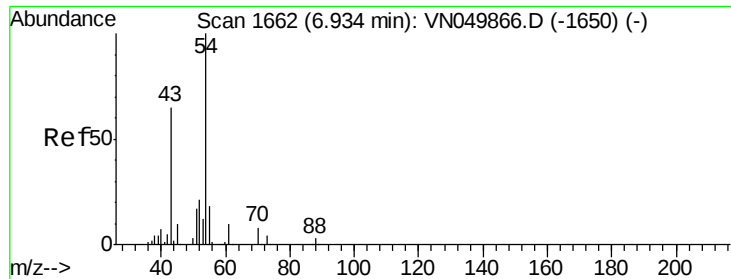
MMDadoda
7/23/2018 2:04:21 PM



#36
1,1-Dichloropropene
Concen: 18.11 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.9	18.1	54.4	
77	30.0	24.9	37.3	





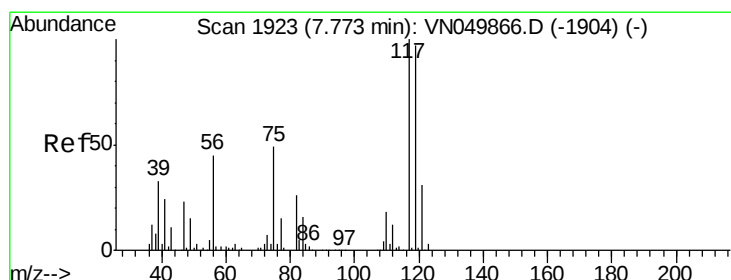
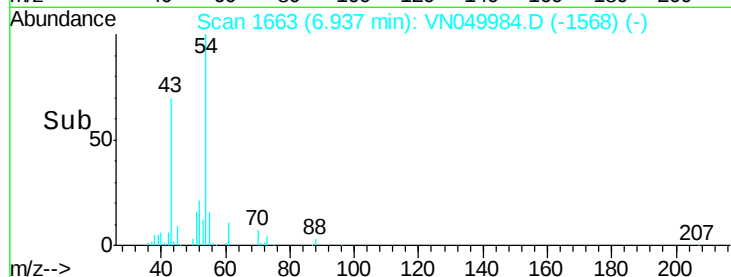
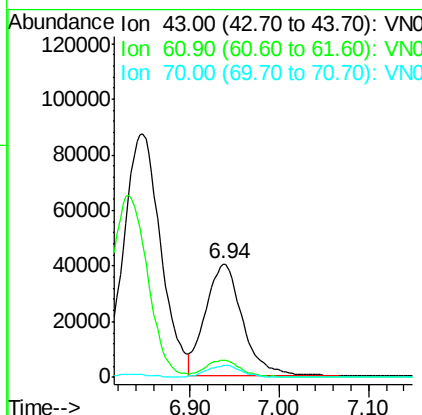
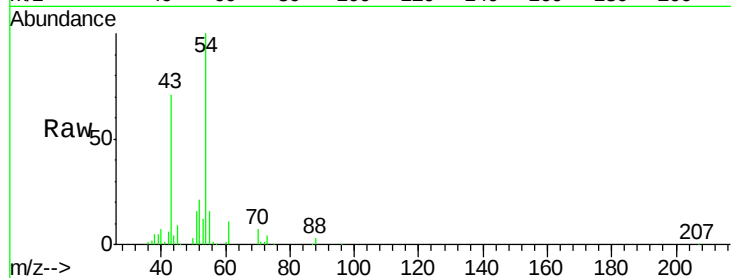
#37
Ethyl Acetate
Concen: 17.85 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.7	17.5
70	10.1	8.4	12.6

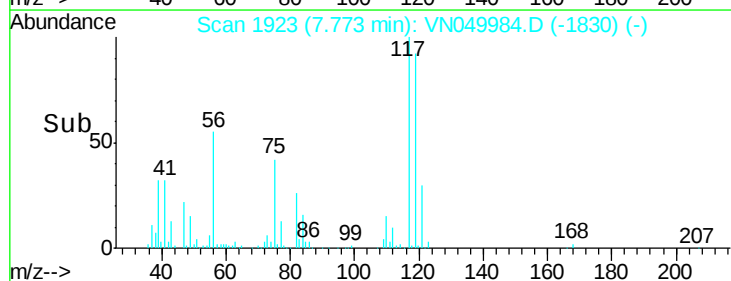
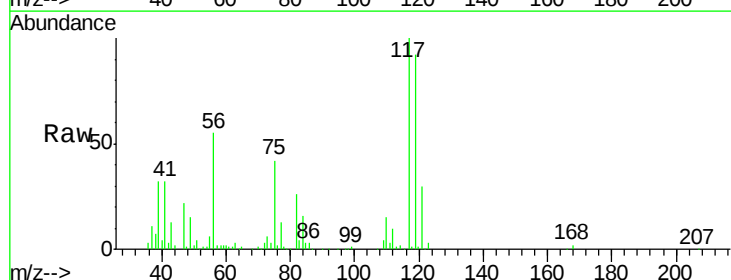
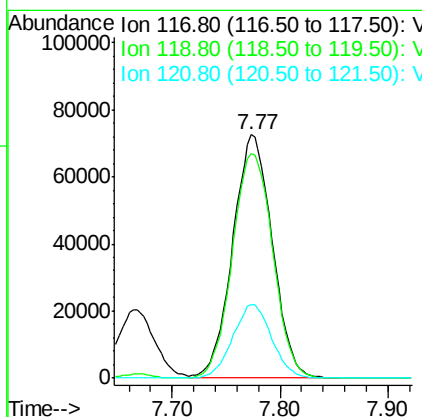
Manual Integrations
APPROVED

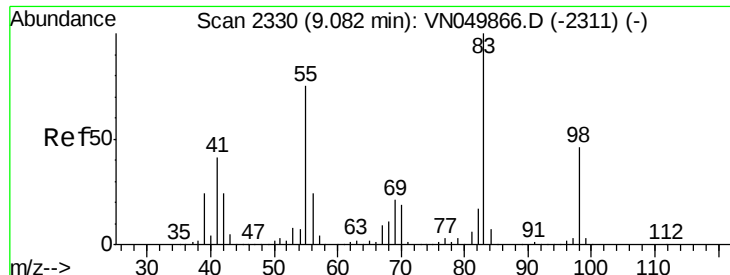
MMDadoda
7/23/2018 2:04:21 PM



#38
Carbon Tetrachloride
Concen: 18.13 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	77.2	115.8
121	30.4	25.0	37.6





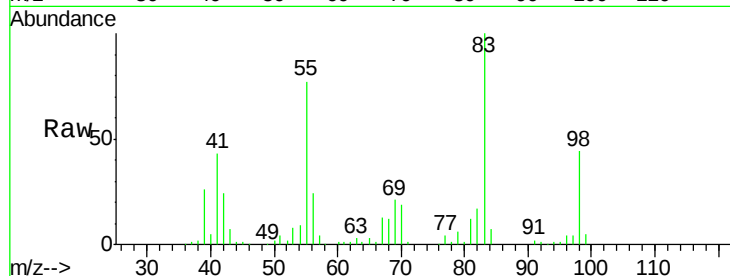
#39
Methvlcvclohexane
Concen: 16.08 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	83	Resp	157783
Ion Ratio	Lower	Upper	
83	100		
55	77.0	59.7	89.5
98	44.2	36.5	54.7

Manual Integrations
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MMDadoda
7/23/2018 2:04:21 PM

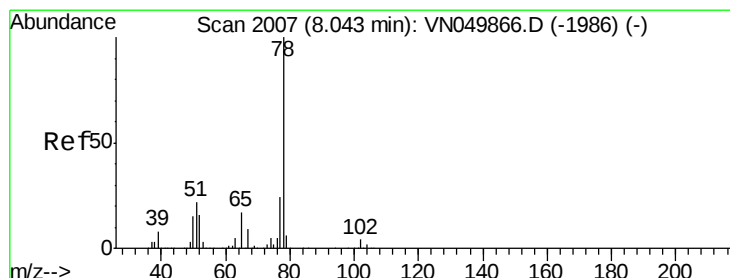
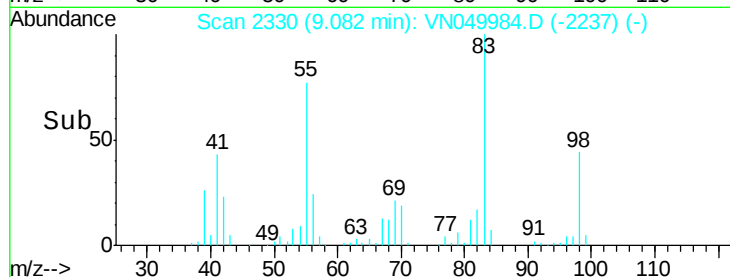
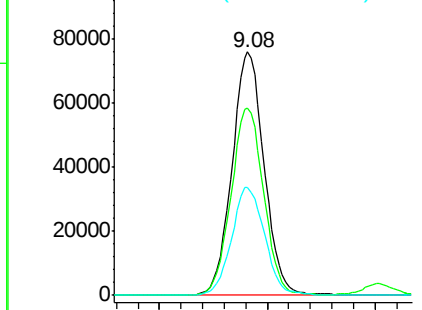


Abundance

Ion 83.00 (82.70 to 83.70): VN0

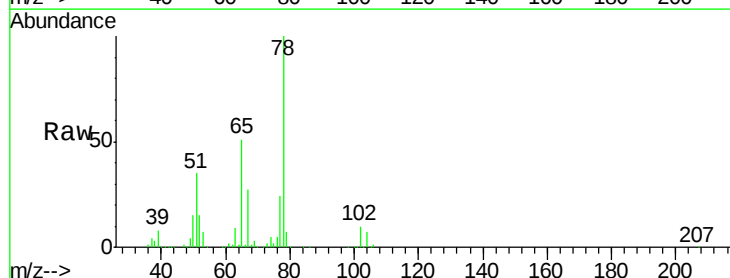
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 18.54 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

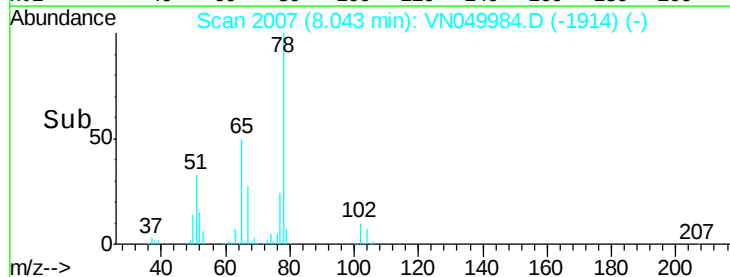
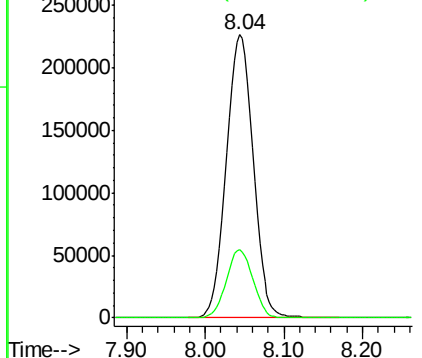
Tgt Ion	78	Resp	536768
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.0	28.4

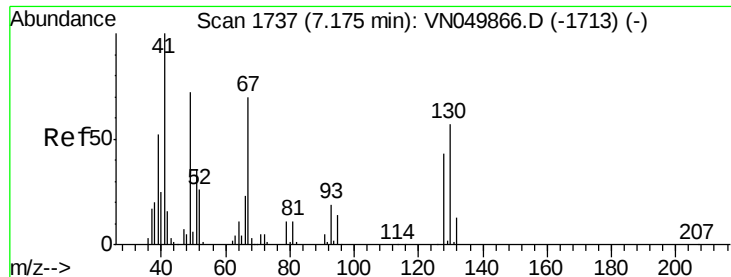


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





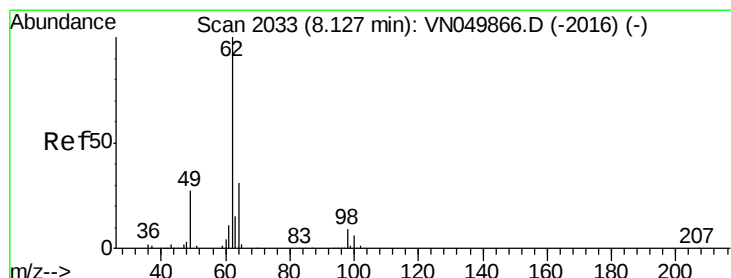
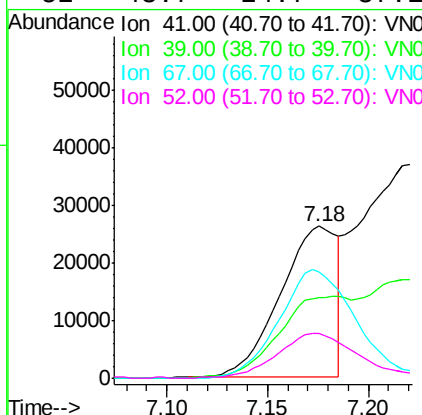
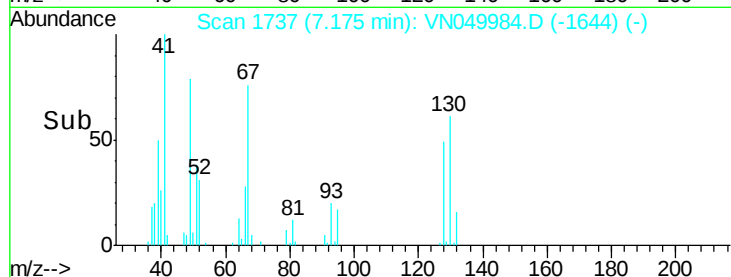
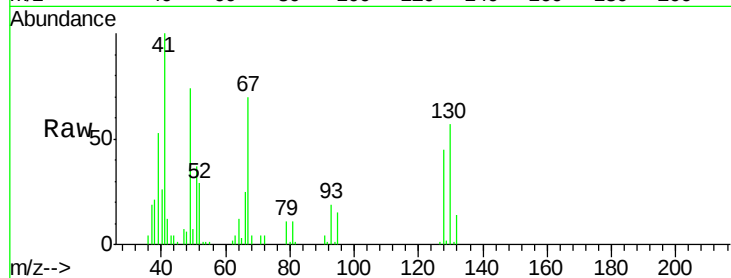
#41
Methacrylonitrile
Concen: 15.68 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.1	45.4	68.2
67	96.7	65.4	98.0
52	43.7	24.7	37.1#

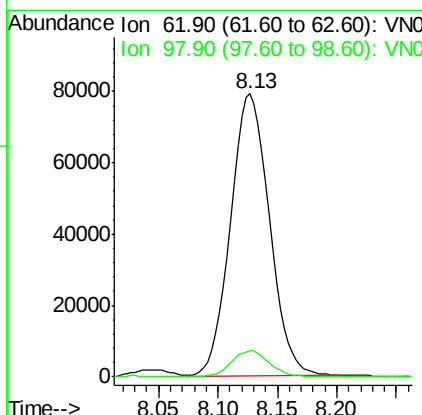
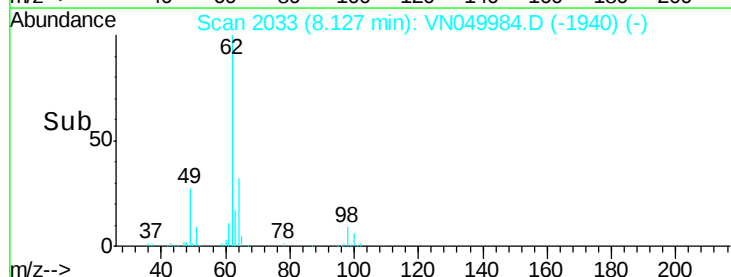
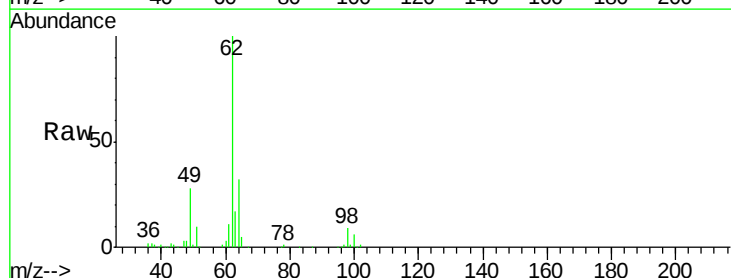
Manual Integrations
APPROVED

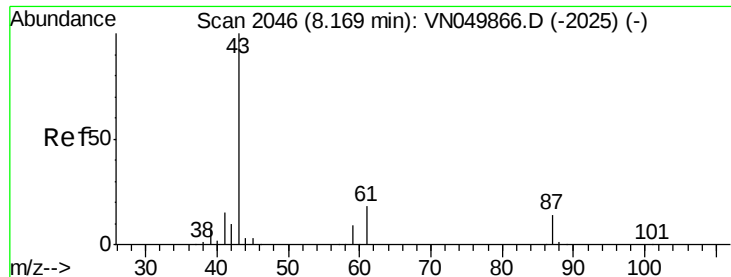
MMDadoda
7/23/2018 2:04:21 PM



#42
1,2-Dichloroethane
Concen: 18.69 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.68 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

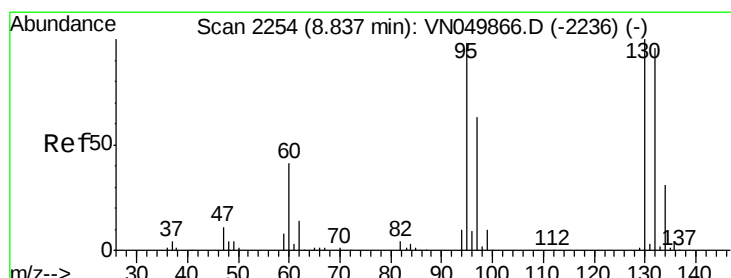
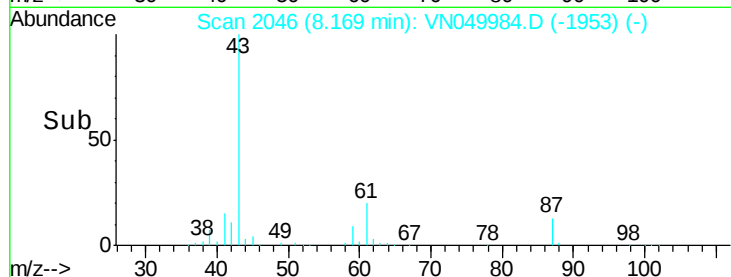
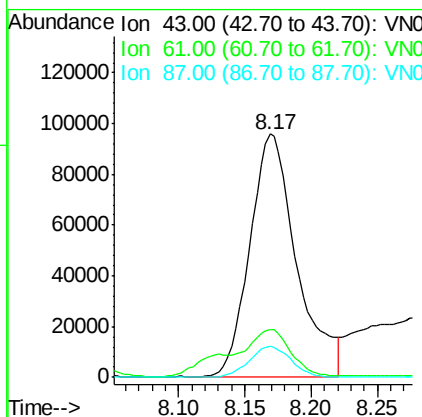
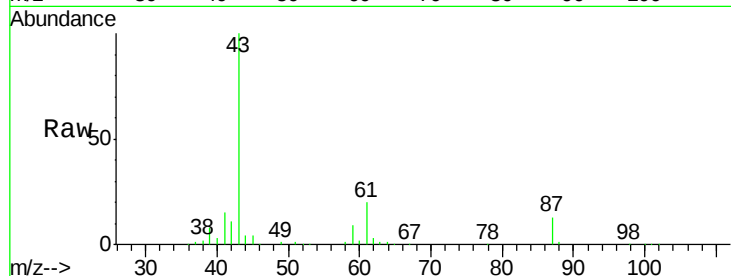
ClientSampleId :

VN0720WBS02

Tot Ion:	43	Resp:	235596
Ion	Ratio	Lower	Upper
43	100		
61	16.4	14.9	22.3
87	11.5	10.0	15.0

Manual Integrations
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7/23/2018 2:04:21 PM



#44

Trichloroethene

Concen: 18.42 ug/l

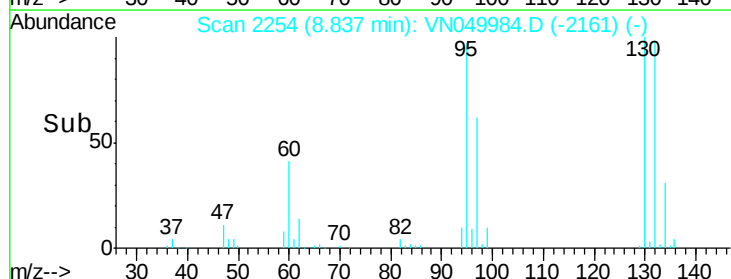
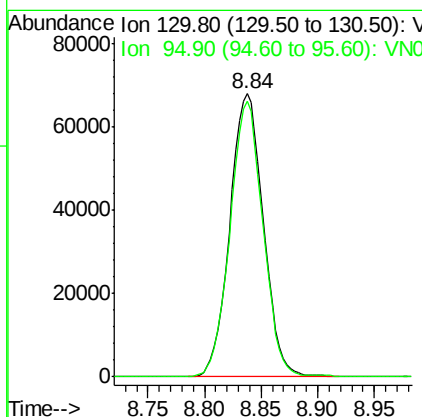
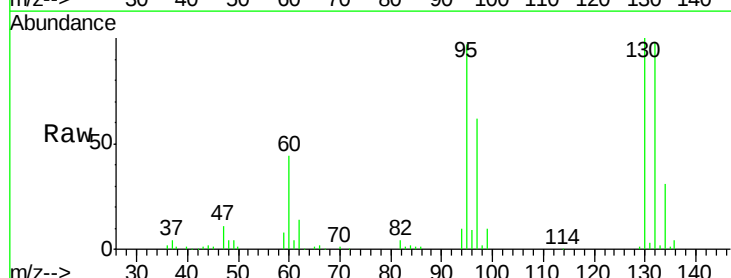
RT: 8.84 min Scan# 2254

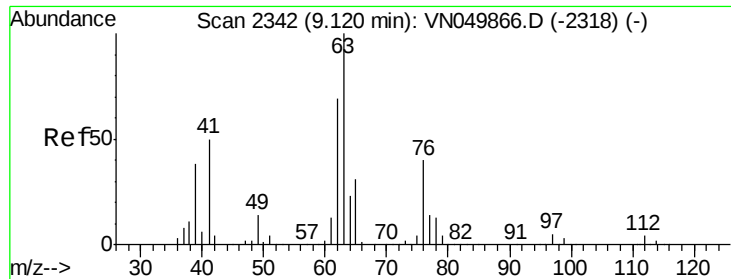
Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion:	130	Resp:	139835
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	192.8





#45

1,2-Dichloropropane

Concen: 18.81 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

Tot Ion: 63 Resp: 146883

Ion Ratio Lower Upper

63 100

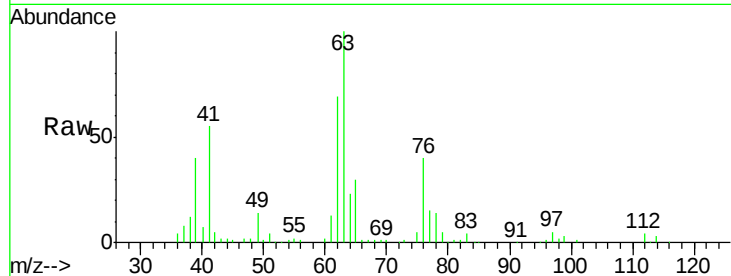
65 29.8 24.7 37.1

Manual Integrations

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MMDadoda

7/23/2018 2:04:21 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

80000

60000

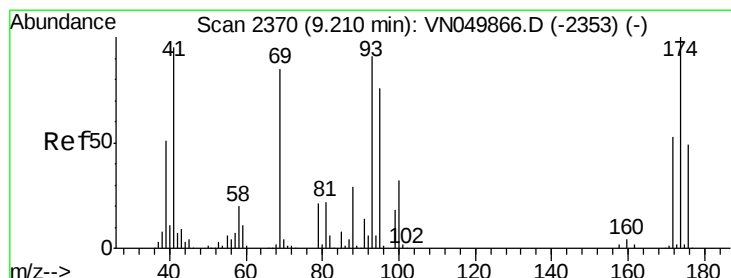
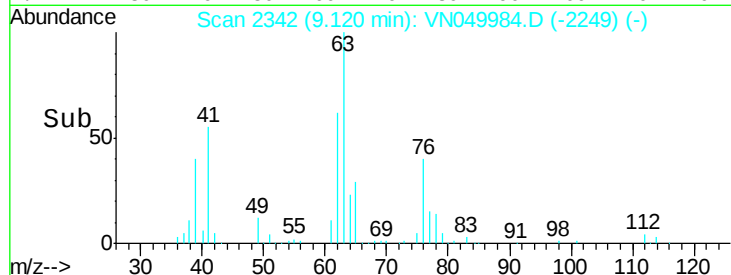
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 18.53 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

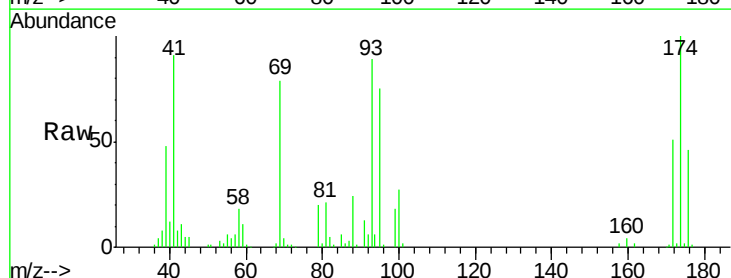
Tgt Ion: 93 Resp: 89723

Ion Ratio Lower Upper

93 100

95 84.0 67.9 101.9

174 108.4 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

60000

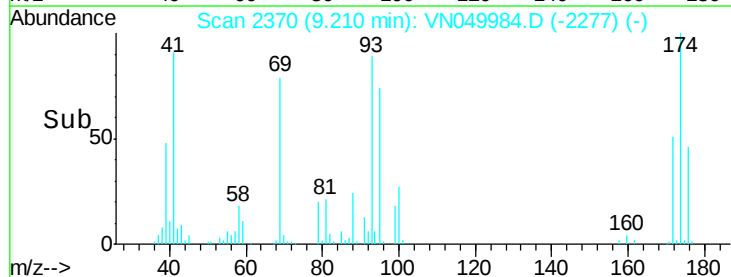
40000

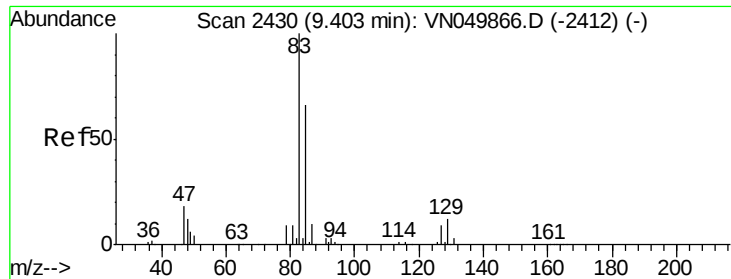
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





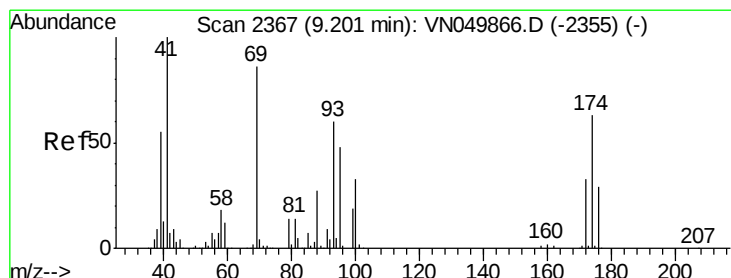
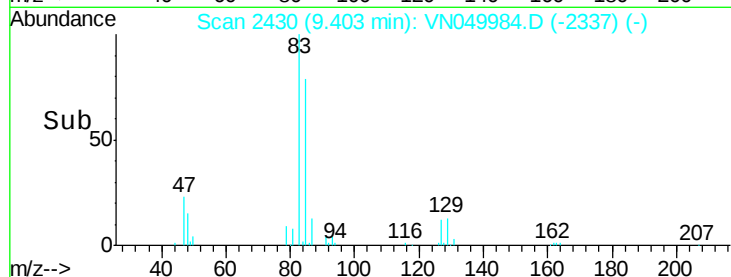
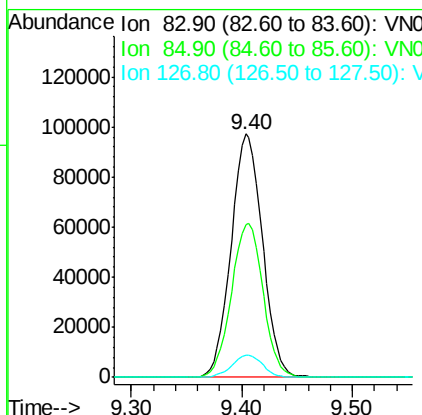
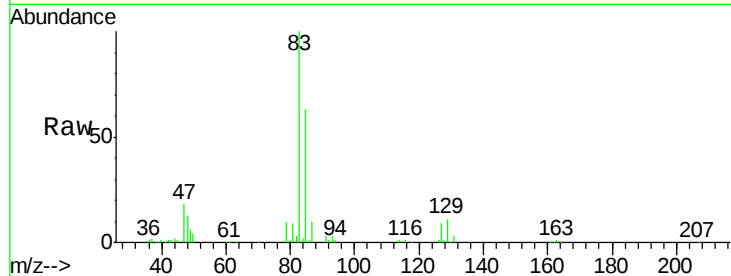
#47
Bromodichloromethane
Concen: 19.15 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	191853		
85	62.6	50.5	75.7	
127	9.1	6.8	10.2	

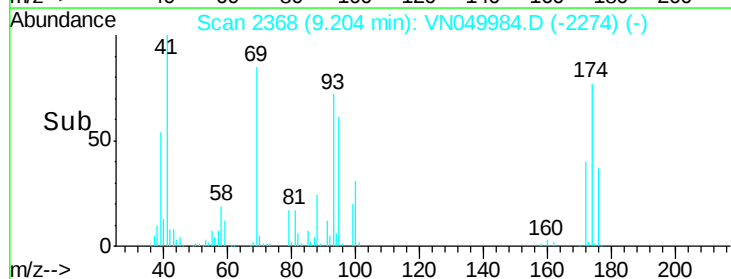
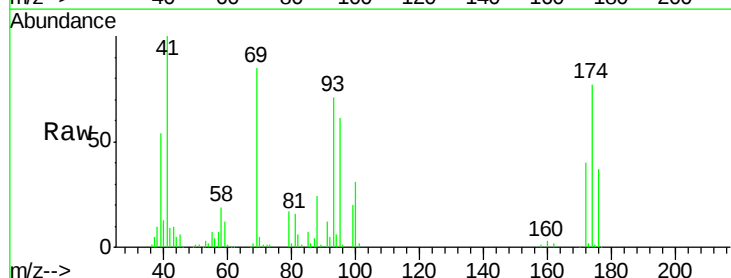
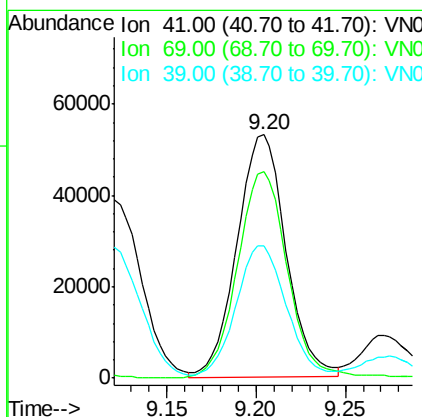
Manual Integrations
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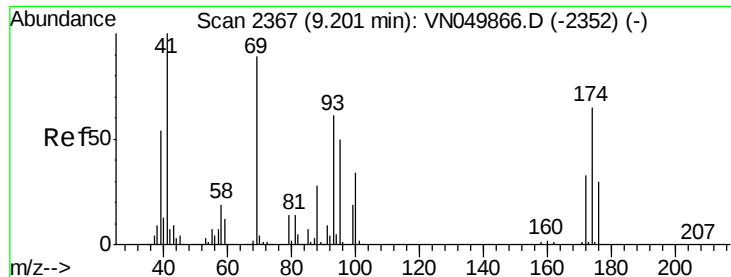
MMDadoda
7/23/2018 2:04:21 PM



#48
Methyl methacrylate
Concen: 17.83 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	101926		
69	87.5	71.5	107.3	
39	55.8	44.7	67.1	





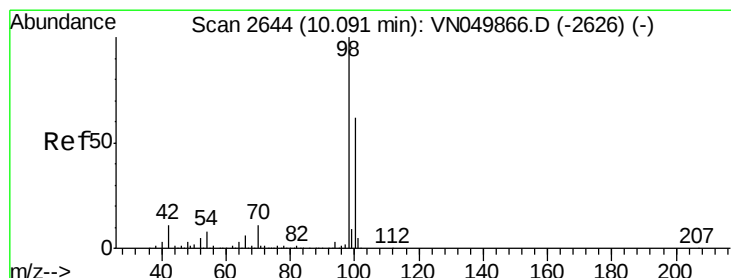
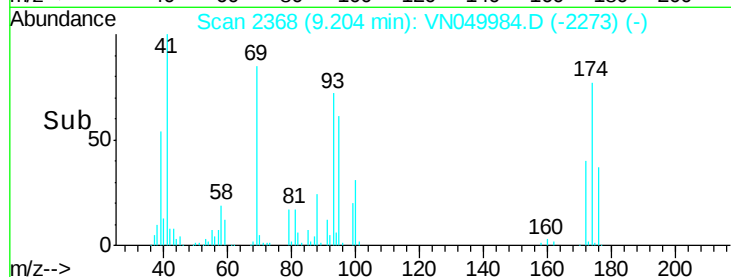
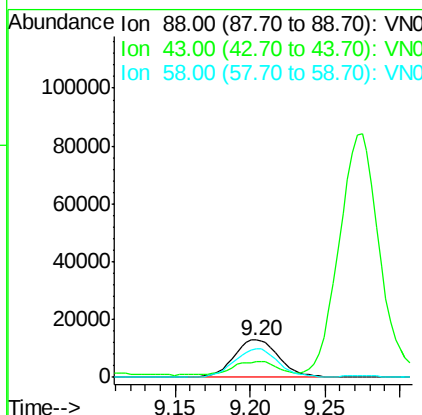
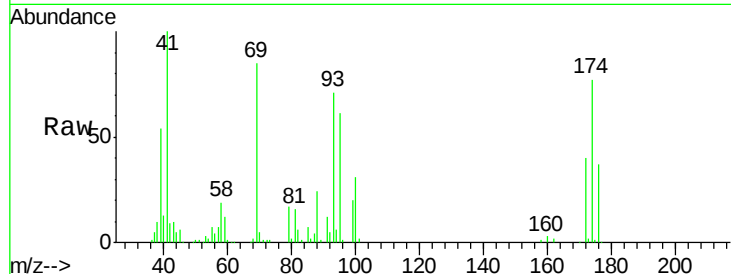
#49
1,4-Dioxane
Concen: 336.63 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	25.1	37.7
58	75.0	52.5	78.7

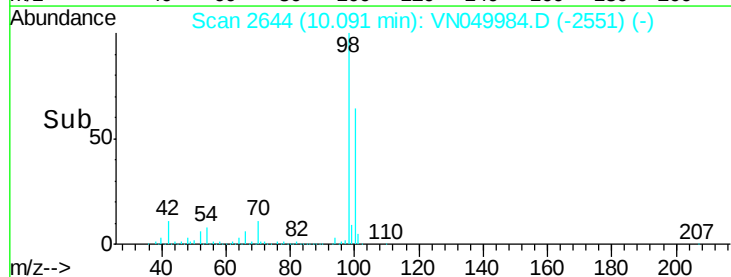
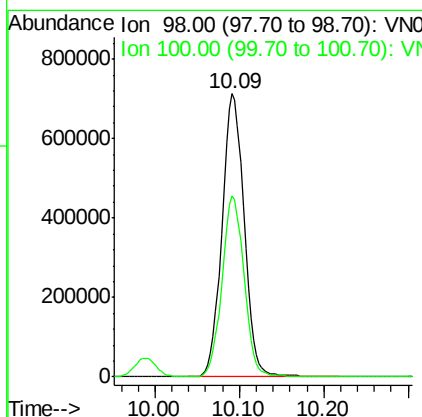
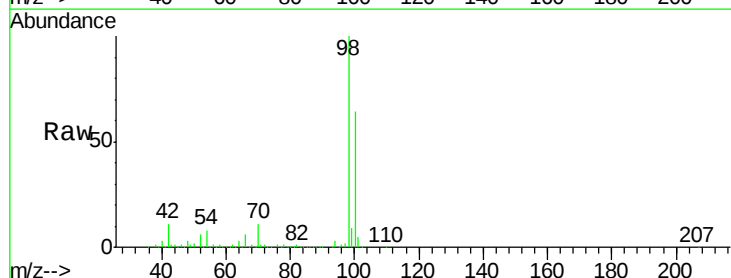
Manual Integrations
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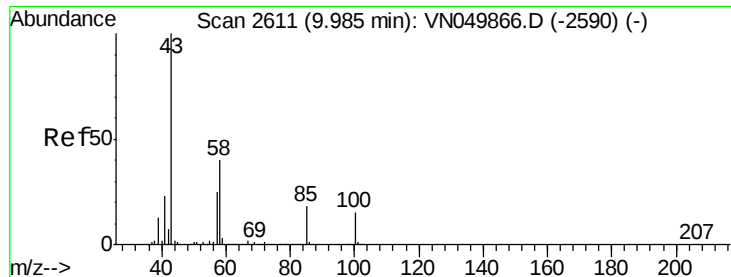
MMDadoda
7/23/2018 2:04:21 PM



#50
Toluene-d8
Concen: 49.83 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 93.25 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

Tot Ion: 43 Resp: 593945

Ion Ratio Lower Upper

43 100

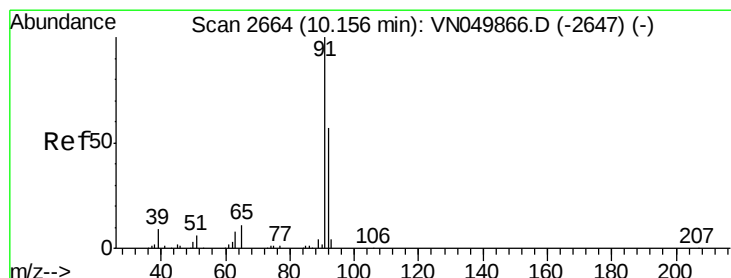
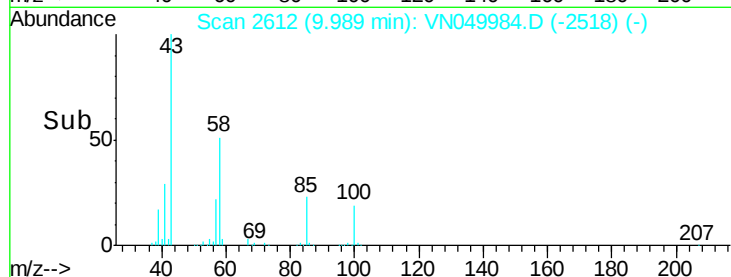
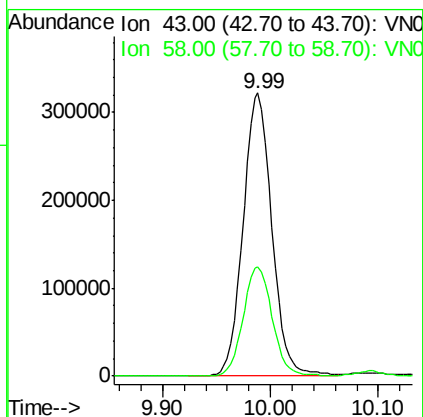
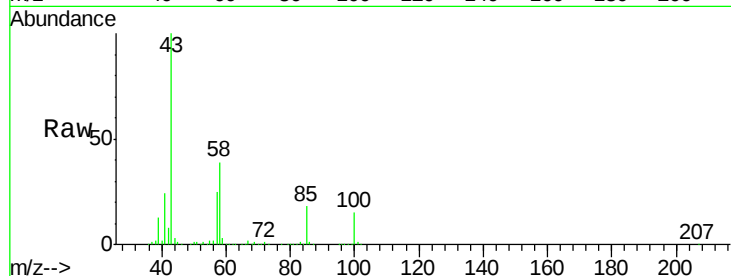
58 39.4 31.8 47.8

Manual Integrations

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#52

Toluene

Concen: 18.94 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049984.D

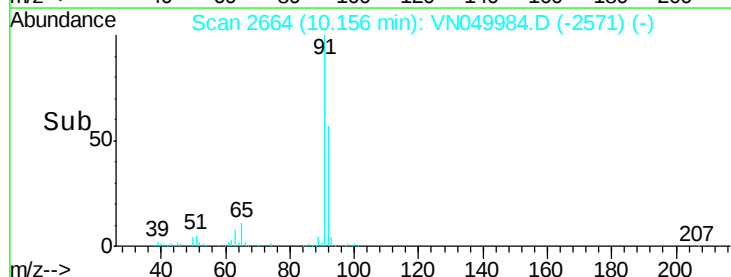
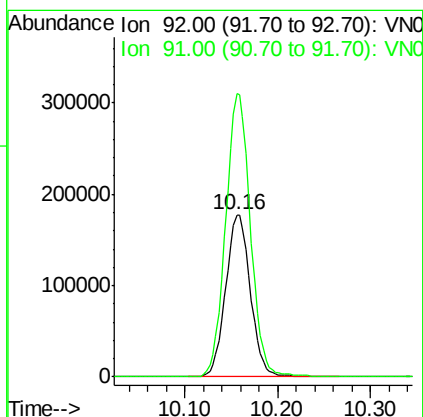
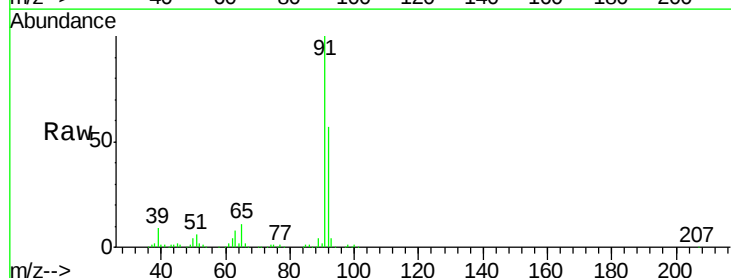
Acq: 21 Jul 2018 2:39

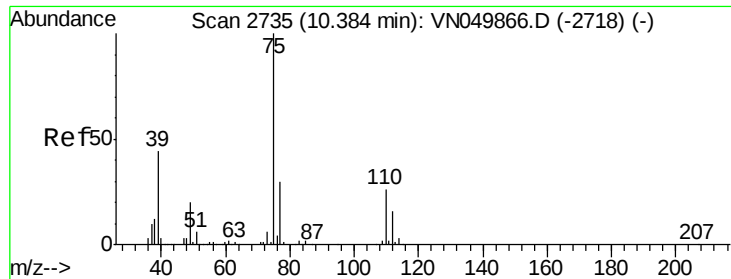
Tgt Ion: 92 Resp: 327089

Ion Ratio Lower Upper

92 100

91 175.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 17.54 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

Tot Ion: 75 Resp: 173700

Ion Ratio Lower Upper

75 100

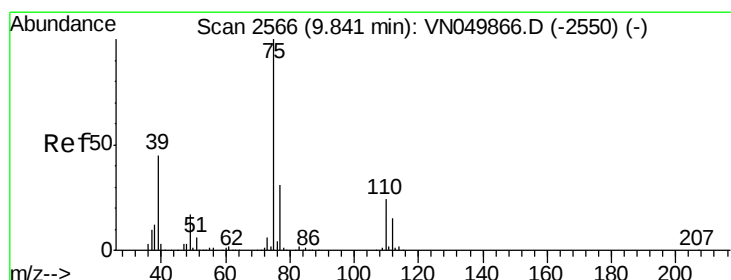
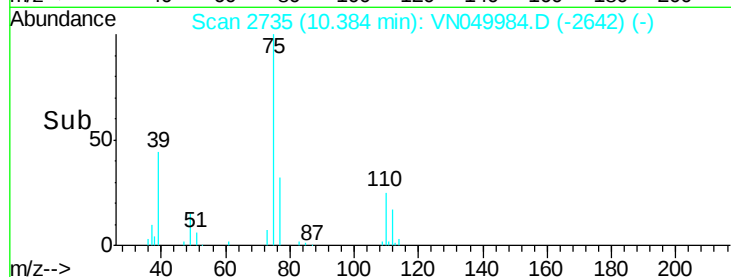
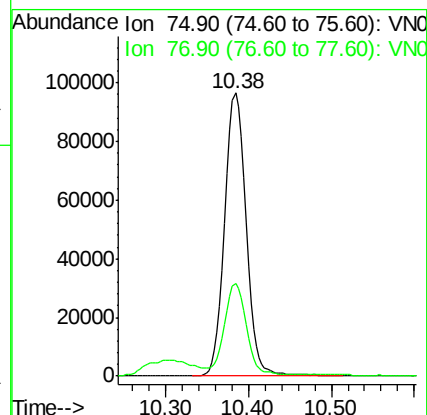
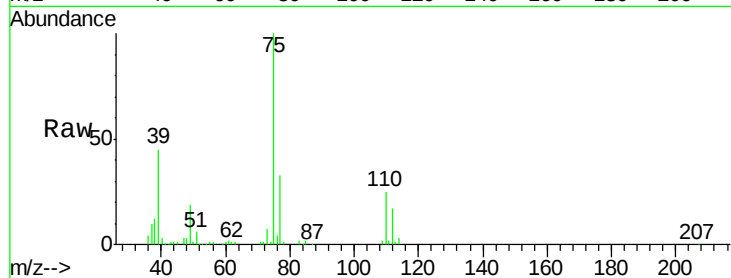
77 32.3 25.2 37.8

Manual Integrations

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7/23/2018 2:04:21 PM



#54

cis-1,3-Dichloropropene

Concen: 18.09 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

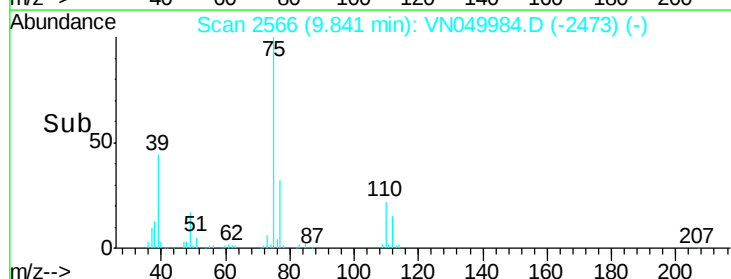
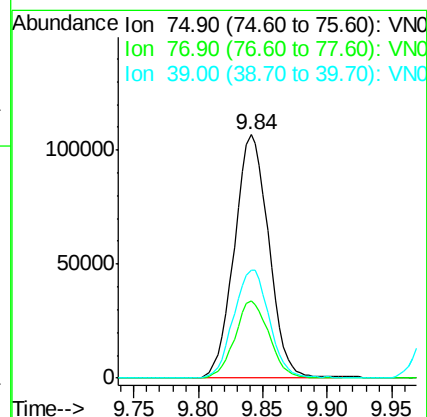
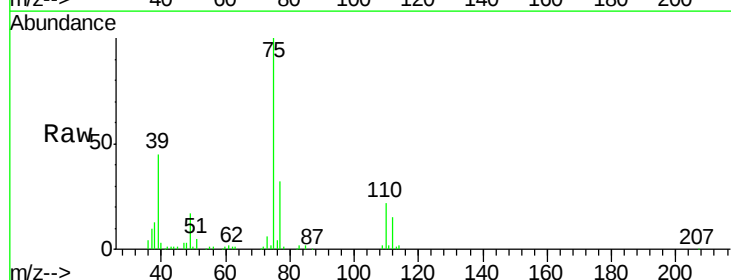
Tgt Ion: 75 Resp: 198041

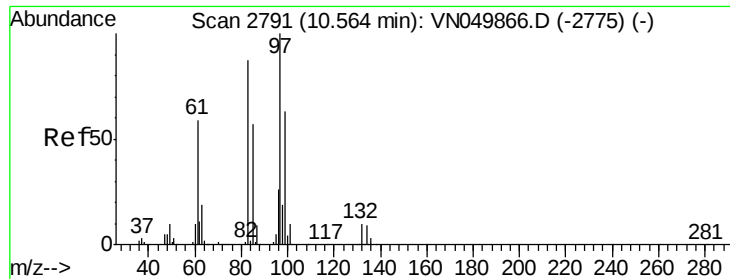
Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 44.3 35.5 53.3





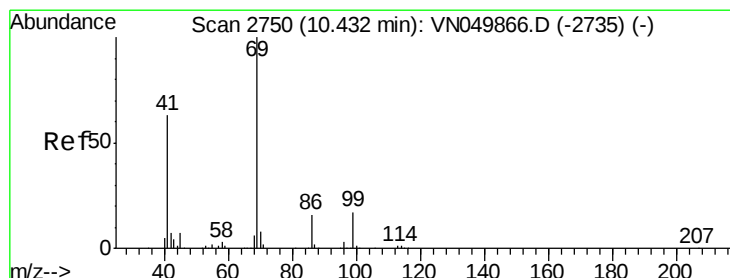
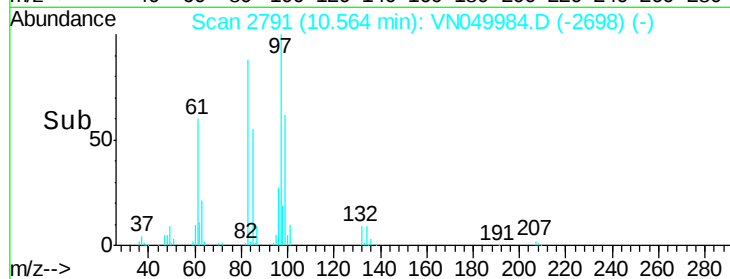
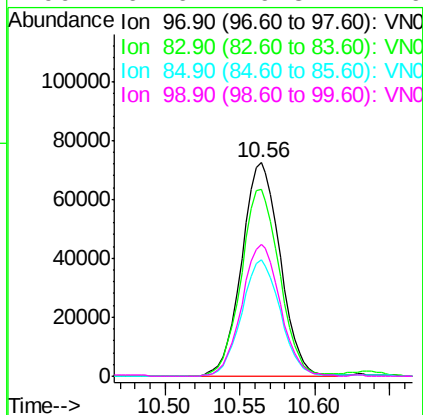
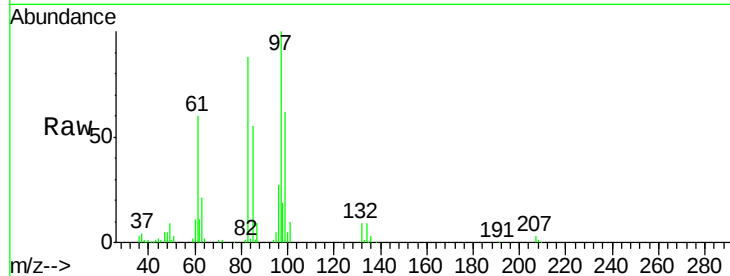
#55
 1,1,2-Trichloroethane
 Concen: 18.22 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		129986		
83	87.7	69.0	103.6		
85	54.5	44.9	67.3		
99	61.6	49.8	74.6		

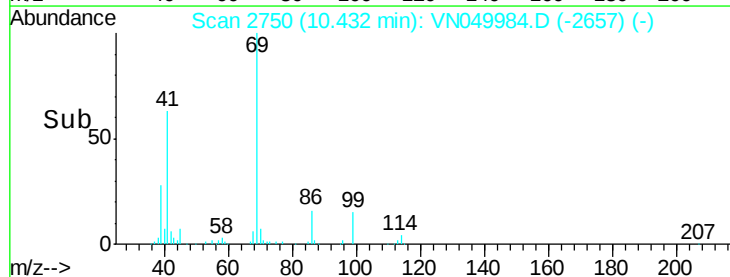
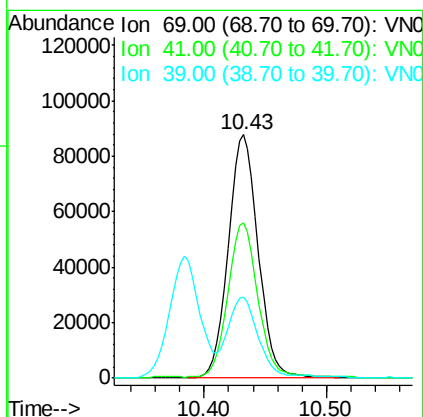
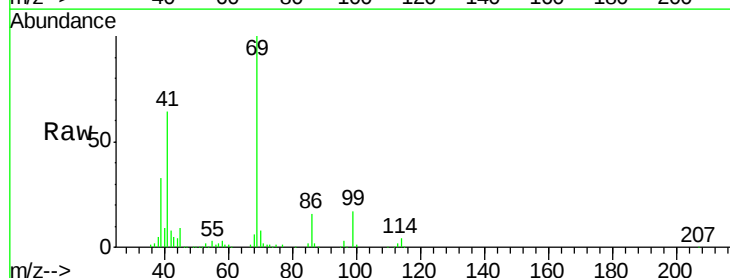
Manual Integrations
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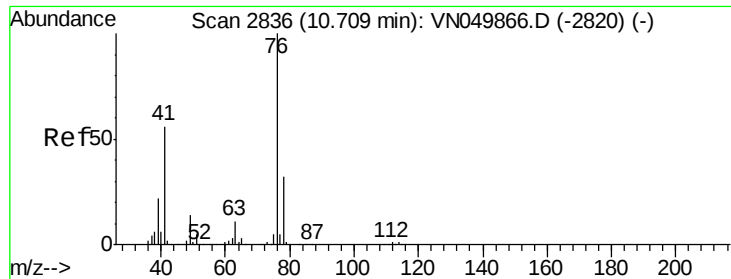
MMDadoda
 7/23/2018 2:04:21 PM



#56
 Ethyl methacrylate
 Concen: 17.18 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		150359		
41	63.2	51.6	77.4		
39	33.2	25.8	38.8		





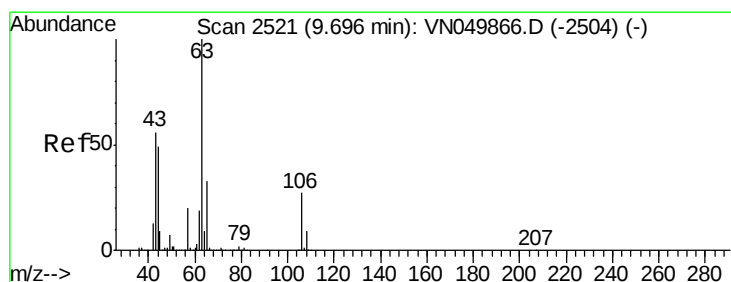
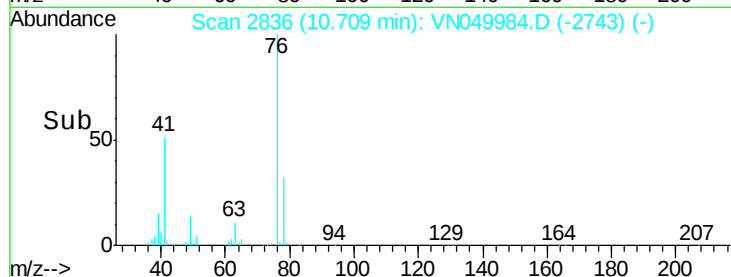
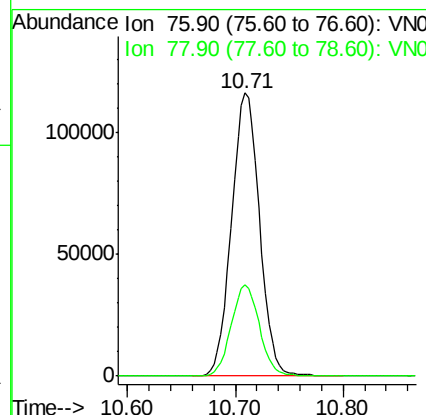
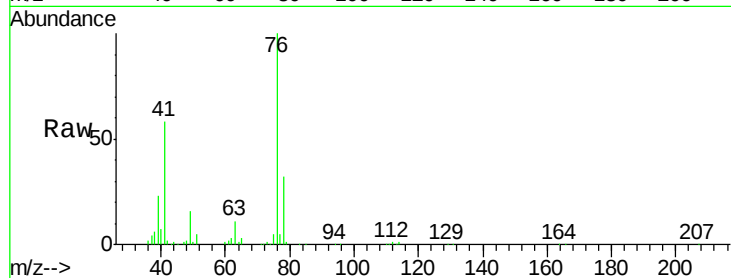
#57
 1,3-Dichloropropane
 Concen: 18.76 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS02

Tot Ion: 76 Resp: 210770
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

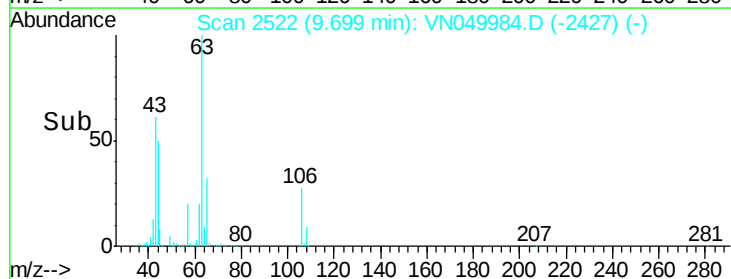
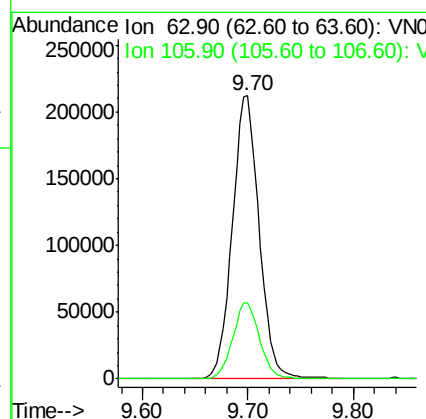
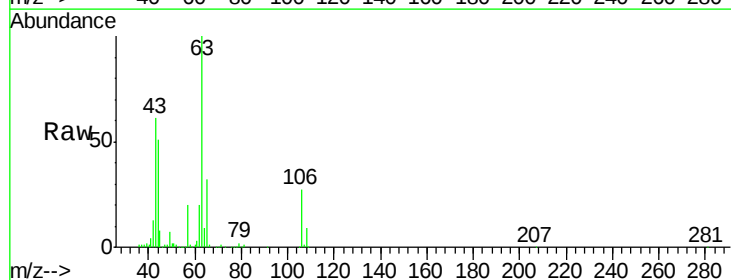
Manual Integrations
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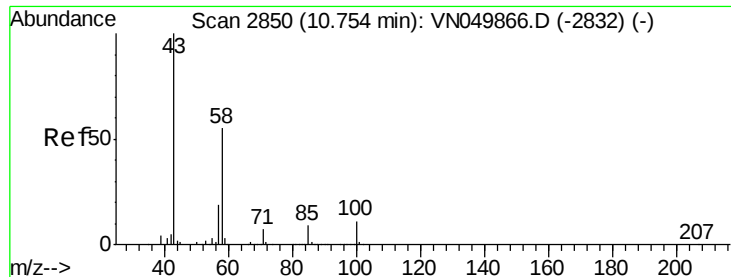
MMDadoda
 7/23/2018 2:04:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.40 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion: 63 Resp: 373185
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.8 32.8





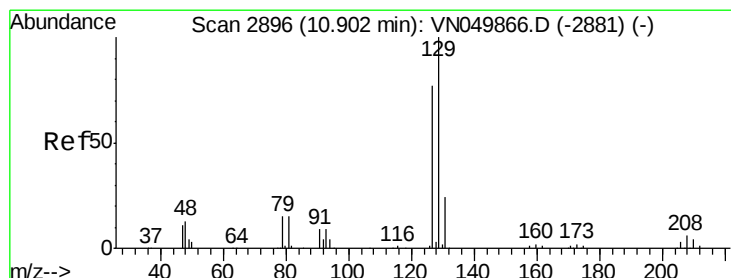
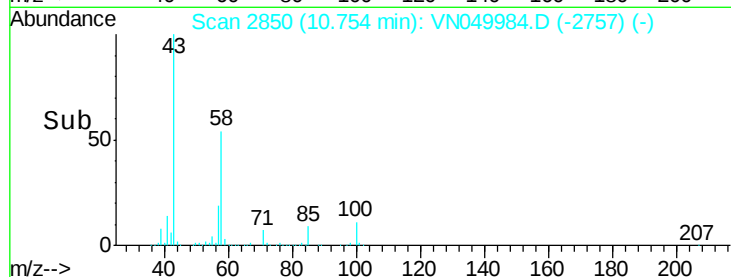
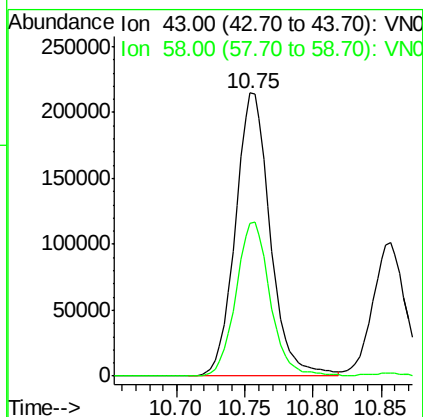
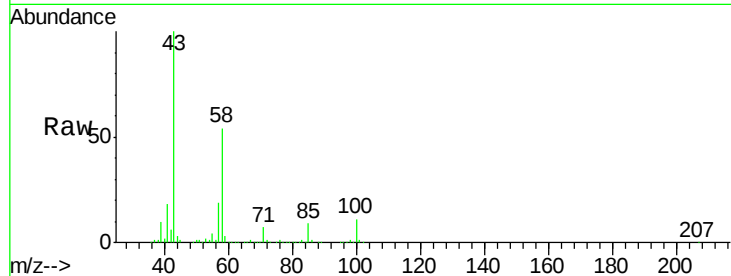
#59
2-Hexanone
Concen: 88.24 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	43	Resp	377507
Ion	Ratio	Lower	Upper
43	100		
58	53.9	27.8	83.4

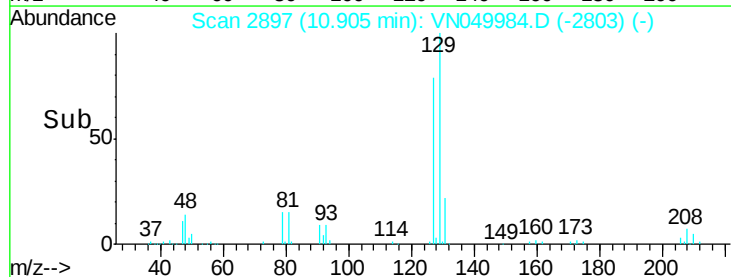
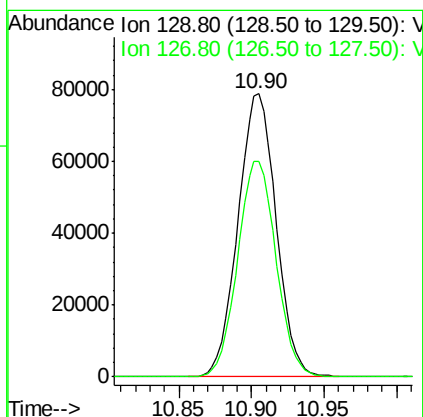
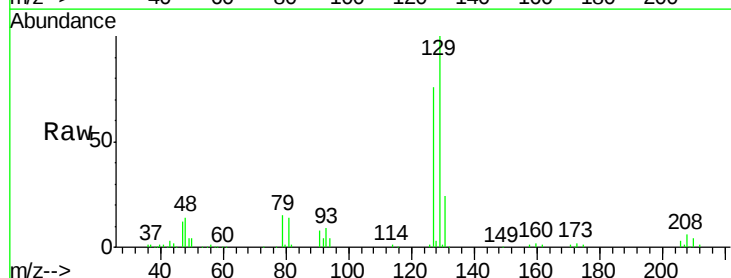
Manual Integrations
APPROVED

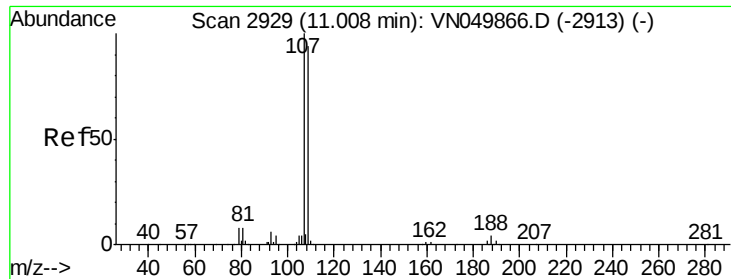
MMDadoda
7/23/2018 2:04:21 PM



#60
Dibromochloromethane
Concen: 18.44 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	129	Resp	144217
Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9





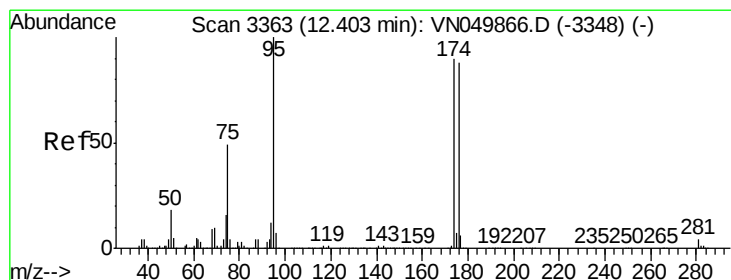
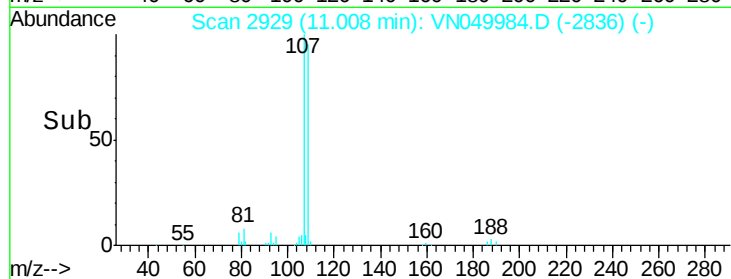
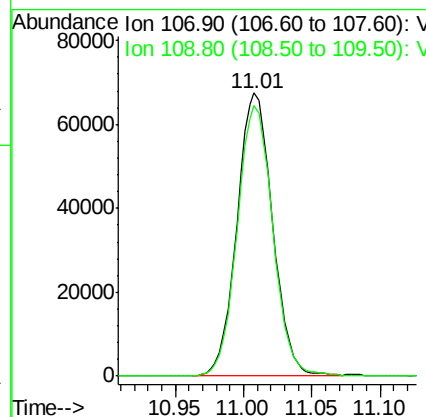
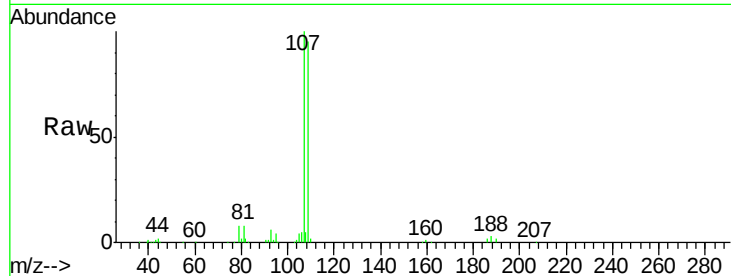
#61
 1,2-Dibromoethane
 Concen: 18.34 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	122233		
109	95.8	75.0	112.6	

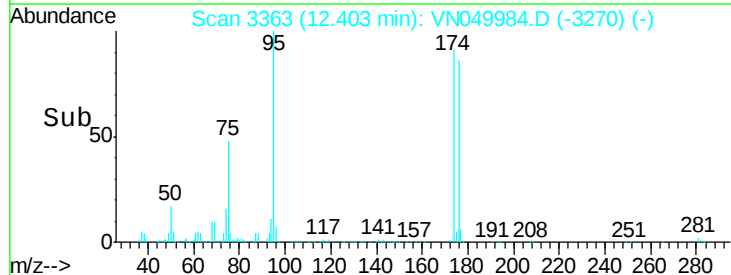
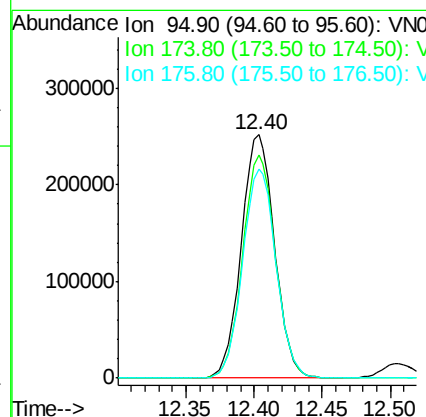
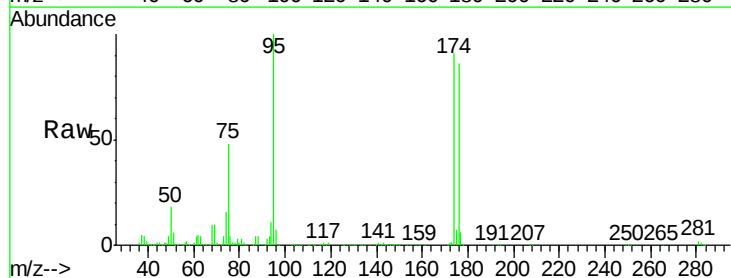
Manual Integrations
 APPROVED

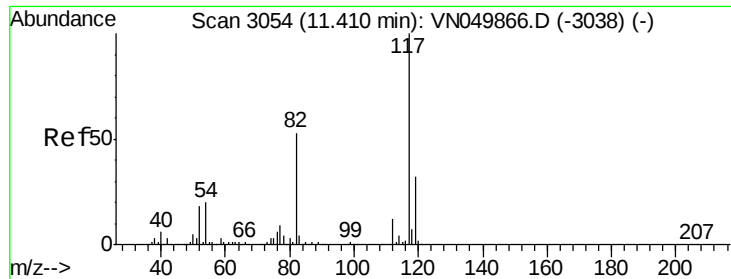
MMDadoda
 7/23/2018 2:04:21 PM



#62
 4-Bromofluorobenzene
 Concen: 47.43 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	426800		
174	90.1	0.0	179.6	
176	86.2	0.0	174.0	





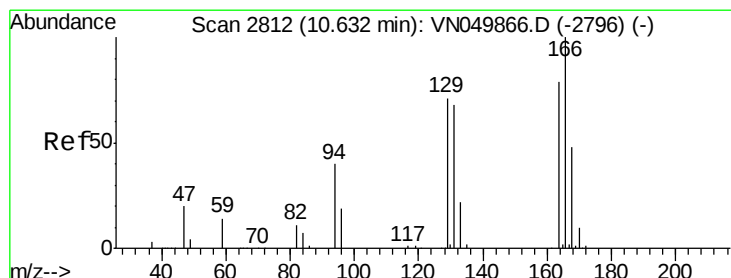
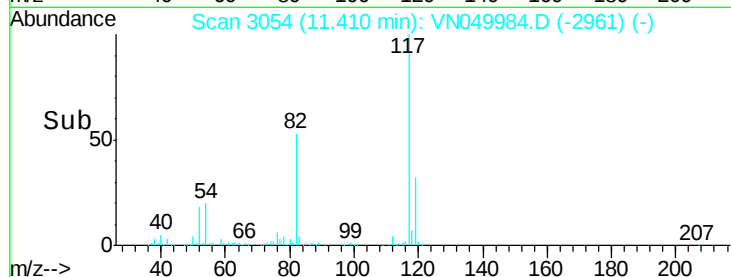
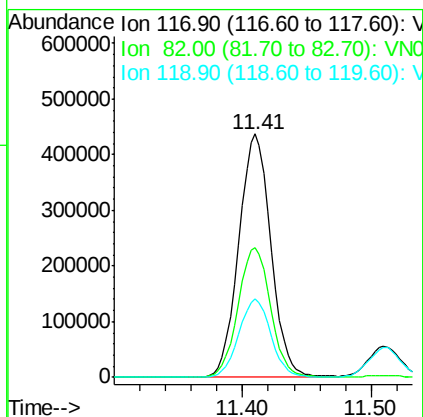
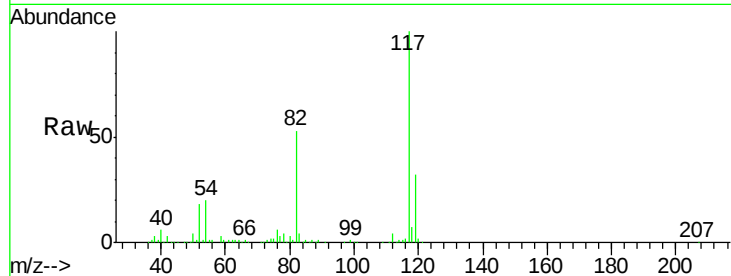
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.9	62.9
119	32.0	25.4	38.2

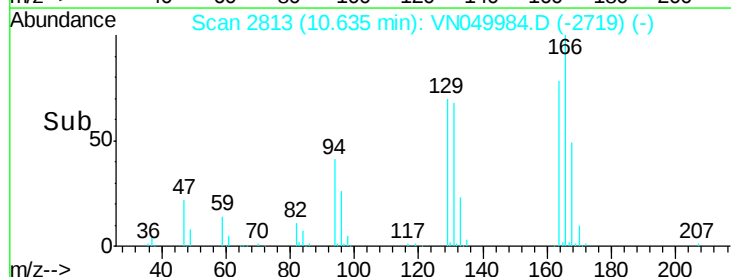
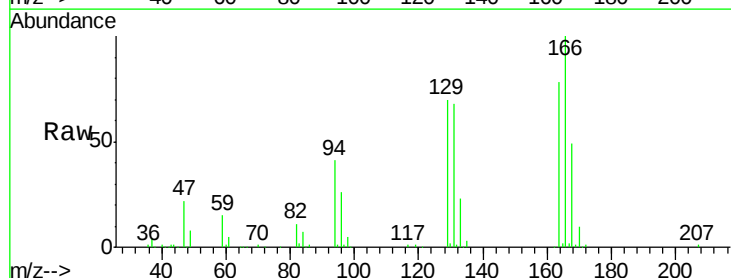
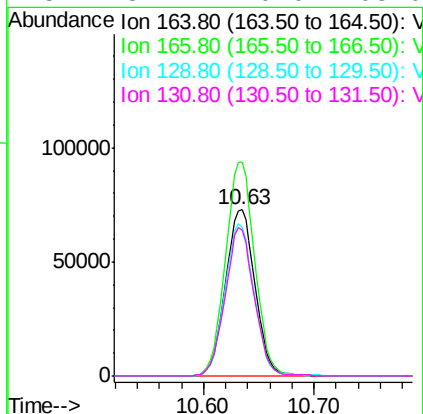
Manual Integrations
APPROVED

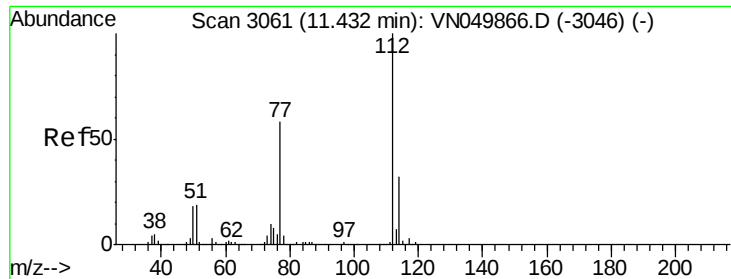
MMDadoda
7/23/2018 2:04:21 PM



#64
Tetrachloroethene
Concen: 19.82 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.8	152.6
129	89.8	72.8	109.2
131	87.7	70.0	105.0





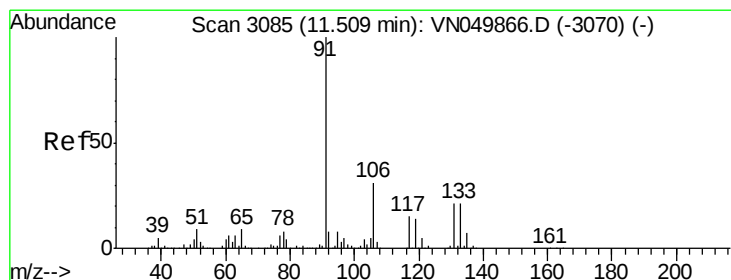
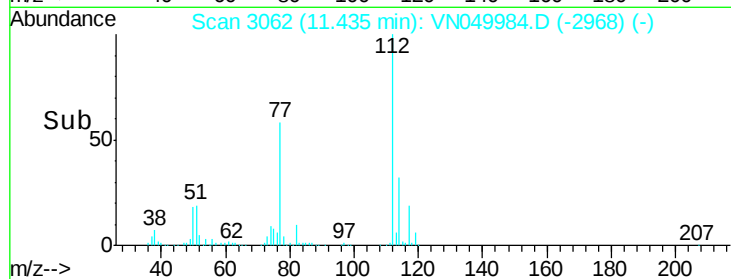
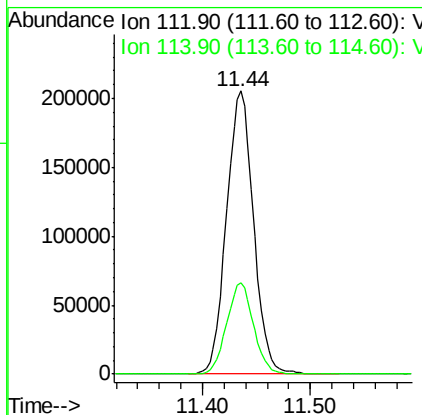
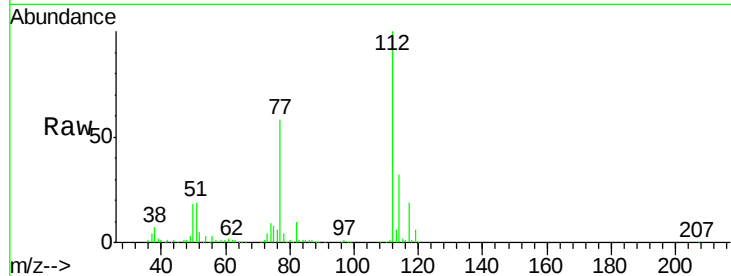
#65
Chlorobenzene
Concen: 18.83 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	359051		
114	32.3	25.4	38.0	

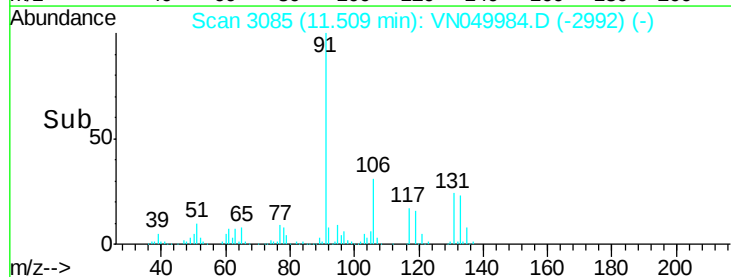
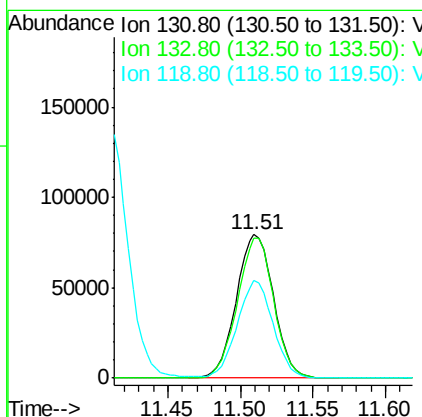
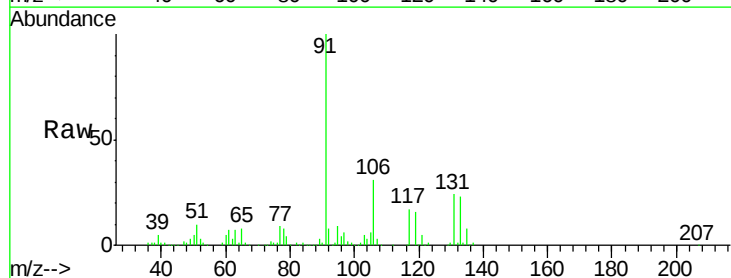
Manual Integrations
APPROVED

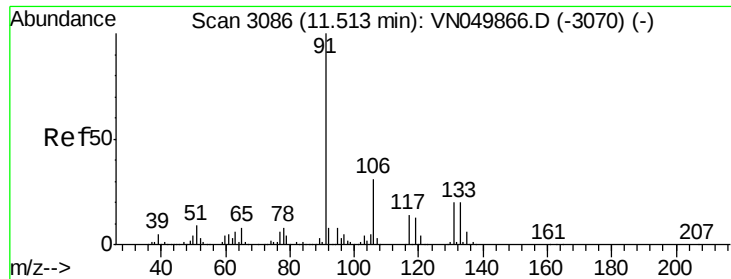
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.16 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	141537		
133	95.5	47.5	142.6	
119	66.0	33.1	99.3	





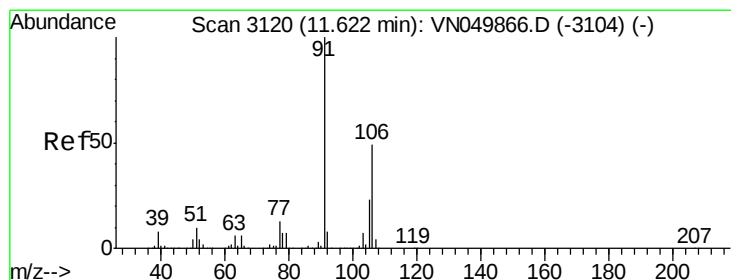
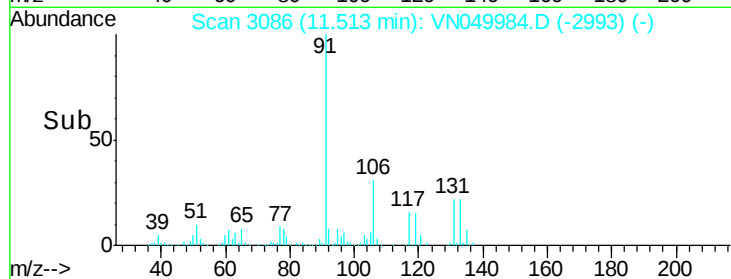
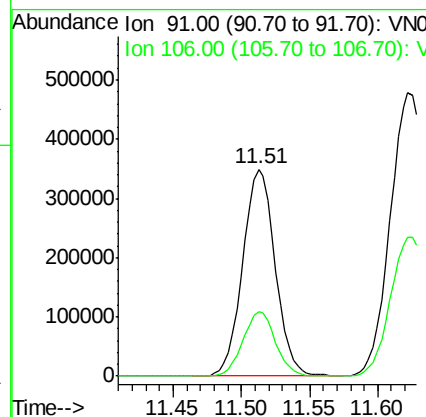
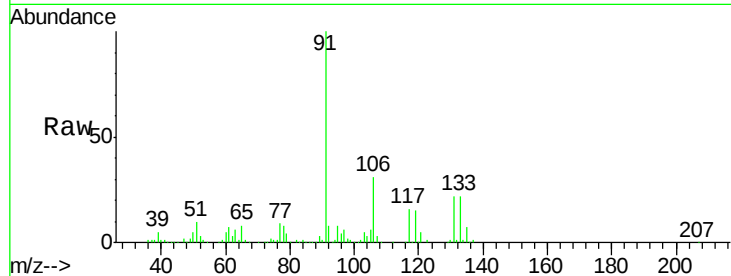
#67
Ethyl Benzene
Concen: 18.65 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS02

Tot Ion: 91 Resp: 576790
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

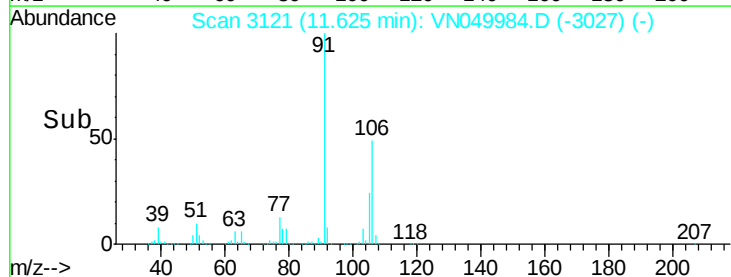
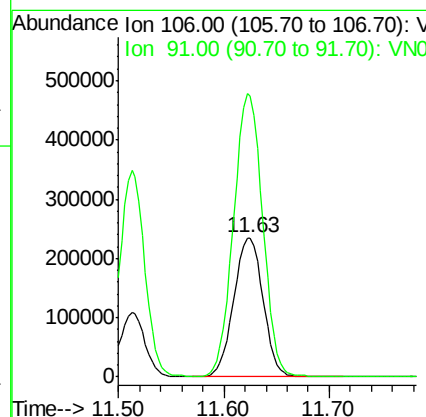
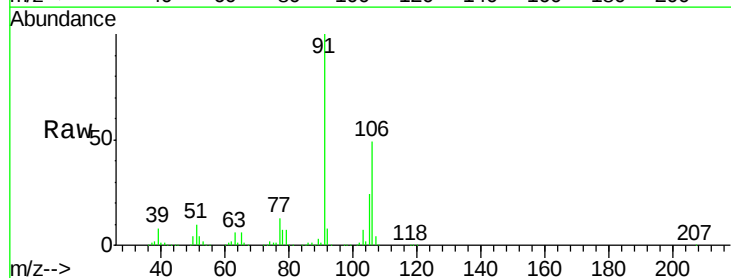
Manual Integrations
APPROVED

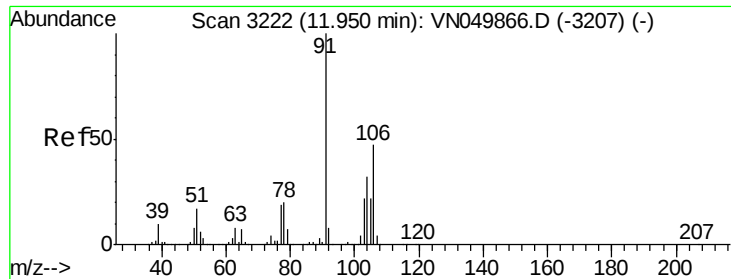
MMDadoda
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#68
m/p-Xylenes
Concen: 38.59 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 106 Resp: 451902
Ion Ratio Lower Upper
106 100
91 201.7 163.4 245.2





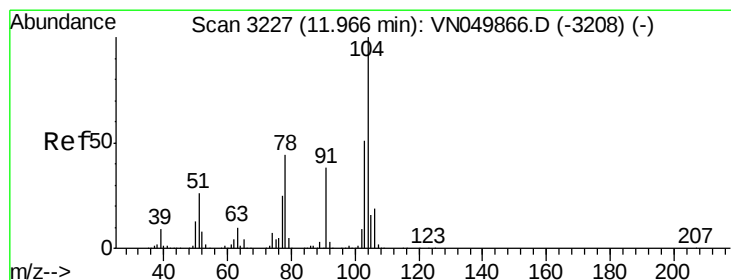
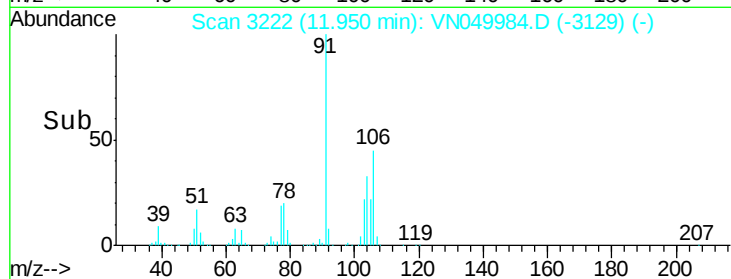
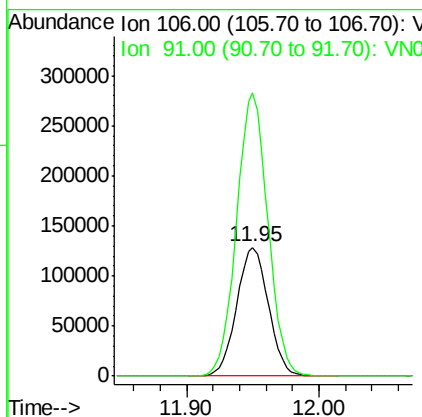
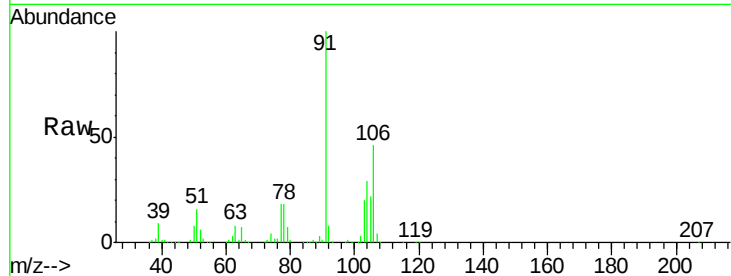
#69
o-Xylene
Concen: 19.04 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.9	108.7	326.1

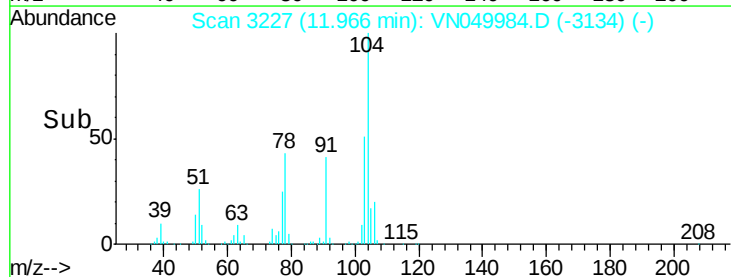
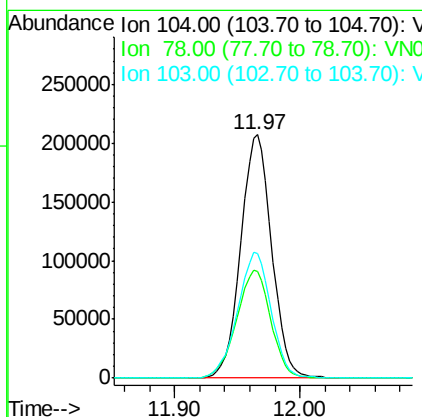
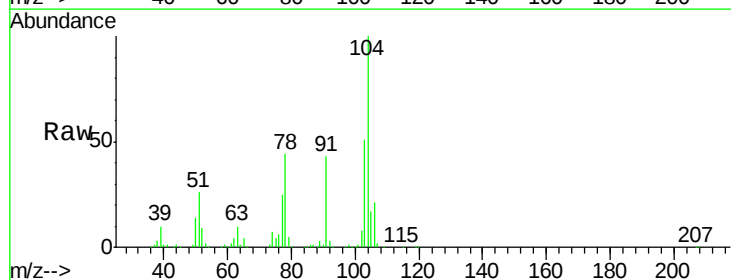
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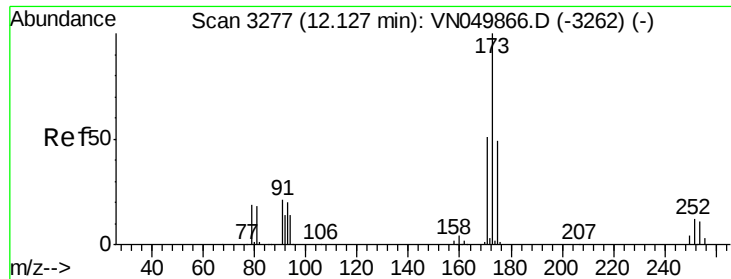
MMDadoda
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#70
Styrene
Concen: 19.54 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.2	58.8
103	56.1	44.6	67.0





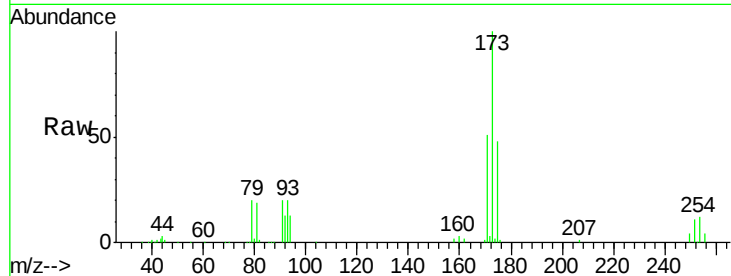
#71
Bromoform
Concen: 18.90 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

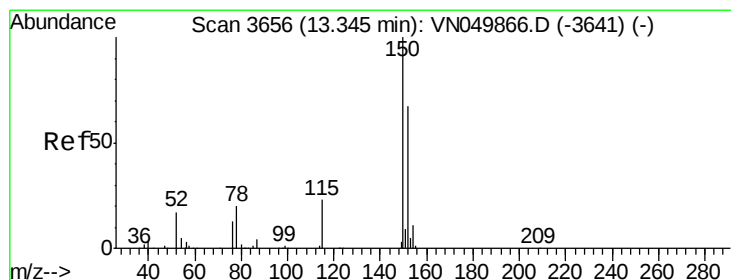
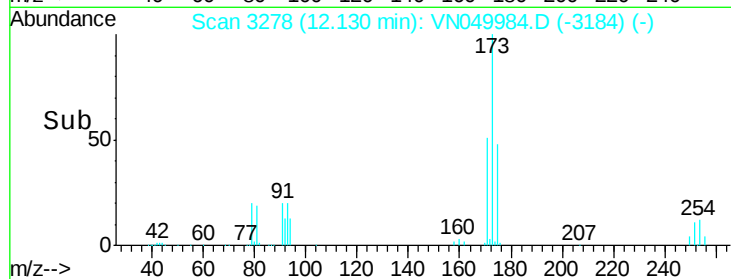
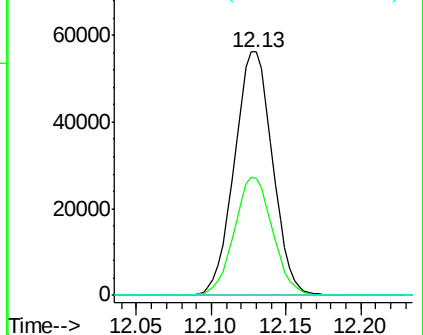
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.8
254	0.0	0.2	0.2

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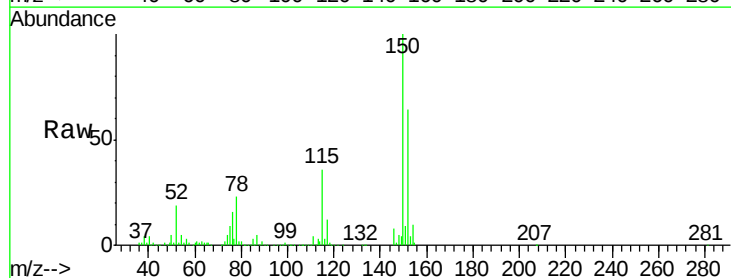


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

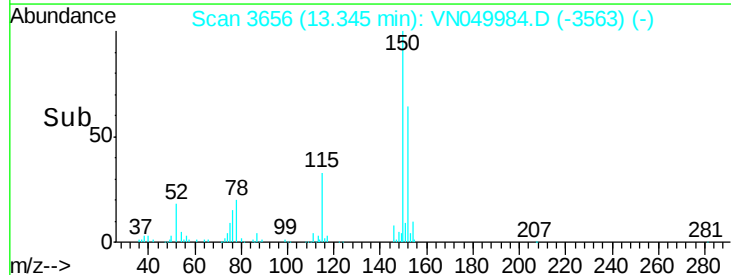
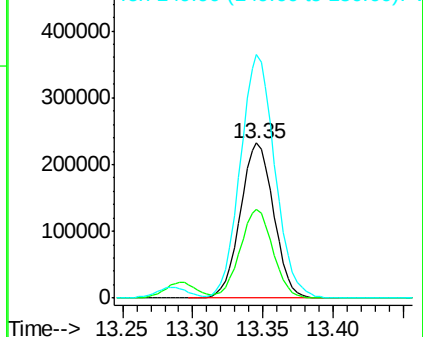


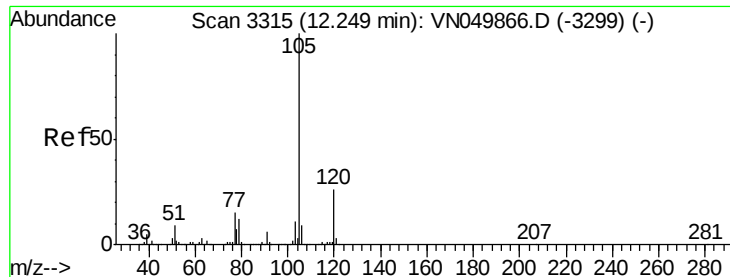
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.1	84.2
150	163.5	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: 19.60 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

Tot Ion: 105 Resp: 571608

Ion Ratio Lower Upper

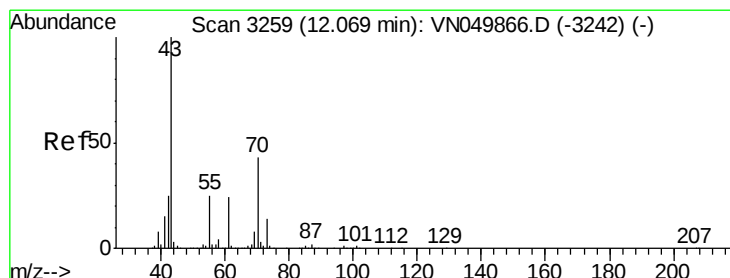
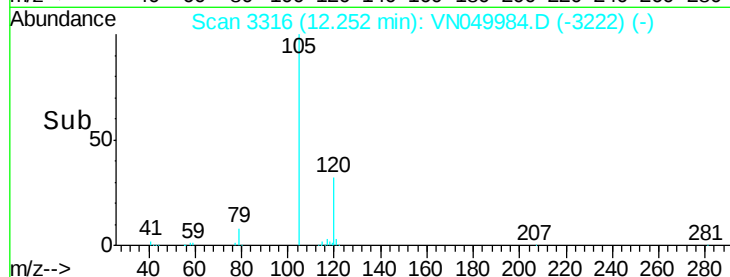
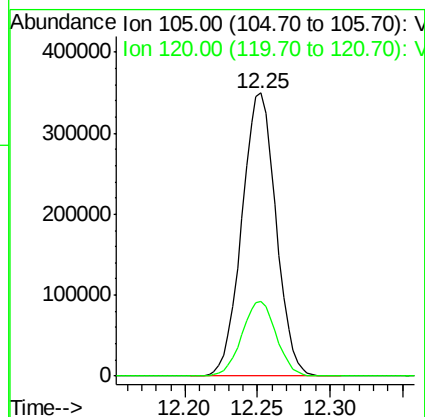
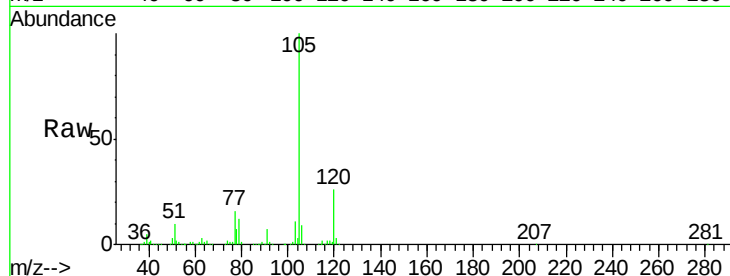
105 100

120 26.7 13.3 39.8

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#74

N-ethyl acetate

Concen: 18.52 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion: 43 Resp: 164433

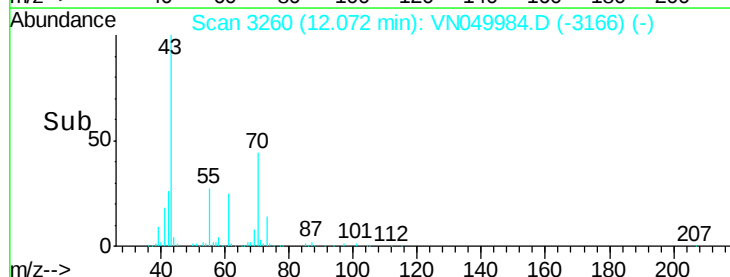
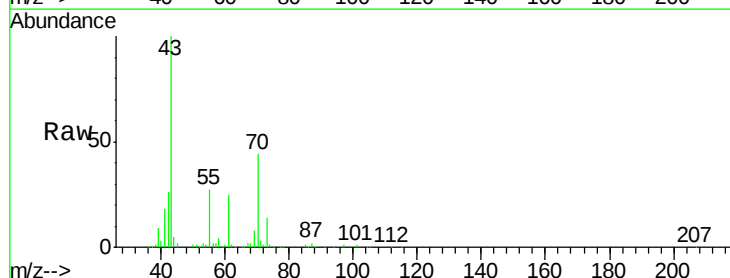
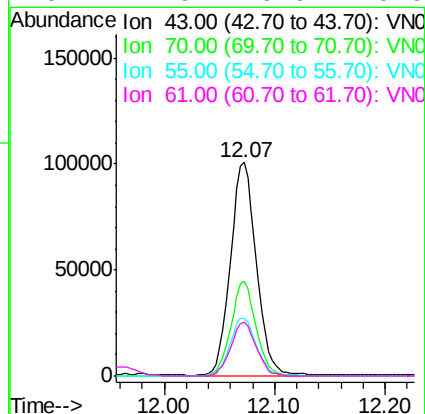
Ion Ratio Lower Upper

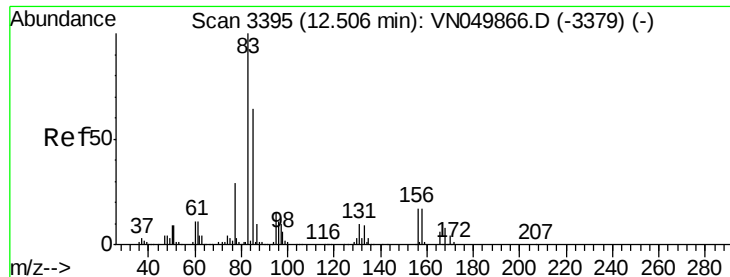
43 100

70 42.5 34.8 52.2

55 27.6 20.9 31.3

61 24.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.89 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

Tot Ion: 83 Resp: 165088

Ion Ratio Lower Upper

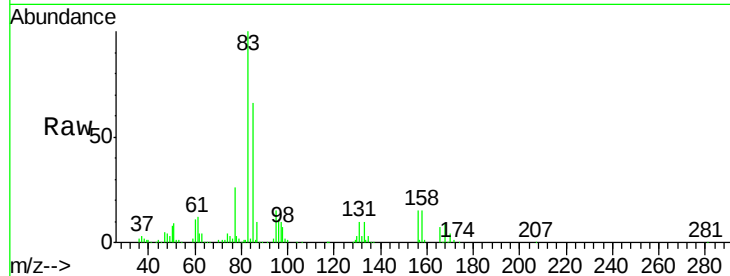
83 100

131 10.4 5.2 15.6

85 64.5 32.5 97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049866.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049866.D (-3379) (-)

12.51

100000

80000

60000

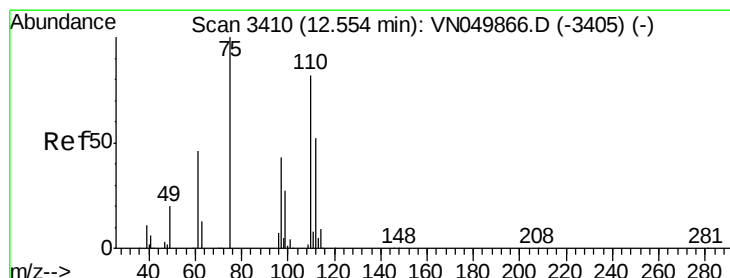
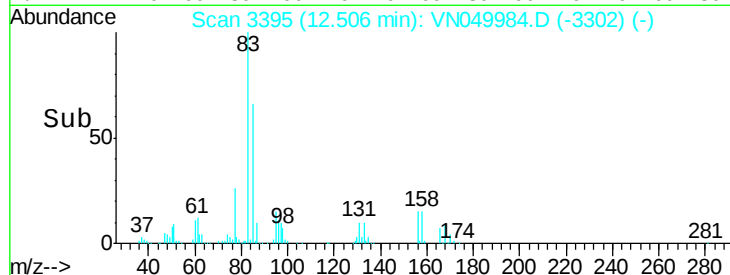
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.15 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049984.D

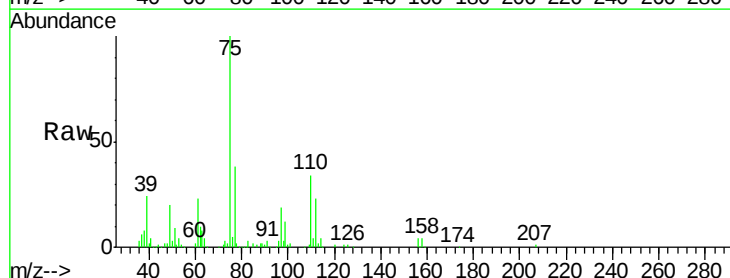
Acq: 21 Jul 2018 2:39

Tgt Ion: 75 Resp: 137920

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049866.D (-3405) (-)

150000

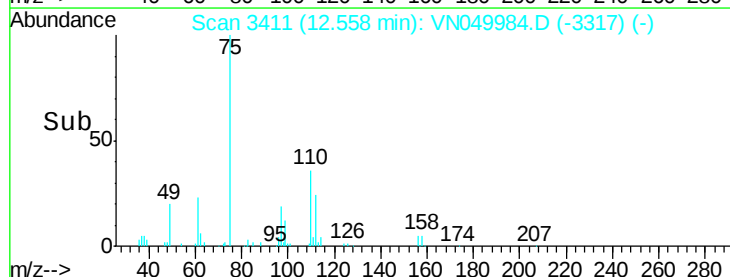
100000

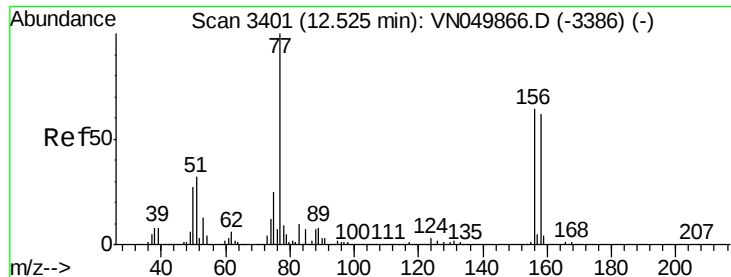
50000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 19.26 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

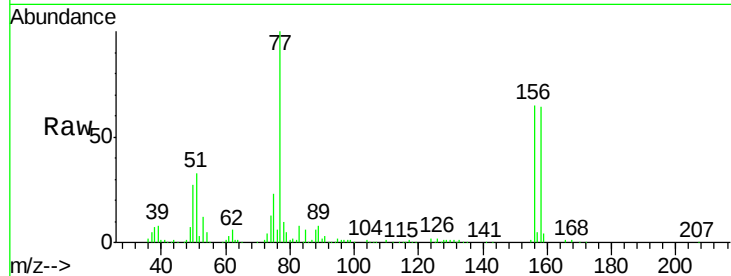
ClientSampled :

VN0720WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.1	90.2	270.6
158	97.3	49.1	147.3

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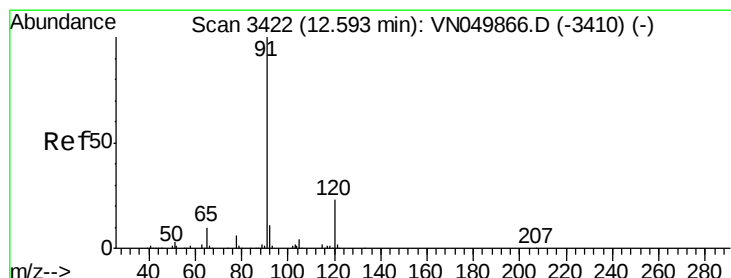
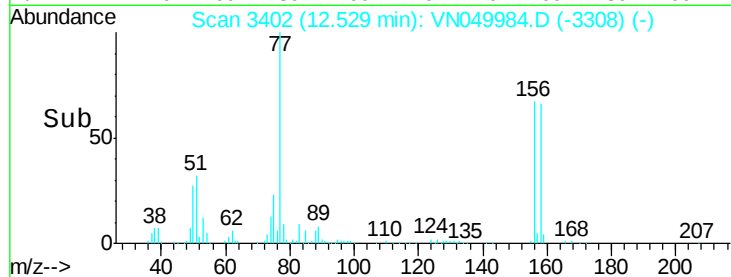
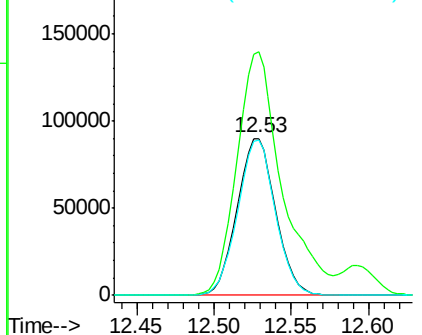
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.65 ug/l

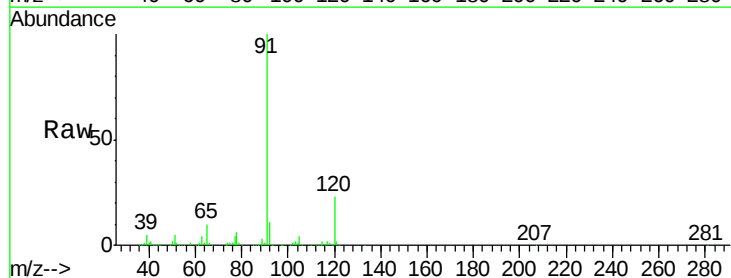
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049984.D

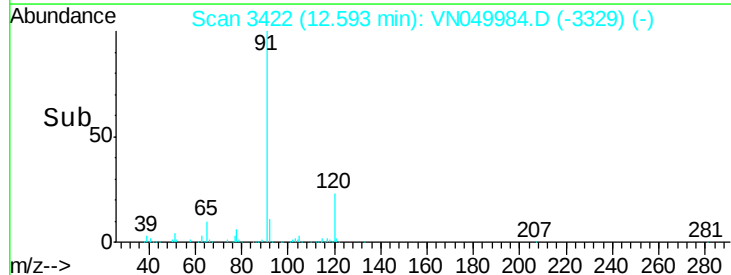
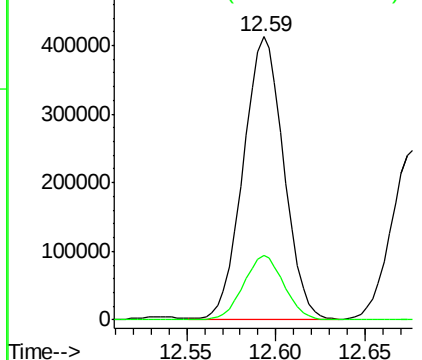
Acq: 21 Jul 2018 2:39

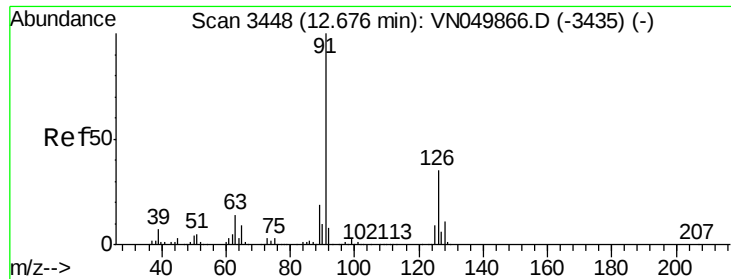
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.98 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

Tot Ion: 91 Resp: 406722

Ion Ratio Lower Upper

91 100

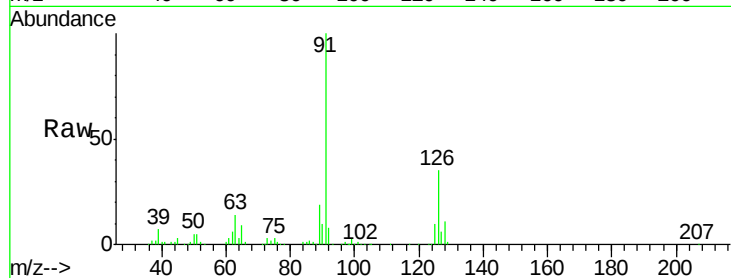
126 35.2 17.5 52.5

Manual Integrations

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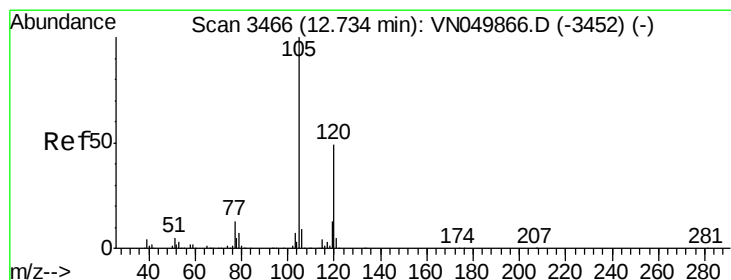
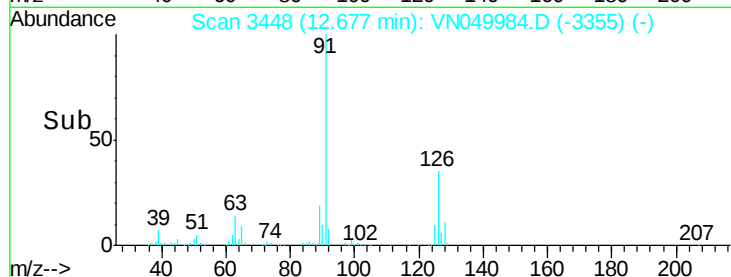
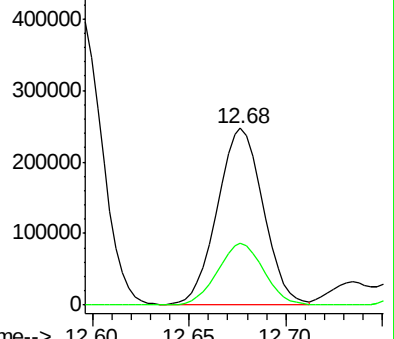
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Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.19 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049984.D

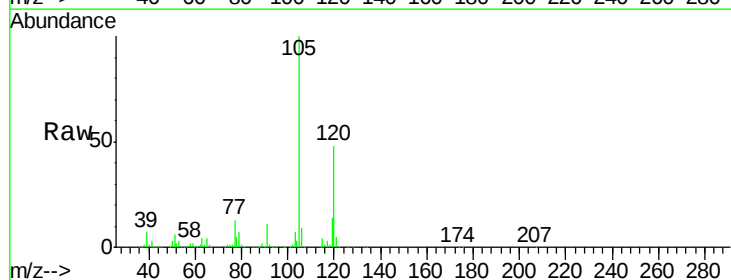
Acq: 21 Jul 2018 2:39

Tgt Ion: 105 Resp: 471886

Ion Ratio Lower Upper

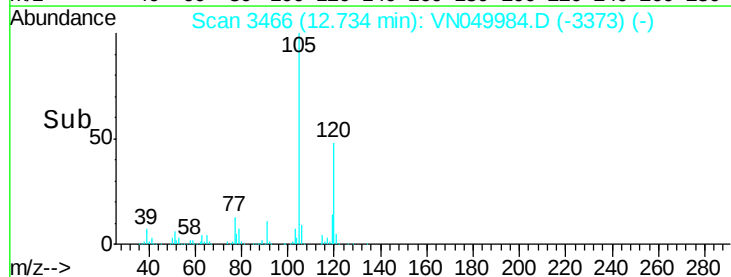
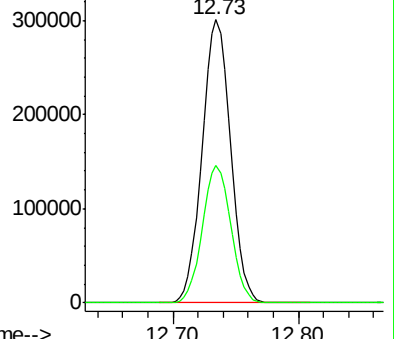
105 100

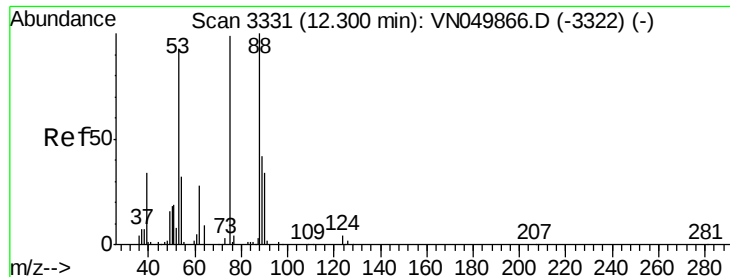
120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.68 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

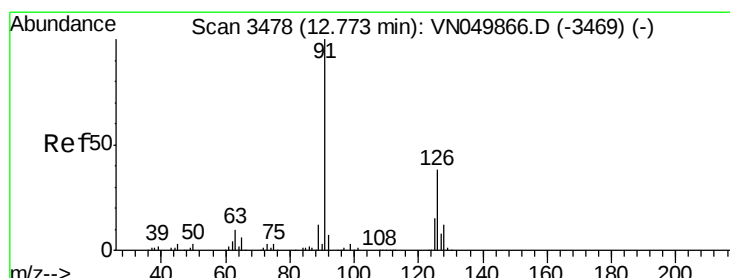
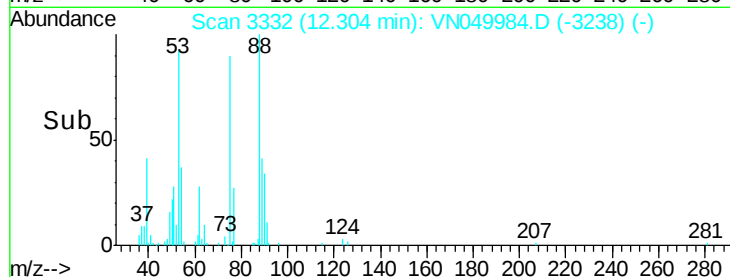
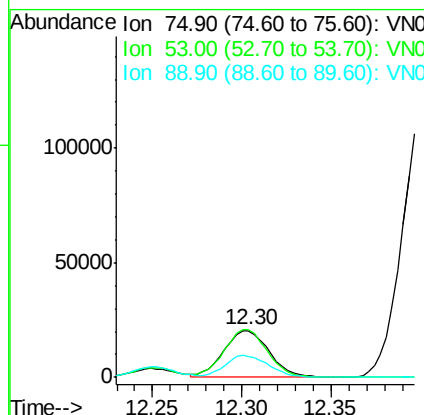
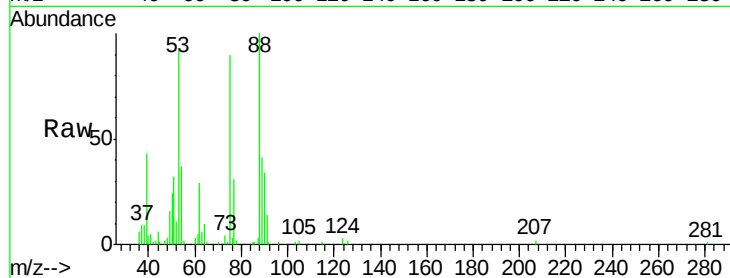
ClientSampled :

VN0720WBS02

Tot Ion:	75	Resp:	36120
Ion Ratio	Lower	Upper	
75	100		
53	99.5	73.9	110.9
89	45.5	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.84 ug/l

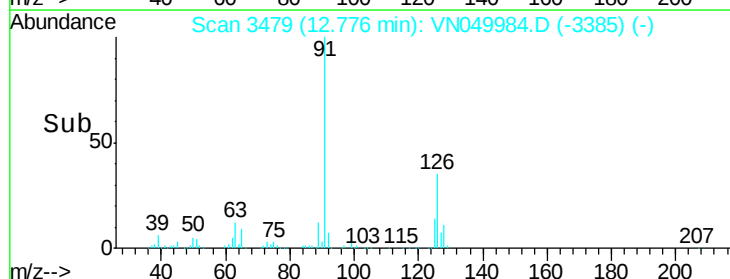
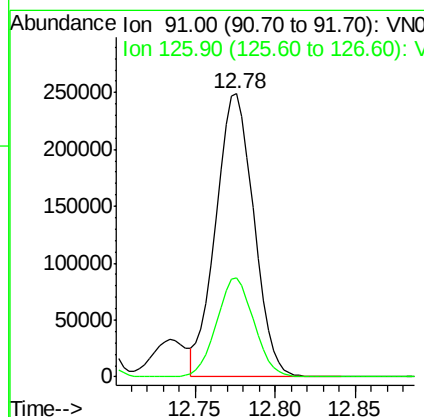
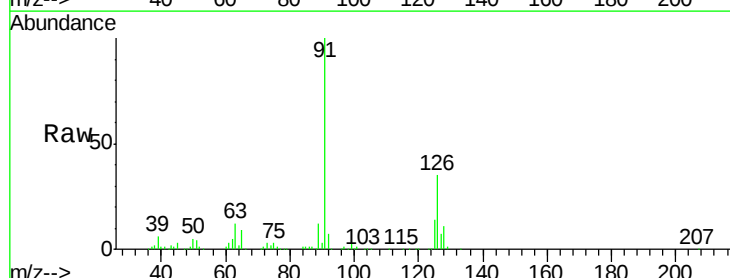
RT: 12.78 min Scan# 3479

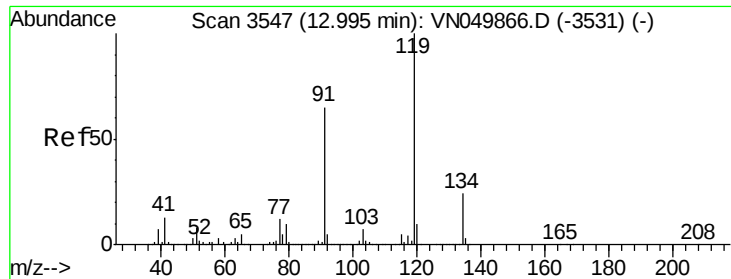
Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion:	91	Resp:	405257
Ion Ratio	Lower	Upper	
91	100		
126	34.4	17.2	51.6





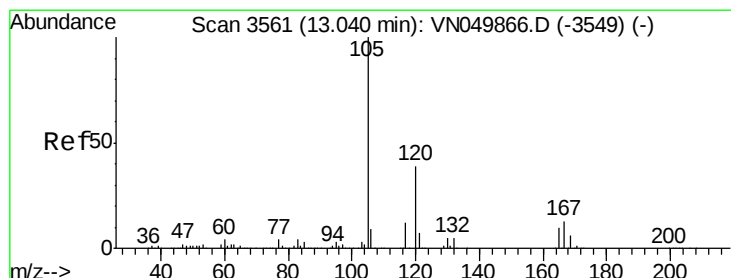
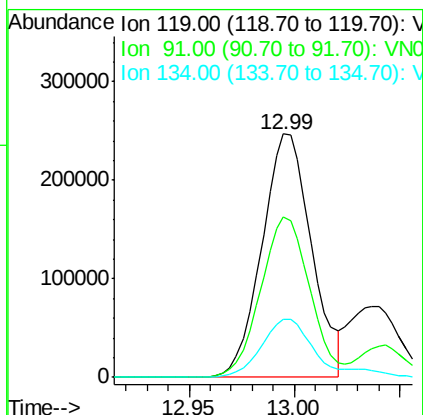
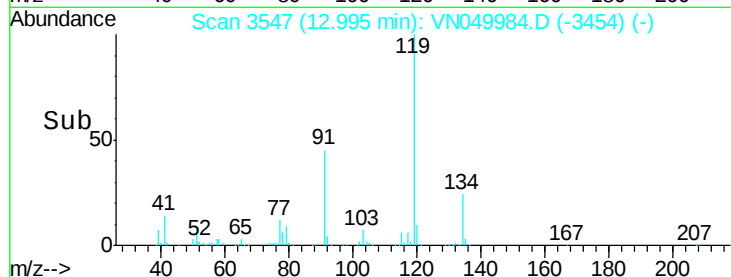
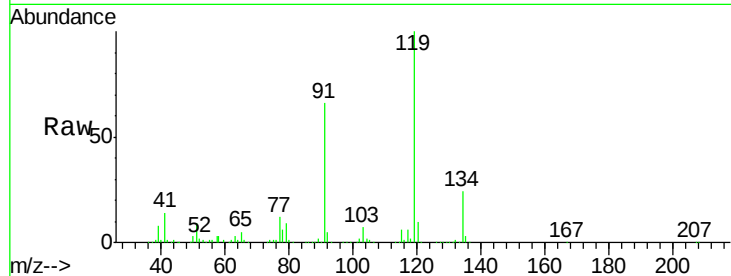
#83
 tert-Butylbenzene
 Concen: 19.69 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	404145		
91	65.3	32.0	96.2	
134	26.6	12.8	38.4	

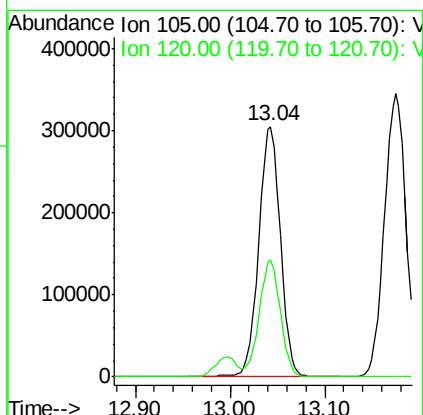
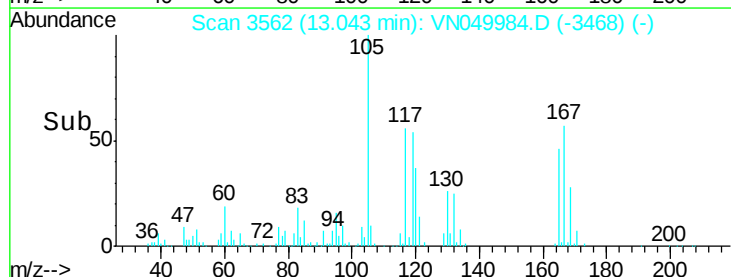
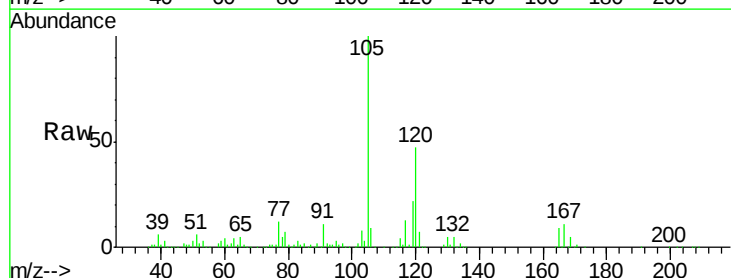
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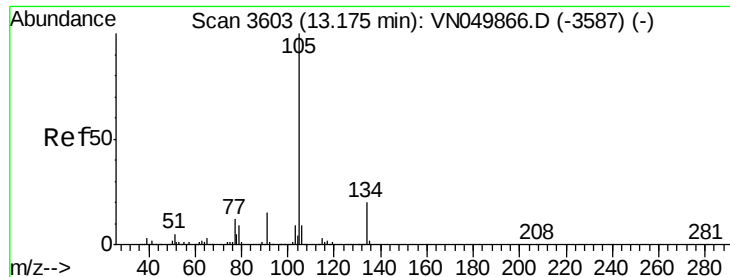
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.46 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	484496		
120	45.5	22.7	68.1	





#85

sec-Butylbenzene

Concen: 20.12 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

Tot Ion:105 Resp: 545724

Ion Ratio Lower Upper

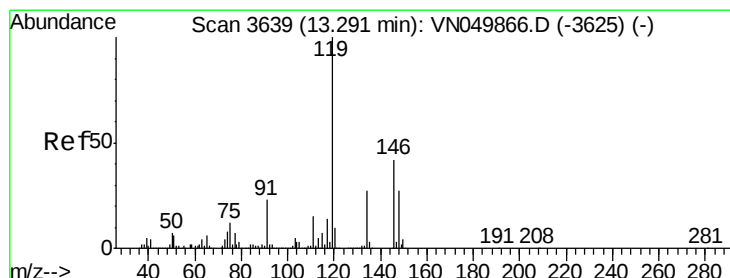
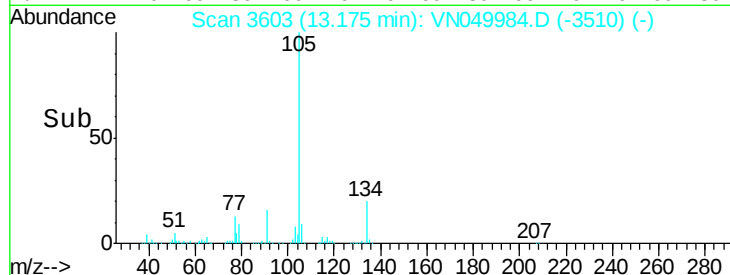
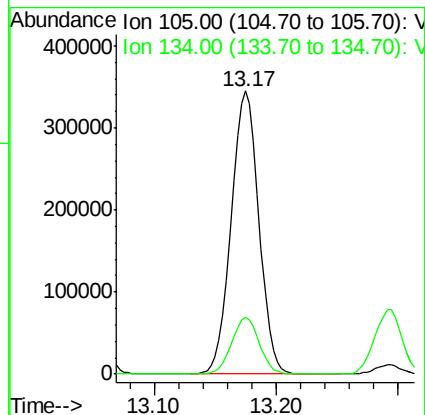
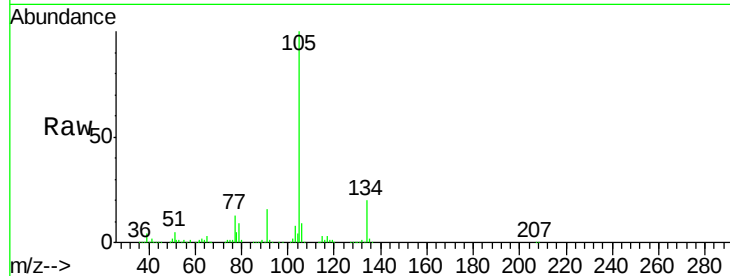
105 100

134 20.1 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.82 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

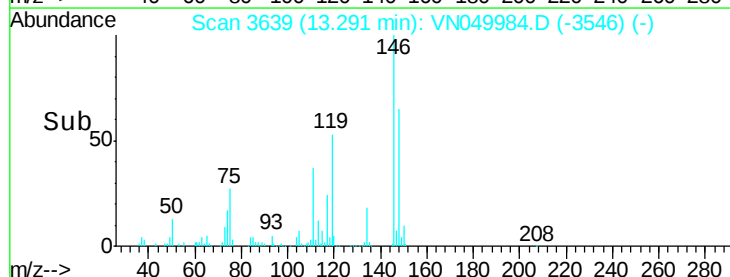
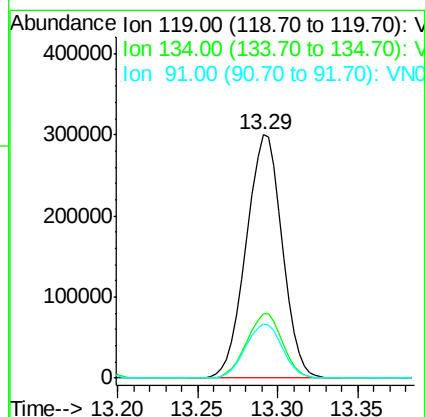
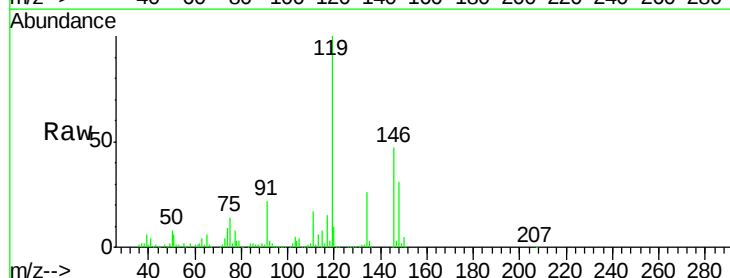
Tgt Ion:119 Resp: 458416

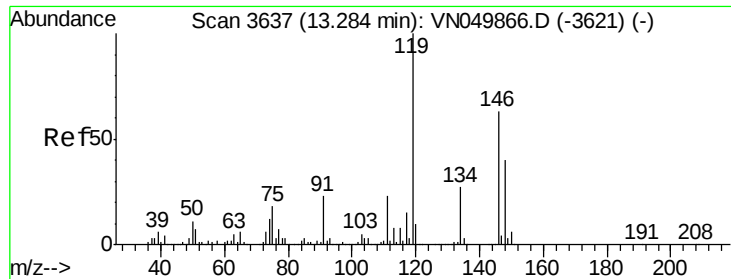
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.7 11.4 34.1





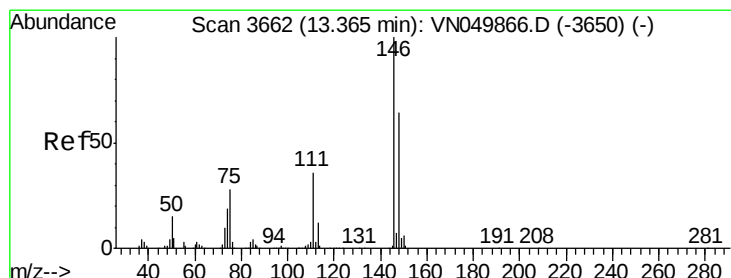
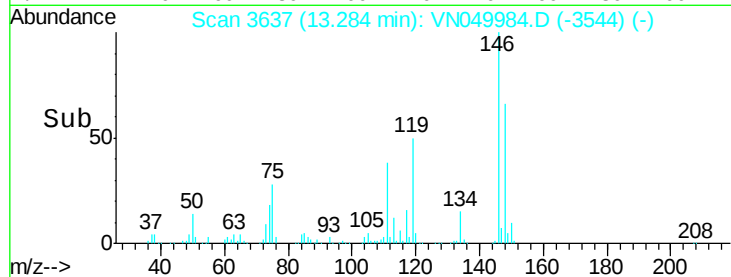
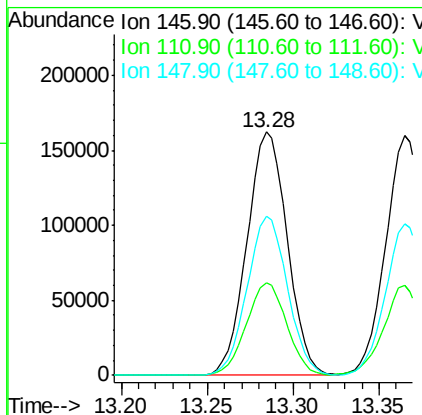
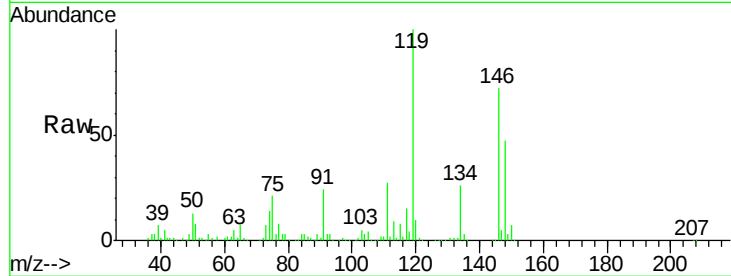
#87
 1,3-Dichlorobenzene
 Concen: 18.85 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	65.4	32.5	97.5

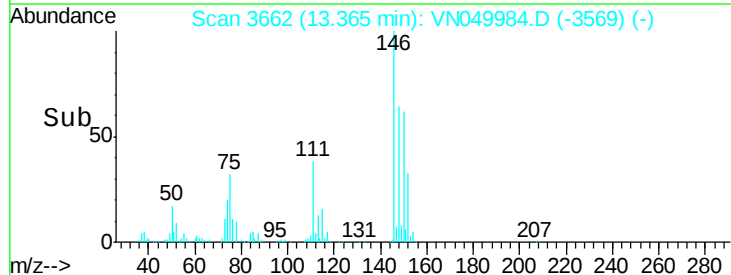
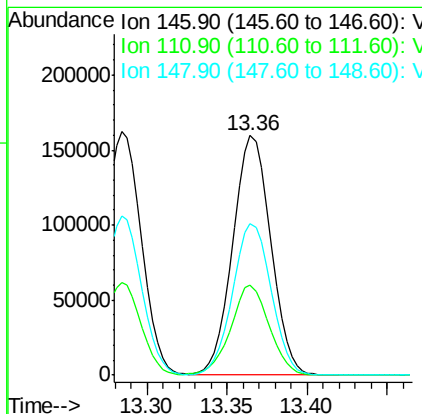
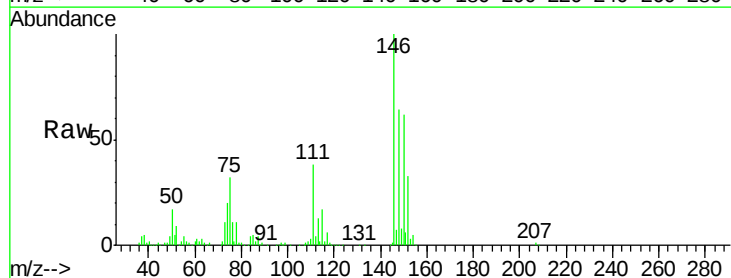
Manual Integrations
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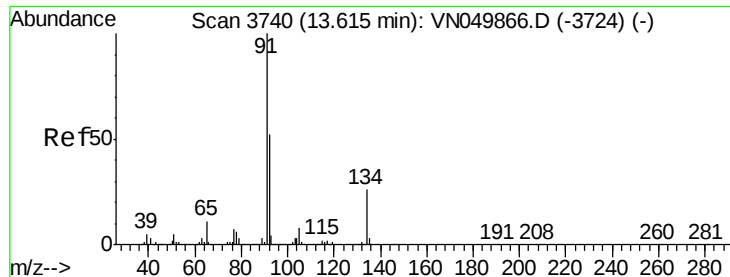
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#88
 1,4-Dichlorobenzene
 Concen: 18.38 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	64.2	32.1	96.3





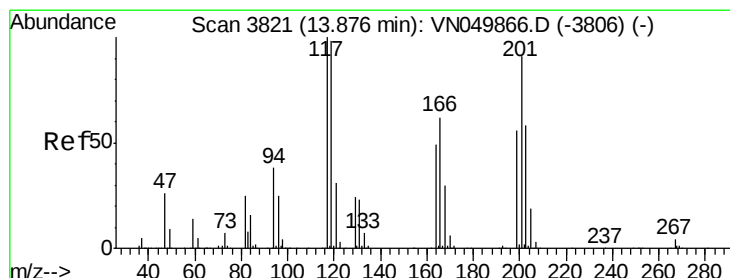
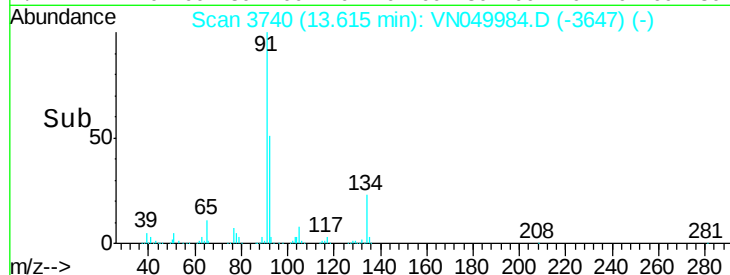
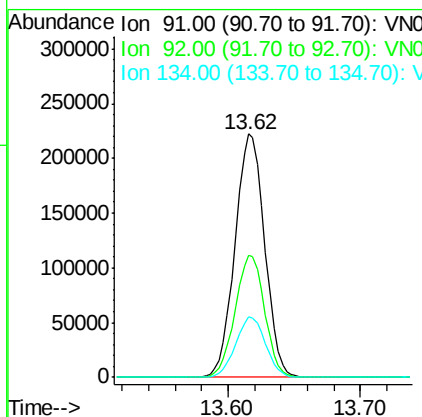
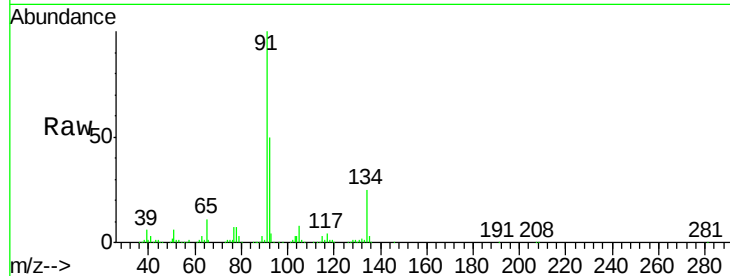
#89
n-Butylbenzene
Concen: 18.05 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		344660		
92	49.8	25.8	77.3		
134	24.9	13.0	38.9		

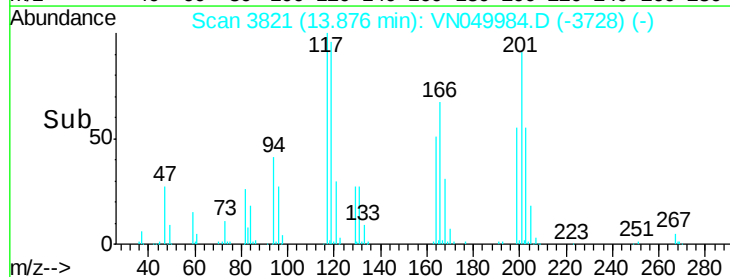
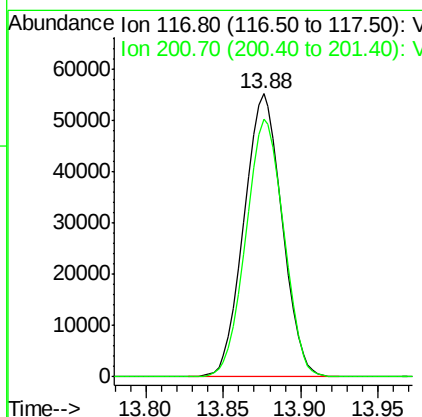
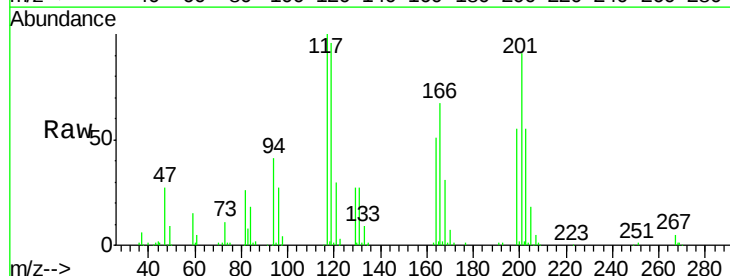
Manual Integrations
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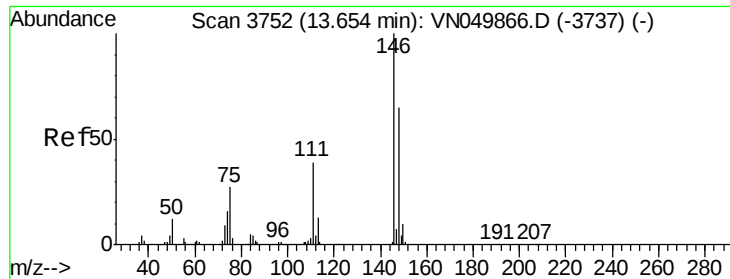
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#90
Hexachloroethane
Concen: 18.22 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		94591		
201	90.6	45.3	135.8		





#91

1,2-Dichlorobenzene

Concen: 19.51 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

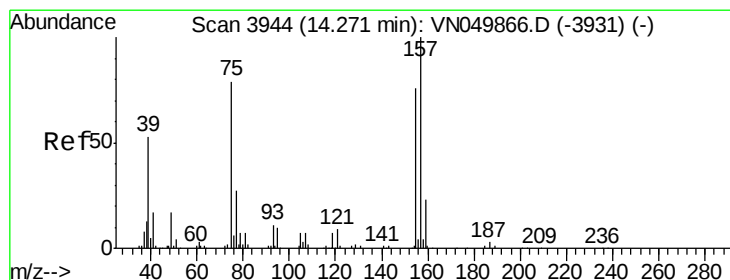
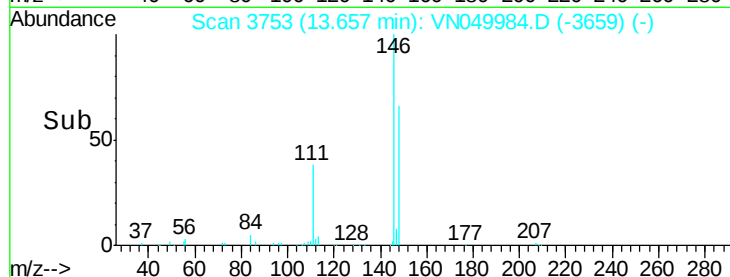
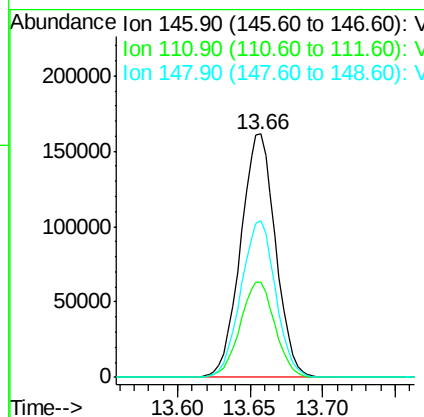
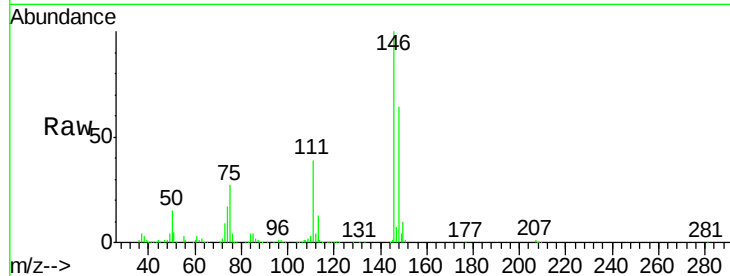
ClientSampleId :

VN0720WBS02

Tot Ion:	146	Resp:	269225
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.7	59.1
148	64.0	32.0	96.2

Manual Integrations
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7/23/2018 2:04:21 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.80 ug/l

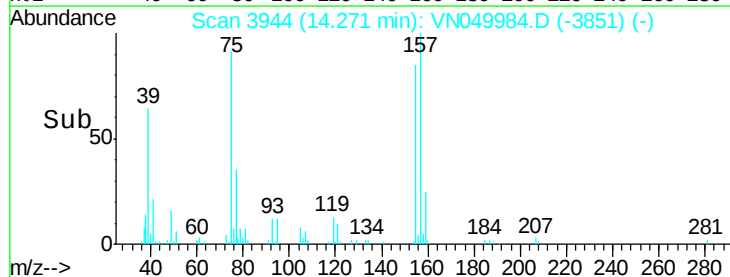
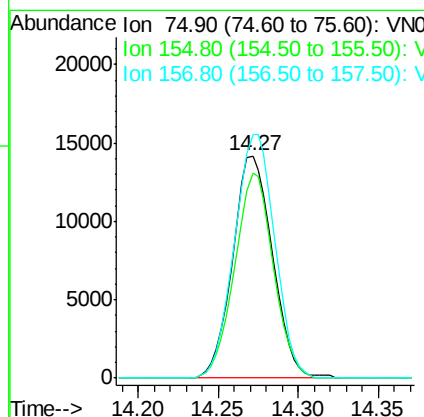
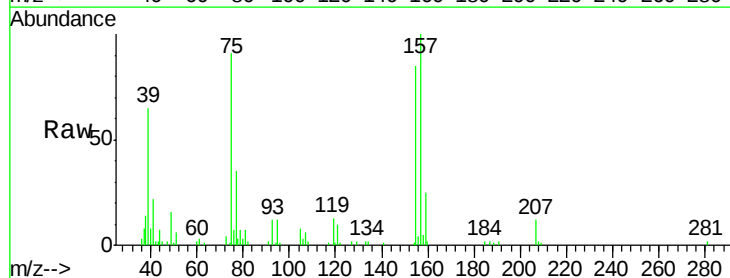
RT: 14.27 min Scan# 3944

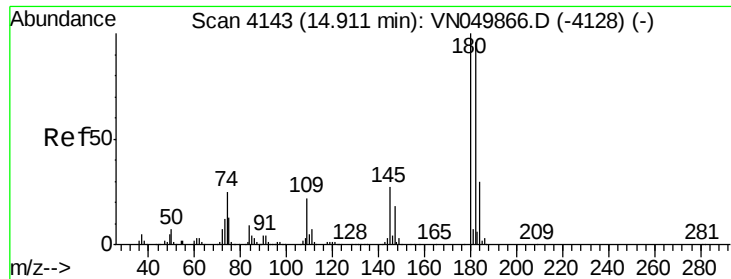
Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion:	75	Resp:	24025
Ion Ratio	Lower	Upper	
75	100		
155	89.3	45.7	137.1
157	110.8	56.9	170.7





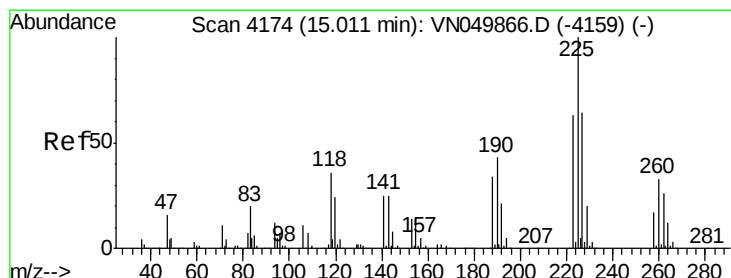
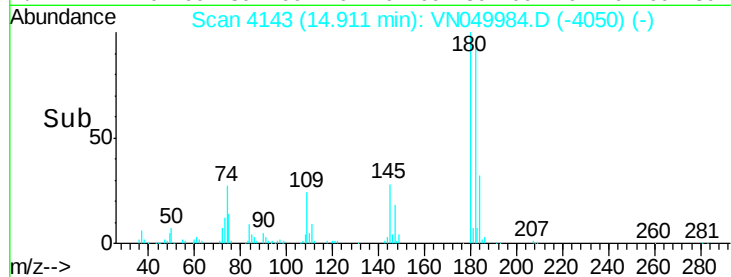
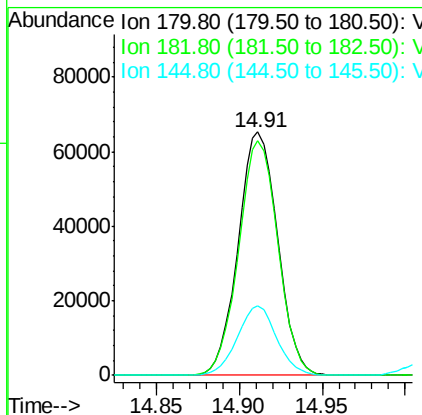
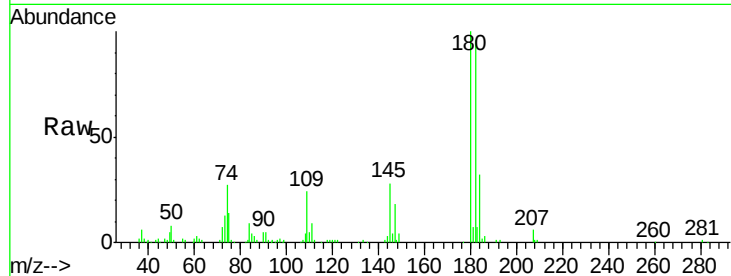
#93
 1,2,4-Trichlorobenzene
 Concen: 16.68 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107947		
182	95.7	47.3	141.9	
145	28.5	14.4	43.0	

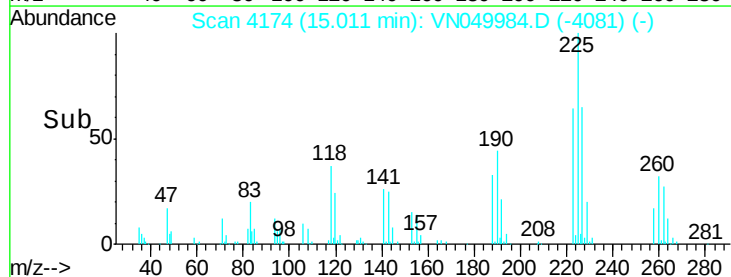
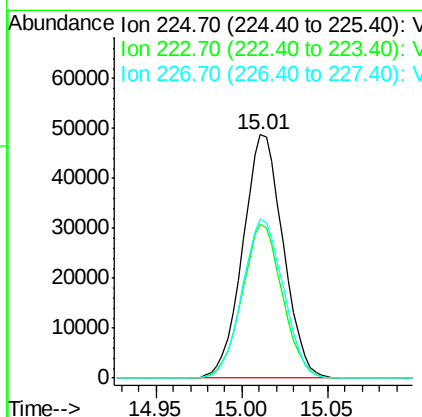
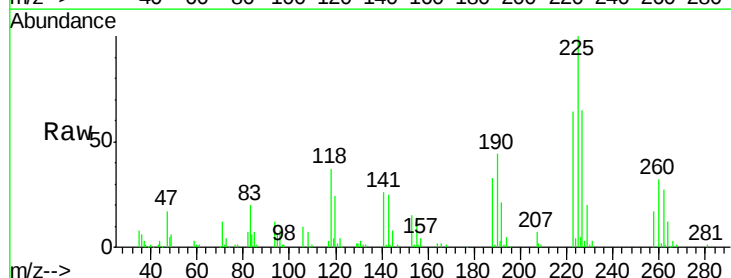
Manual Integrations
 APPROVED

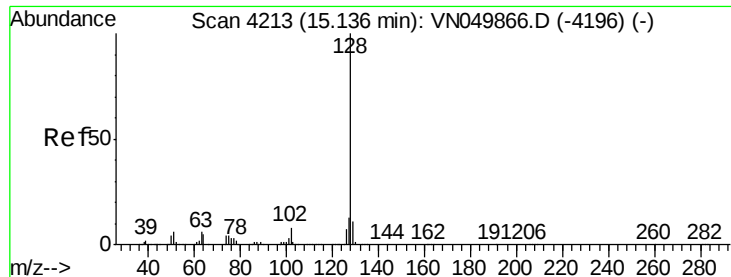
MMDadoda
 7/23/2018 2:04:21 PM



#94
 Hexachlorobutadiene
 Concen: 17.57 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79437		
223	63.1	30.9	92.7	
227	66.2	31.8	95.4	





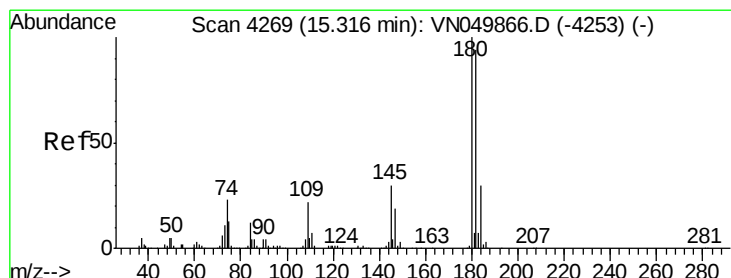
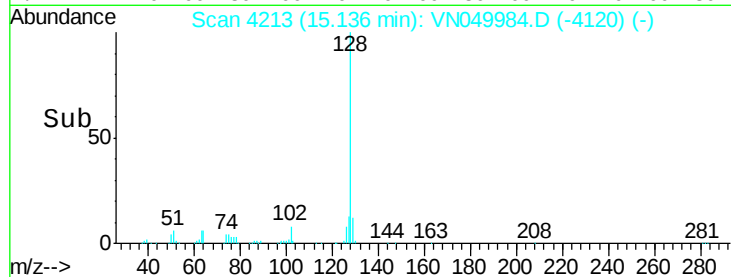
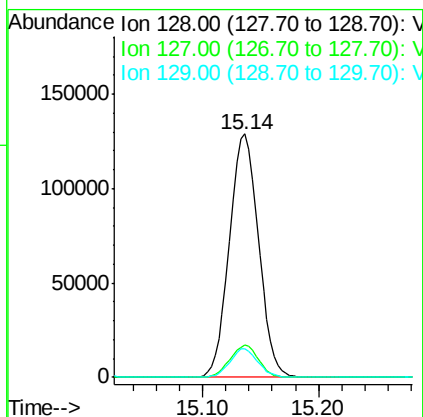
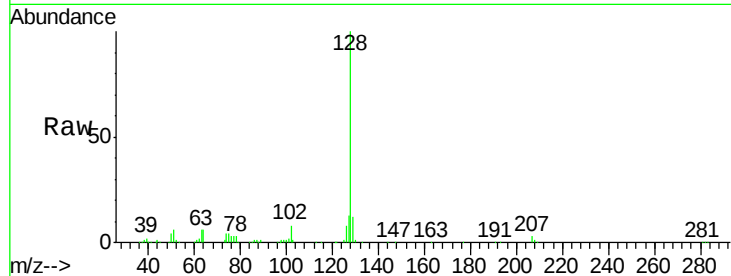
#95
Naphthalene
Concen: 15.71 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/23/2018 2:04:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.71 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	30.8	15.2	45.6

