

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050021.D
 Acq On : 24 Jul 2018 15:28
 Operator : MD\SY
 Sample : VN0724MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:19 PM

Quant Time: Jul 24 17:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	626236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	926012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	825783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	416105	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	427718	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.59	113	380699	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.09	98	1385931	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	440309	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	193844	21.54	ug/l	100
3) Chloromethane	2.06	50	189968	19.42	ug/l	99
4) Vinyl Chloride	2.18	62	204568	19.86	ug/l	98
5) Bromomethane	2.56	94	119898	20.37	ug/l	99
6) Chloroethane	2.70	64	118814	19.21	ug/l	99
7) Trichlorofluoromethane	3.01	101	265224	19.88	ug/l	100
8) Diethyl Ether	3.41	74	85947	19.32	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	155467	19.38	ug/l	99
10) Methyl Iodide	3.95	142	186566	18.12	ug/l	100
11) Tert butyl alcohol	4.81	59	66042	102.73	ug/l	99
12) 1,1-Dichloroethene	3.73	96	137339	19.03	ug/l	94
13) Acrolein	3.61	56	47157	91.30	ug/l	95
14) Allyl chloride	4.32	41	214382	19.16	ug/l	98
15) Acrylonitrile	5.00	53	277272	98.86	ug/l	99
16) Acetone	3.82	43	236616	112.58	ug/l	100
17) Carbon Disulfide	4.05	76	414568	18.75	ug/l	100
18) Methyl Acetate	4.33	43	168855	20.12	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	386537	20.10	ug/l	98
20) Methylene Chloride	4.55	84	159539	19.84	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	148547	19.42	ug/l	96
22) Diisopropyl ether	5.96	45	457357	20.61	ug/l	97
23) Vinyl Acetate	5.90	43	1558607	99.39	ug/l	100
24) 1,1-Dichloroethane	5.85	63	284786	19.63	ug/l	99
25) 2-Butanone	6.85	43	348490	104.57	ug/l	99
26) 2,2-Dichloropropane	6.83	77	231346	20.96	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	162022	19.68	ug/l	99
28) Bromochloromethane	7.20	49	124048	18.74	ug/l	98
29) Tetrahydrofuran	7.22	42	220497	102.39	ug/l	100
30) Chloroform	7.37	83	290754	19.63	ug/l	100
31) Cyclohexane	7.66	56	237750	19.71	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	247594	19.55	ug/l	100
36) 1,1-Dichloropropene	7.80	75	209163	20.05	ug/l	99
37) Ethyl Acetate	6.94	43	150681	20.72	ug/l	98
38) Carbon Tetrachloride	7.78	117	214482	19.38	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	210713	19.63	ug/l	98
40) Benzene	8.04	78	637469	20.08	ug/l	99
41) Methacrylonitrile	7.18	41	70731	20.39	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	212572	20.07	ug/l	100
43) Isopropyl Acetate	8.17	43	270380	19.02	ug/l	99
44) Trichloroethene	8.84	130	165567	19.41	ug/l	97
45) 1,2-Dichloropropane	9.12	63	167336	19.90	ug/l	97
46) Dibromomethane	9.21	93	105453	20.20	ug/l	99
47) Bromodichloromethane	9.41	83	217119	19.70	ug/l	100
48) Methyl methacrylate	9.20	41	128825	20.56	ug/l	99
49) 1,4-Dioxane	9.20	88	36355	426.44	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	749092	104.76	ug/l	99
52) Toluene	10.16	92	389736	20.80	ug/l	100
53) t-1,3-Dichloropropene	10.39	75	205027	19.72	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	237647	20.00	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	151270	20.35	ug/l	99
56) Ethyl methacrylate	10.43	69	177249	18.92	ug/l	99
57) 1,3-Dichloropropane	10.71	76	246753	20.39	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	409879	92.69	ug/l	100
59) 2-Hexanone	10.76	43	505213	99.34	ug/l	98
60) Dibromochloromethane	10.90	129	164908	20.04	ug/l	98
61) 1,2-Dibromoethane	11.01	107	146595	19.88	ug/l	99
64) Tetrachloroethene	10.63	164	162619	20.48	ug/l	97
65) Chlorobenzene	11.44	112	409945	19.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161161	20.11	ug/l	99
67) Ethyl Benzene	11.51	91	679996	20.29	ug/l	100
68) m/p-Xylenes	11.62	106	536647	42.34	ug/l	99
69) o-Xylene	11.95	106	251579	20.82	ug/l	99
70) Styrene	11.97	104	405339	19.44	ug/l	99
71) Bromoform	12.13	173	113947	19.54	ug/l #	99
73) Isopropylbenzene	12.25	105	672288	20.83	ug/l	100
74) N-amyl acetate	12.07	43	192240	19.49	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	191881	21.24	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	159447m	20.62	ug/l	
77) Bromobenzene	12.53	156	176790	19.77	ug/l	100
78) n-propylbenzene	12.59	91	763810	21.18	ug/l	100
79) 2-Chlorotoluene	12.68	91	463876	20.75	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	550482	21.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50474	20.70	ug/l	96
82) 4-Chlorotoluene	12.78	91	463593	20.94	ug/l	99
83) tert-Butylbenzene	13.00	119	464493	20.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	560616	21.91	ug/l	100
85) sec-Butylbenzene	13.17	105	623949	21.08	ug/l	99
86) p-Isopropyltoluene	13.29	119	536295	21.50	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	302609	19.96	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	291700	19.74	ug/l	98
89) n-Butylbenzene	13.62	91	413009	20.14	ug/l	99
90) Hexachloroethane	13.88	117	106427	19.22	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	300597	19.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30177	20.51	ug/l	99

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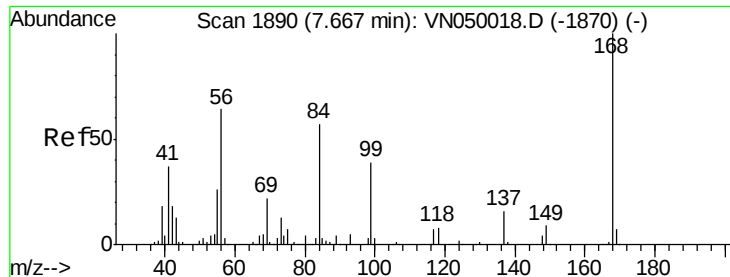
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131946	18.49	ug/l	99
94) Hexachlorobutadiene	15.01	225	90861	19.58	ug/l	99
95) Naphthalene	15.14	128	274835	17.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	137799	19.03	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion:168 Resp: 626236

Ion Ratio Lower Upper

168 100

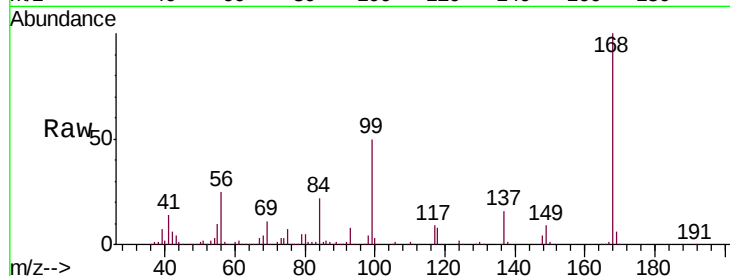
99 49.9 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

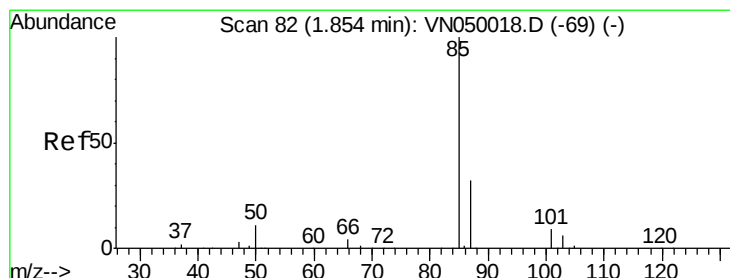
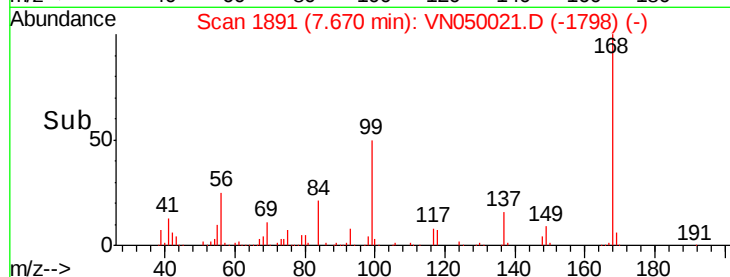
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.54 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050021.D

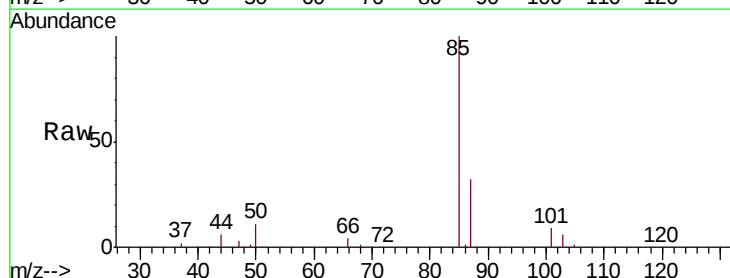
Acq: 24 Jul 2018 15:28

Tgt Ion: 85 Resp: 193844

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

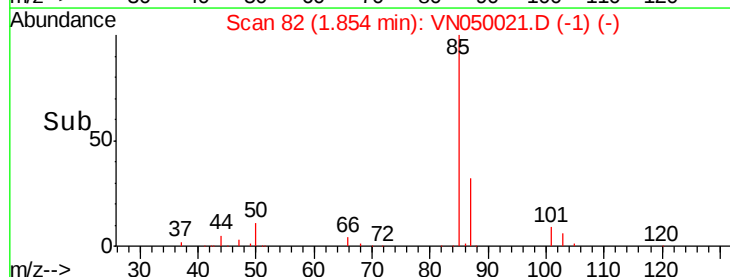
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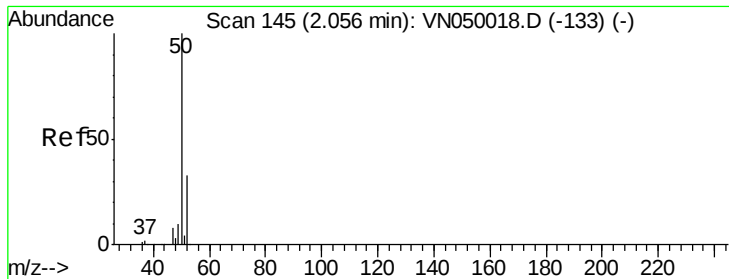
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.42 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion: 50 Resp: 189968

Ion Ratio Lower Upper

50 100

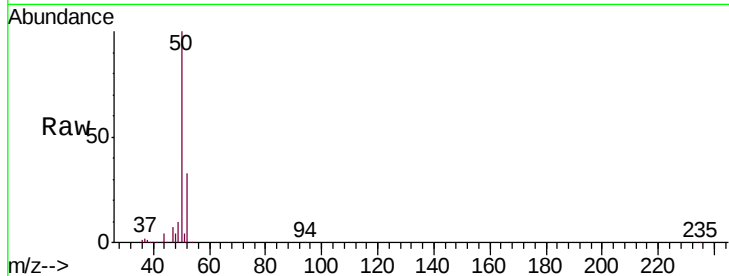
52 33.0 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

150000

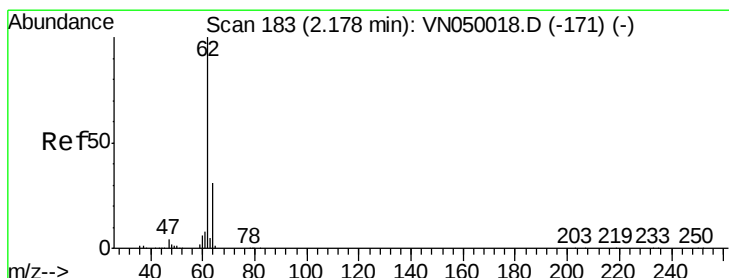
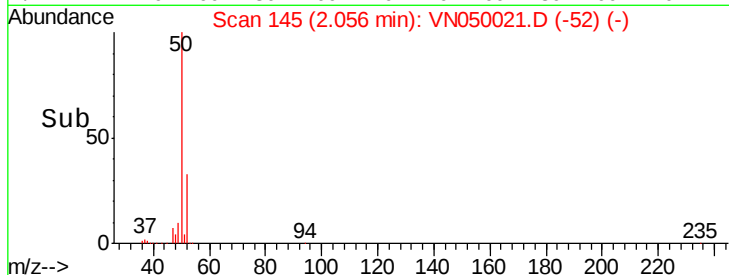
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 19.86 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050021.D

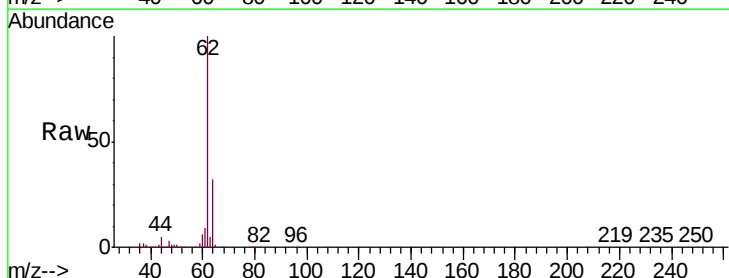
Acq: 24 Jul 2018 15:28

Tgt Ion: 62 Resp: 204568

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

150000

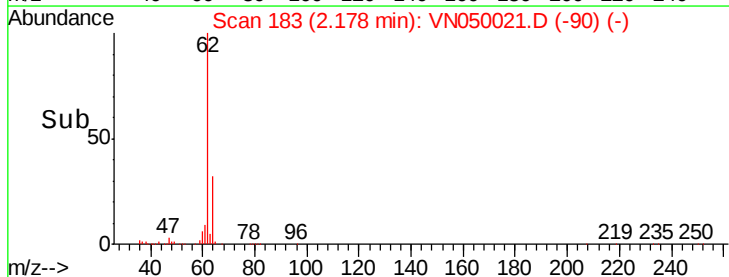
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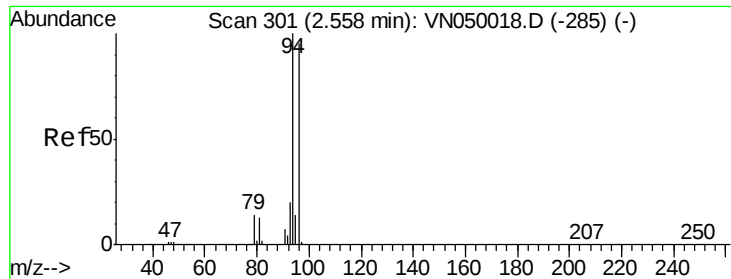
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 20.37 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion: 94 Resp: 119898

Ion Ratio Lower Upper

94 100

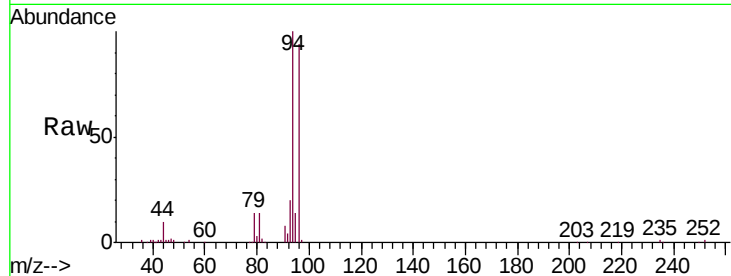
96 94.2 74.6 112.0

Manual Integrations

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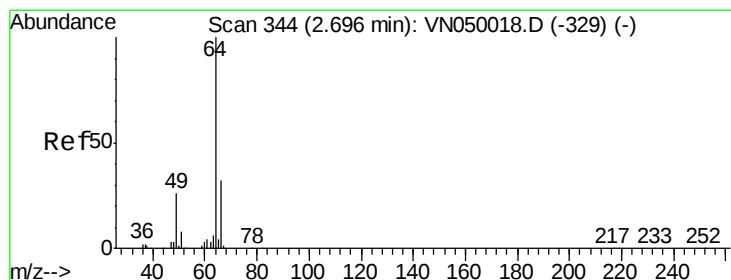
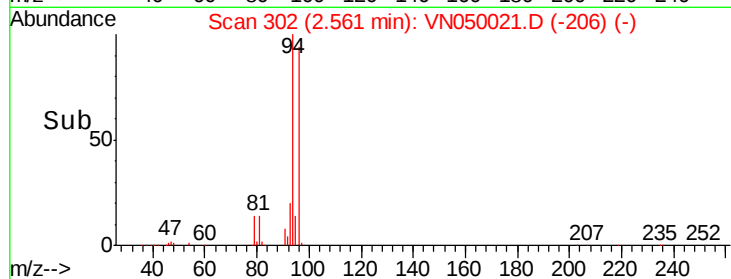
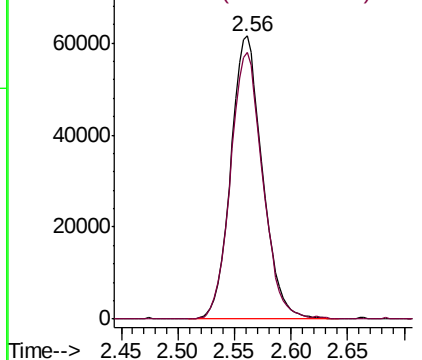
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.21 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050021.D

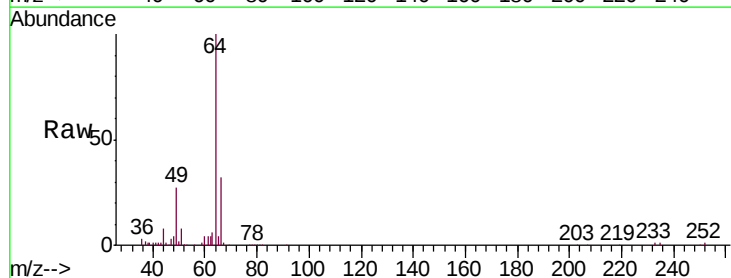
Acq: 24 Jul 2018 15:28

Tgt Ion: 64 Resp: 118814

Ion Ratio Lower Upper

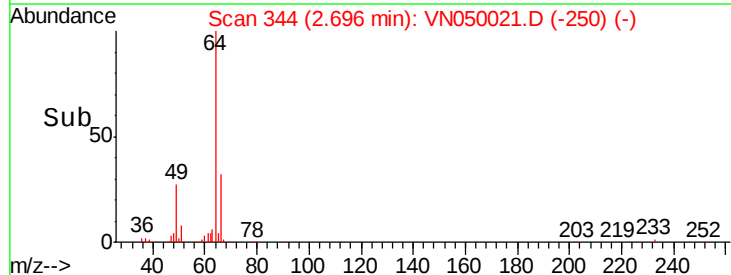
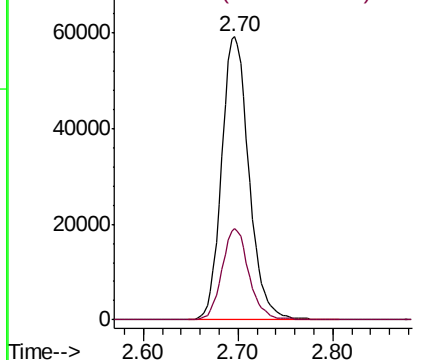
64 100

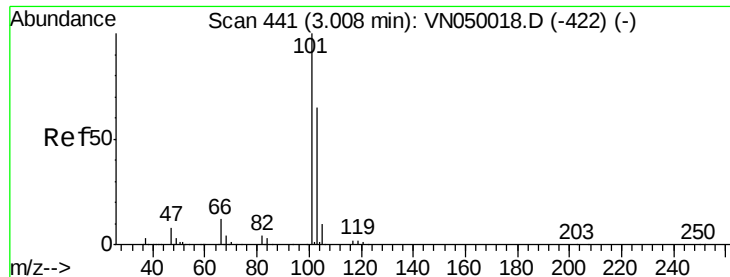
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

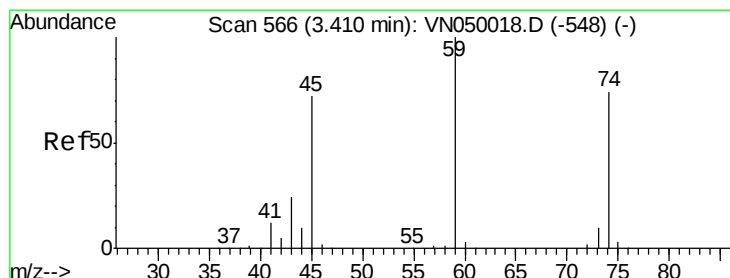
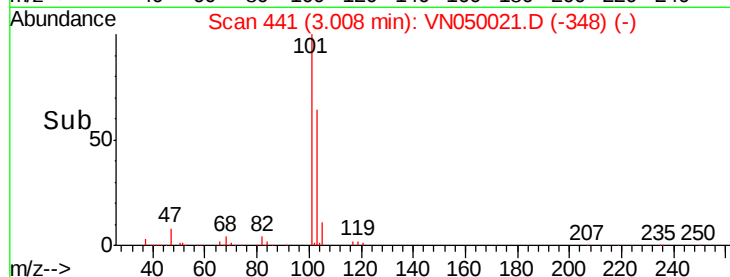
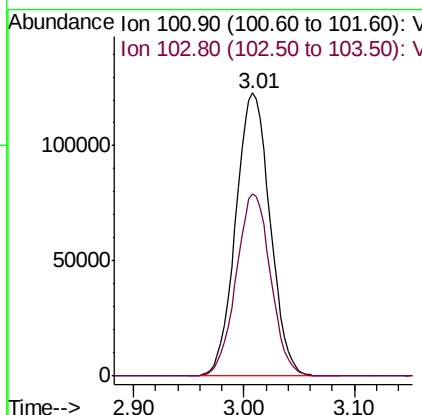
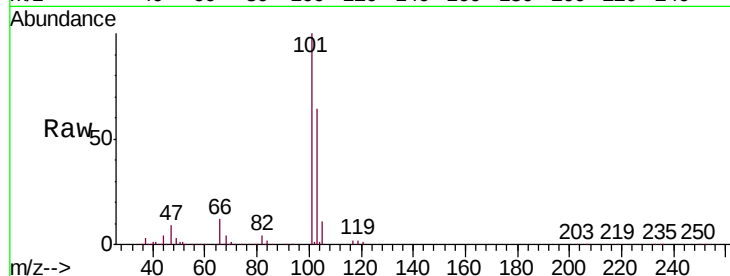
Trichlorofluoromethane
 Concen: 19.88 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0724MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5

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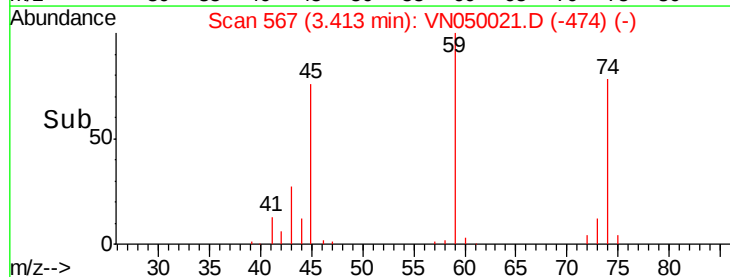
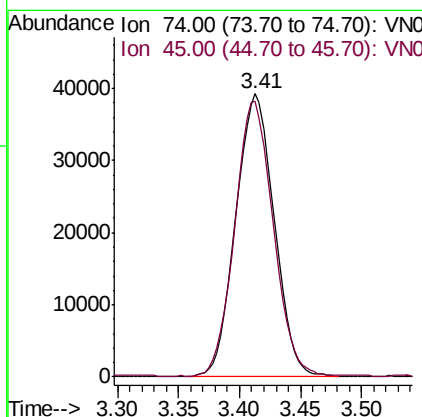
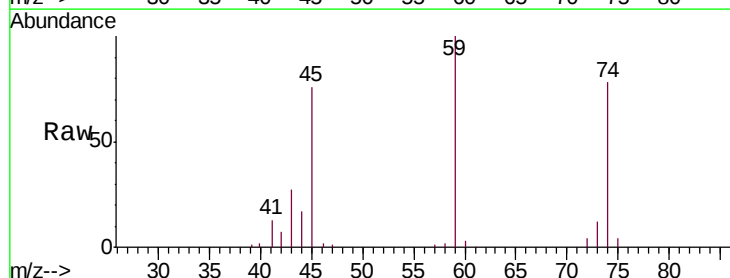
MMDadoda
 7/26/2018 1:51:19 PM

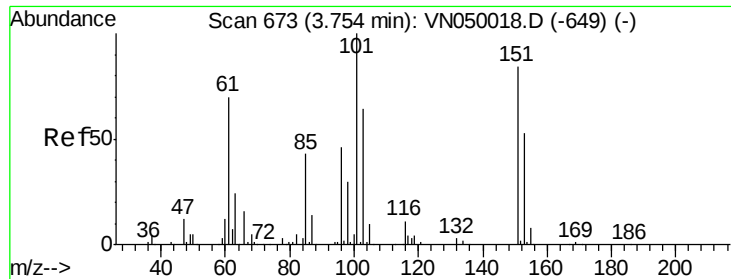


#8

Diethyl Ether
 Concen: 19.32 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.38 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

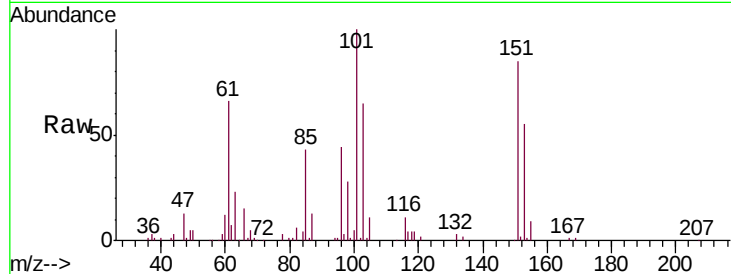
ClientSampleId :

VN0724MBS01

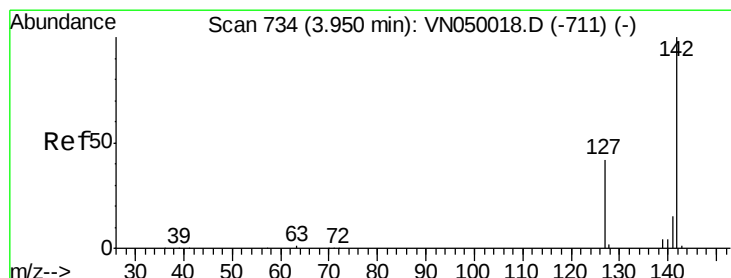
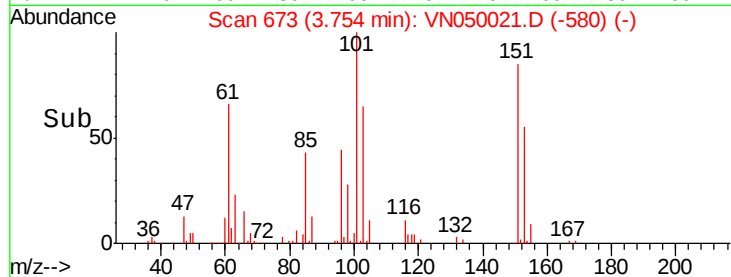
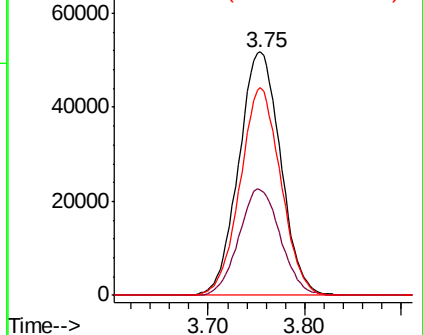
Tot Ion:	101	Resp:	155467
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.2	51.2
151	82.6	66.3	99.5

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



#10

Methyl Iodide

Concen: 18.12 ug/l

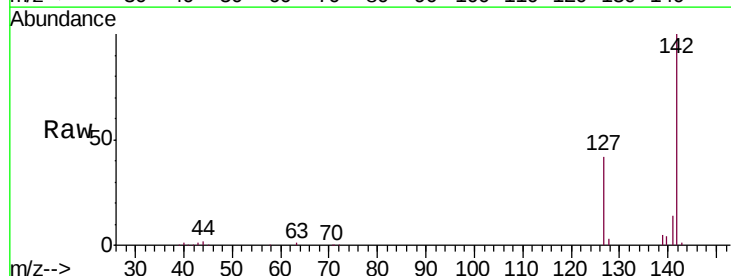
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

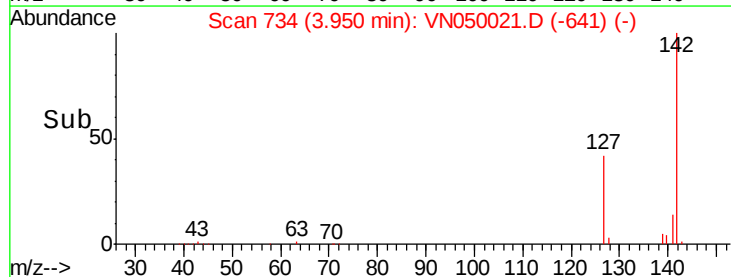
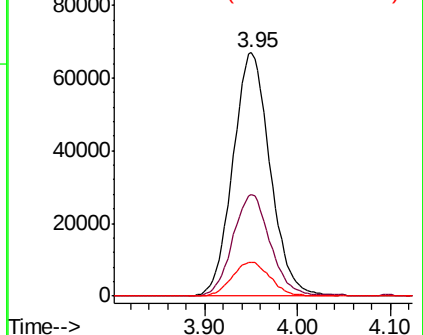
Lab File: VN050021.D

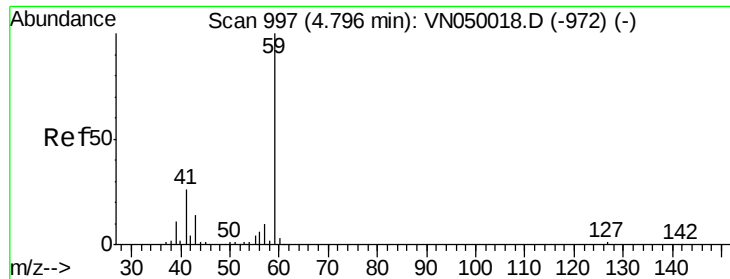
Acq: 24 Jul 2018 15:28

Tgt Ion:	142	Resp:	186566
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.4	50.2
141	14.3	11.6	17.4



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





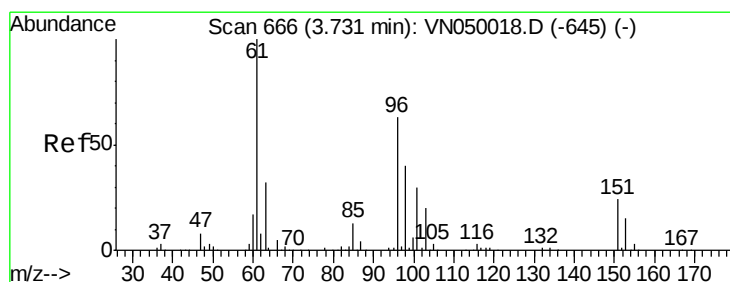
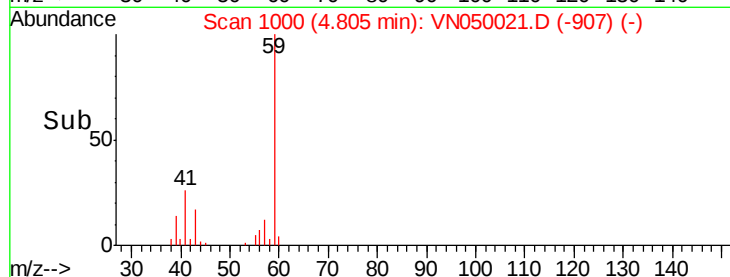
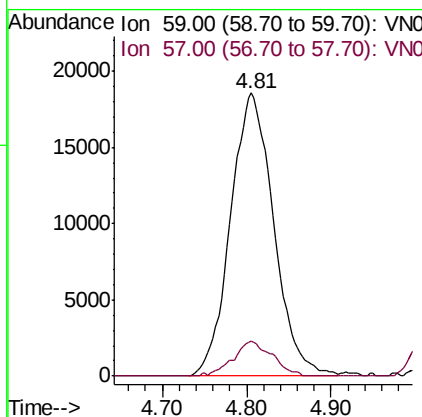
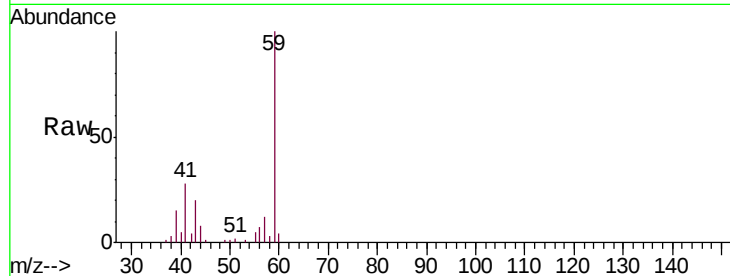
#11
Tert butyl alcohol
Concen: 102.73 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion: 59 Resp: 66042
Ion Ratio Lower Upper
59 100
57 11.1 8.5 12.7

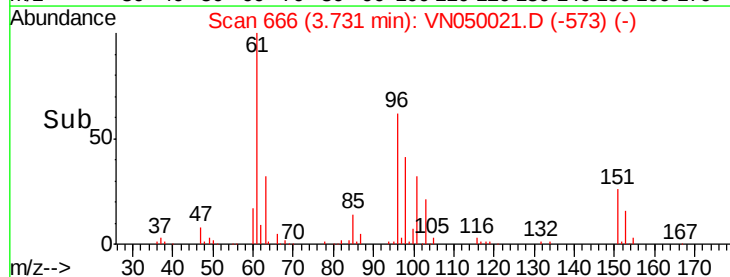
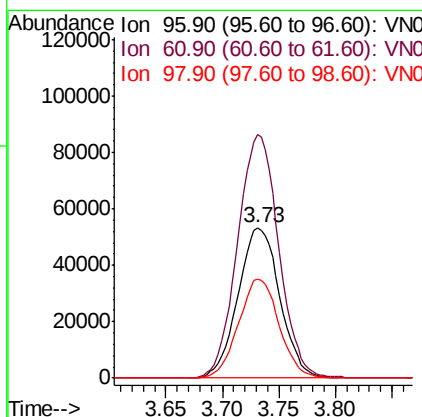
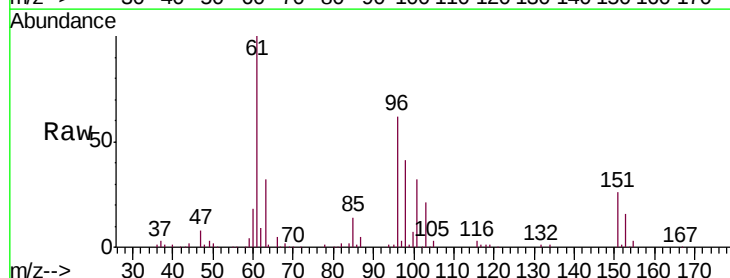
Manual Integrations
APPROVED

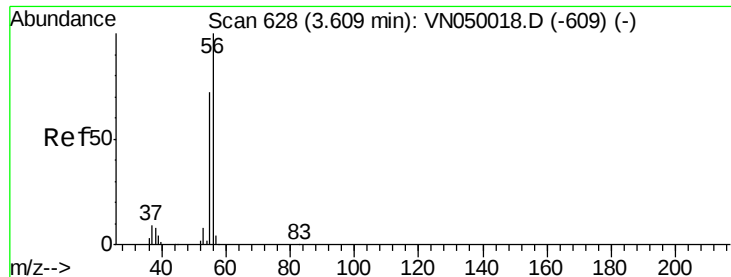
MMDadoda
7/26/2018 1:51:19 PM



#12
1,1-Dichloroethene
Concen: 19.03 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion: 96 Resp: 137339
Ion Ratio Lower Upper
96 100
61 162.0 124.4 186.6
98 65.8 48.3 72.5





#13

Acrolein

Concen: 91.30 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion: 56 Resp: 47157

Ion Ratio Lower Upper

56 100

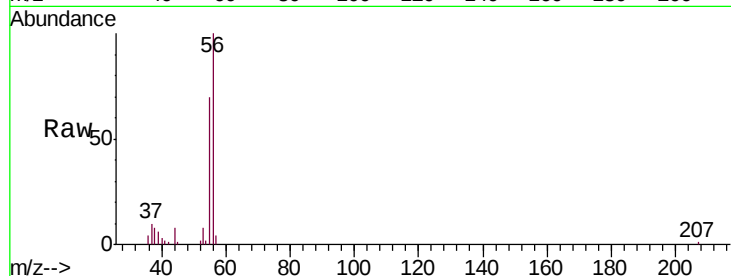
55 74.0 55.8 83.6

Manual Integrations

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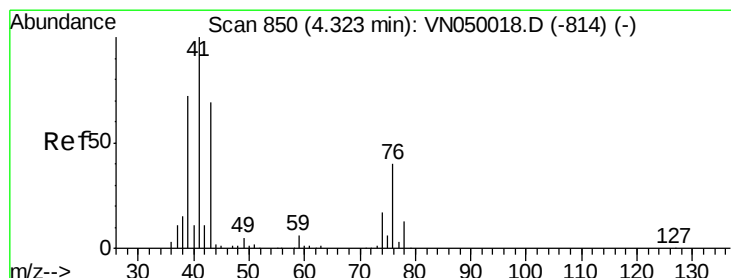
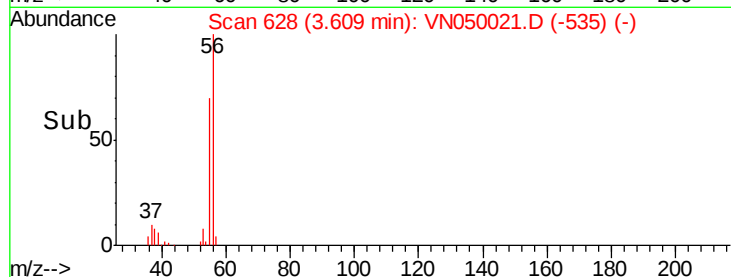
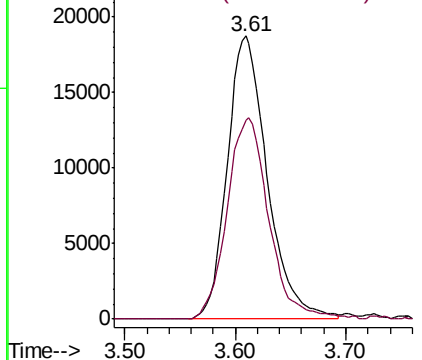
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.16 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

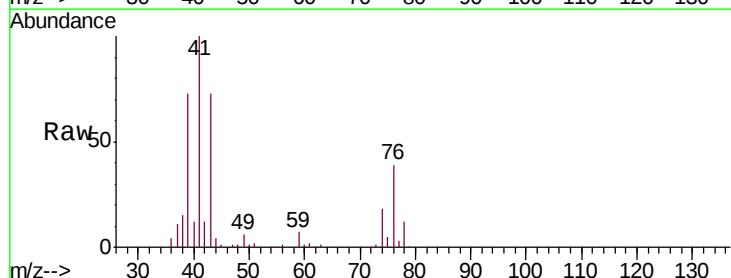
Tgt Ion: 41 Resp: 214382

Ion Ratio Lower Upper

41 100

39 69.5 54.2 81.4

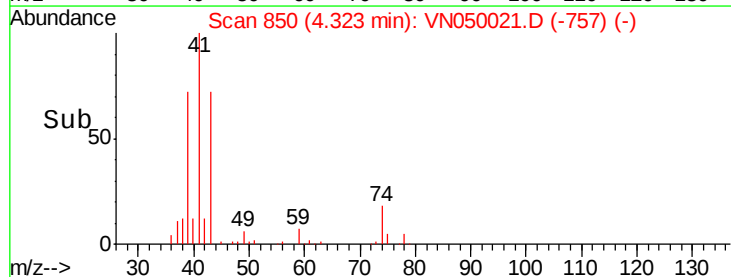
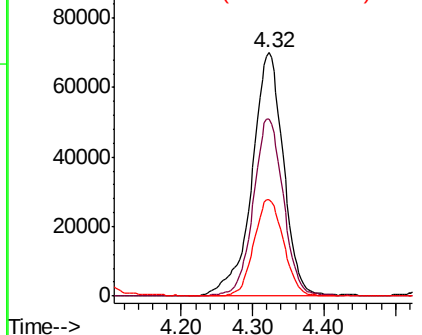
76 37.3 29.0 43.6

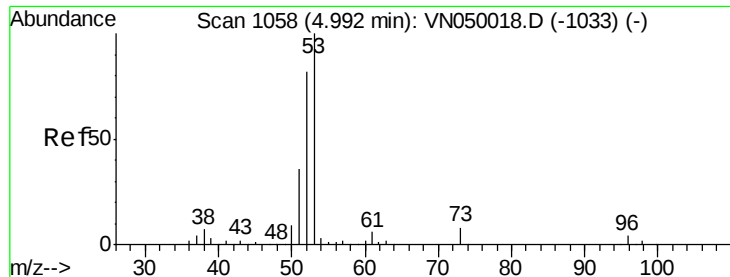


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.86 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

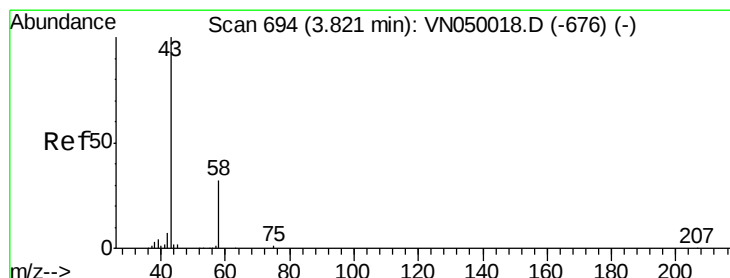
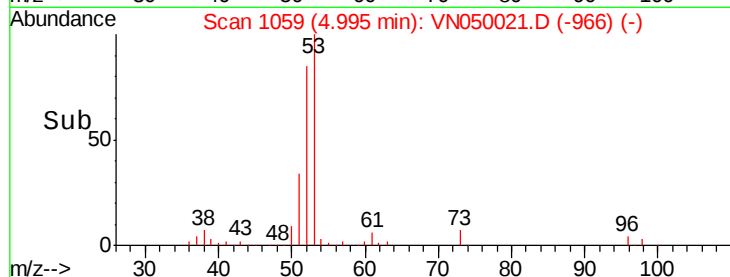
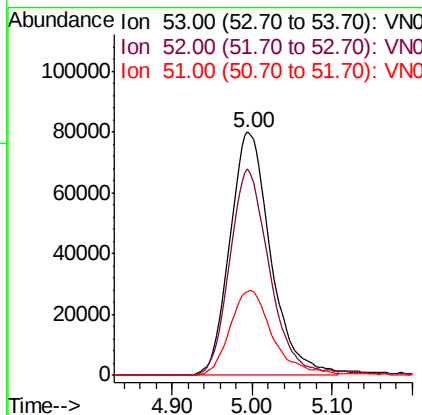
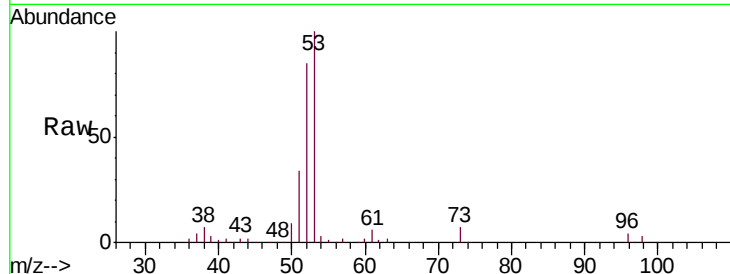
ClientSampleId :

VN0724MBS01

Tot Ion:	53	Resp:	277272
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.2	99.2
51	36.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 112.58 ug/l

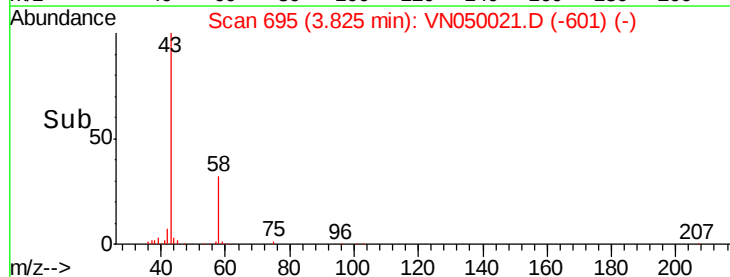
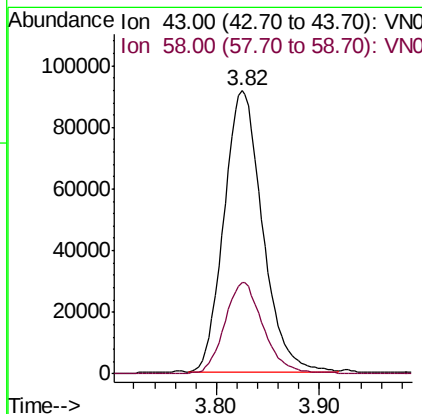
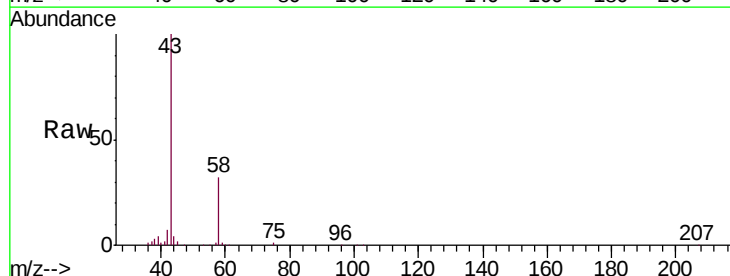
RT: 3.82 min Scan# 695

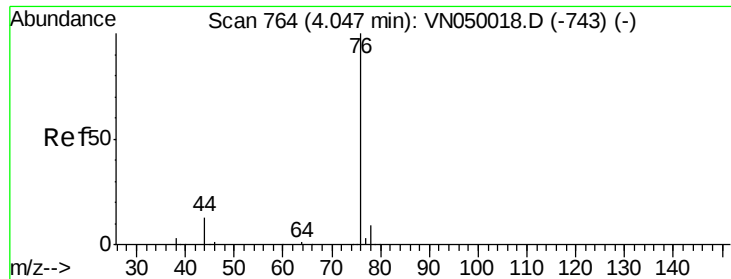
Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Tgt Ion:	43	Resp:	236616
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.8	38.8





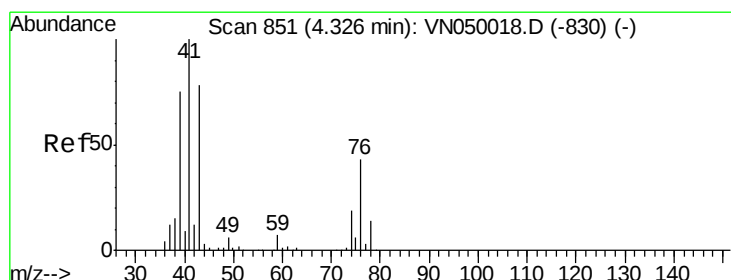
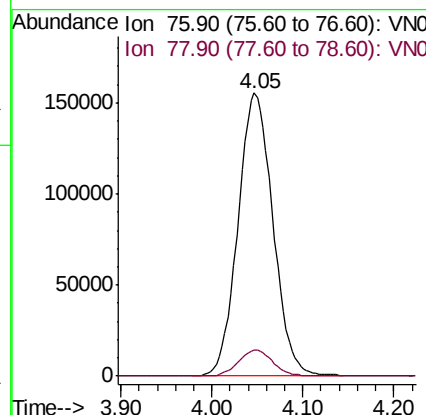
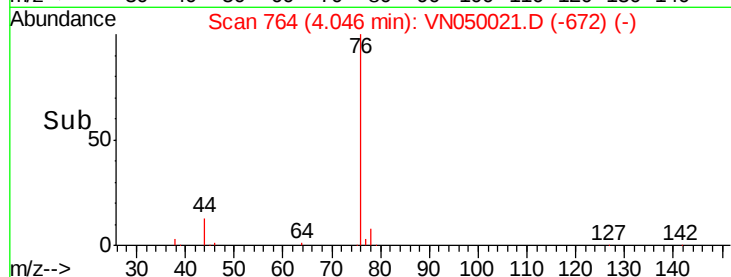
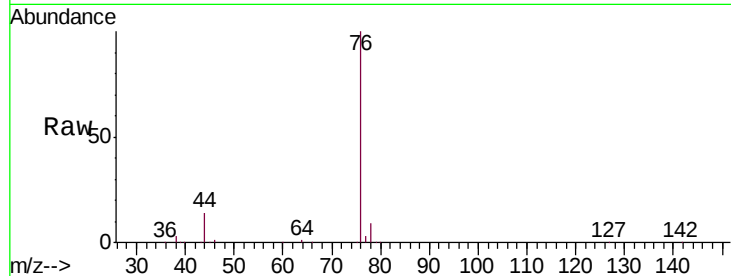
#17
Carbon Disulfide
Concen: 18.75 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

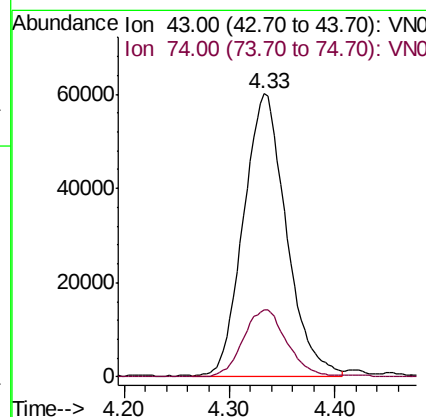
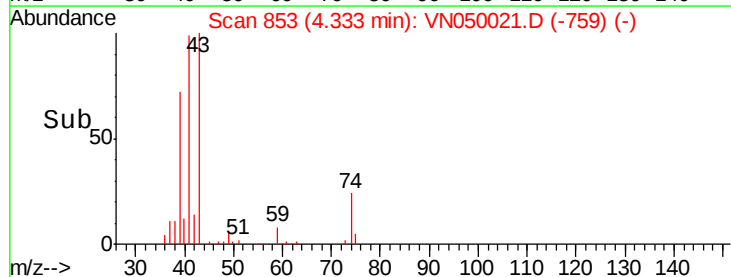
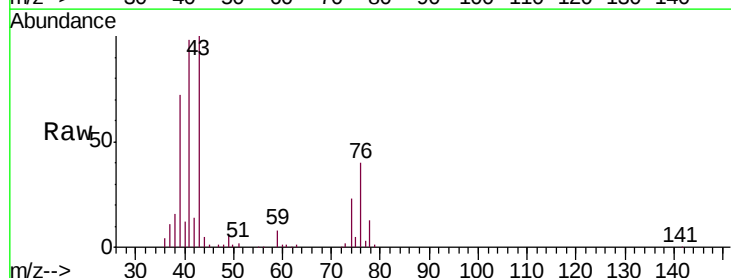
Manual Integrations
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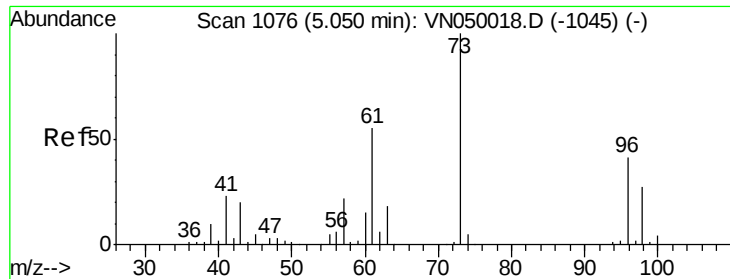
MMDadoda
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#18
Methyl Acetate
Concen: 20.12 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.2	28.8





#19

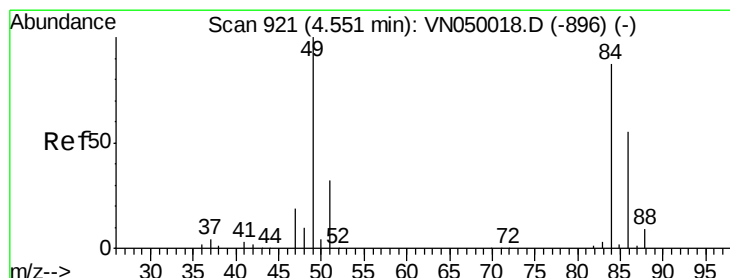
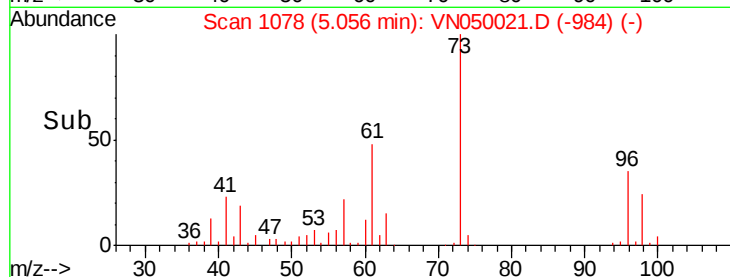
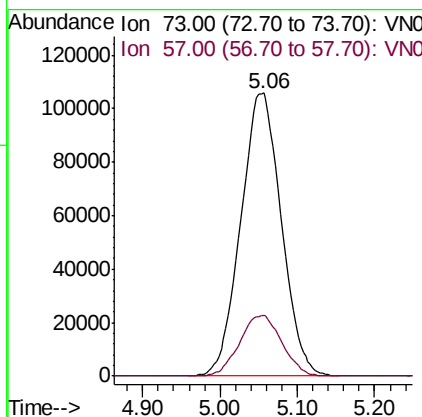
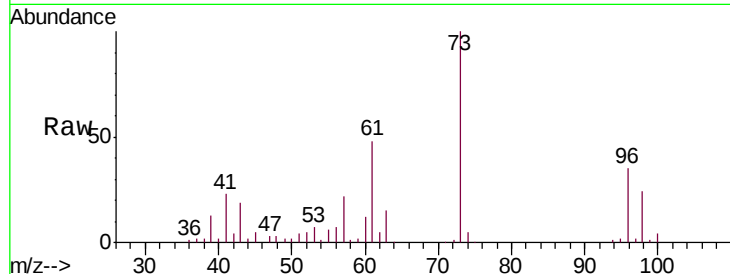
Methyl tert-butyl Ether
 Concen: 20.10 ug/l
 RT: 5.06 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.0	27.0

Manual Integrations
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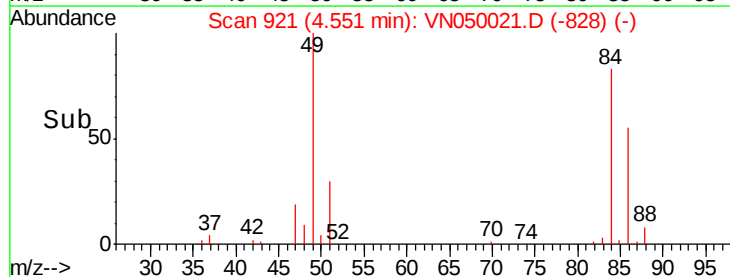
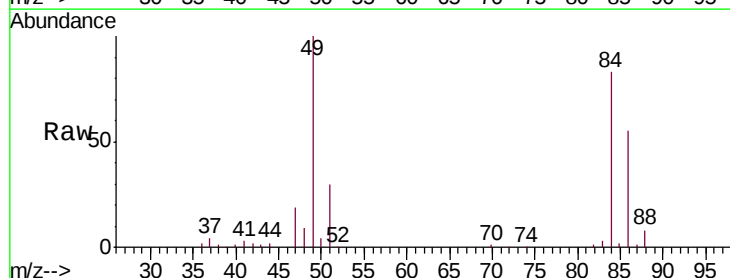
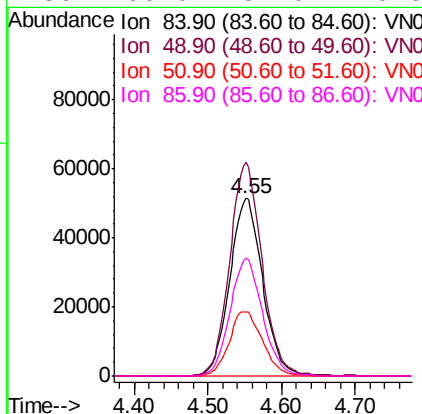
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 7/26/2018 1:51:19 PM

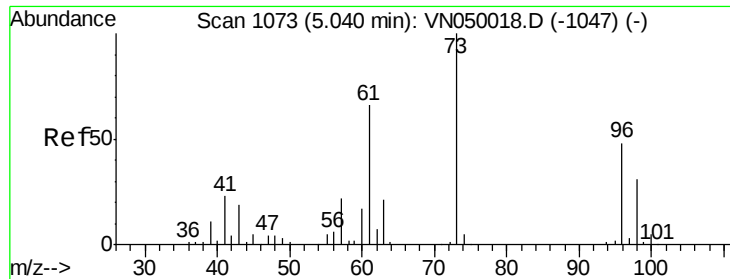


#20

Methylene Chloride
 Concen: 19.84 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	94.8	142.2
51	35.9	28.3	42.5
86	66.0	51.0	76.6





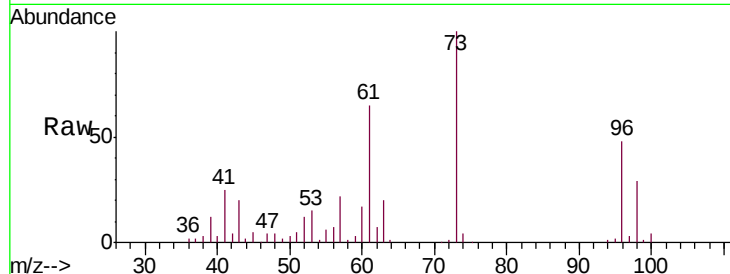
#21
trans-1,2-Dichloroethene
Concen: 19.42 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.0	110.7	166.1
98	60.5	51.6	77.4

Manual Integrations
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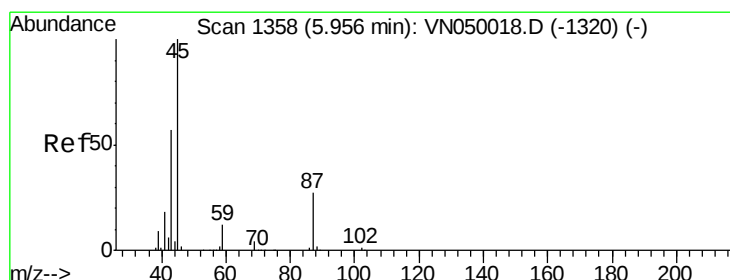
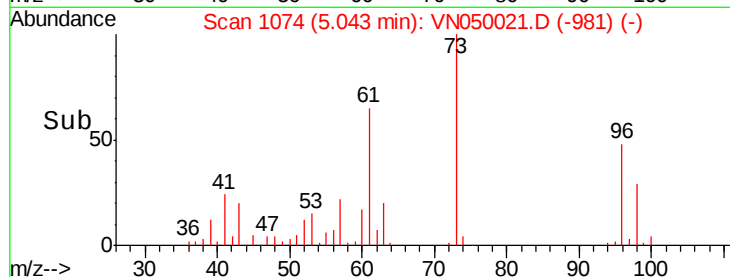
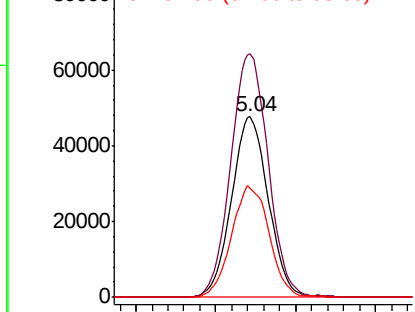


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 20.61 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	45.7	68.5
87	28.3	22.7	34.1
59	11.6	9.5	14.3

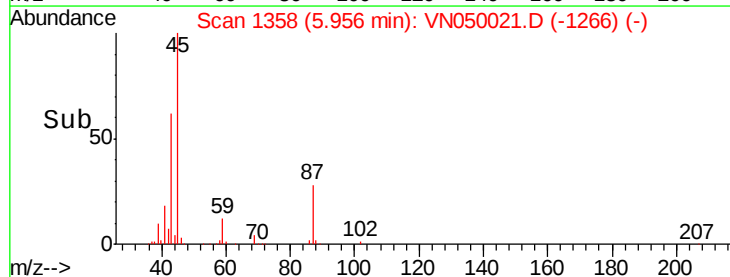
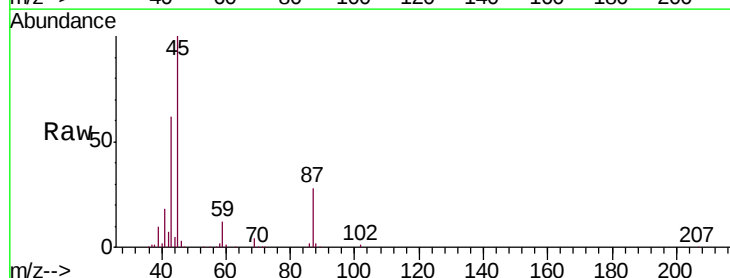
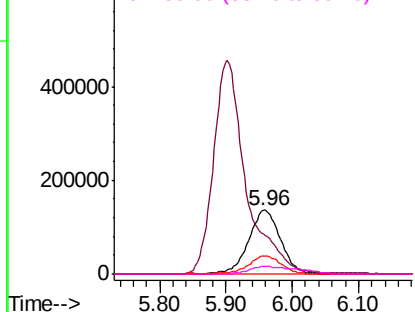
Abundance

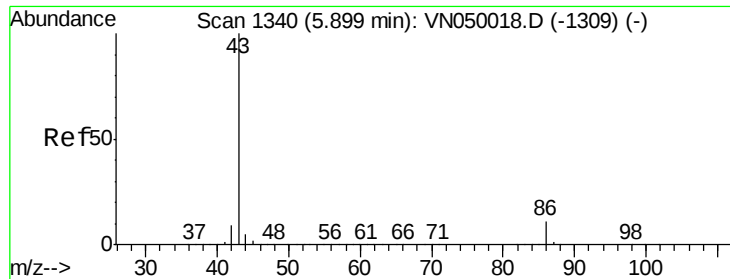
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 99.39 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampled :

VN0724MBS01

Tot Ion: 43 Resp: 1558607

Ion Ratio Lower Upper

43 100

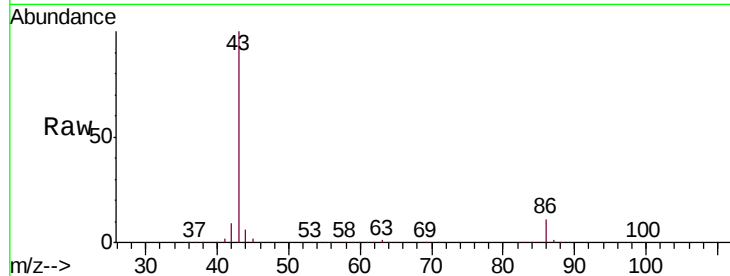
86 10.8 8.6 13.0

Manual Integrations

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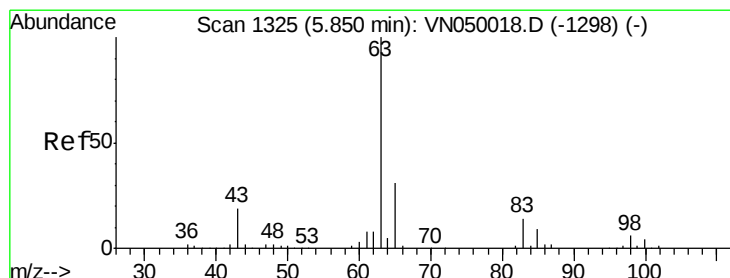
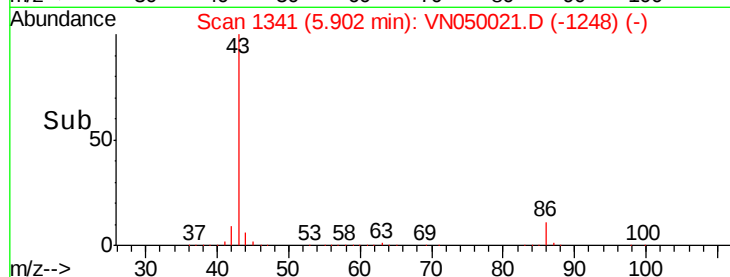
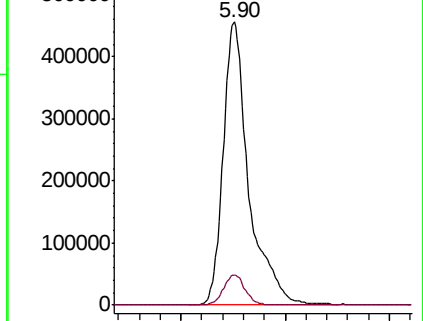
MMDadoda

7/26/2018 1:51:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.63 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

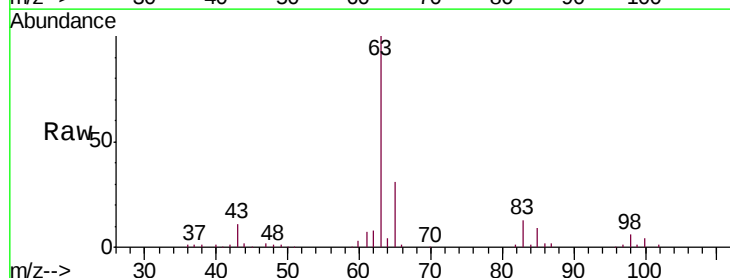
Tgt Ion: 63 Resp: 284786

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

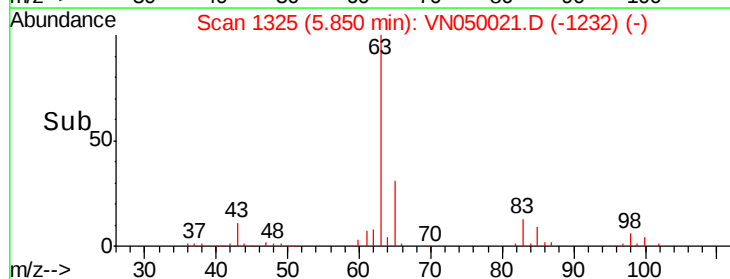
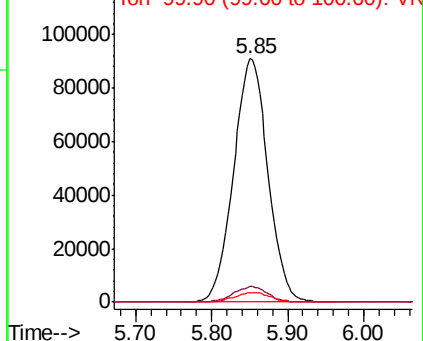
100 3.8 2.1 6.3

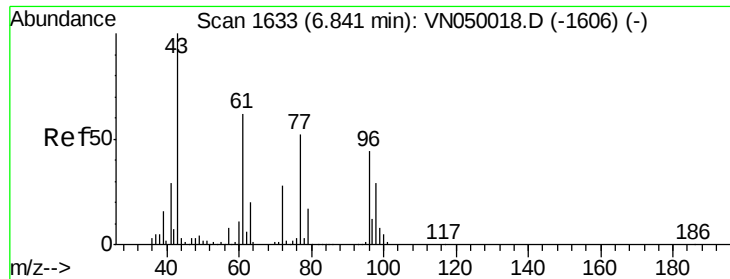


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 104.57 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampled :

VN0724MBS01

Tot Ion: 43 Resp: 348490

Ion Ratio Lower Upper

43 100

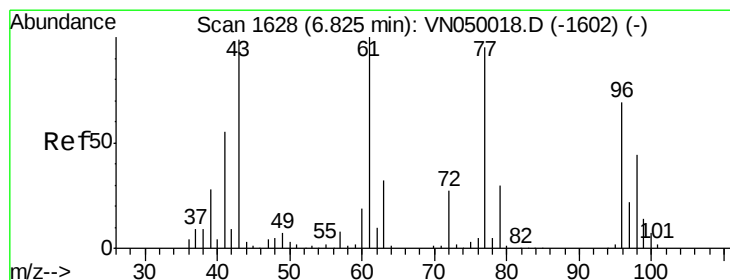
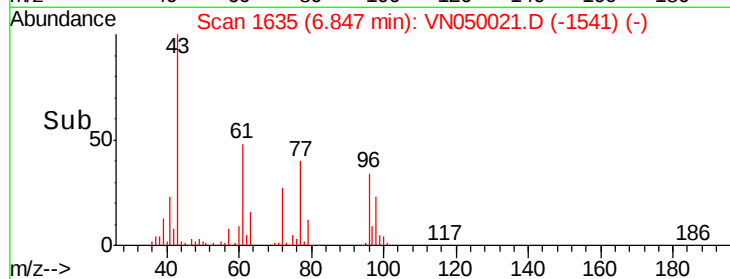
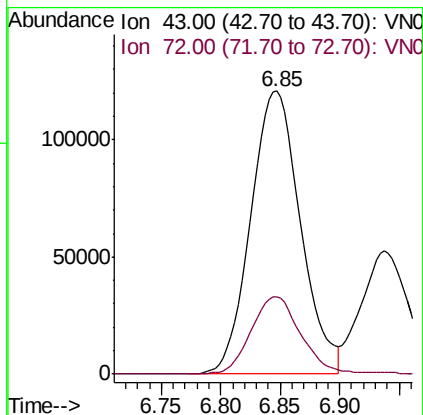
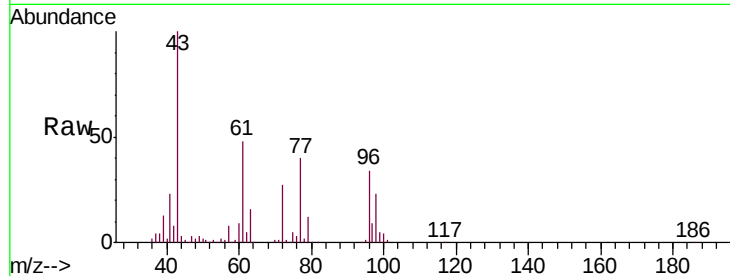
72 27.3 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.96 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050021.D

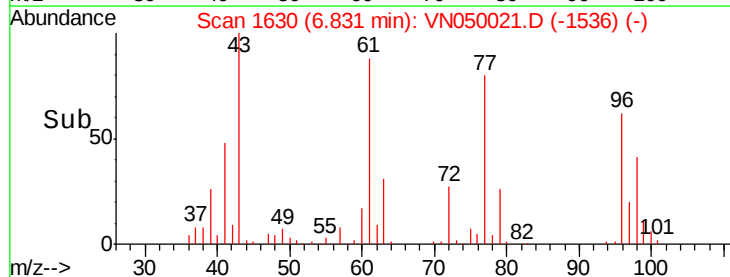
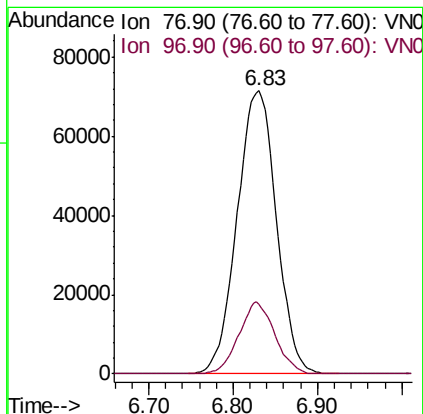
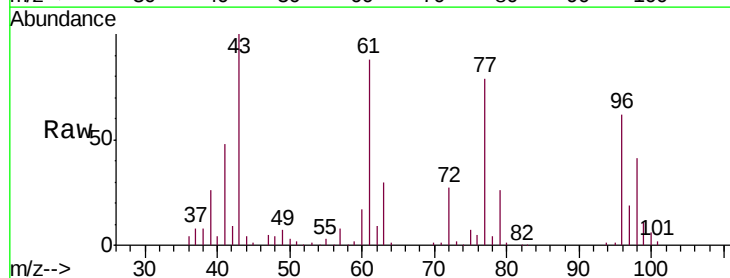
Acq: 24 Jul 2018 15:28

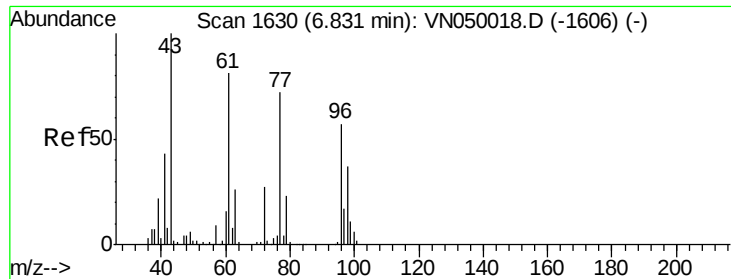
Tgt Ion: 77 Resp: 231346

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.68 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

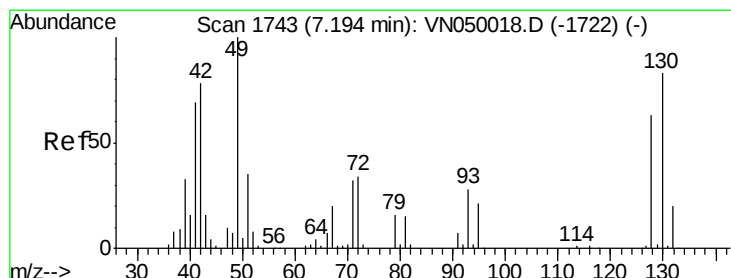
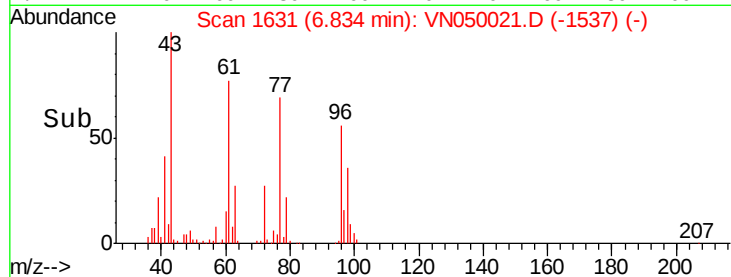
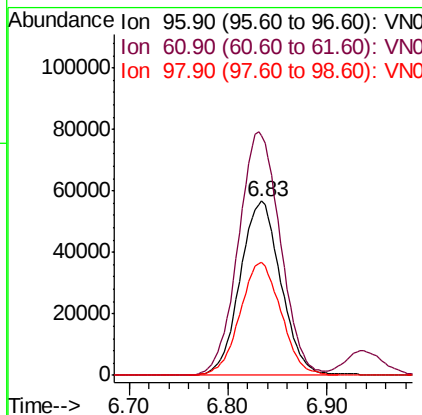
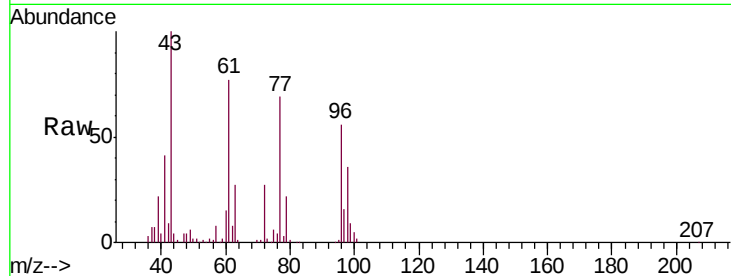
ClientSampled :

VN0724MBS01

Tot Ion:	96	Resp:	162022
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	285.0
98	65.5	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.74 ug/l

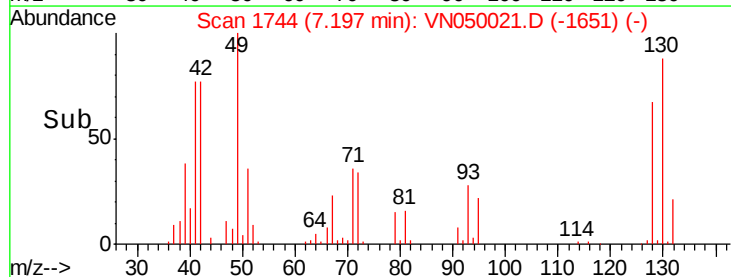
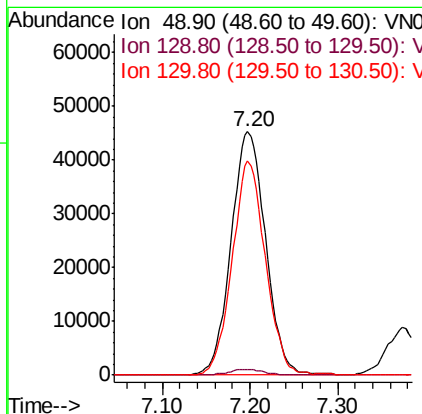
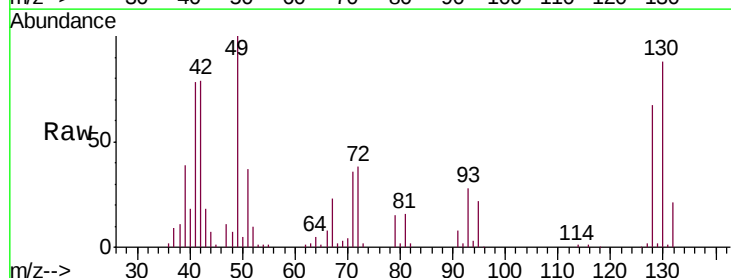
RT: 7.20 min Scan# 1744

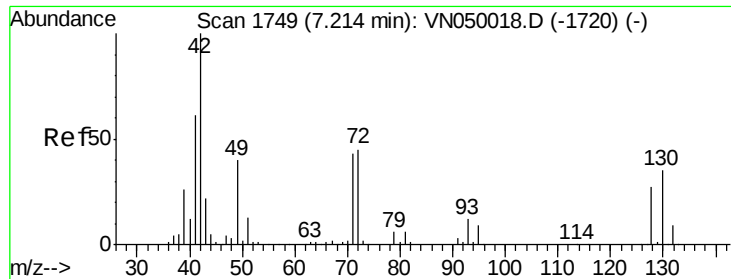
Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Tgt Ion:	49	Resp:	124048
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	84.4	66.3	99.5





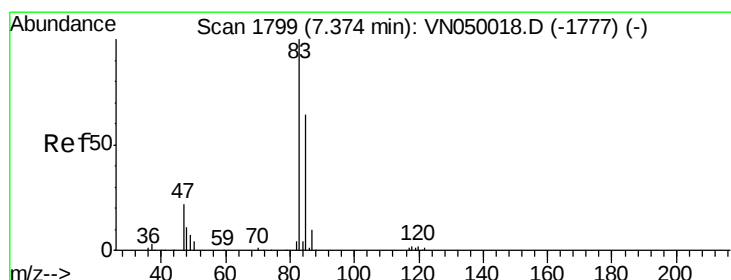
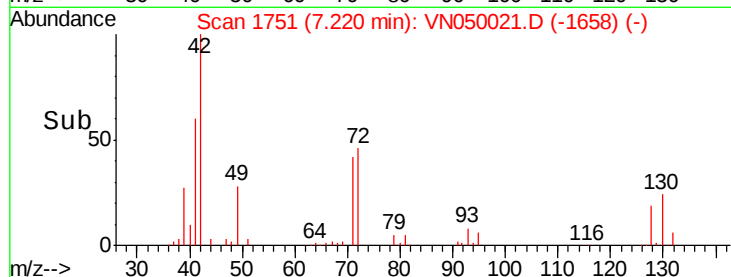
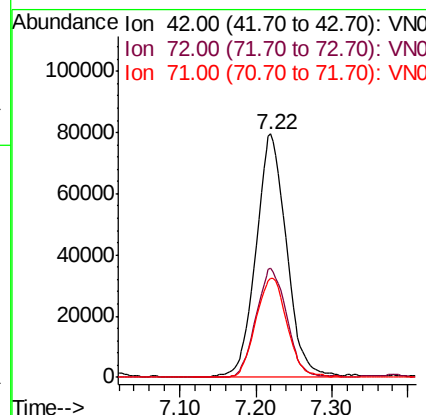
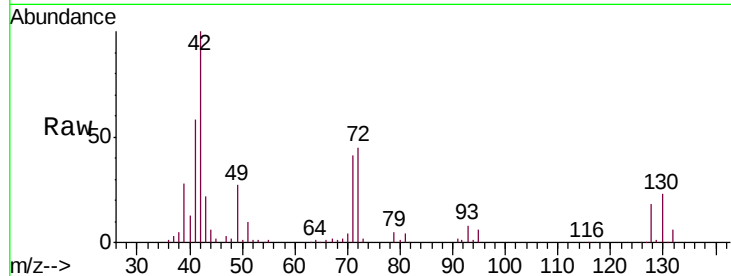
#29
Tetrahydrofuran
Concen: 102.39 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.9	53.9
71	41.9	33.7	50.5

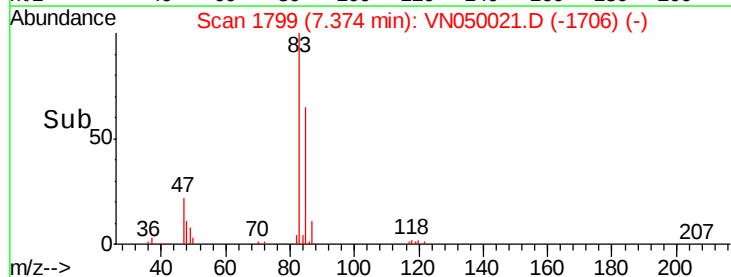
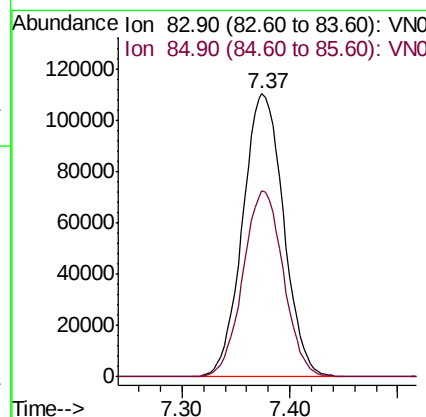
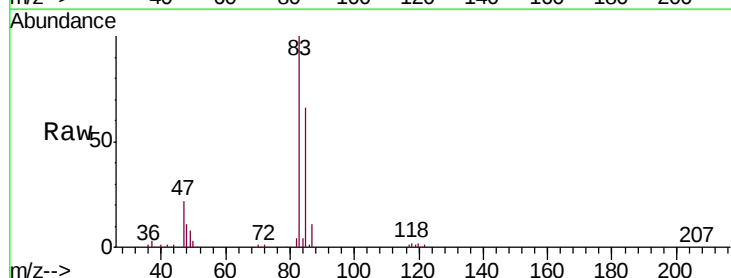
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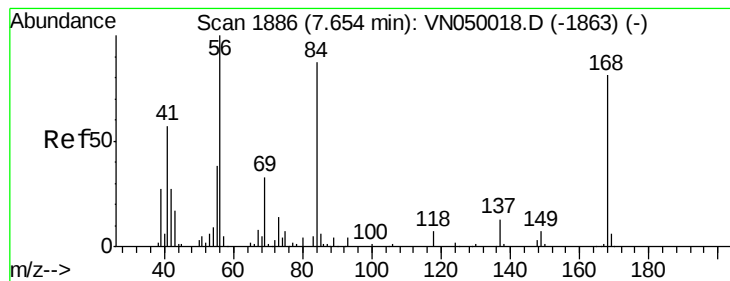
MMDadoda
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#30
Chloroform
Concen: 19.63 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31

Cyclohexane

Concen: 19.71 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

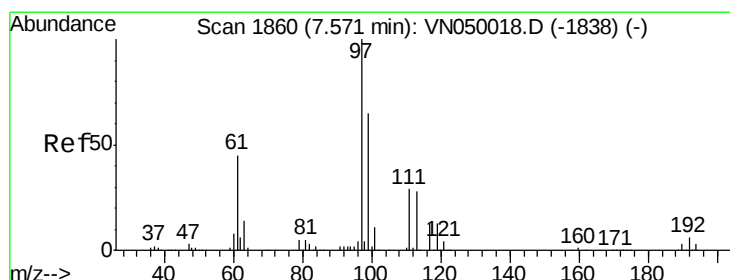
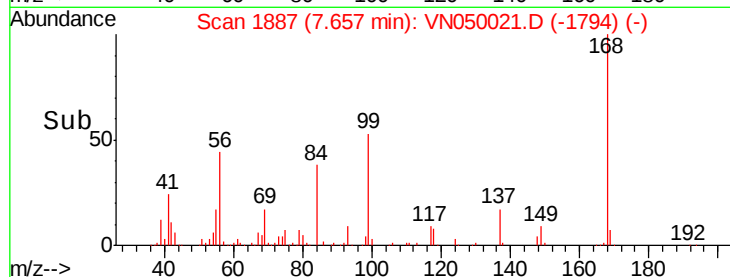
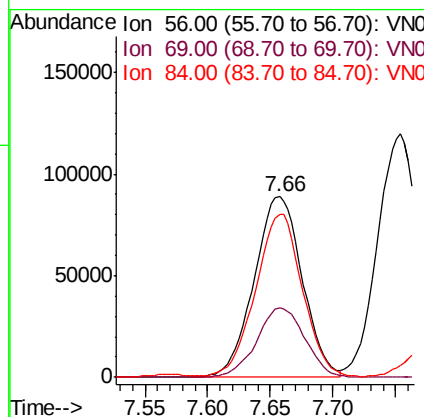
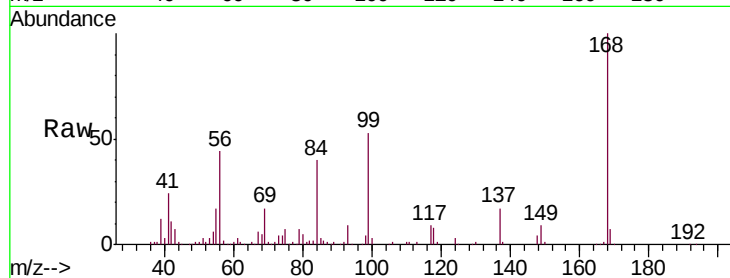
ClientSampleId :

VN0724MBS01

Tot Ion:	56	Resp:	237750
Ion Ratio	Lower	Upper	
56	100		
69	38.3	26.2	39.4
84	89.3	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.55 ug/l

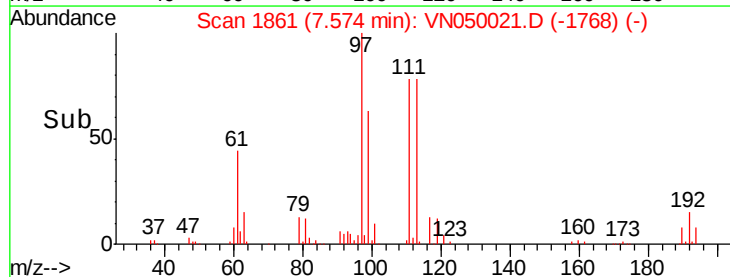
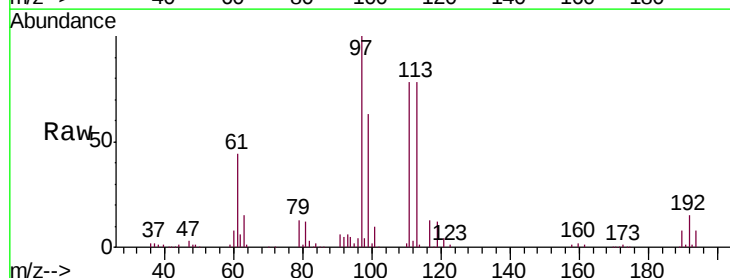
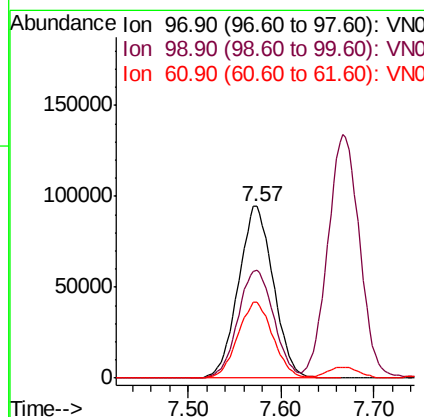
RT: 7.57 min Scan# 1861

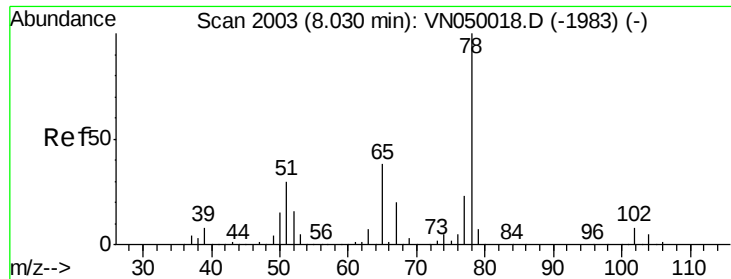
Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Tgt Ion:	97	Resp:	247594
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.4	77.0
61	44.4	35.4	53.0





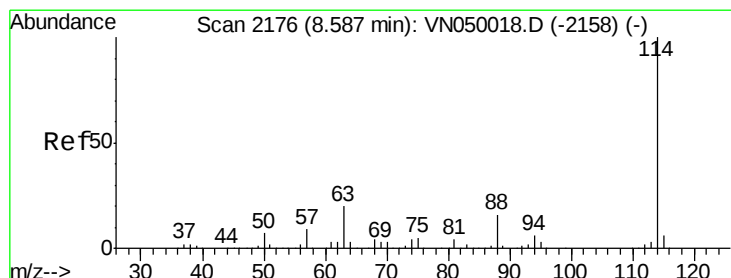
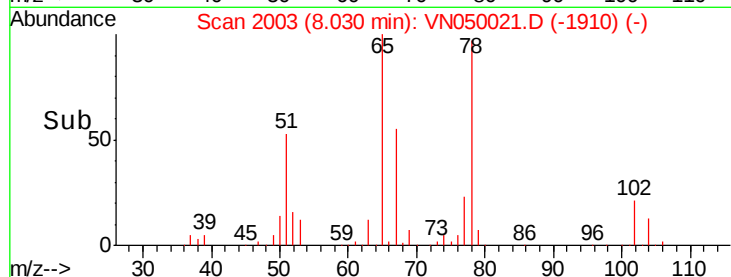
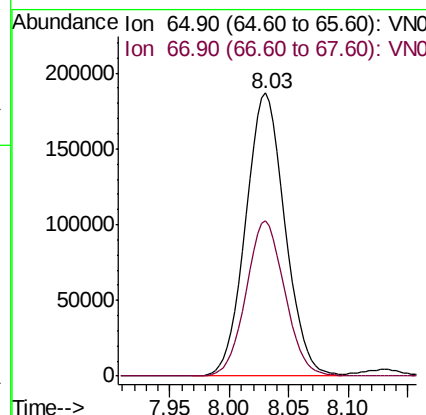
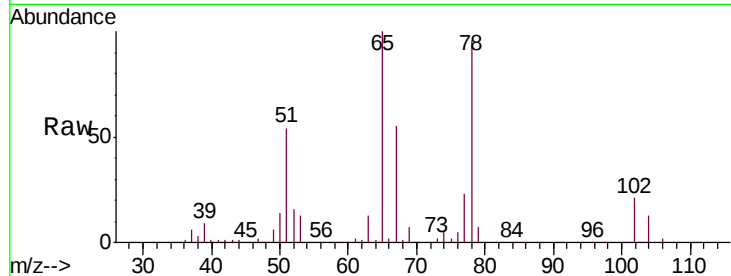
#33
 1,2-Dichloroethane-d4
 Concen: 48.95 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	108.4	

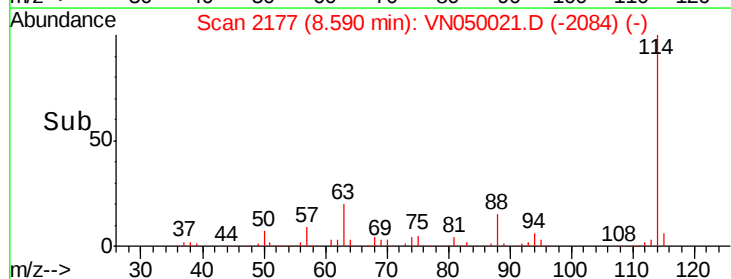
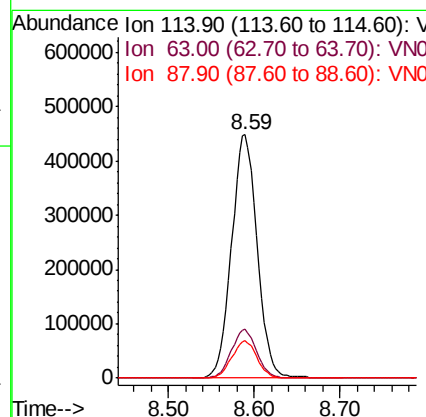
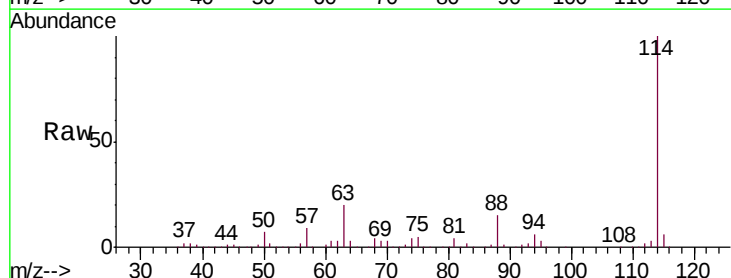
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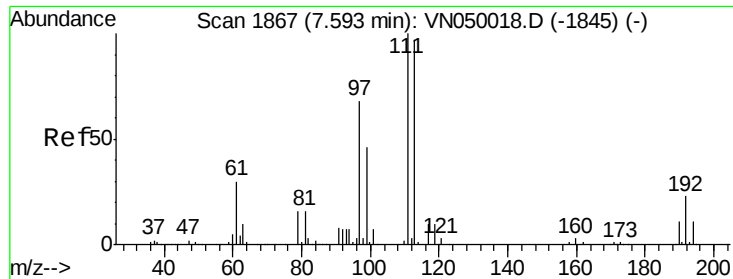
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	40.0	
88	15.2	0.0	31.2	





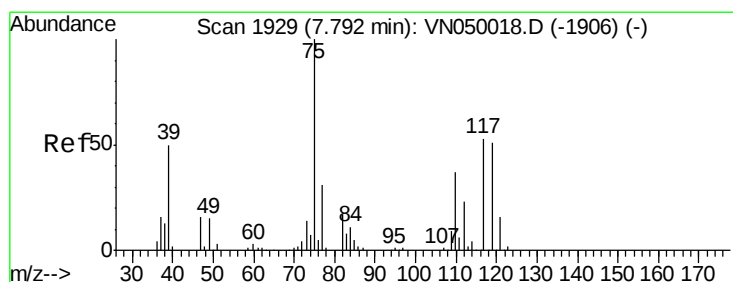
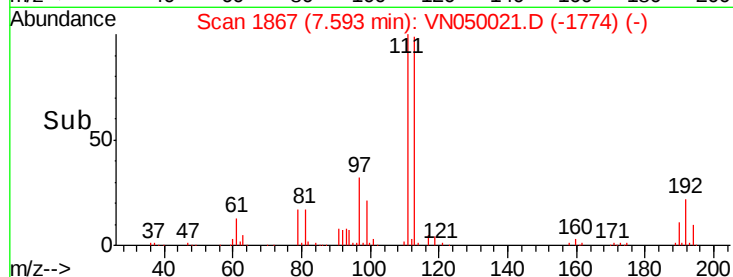
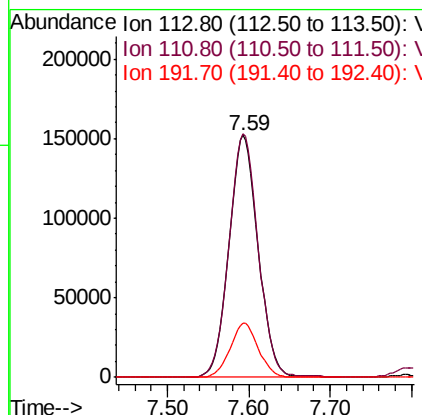
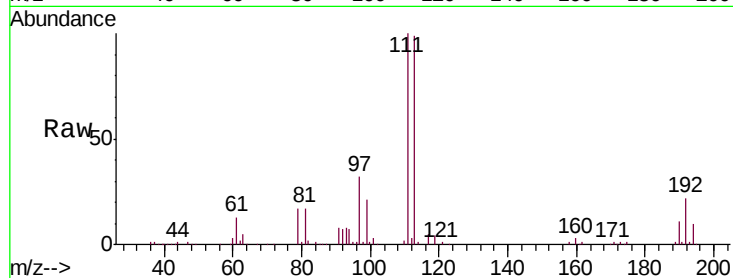
#35
 Dibromofluoromethane
 Concen: 50.35 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	380699		
111	100.9	80.7	121.1	
192	21.7	17.8	26.6	

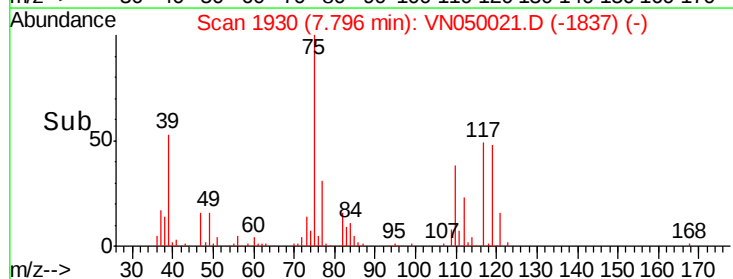
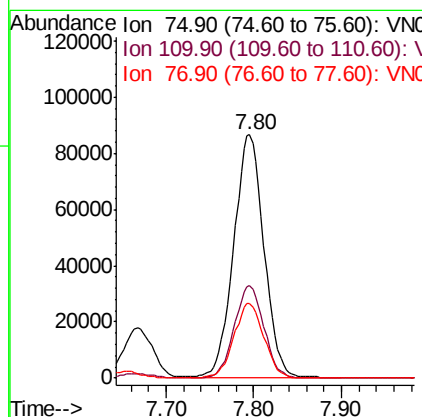
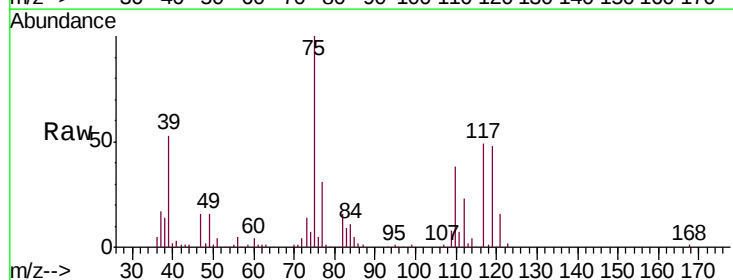
Manual Integrations
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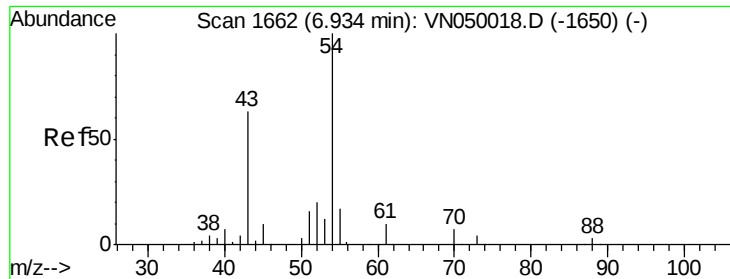
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#36
 1,1-Dichloropropene
 Concen: 20.05 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209163		
110	36.8	18.4	55.2	
77	30.5	25.3	37.9	





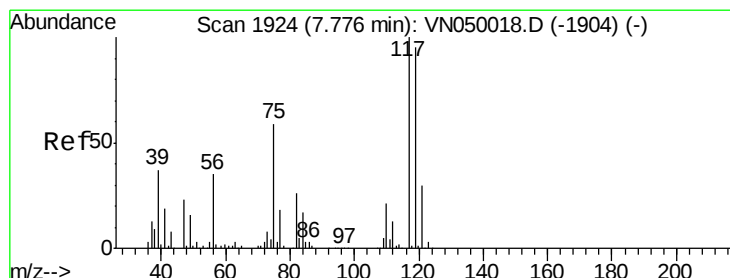
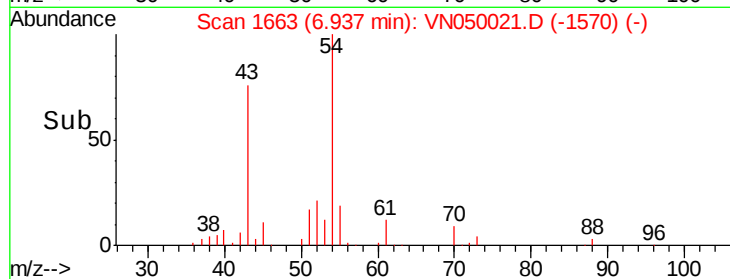
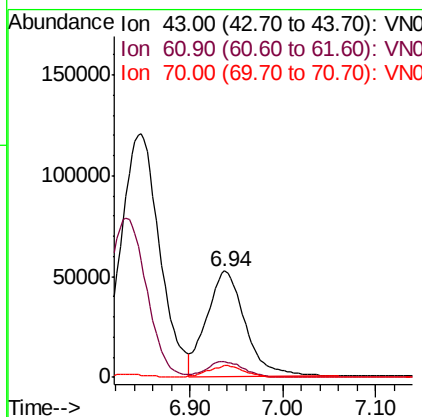
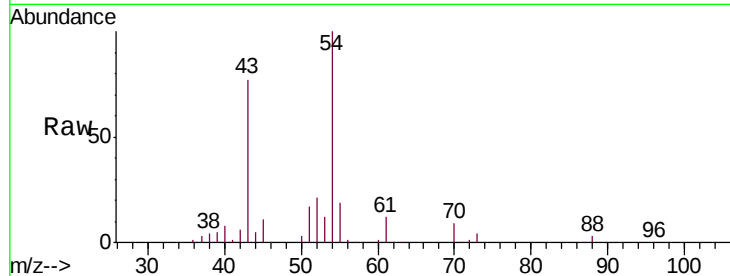
#37
Ethyl Acetate
Concen: 20.72 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.8
70	10.7	8.4	12.6

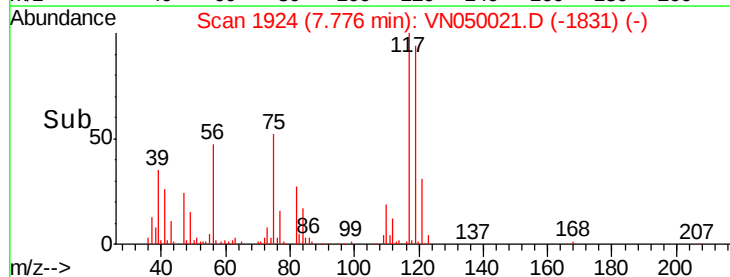
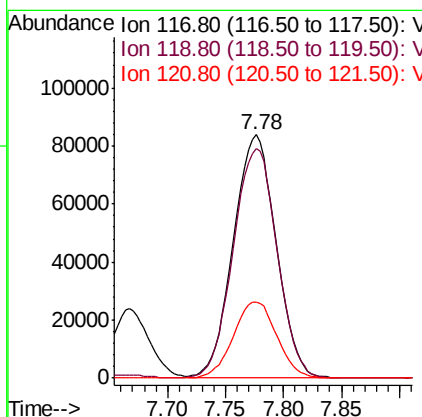
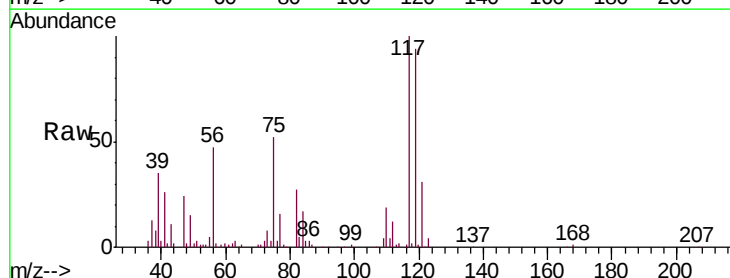
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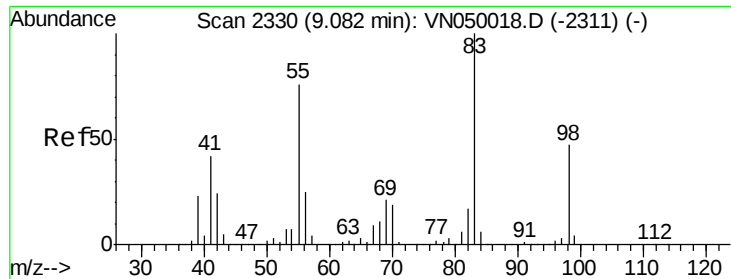
MMDadoda
7/26/2018 1:51:19 PM



#38
Carbon Tetrachloride
Concen: 19.38 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.4	116.0
121	31.4	23.9	35.9





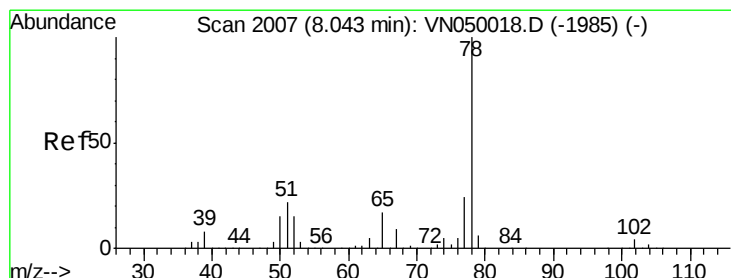
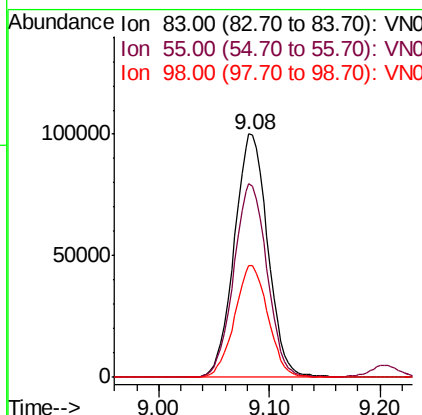
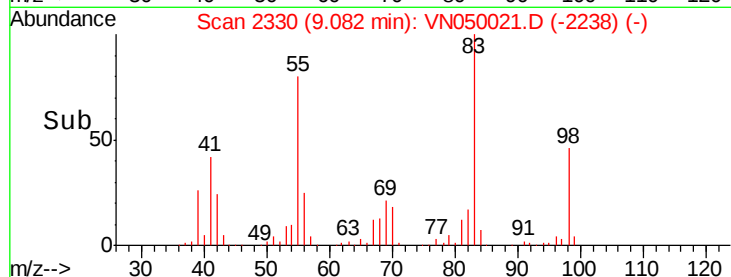
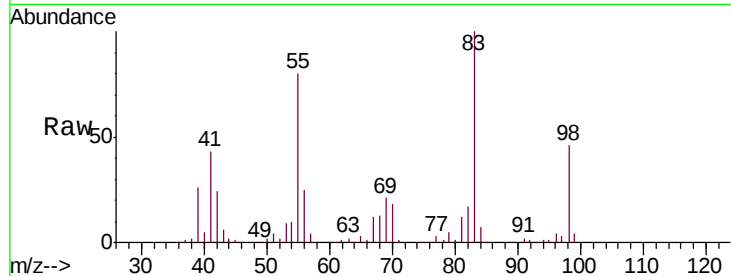
#39
Methvlcvclohexane
Concen: 19.63 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	210713		
55	79.7	61.8	92.8	
98	46.2	36.5	54.7	

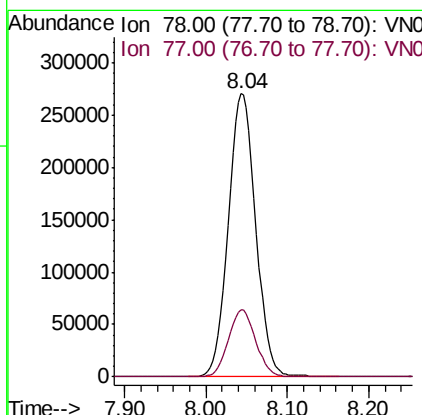
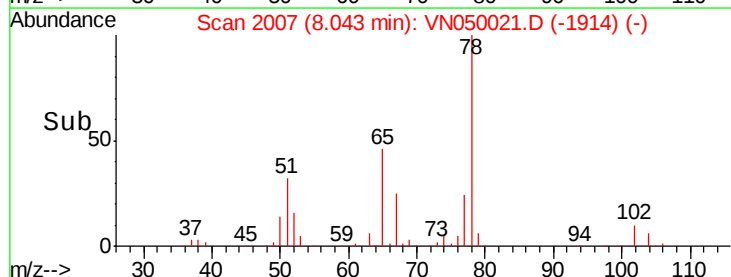
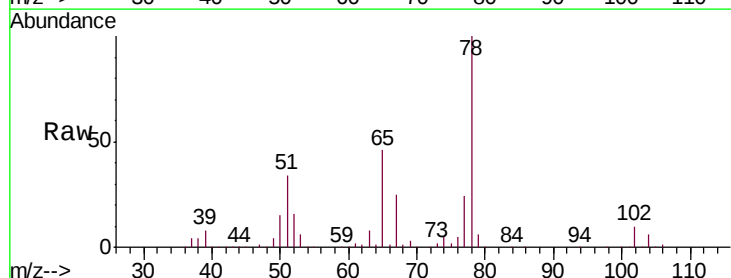
Manual Integrations
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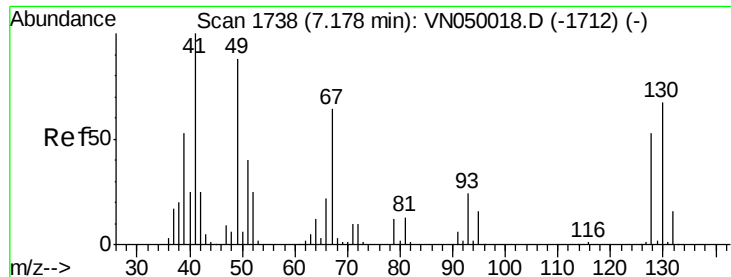
MMDadoda
7/26/2018 1:51:19 PM



#40
Benzene
Concen: 20.08 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	637469		
77	23.9	18.7	28.1	





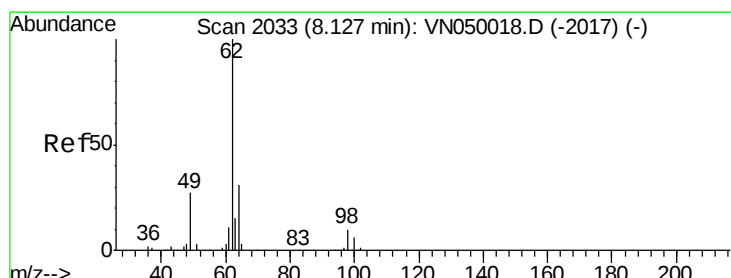
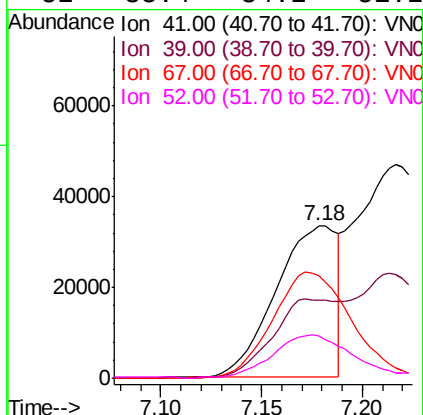
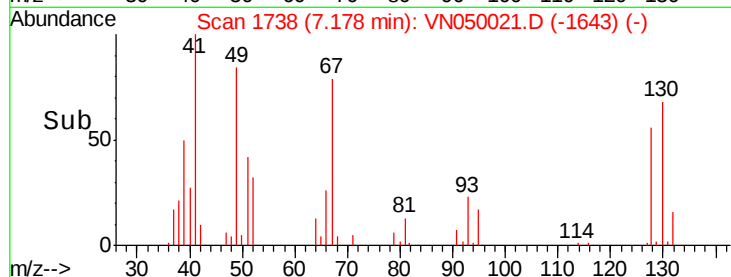
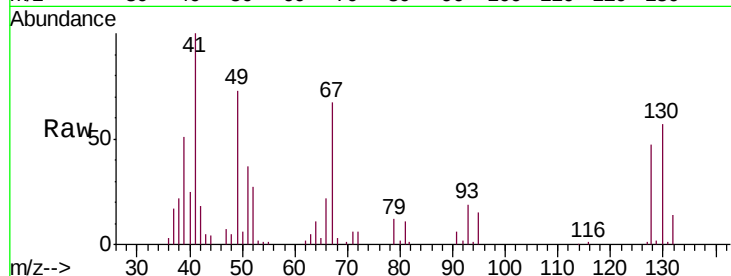
#41
Methacrylonitrile
Concen: 20.39 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.1	55.8	83.6#
67	90.8	84.3	126.5
52	38.4	34.2	51.2

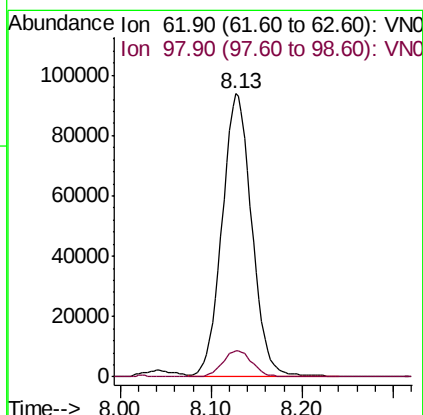
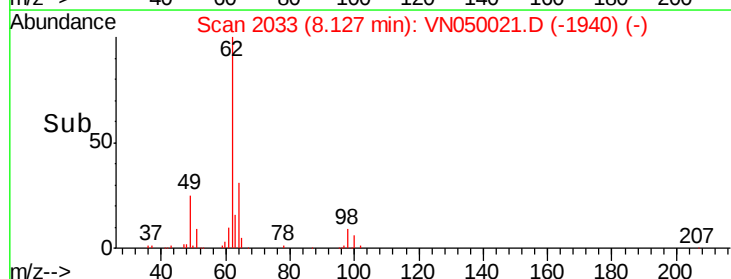
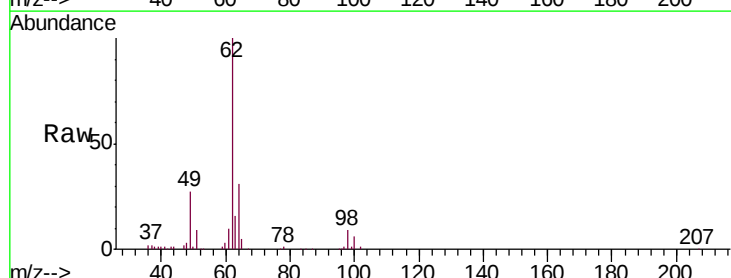
Manual Integrations
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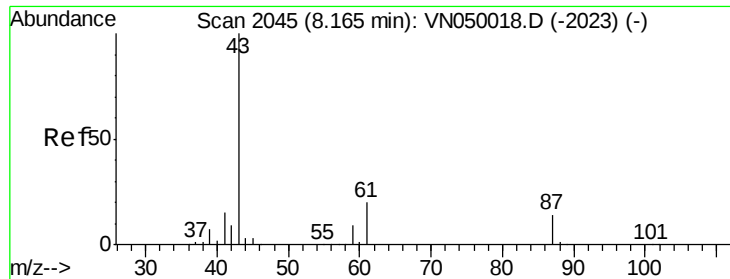
MMDadoda
7/26/2018 1:51:19 PM



#42
1,2-Dichloroethane
Concen: 20.07 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8





#43

Isopropyl Acetate

Concen: 19.02 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

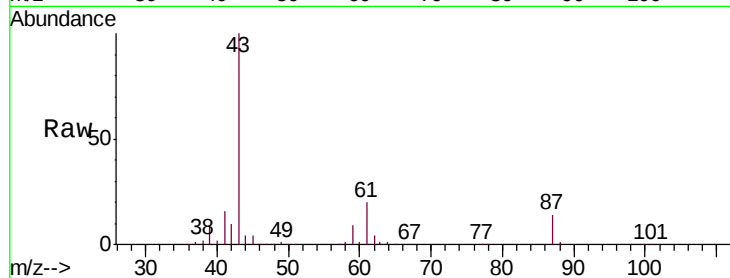
ClientSampleId :

VN0724MBS01

Tot Ion:	43	Resp:	270380
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.8	23.6
87	12.9	10.3	15.5

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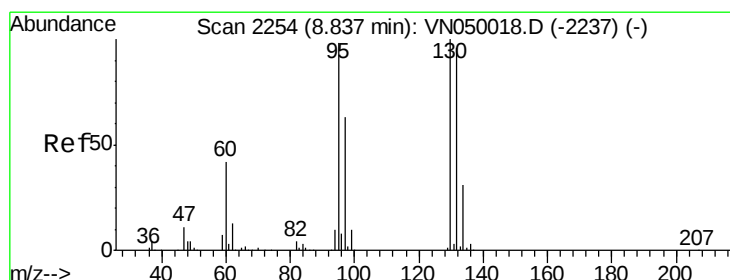
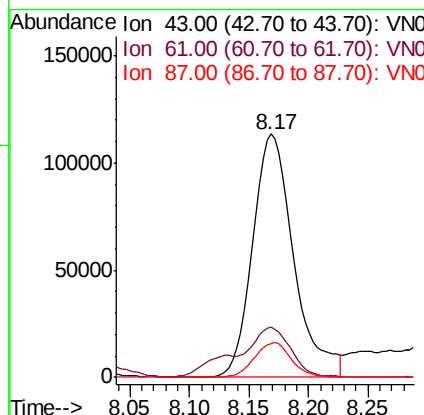
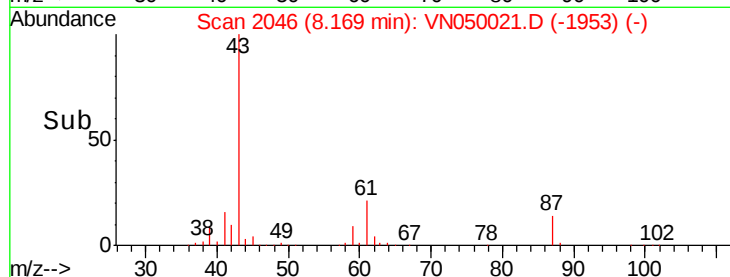


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

Time-->



#44

Trichloroethene

Concen: 19.41 ug/l

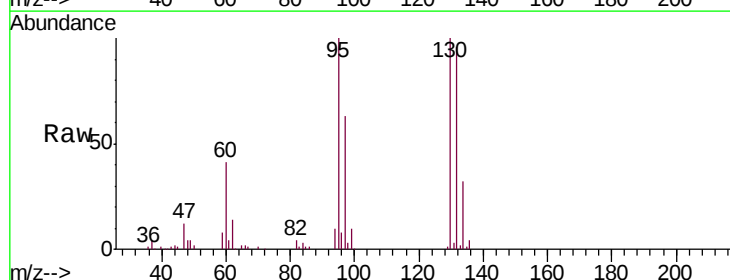
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

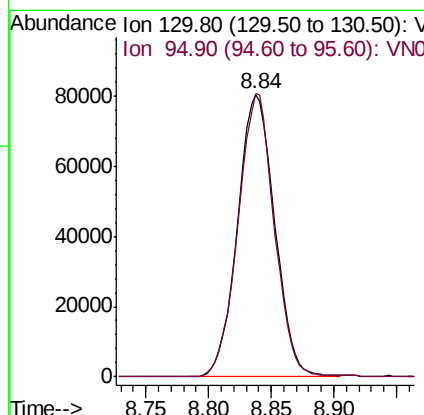
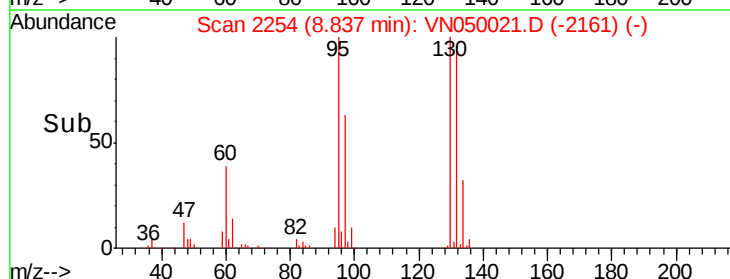
Tgt Ion:	130	Resp:	165567
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	194.6

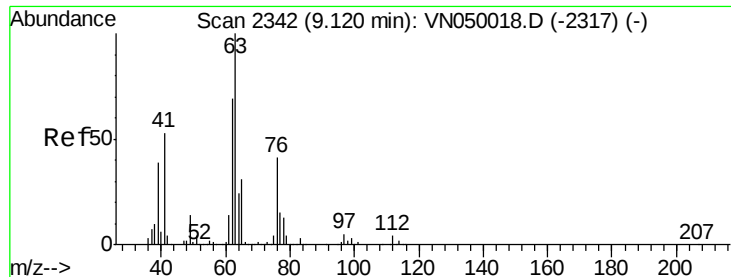


Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.90 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion: 63 Resp: 167336

Ion Ratio Lower Upper

63 100

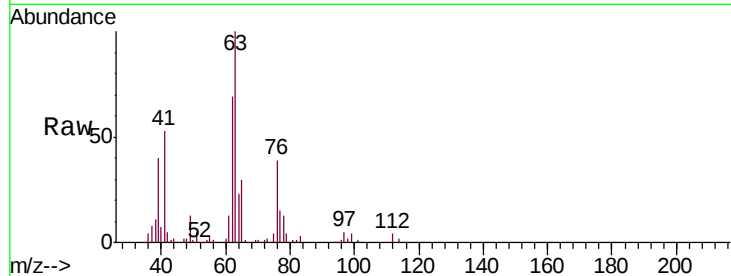
65 30.1 25.5 38.3

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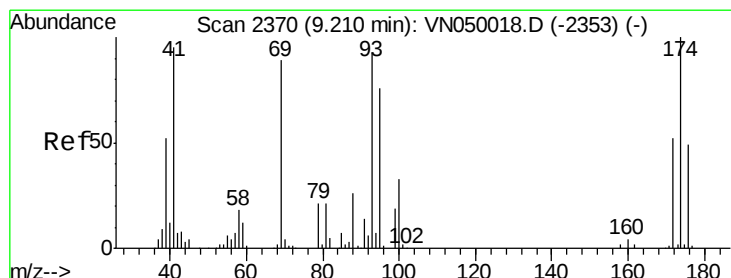
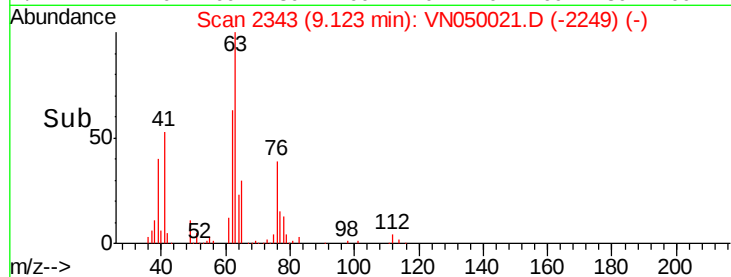
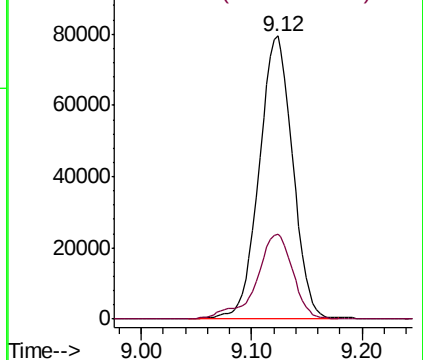
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.20 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

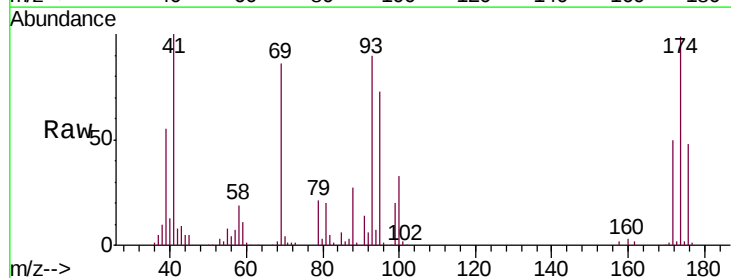
Tgt Ion: 93 Resp: 105453

Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

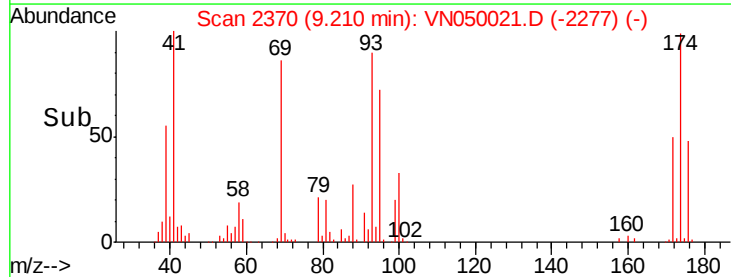
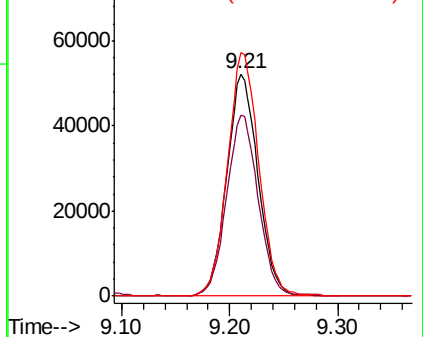
174 110.2 87.1 130.7

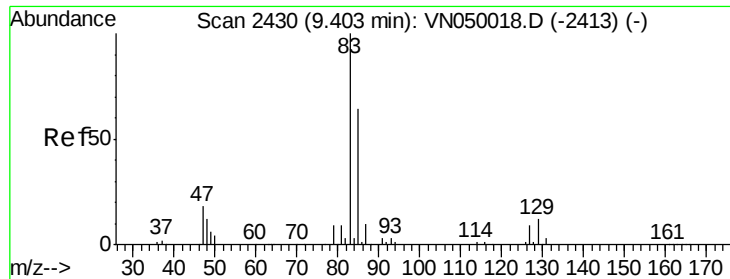


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.70 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

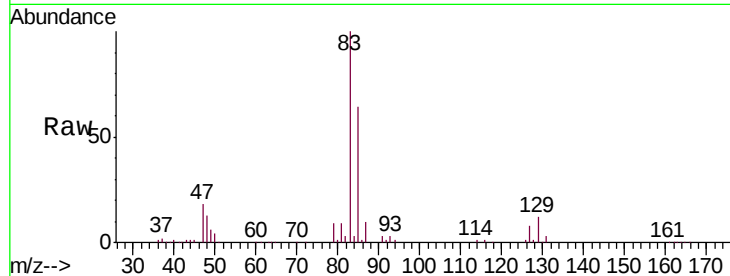
ClientSampleId :

VN0724MBS01

Tot Ion:	83	Resp:	217119
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	8.2	7.0	10.4

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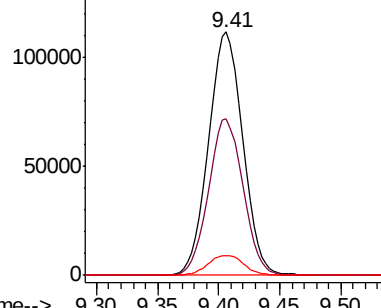
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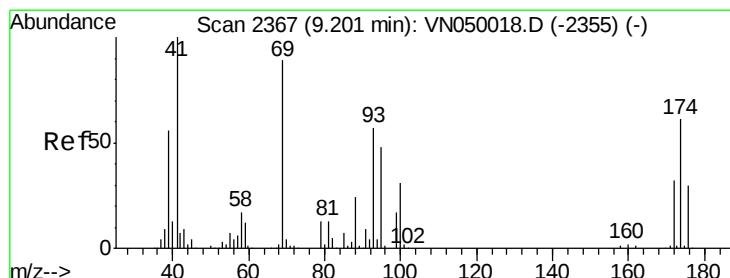
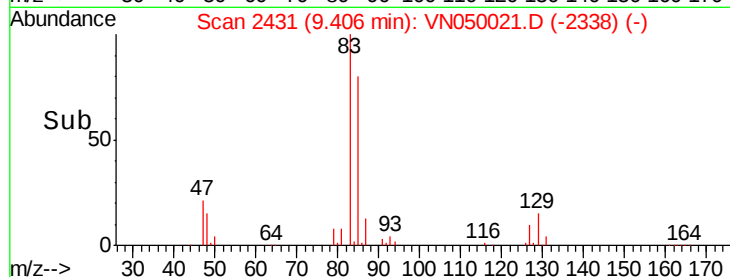
Abundance Ion 82.90 (82.60 to 83.60): VN050021.D (-2438) (-)

Ion 84.90 (84.60 to 85.60): VN050021.D (-2438) (-)

Ion 126.80 (126.50 to 127.50): VN050021.D (-2438) (-)



Time-->



#48

Methyl methacrylate

Concen: 20.56 ug/l

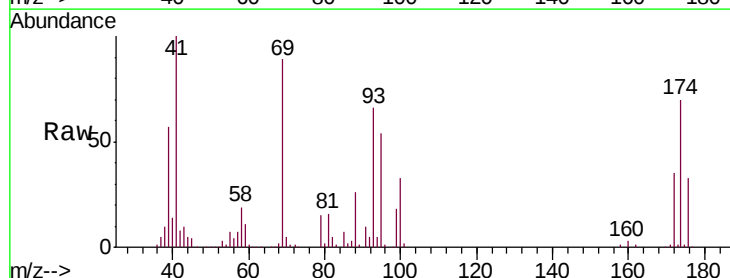
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

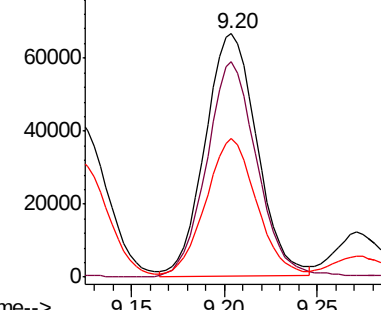
Tgt Ion:	41	Resp:	128825
Ion Ratio	Lower	Upper	
41	100		
69	86.8	70.6	105.8
39	55.8	43.9	65.9



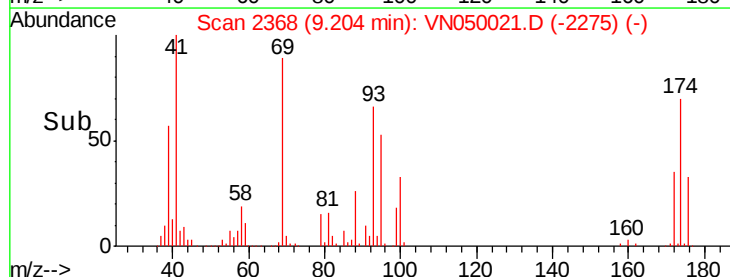
Abundance Ion 41.00 (40.70 to 41.70): VN050021.D (-2275) (-)

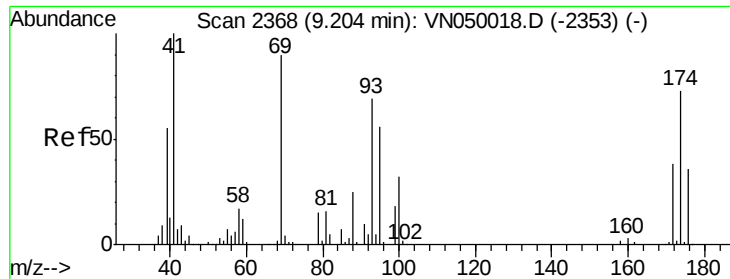
Ion 69.00 (68.70 to 69.70): VN050021.D (-2275) (-)

Ion 39.00 (38.70 to 39.70): VN050021.D (-2275) (-)



Time-->





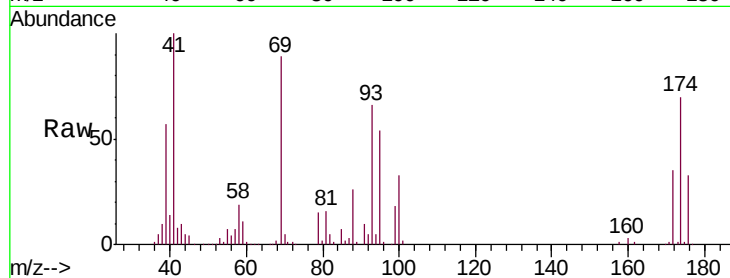
#49
 1,4-Dioxane
 Concen: 426.44 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0724MBS01

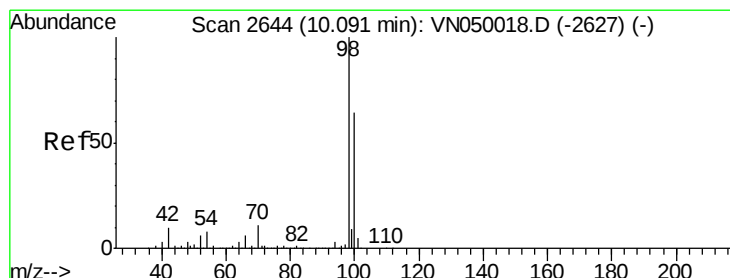
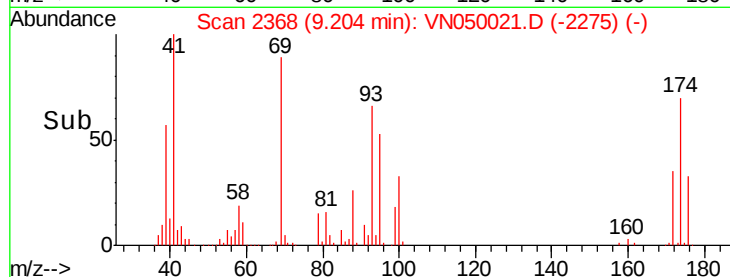
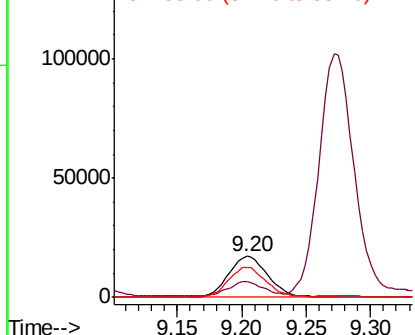
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.9	40.3
58	70.5	57.3	85.9

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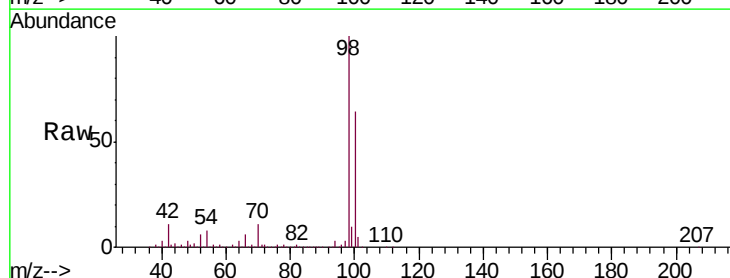


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

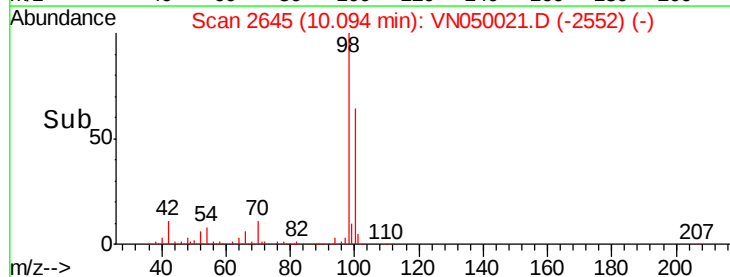
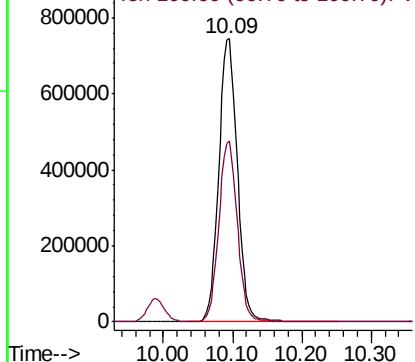


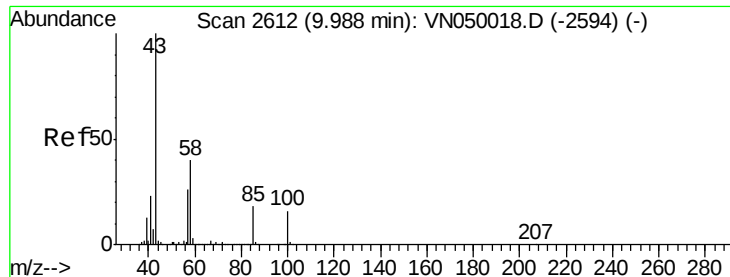
#50
 Toluene-d8
 Concen: 49.86 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





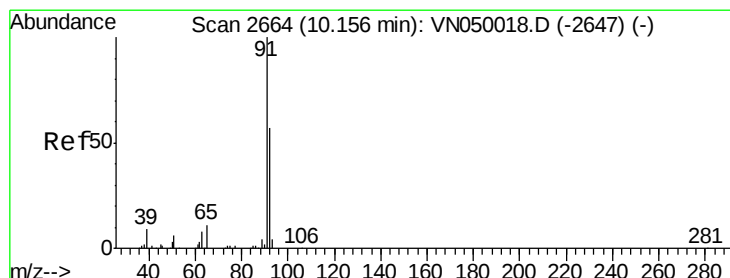
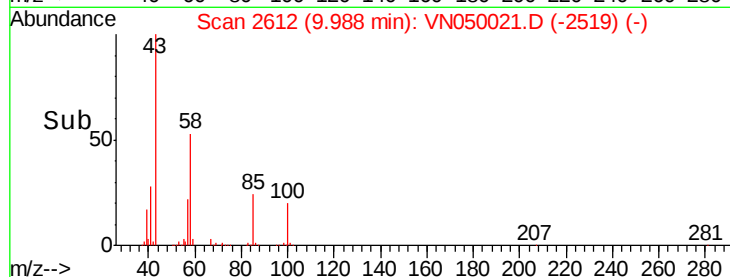
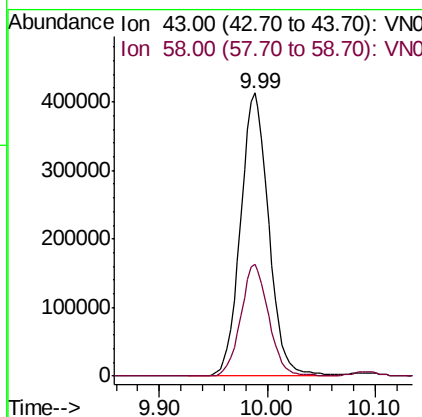
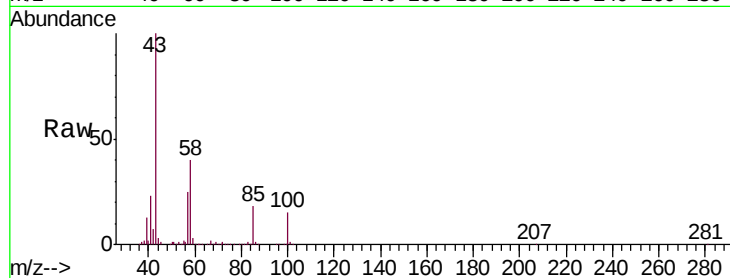
#51
4-Methyl-2-Pentanone
Concen: 104.76 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.9	47.9

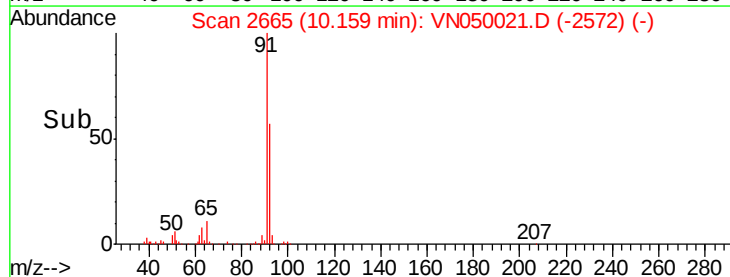
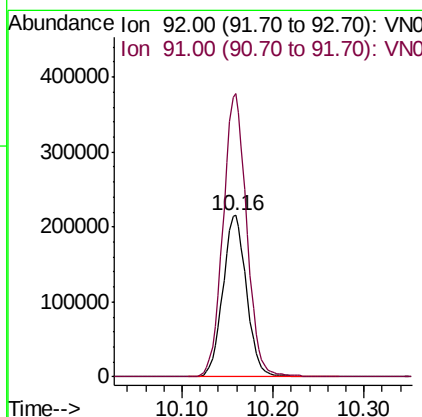
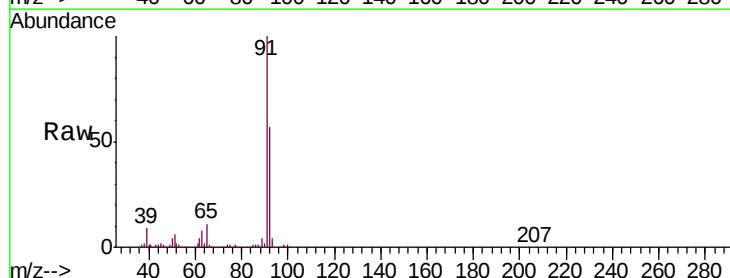
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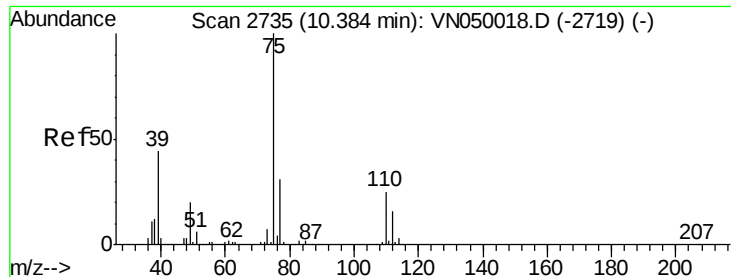
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#52
Toluene
Concen: 20.80 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.0	140.3	210.5





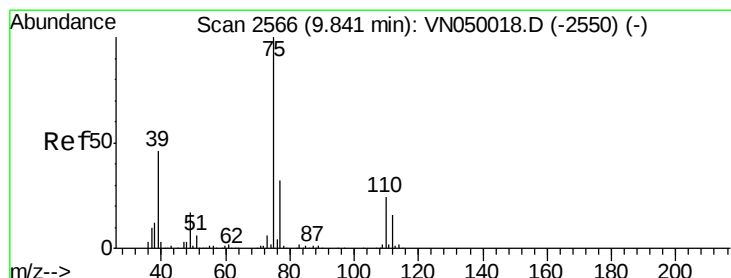
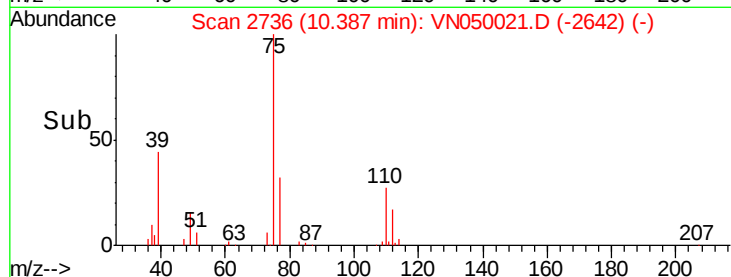
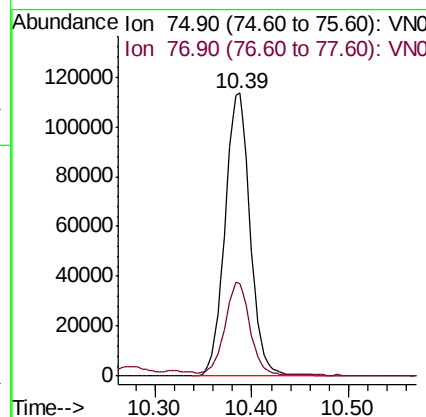
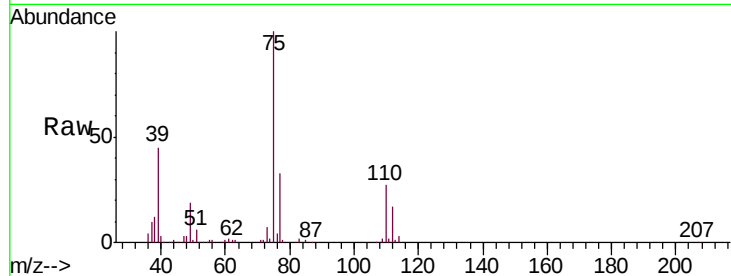
#53
t-1,3-Dichloropropene
Concen: 19.72 ug/l
RT: 10.39 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampled :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.9	37.3

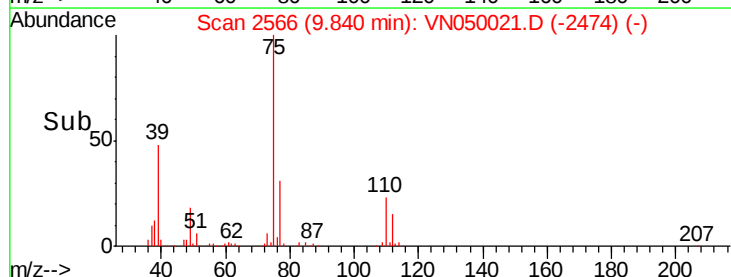
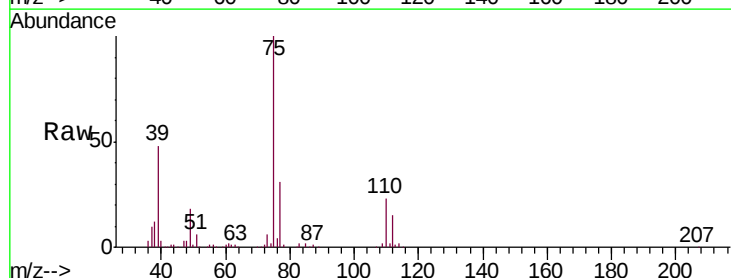
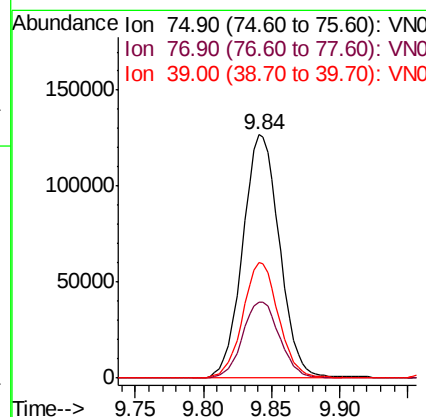
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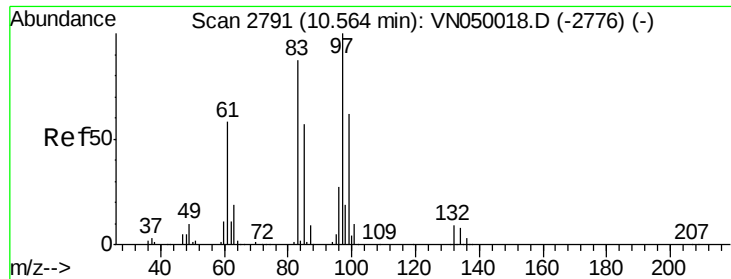
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#54
cis-1,3-Dichloropropene
Concen: 20.00 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	47.6	36.6	55.0





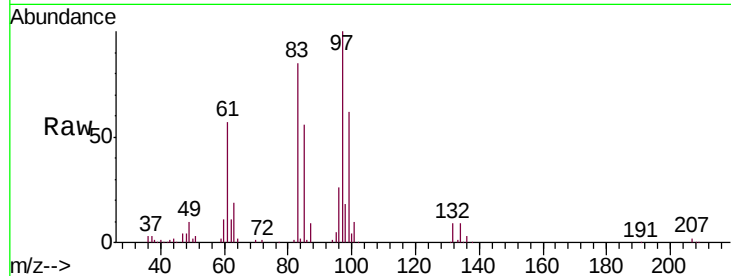
#55
 1,1,2-Trichloroethane
 Concen: 20.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		151270		
83	85.0	69.2	103.8		
85	55.7	44.0	66.0		
99	62.2	49.9	74.9		

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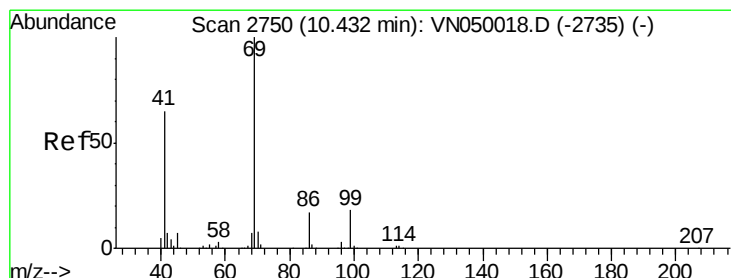
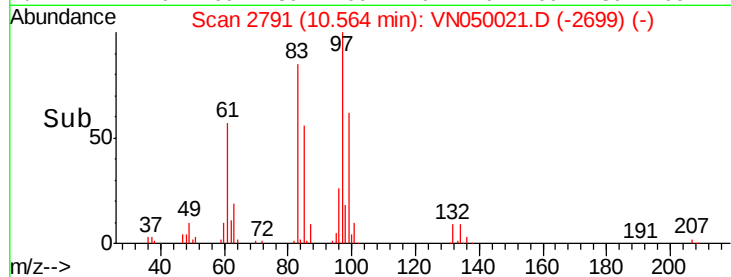
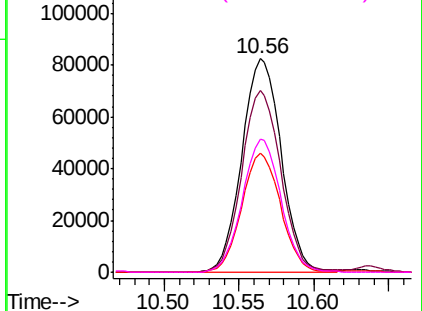
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

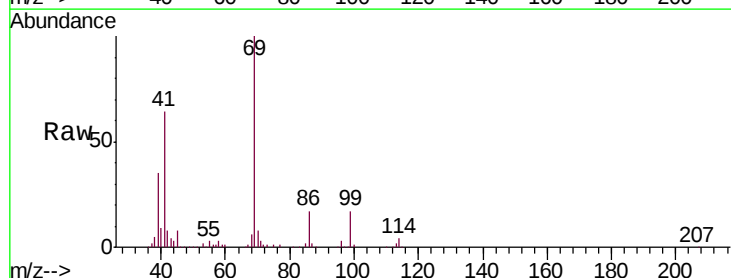
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 18.92 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		177249		
41	63.8	51.0	76.4		
39	34.5	26.6	40.0		

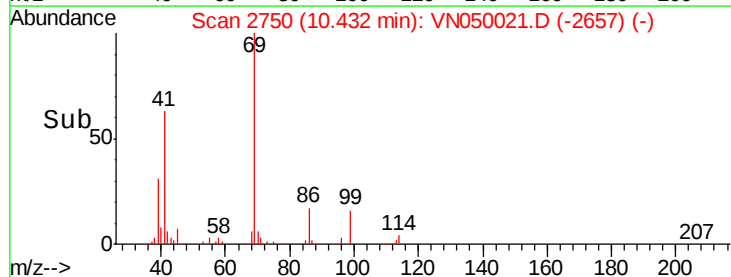
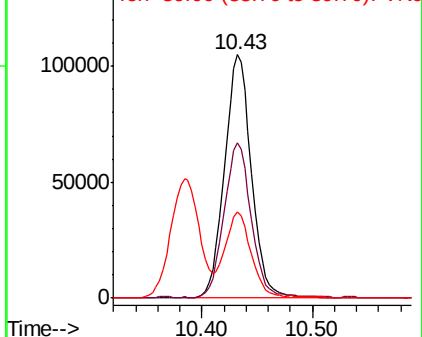


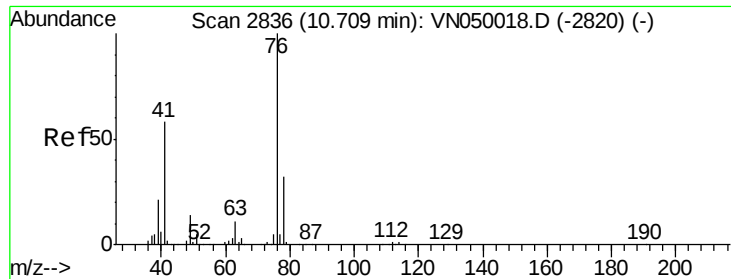
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.39 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion: 76 Resp: 246753

Ion Ratio Lower Upper

76 100

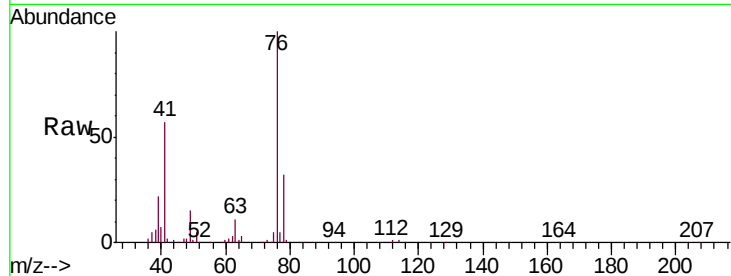
78 31.7 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

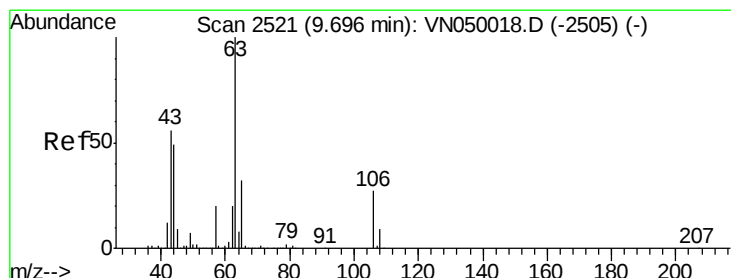
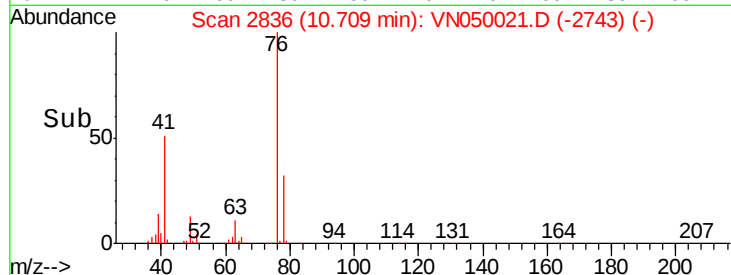
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 92.69 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050021.D

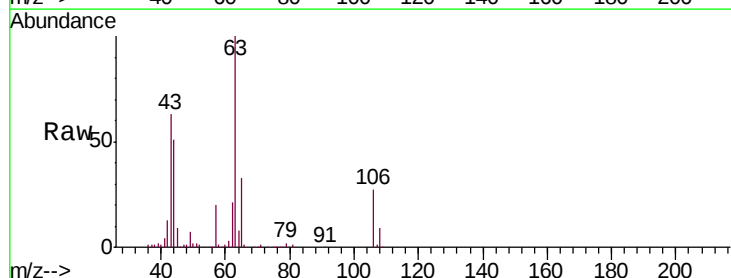
Acq: 24 Jul 2018 15:28

Tgt Ion: 63 Resp: 409879

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

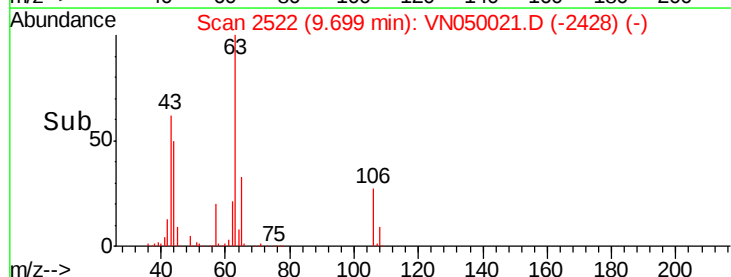
150000

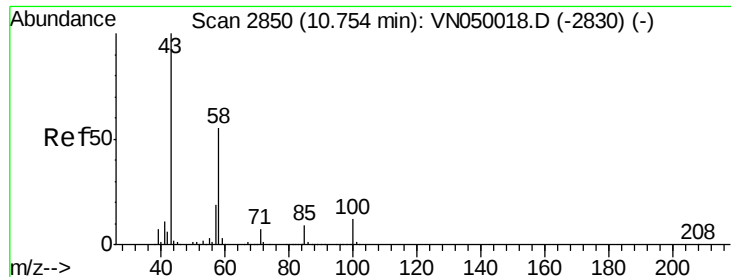
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





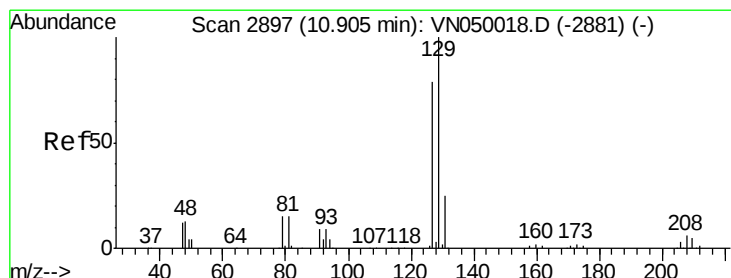
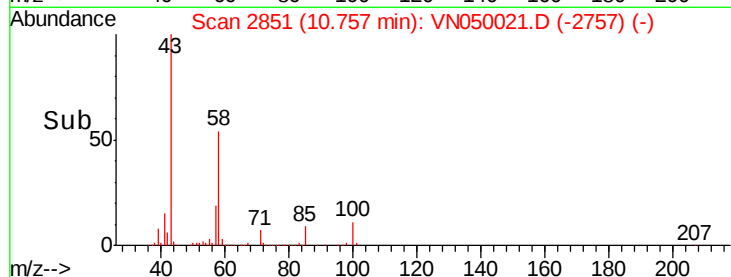
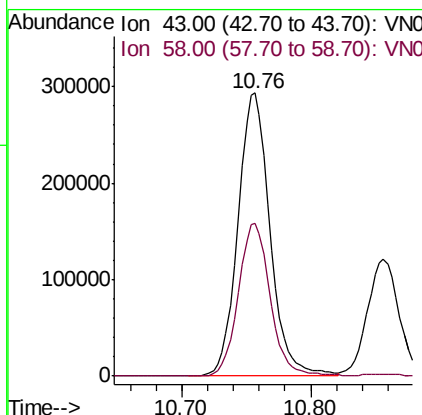
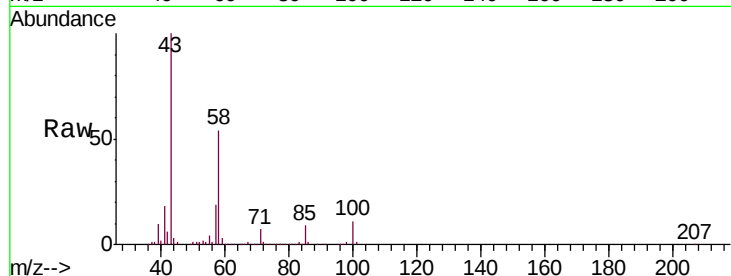
#59
2-Hexanone
Concen: 99.34 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	27.6	82.7

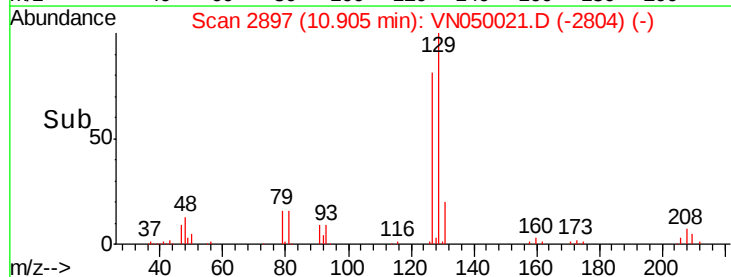
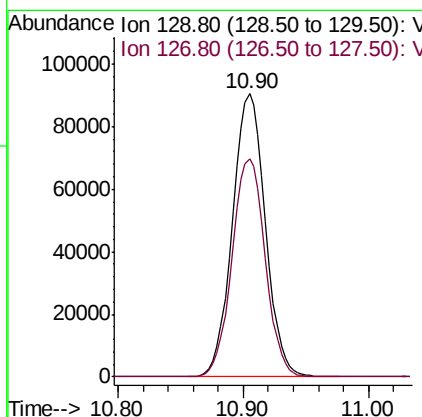
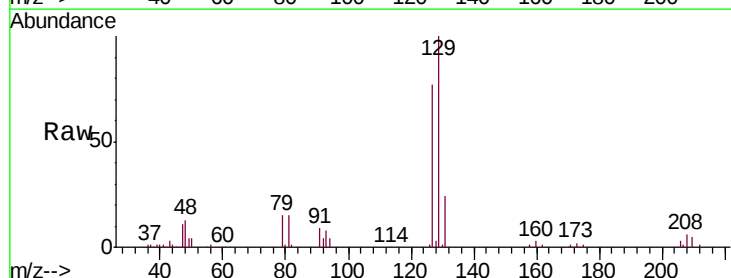
Manual Integrations
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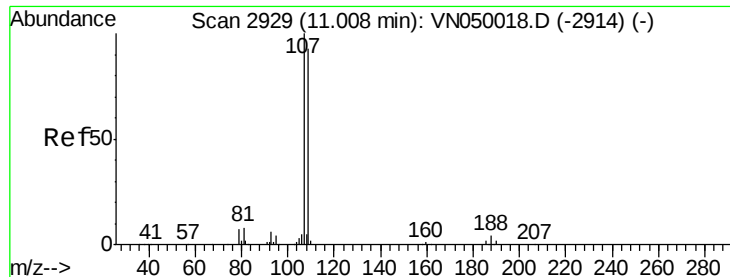
MMDadoda
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#60
Dibromochloromethane
Concen: 20.04 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.0	113.9





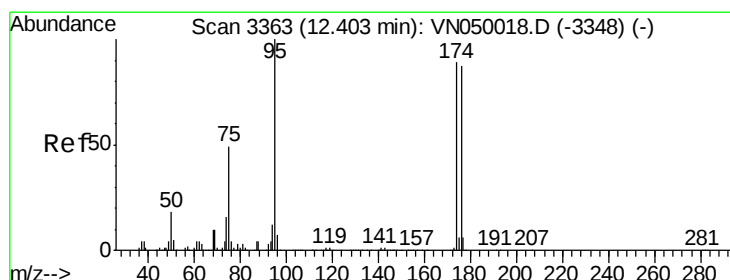
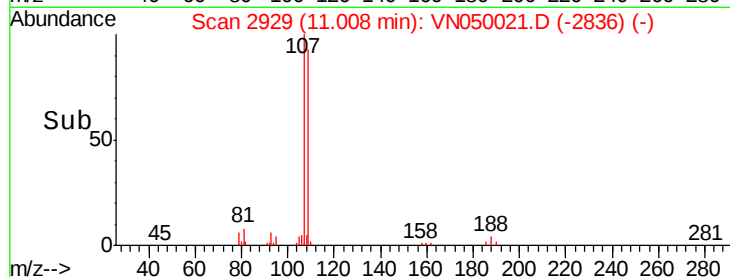
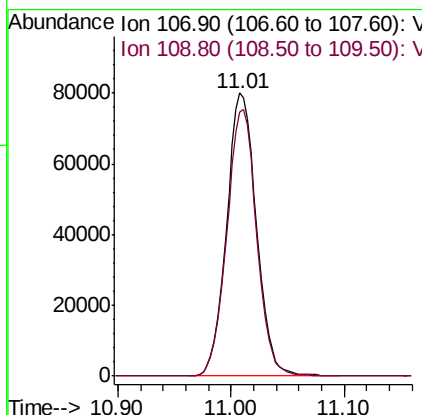
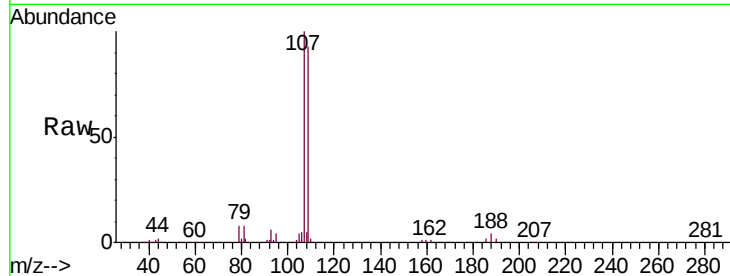
#61
1,2-Dibromoethane
Concen: 19.88 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	112.0

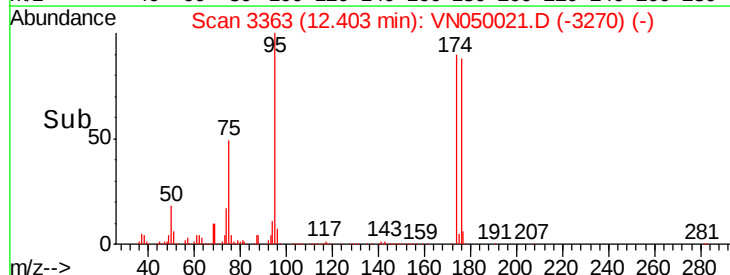
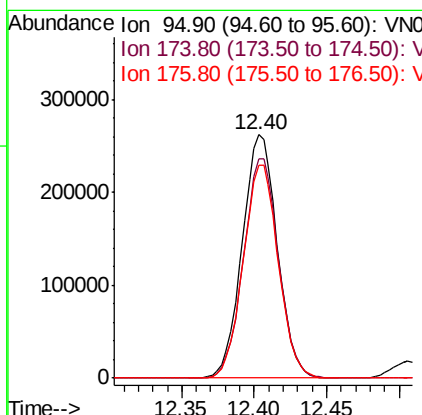
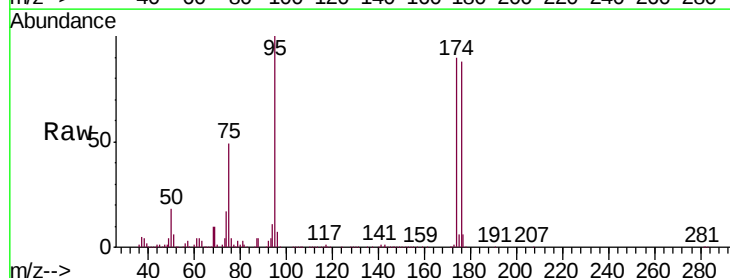
Manual Integrations
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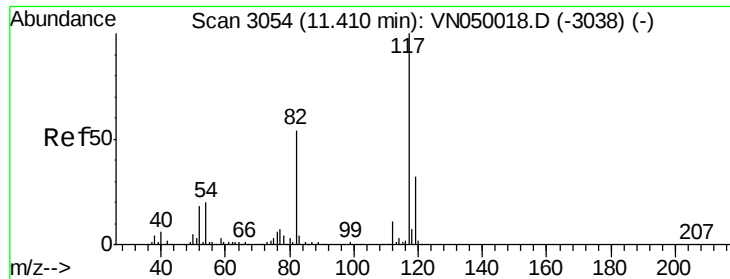
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 48.11 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	178.2
176	87.7	0.0	173.4





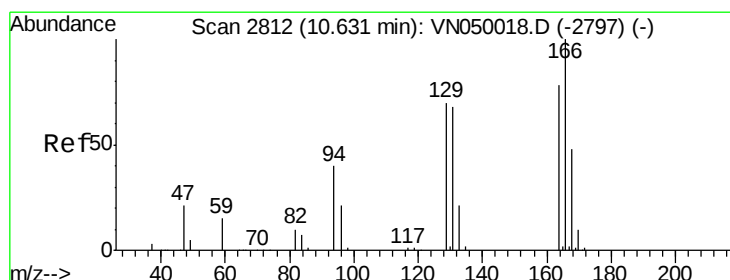
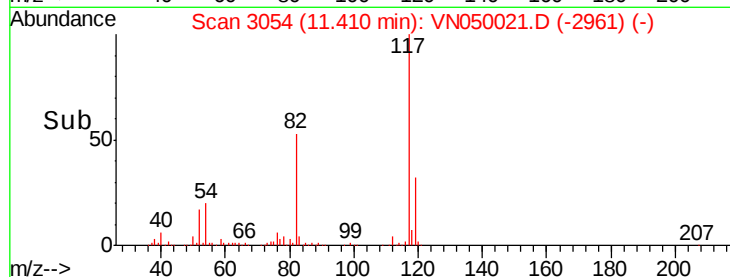
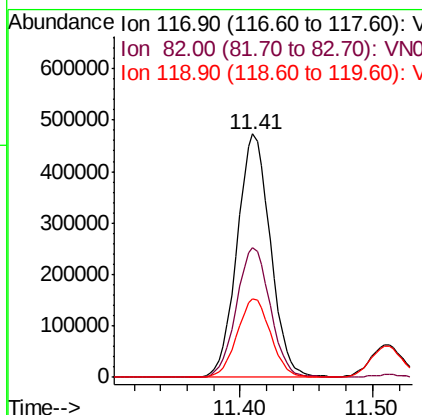
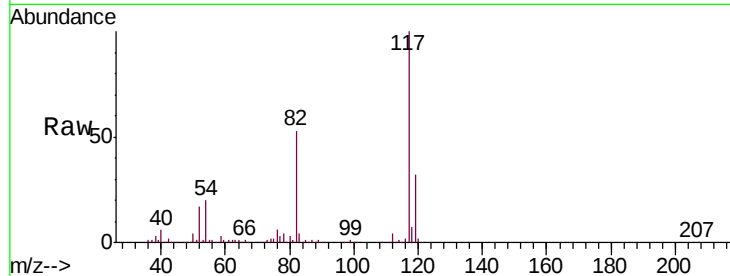
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.7	65.5
119	32.5	26.1	39.1

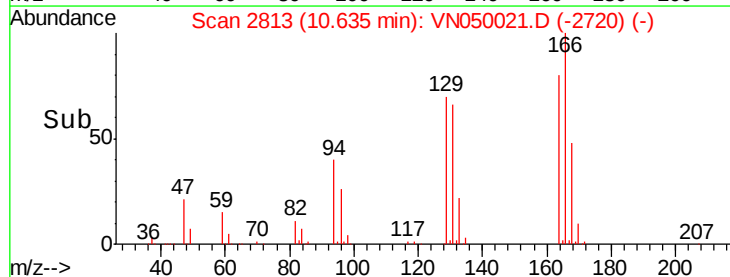
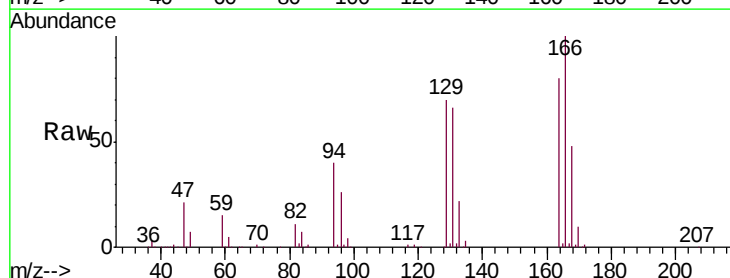
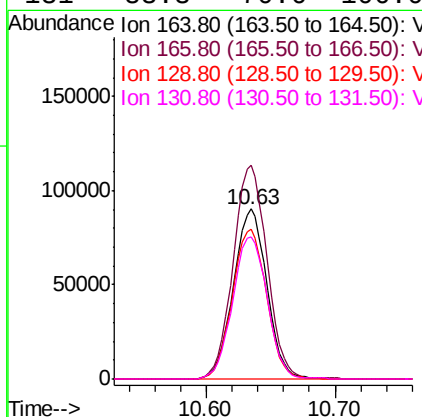
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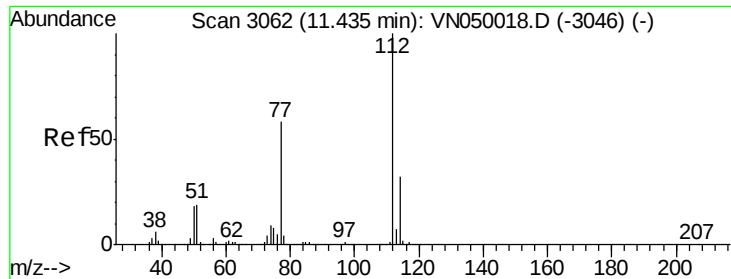
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#64
Tetrachloroethene
Concen: 20.48 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.1	153.1
129	87.8	73.2	109.8
131	83.3	70.6	106.0





#65

Chlorobenzene

Concen: 19.65 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampled :

VN0724MBS01

Tot Ion:112 Resp: 409945

Ion Ratio Lower Upper

112 100

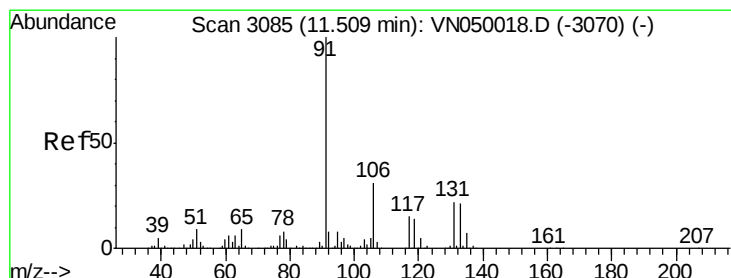
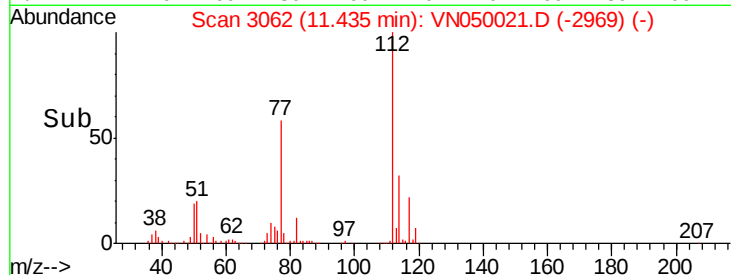
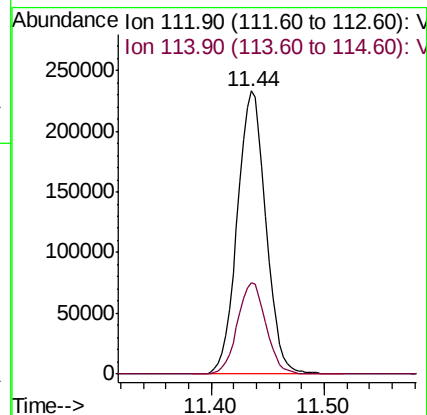
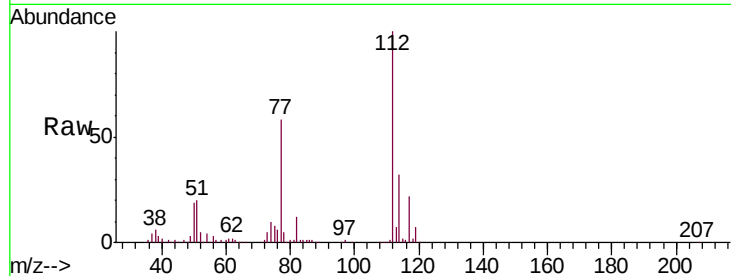
114 32.4 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.11 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

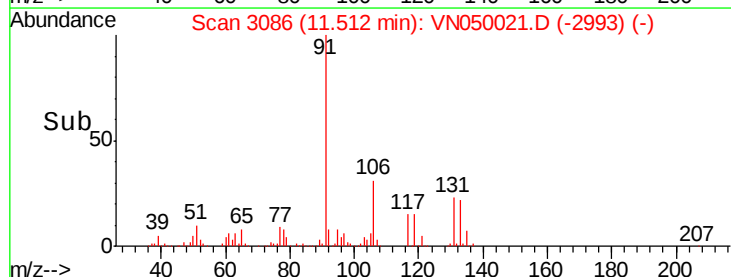
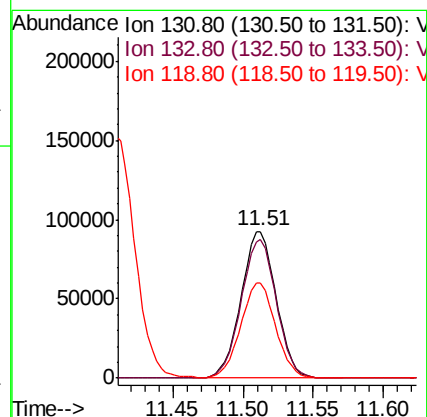
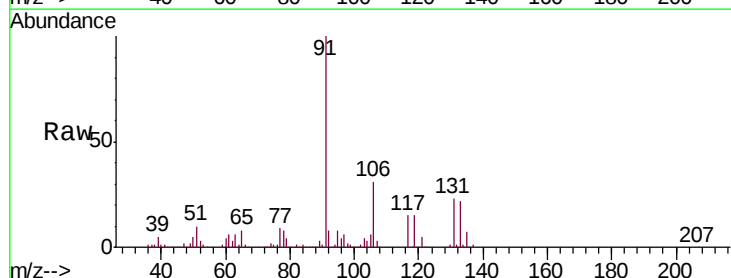
Tgt Ion:131 Resp: 161161

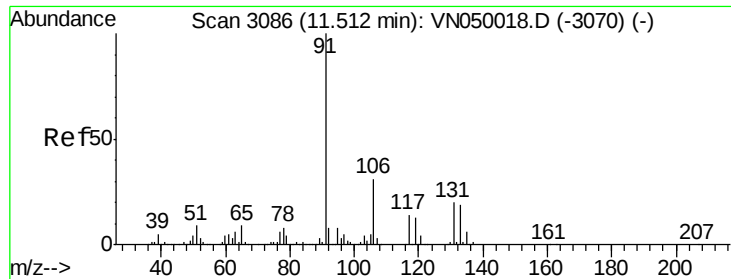
Ion Ratio Lower Upper

131 100

133 94.9 47.3 141.9

119 64.8 32.9 98.7





#67

Ethyl Benzene

Concen: 20.29 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion: 91 Resp: 679996

Ion Ratio Lower Upper

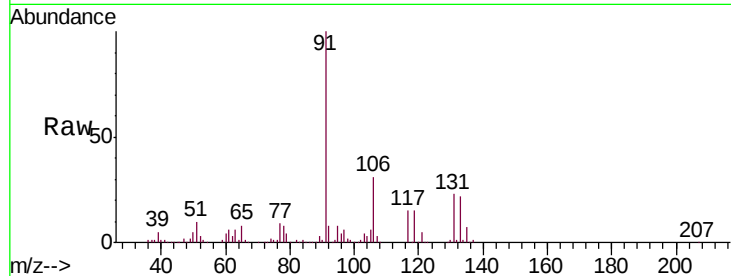
91 100

106 31.3 25.0 37.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN050018.D (-3070) (-)

600000

500000

400000

300000

200000

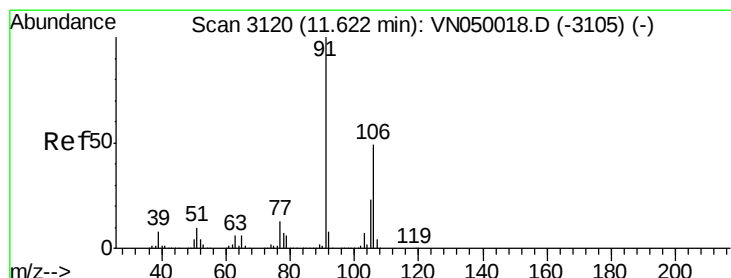
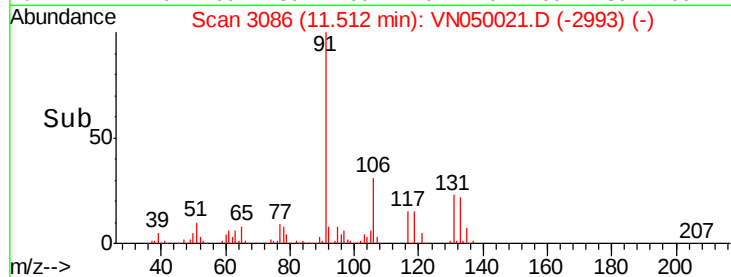
100000

0

11.50

11.60

Time-->



#68

m/p-Xylenes

Concen: 42.34 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050021.D

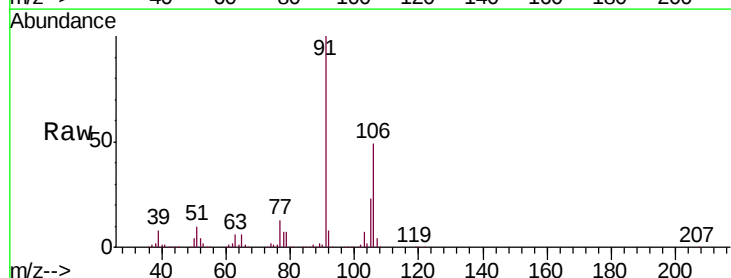
Acq: 24 Jul 2018 15:28

Tgt Ion: 106 Resp: 536647

Ion Ratio Lower Upper

106 100

91 200.9 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN050018.D (-3105) (-)

600000

500000

400000

300000

200000

100000

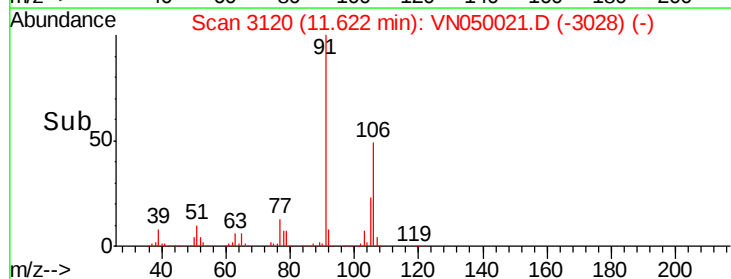
0

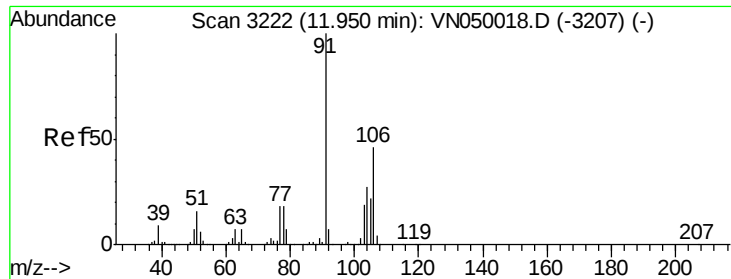
11.50

11.60

11.70

Time-->





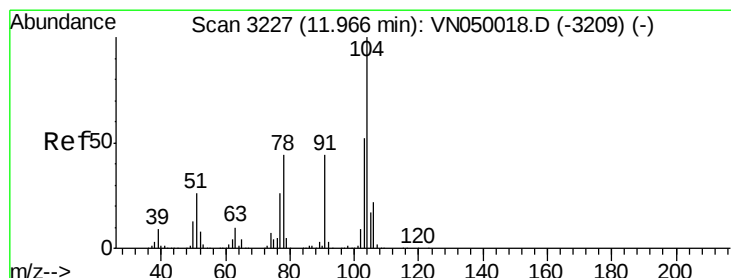
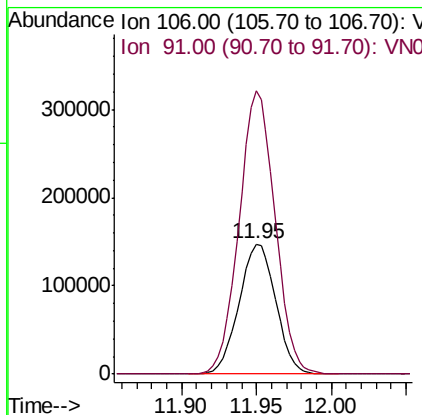
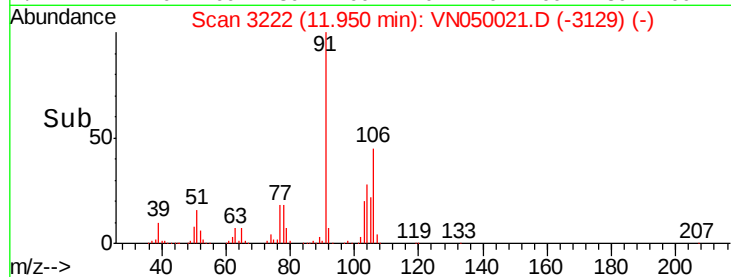
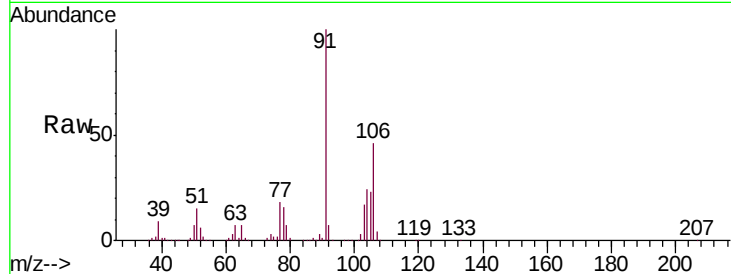
#69
o-Xylene
Concen: 20.82 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion:106 Resp: 251579
Ion Ratio Lower Upper
106 100
91 213.4 107.7 323.1

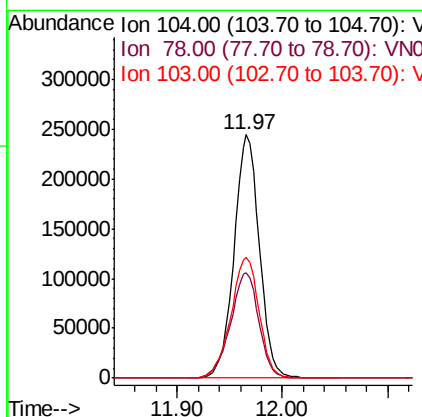
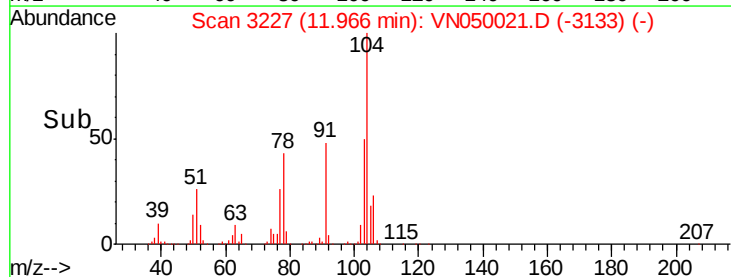
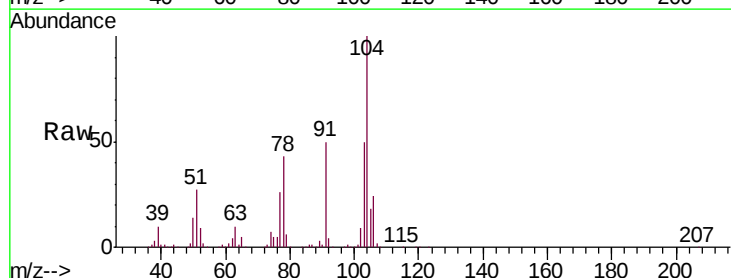
Manual Integrations
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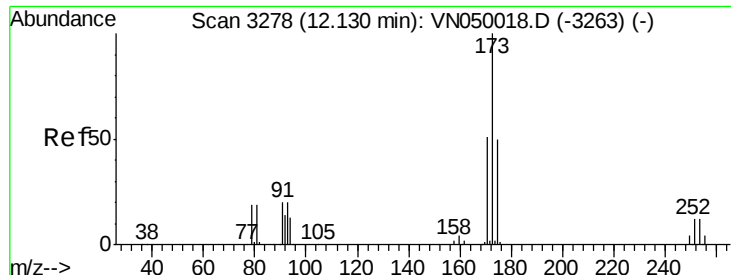
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#70
Styrene
Concen: 19.44 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion:104 Resp: 405339
Ion Ratio Lower Upper
104 100
78 48.6 39.3 58.9
103 55.2 45.0 67.6





#71

Bromoform

Concen: 19.54 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion:173 Resp: 113947

Ion Ratio Lower Upper

173 100

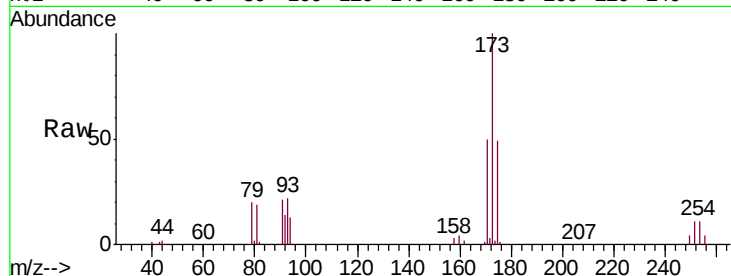
175 48.7 24.1 72.2

254 0.0 0.2 0.2#

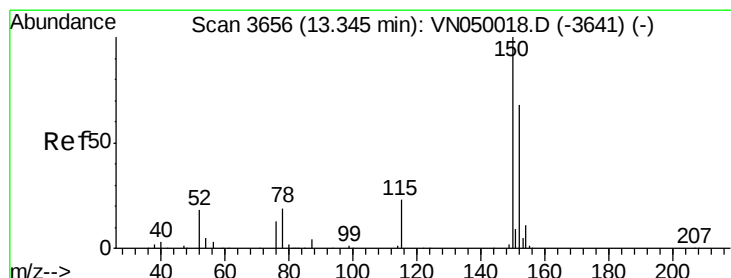
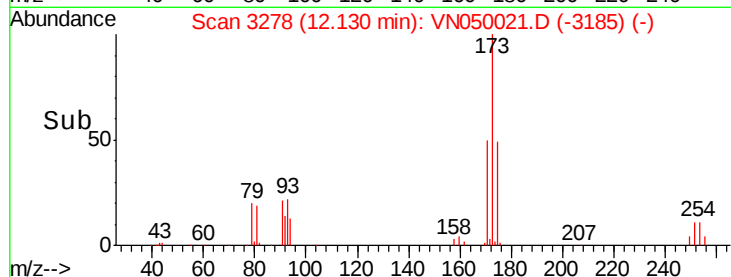
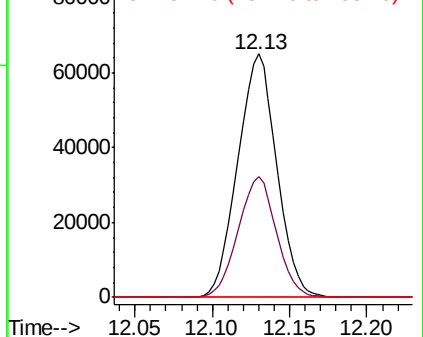
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

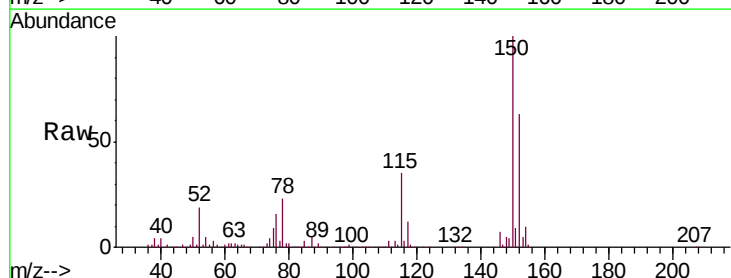
Tgt Ion:152 Resp: 416105

Ion Ratio Lower Upper

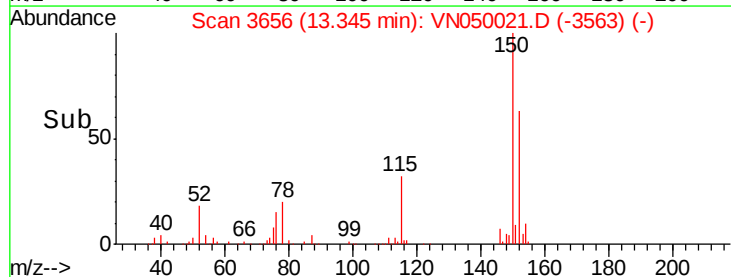
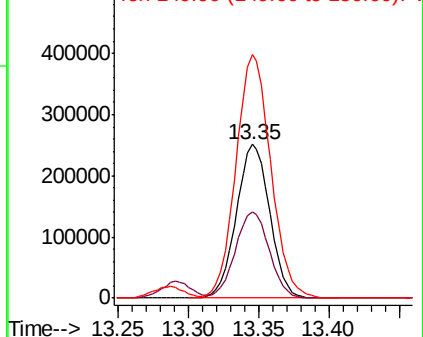
152 100

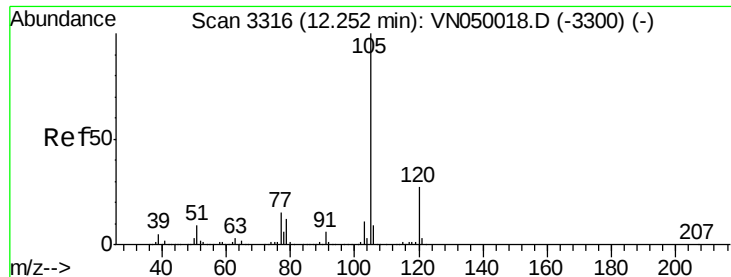
115 56.8 27.8 83.3

150 165.5 0.0 348.6



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





#73

Isopropylbenzene

Concen: 20.83 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion: 105 Resp: 672288

Ion Ratio Lower Upper

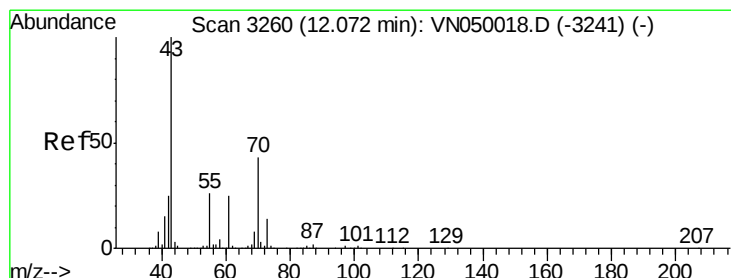
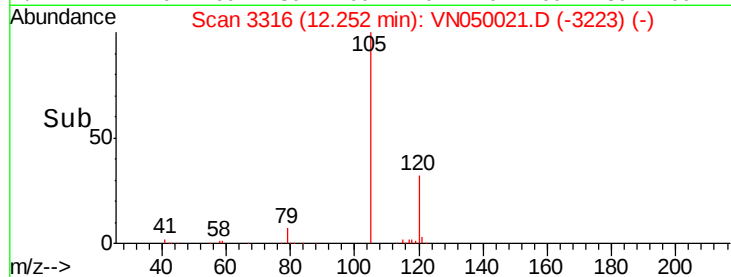
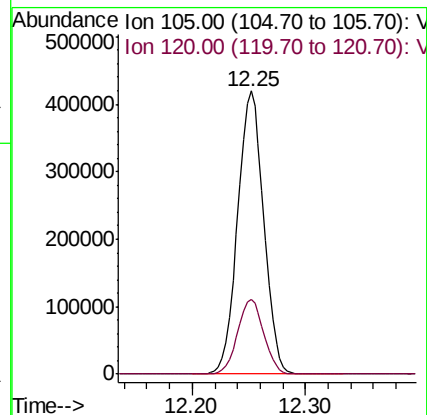
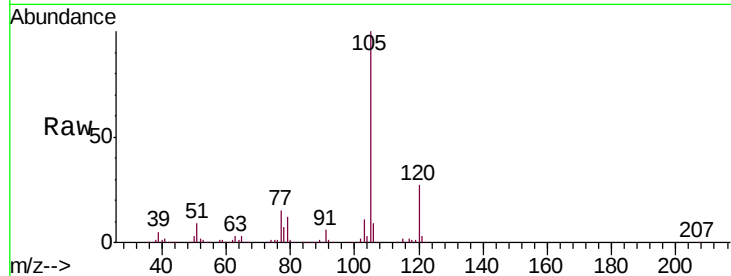
105 100

120 26.5 13.3 39.8

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 19.49 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Tgt Ion: 43 Resp: 192240

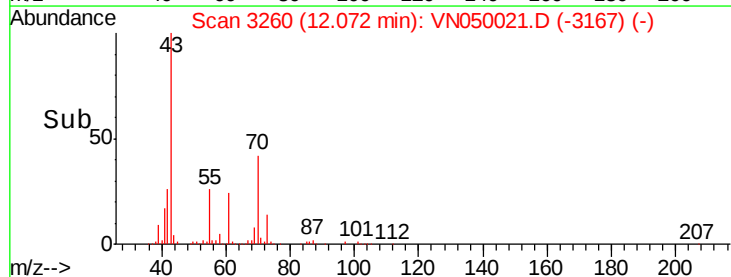
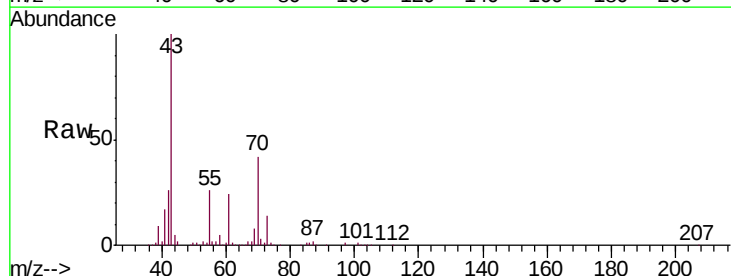
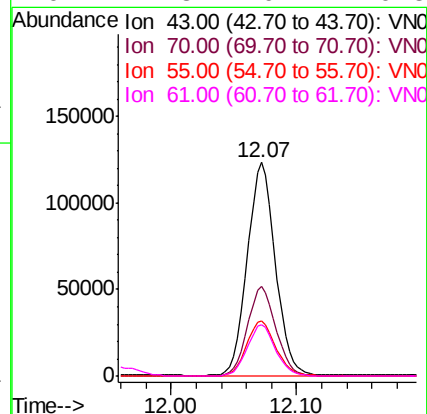
Ion Ratio Lower Upper

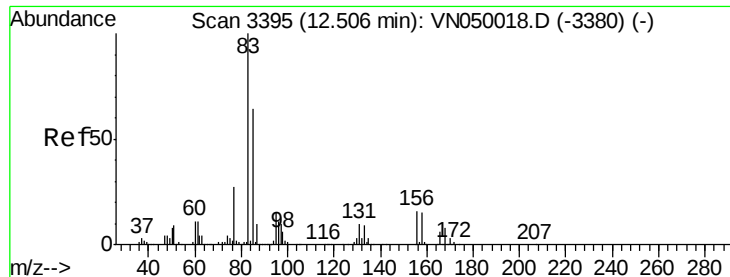
43 100

70 42.6 34.4 51.6

55 27.0 20.8 31.2

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.24 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

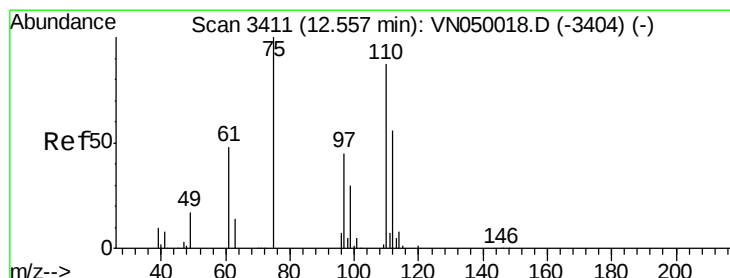
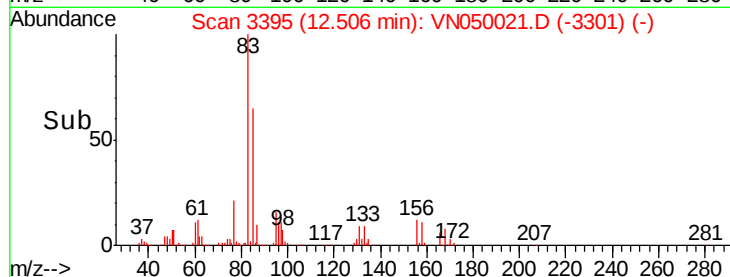
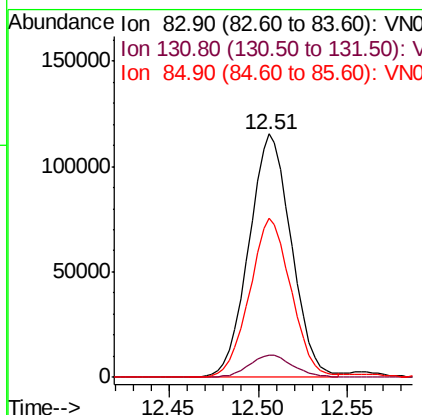
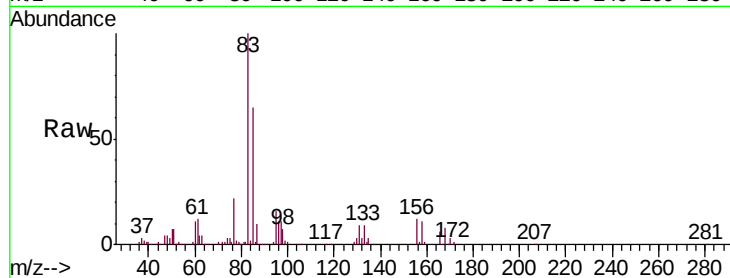
ClientSampleId :

VN0724MBS01

Tot Ion:	83	Resp:	191881
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.62 ug/l m

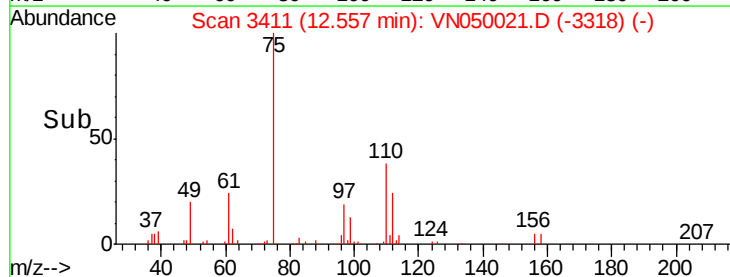
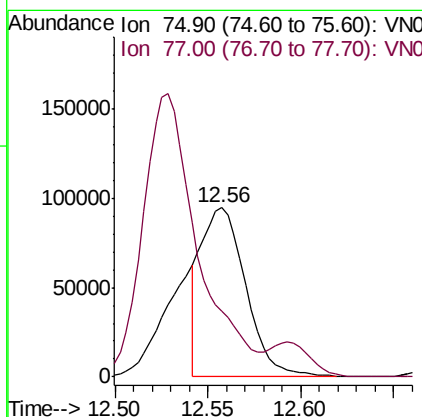
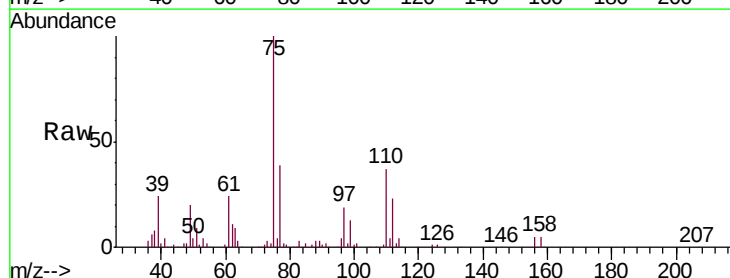
RT: 12.56 min Scan# 3411

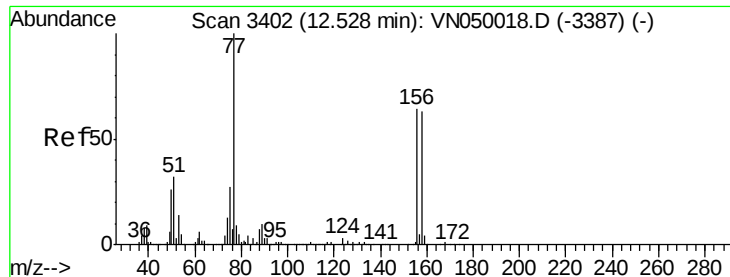
Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Tgt Ion:	75	Resp:	159447
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.77 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

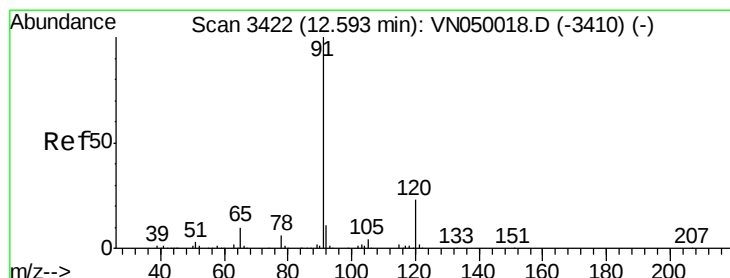
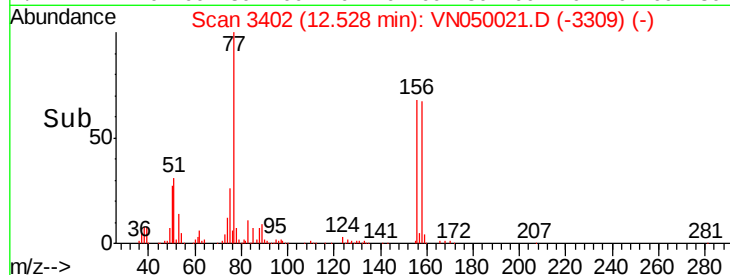
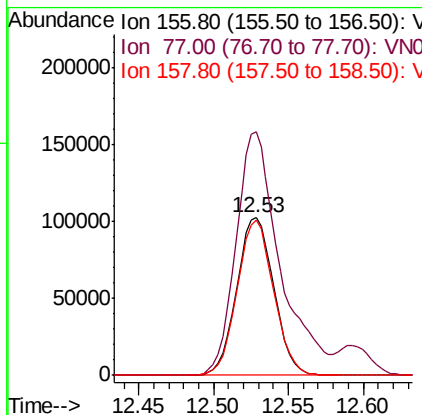
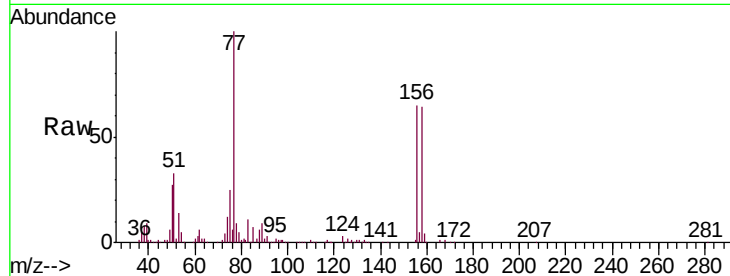
ClientSampleId :

VN0724MBS01

Tot Ion:	156	Resp:	176790
Ion Ratio	Lower	Upper	
156	100		
77	183.3	91.7	275.1
158	96.9	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.18 ug/l

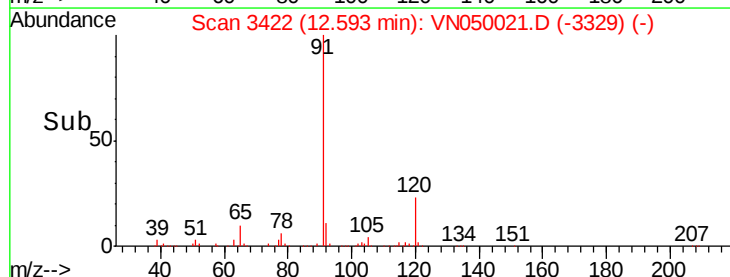
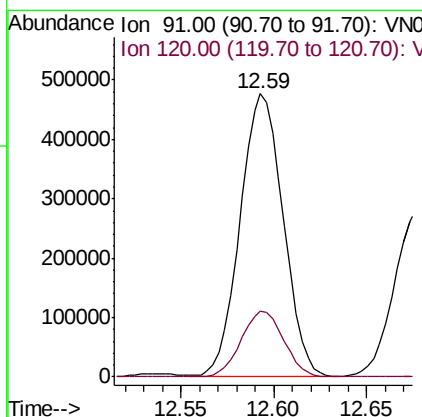
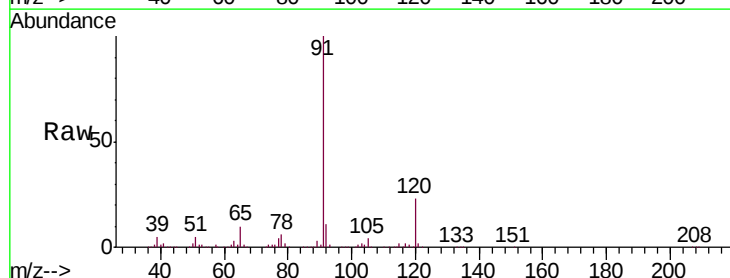
RT: 12.59 min Scan# 3422

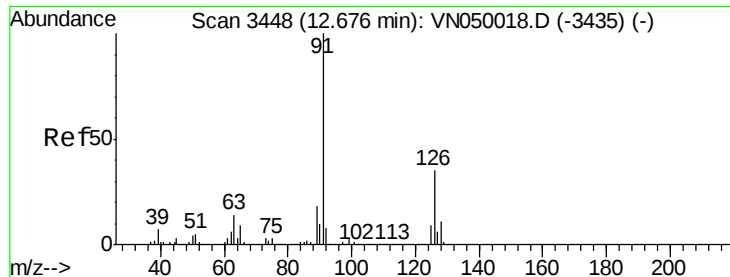
Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Tgt Ion:	91	Resp:	763810
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.75 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampled :

VN0724MBS01

Tot Ion: 91 Resp: 463876

Ion Ratio Lower Upper

91 100

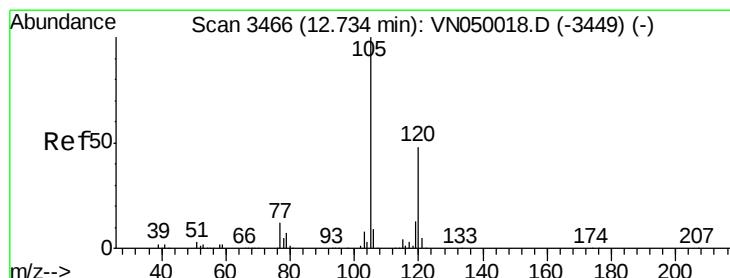
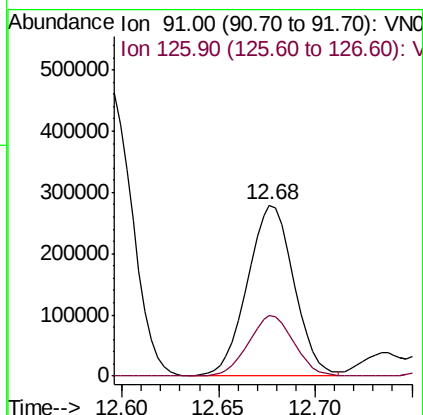
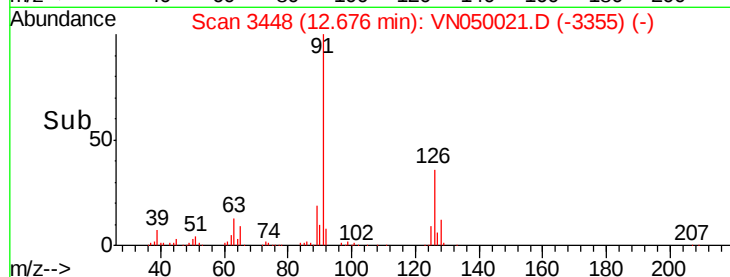
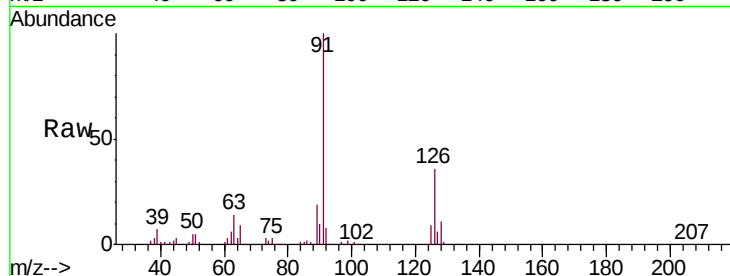
126 34.9 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.69 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050021.D

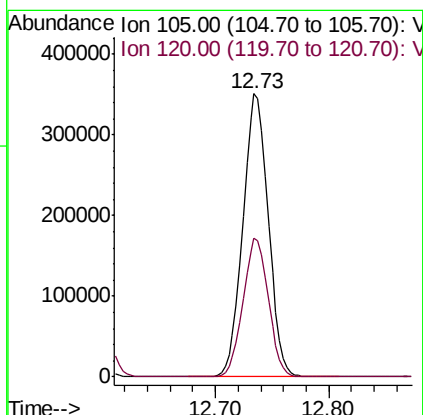
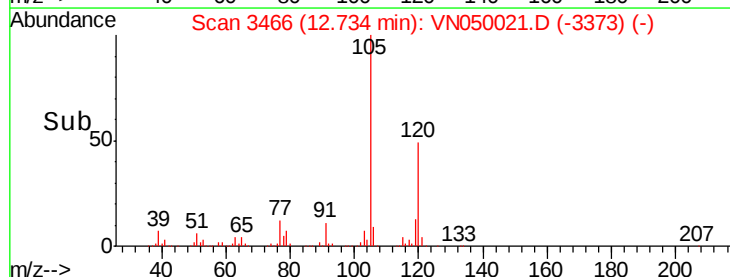
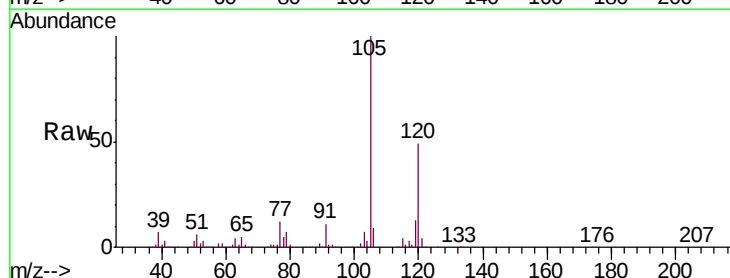
Acq: 24 Jul 2018 15:28

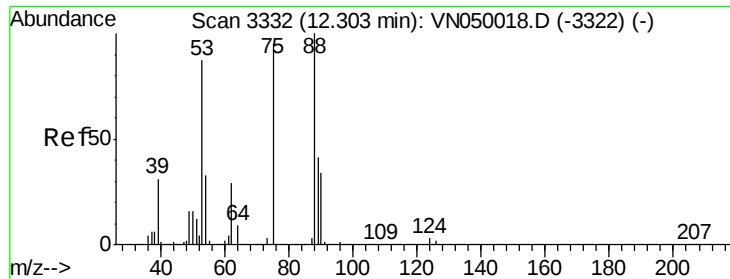
Tgt Ion: 105 Resp: 550482

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.70 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

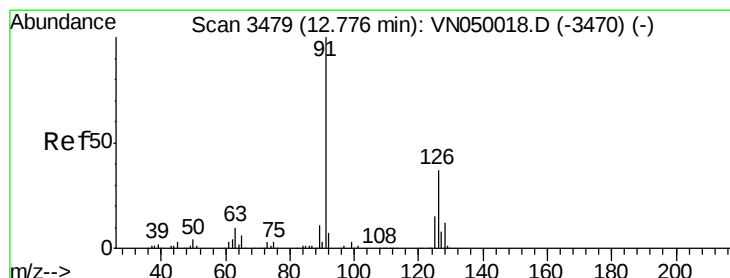
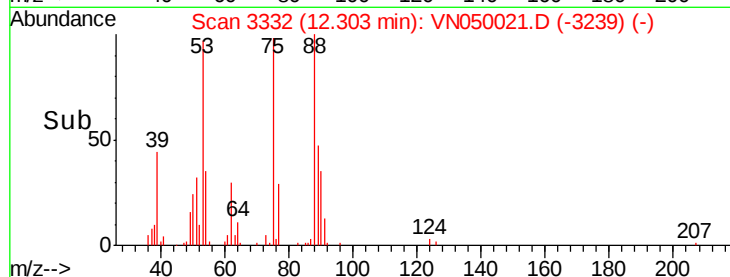
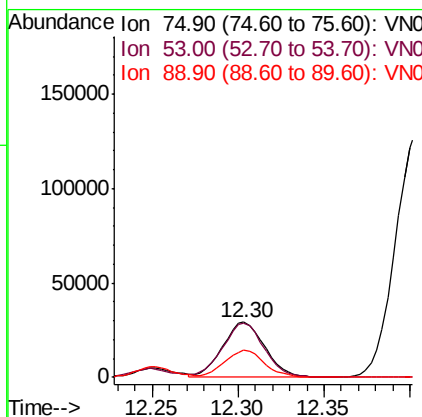
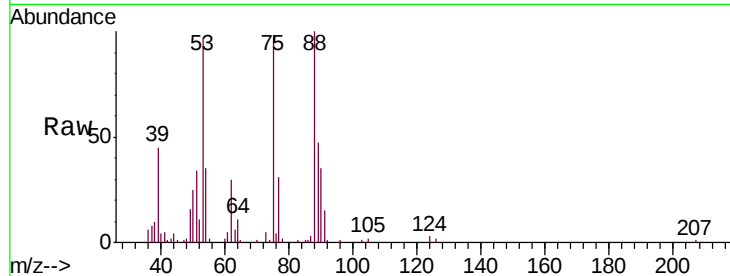
ClientSampleId :

VN0724MBS01

Tot Ion:	75	Resp:	50474
Ion	Ratio	Lower	Upper
75	100		
53	96.1	73.5	110.3
89	46.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.94 ug/l

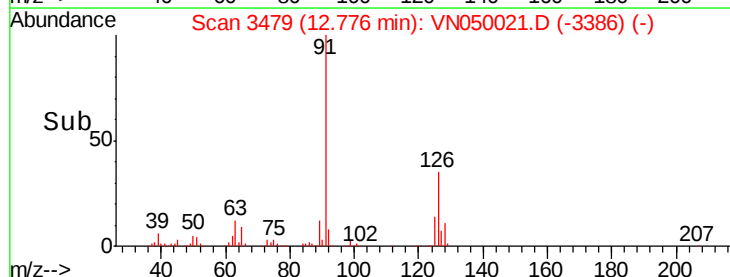
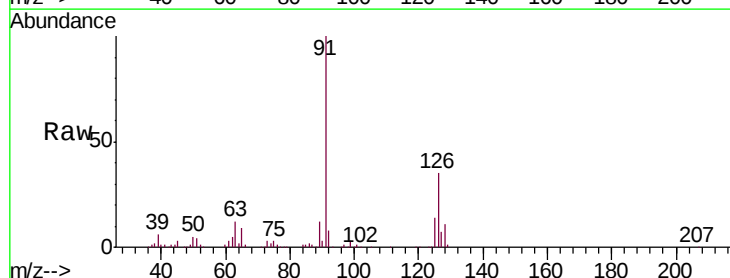
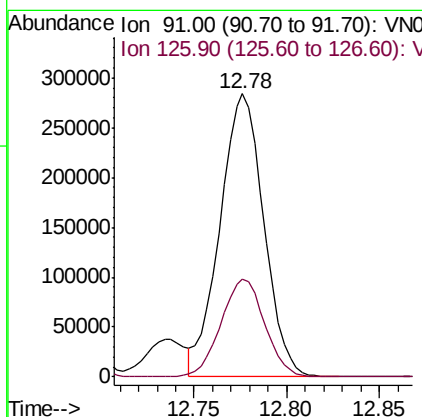
RT: 12.78 min Scan# 3479

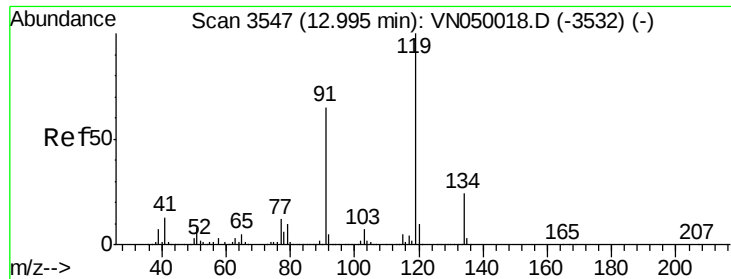
Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Tgt Ion:	91	Resp:	463593
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	51.0





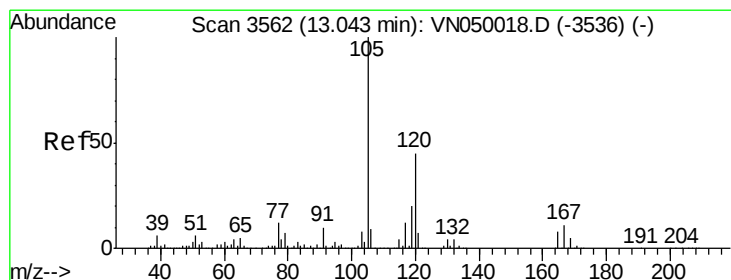
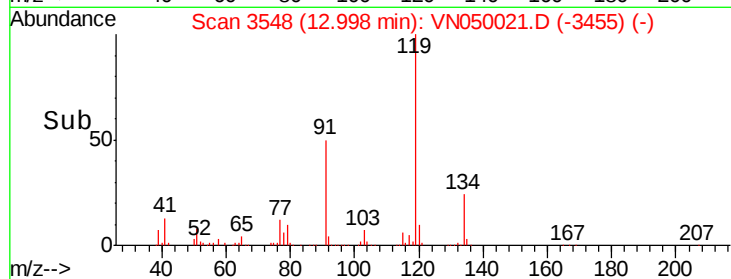
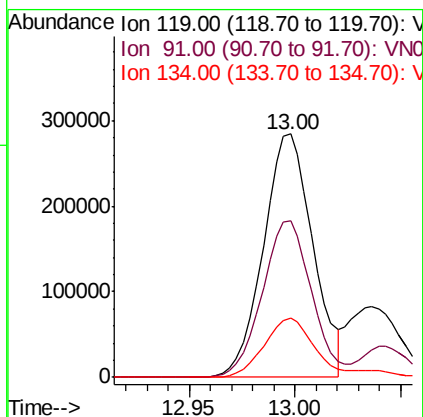
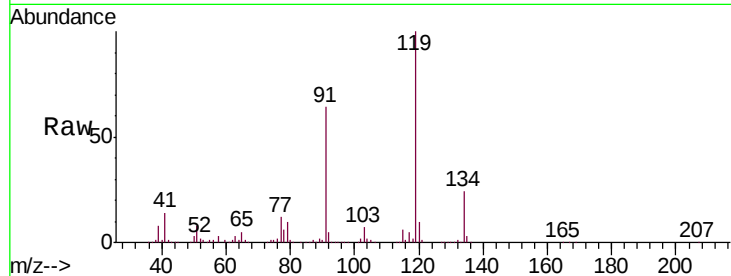
#83
tert-Butylbenzene
Concen: 20.97 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	26.8	13.2	39.5

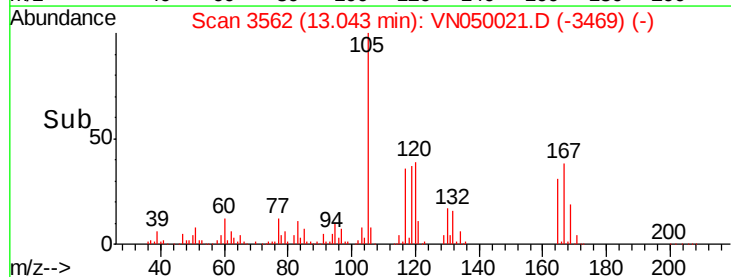
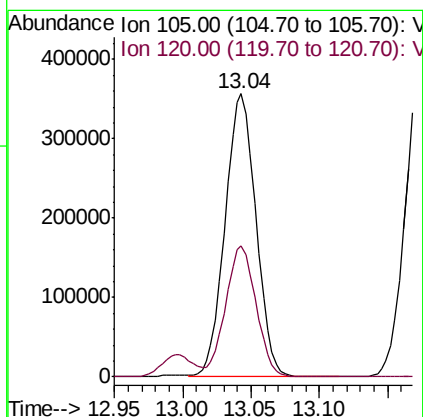
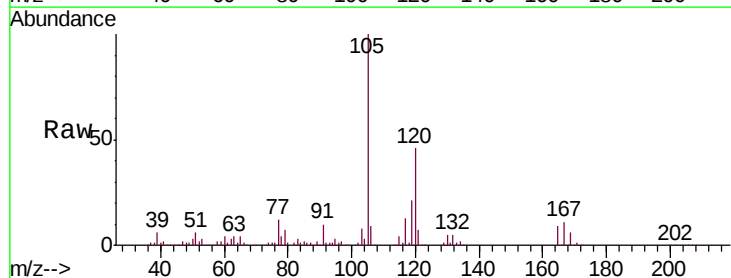
Manual Integrations
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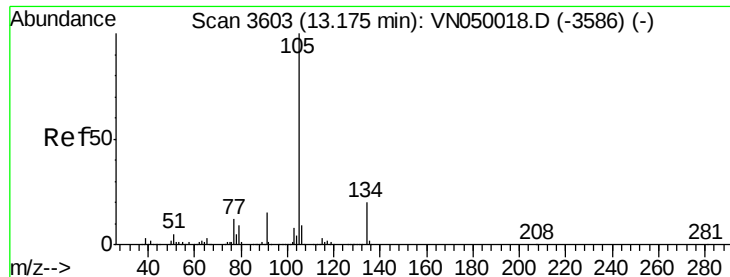
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#84
1,2,4-Trimethylbenzene
Concen: 21.91 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.08 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBS01

Tot Ion:105 Resp: 623949

Ion Ratio Lower Upper

105 100

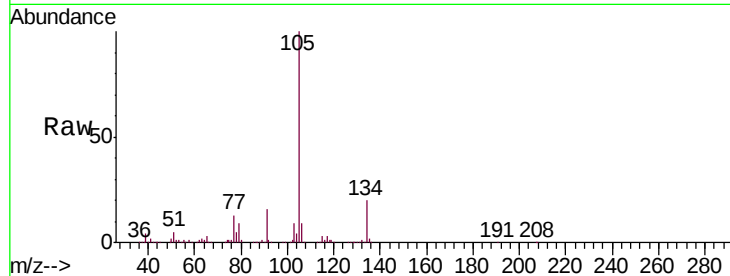
134 20.4 10.1 30.1

Manual Integrations

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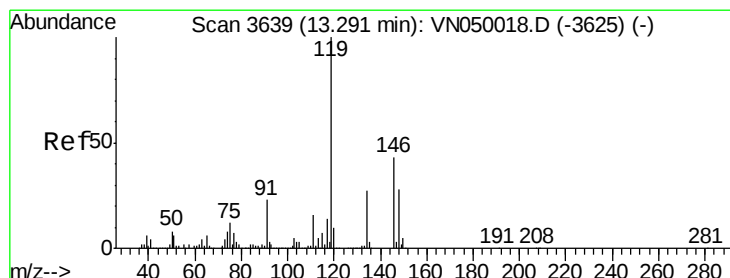
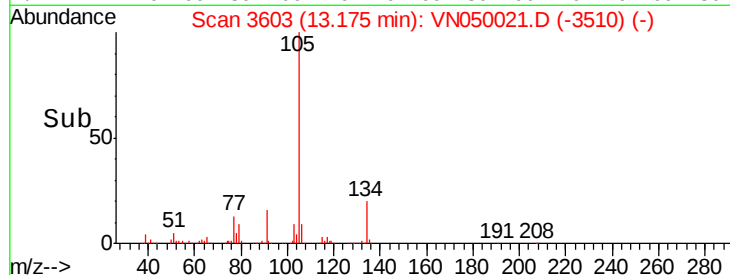
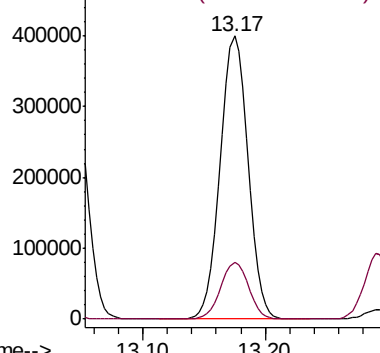
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.50 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050021.D

Acq: 24 Jul 2018 15:28

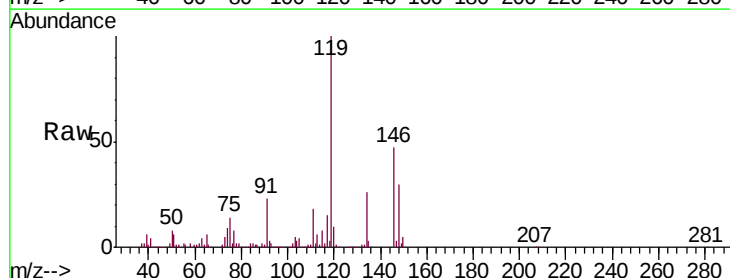
Tgt Ion:119 Resp: 536295

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

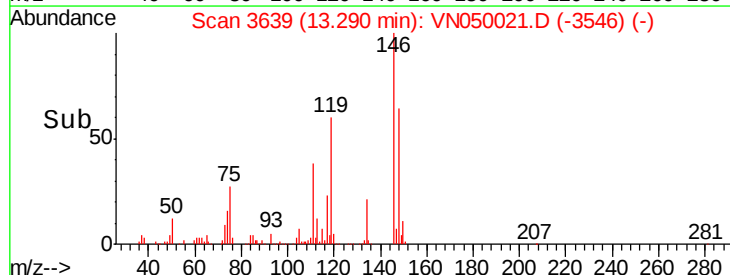
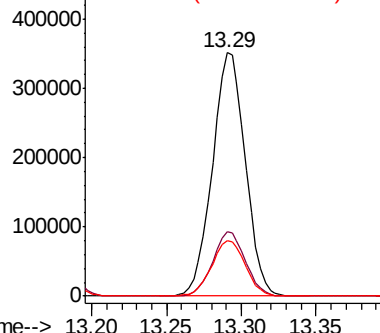
91 23.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





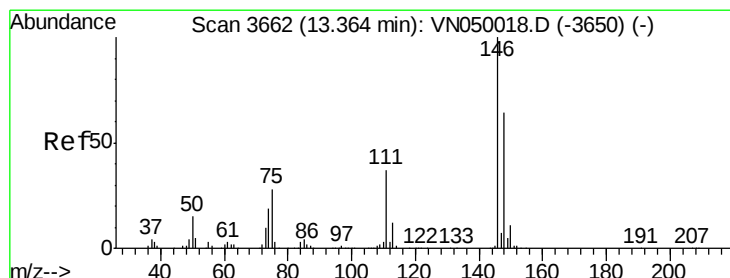
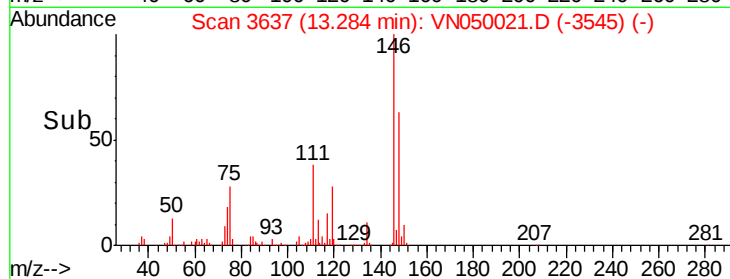
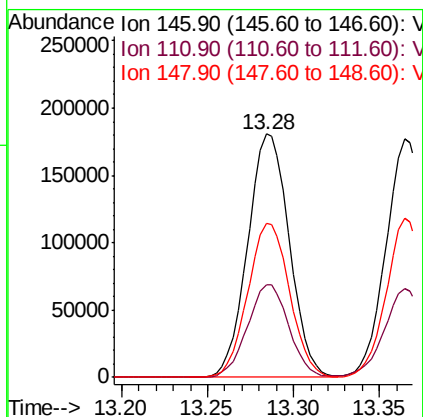
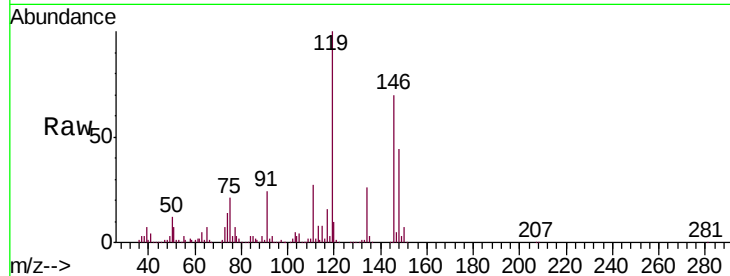
#87
 1,3-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	63.7	31.9	95.9

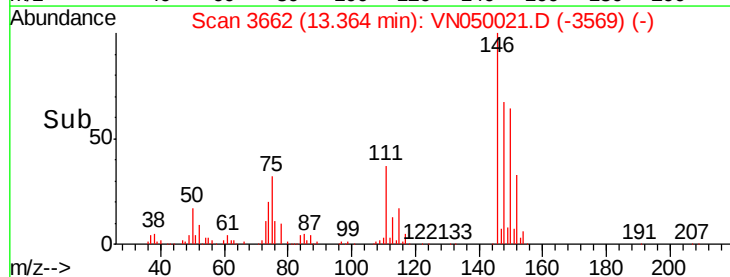
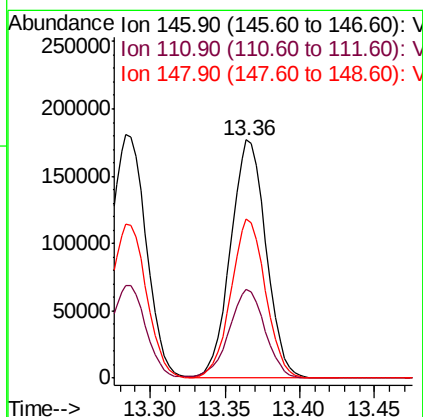
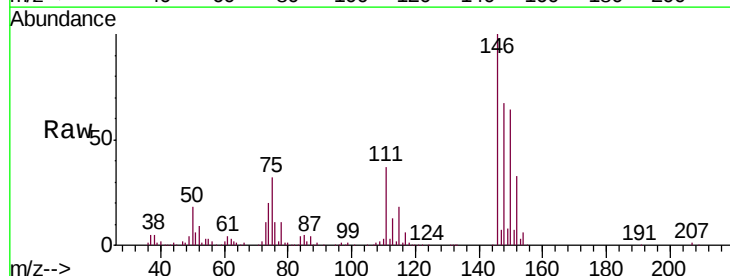
Manual Integrations
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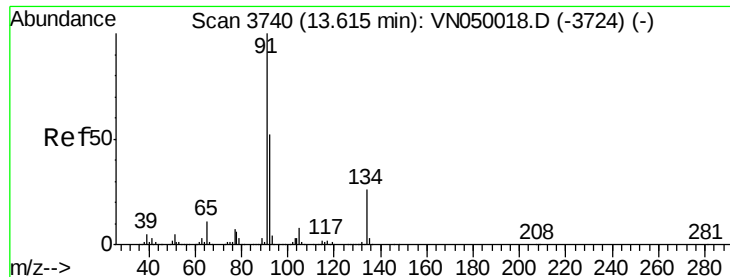
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 7/26/2018 1:51:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.3	54.9
148	65.1	31.9	95.9





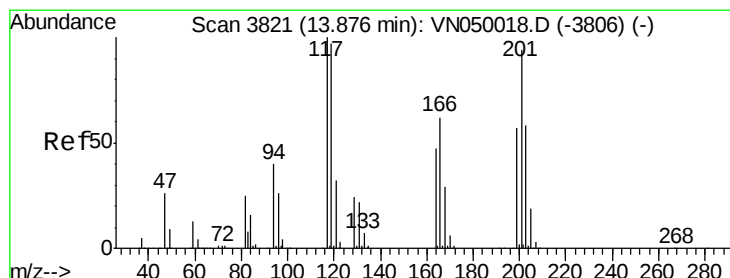
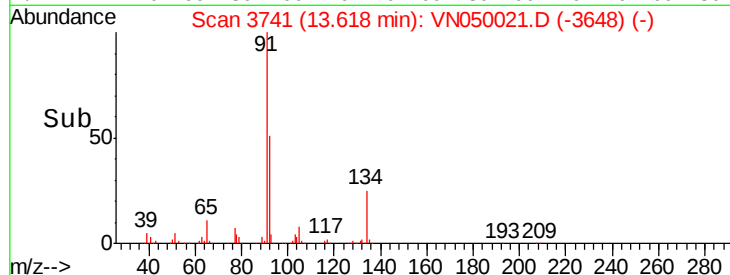
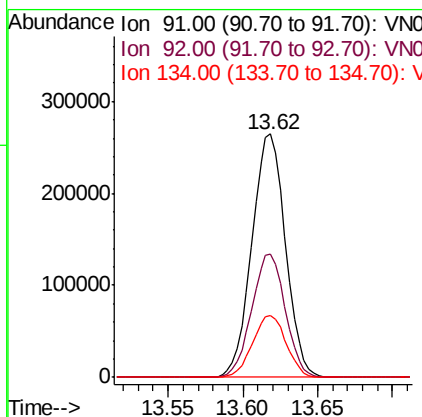
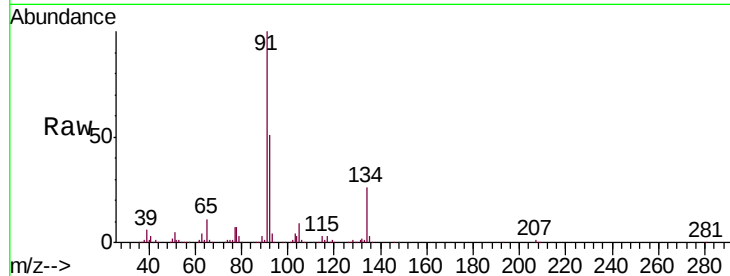
#89
n-Butylbenzene
Concen: 20.14 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.4
134	25.6	12.8	38.4

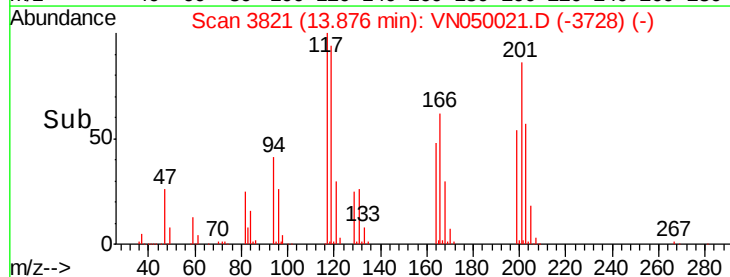
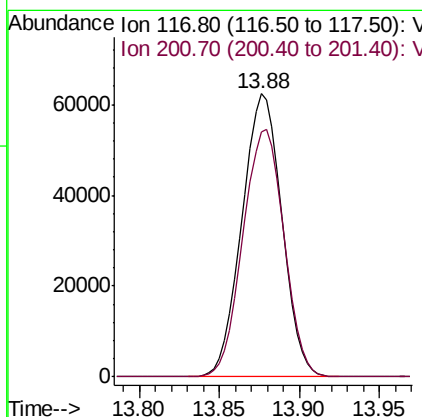
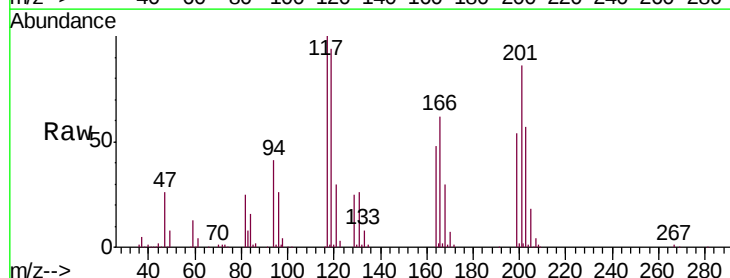
Manual Integrations
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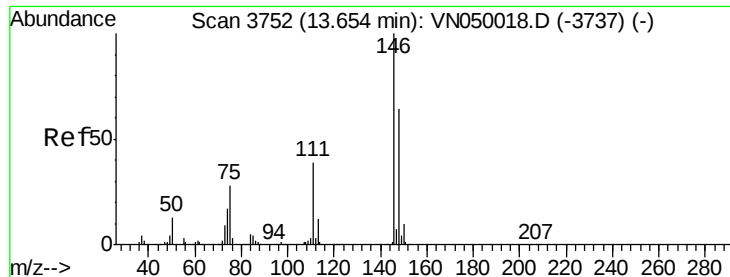
MMDadoda
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#90
Hexachloroethane
Concen: 19.22 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	45.6	136.8





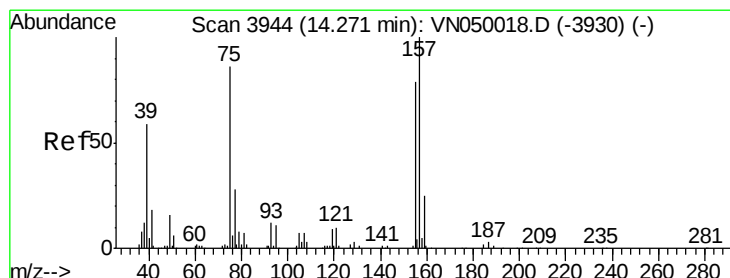
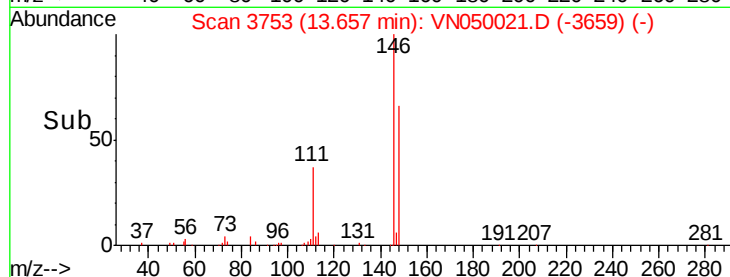
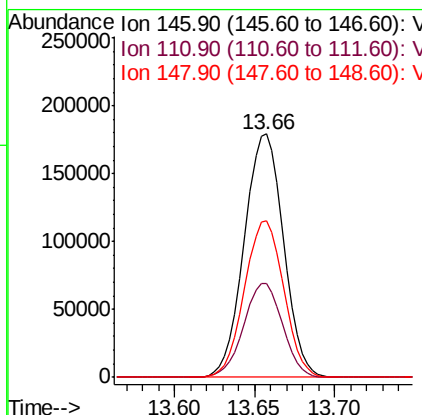
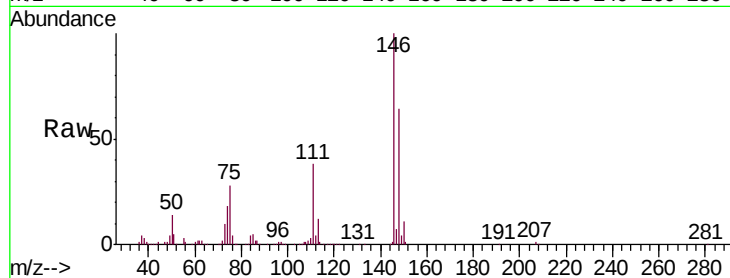
#91
 1,2-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.7
148	64.4	32.1	96.3

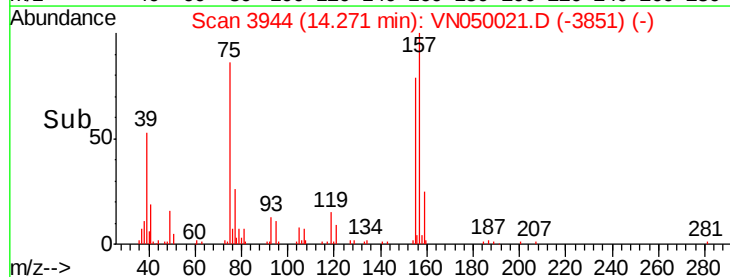
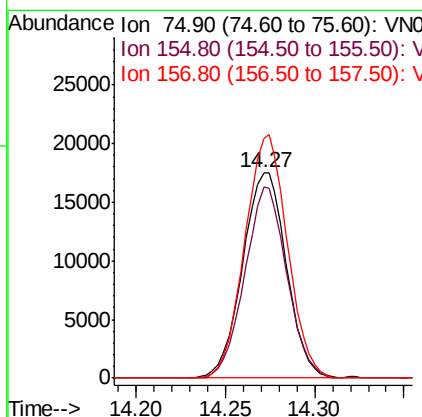
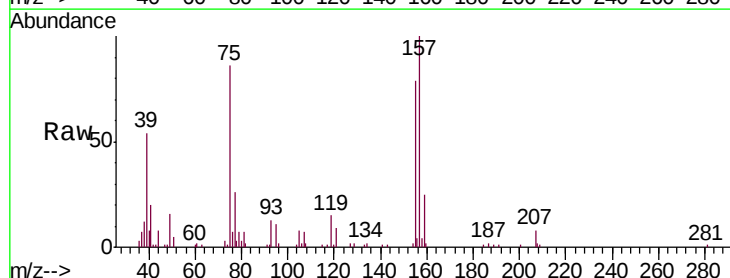
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.51 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	44.8	134.4
157	115.1	57.2	171.6





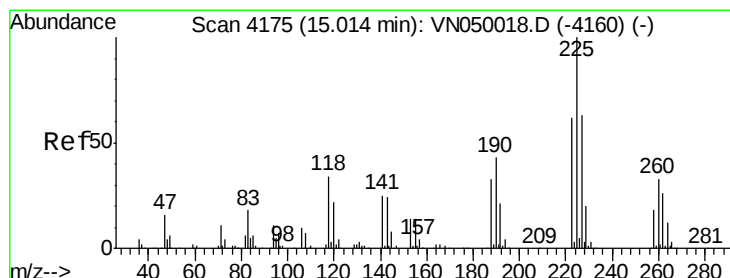
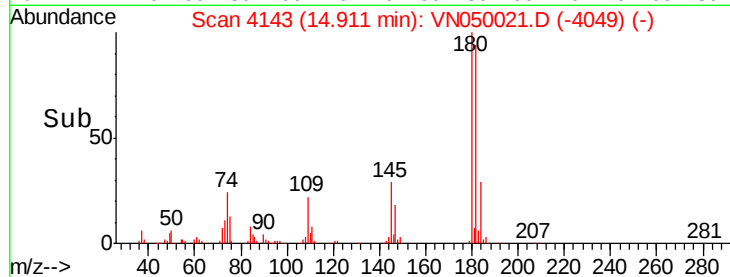
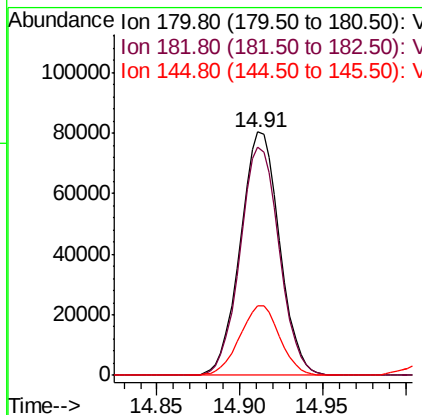
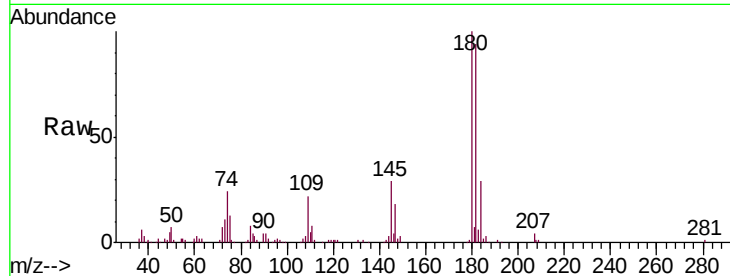
#93
 1,2,4-Trichlorobenzene
 Concen: 18.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.7	140.1
145	29.4	13.8	41.4

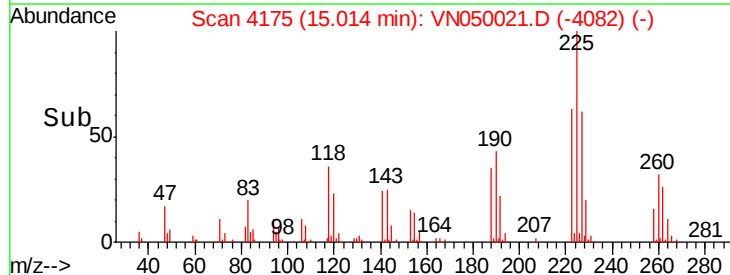
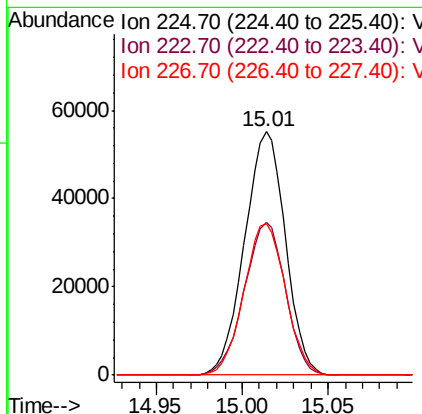
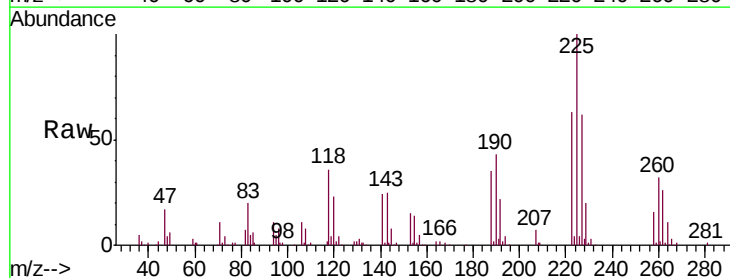
Manual Integrations
 APPROVED

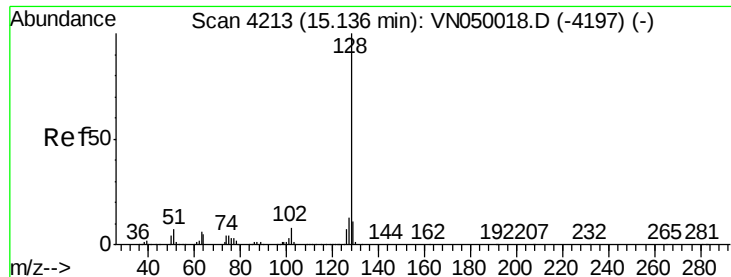
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.58 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050021.D
 Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.2
227	63.3	32.1	96.5





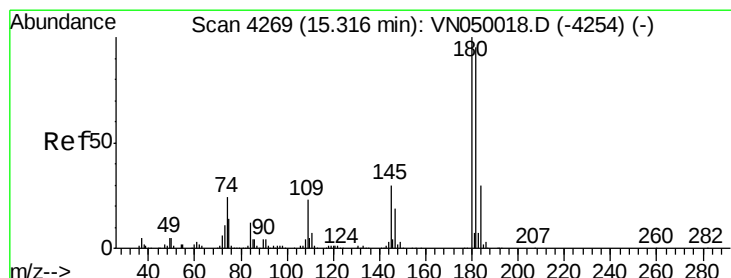
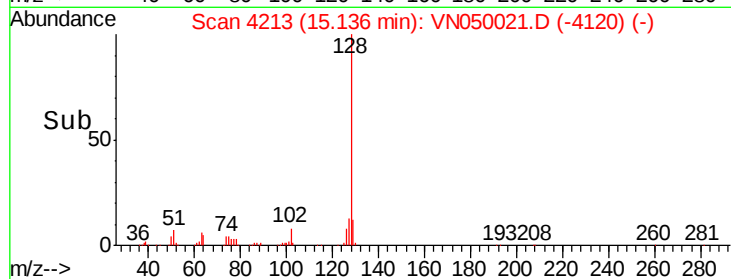
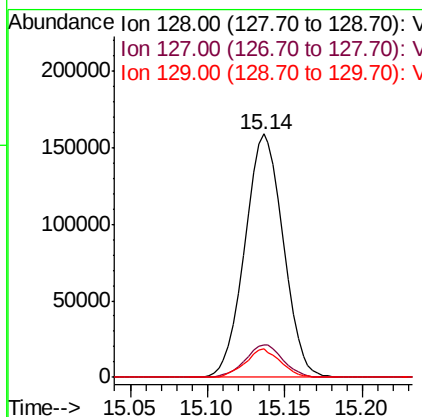
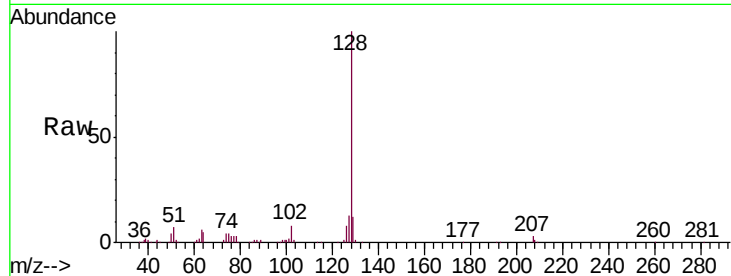
#95
Naphthalene
Concen: 17.60 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.03 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050021.D
Acq: 24 Jul 2018 15:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.4
145	30.5	15.3	45.9

