

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\
 Data File : VN061274.D
 Acq On : 4 May 2020 13:44
 Operator : JC/MD
 Sample : L2464-07 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 03:42:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	105941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	191784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	192343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	86256	51.46	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.55	113	54145	47.74	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.06	98	237453	51.36	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.38	95	90419	51.97	ug/l	0.00
Spiked Amount						

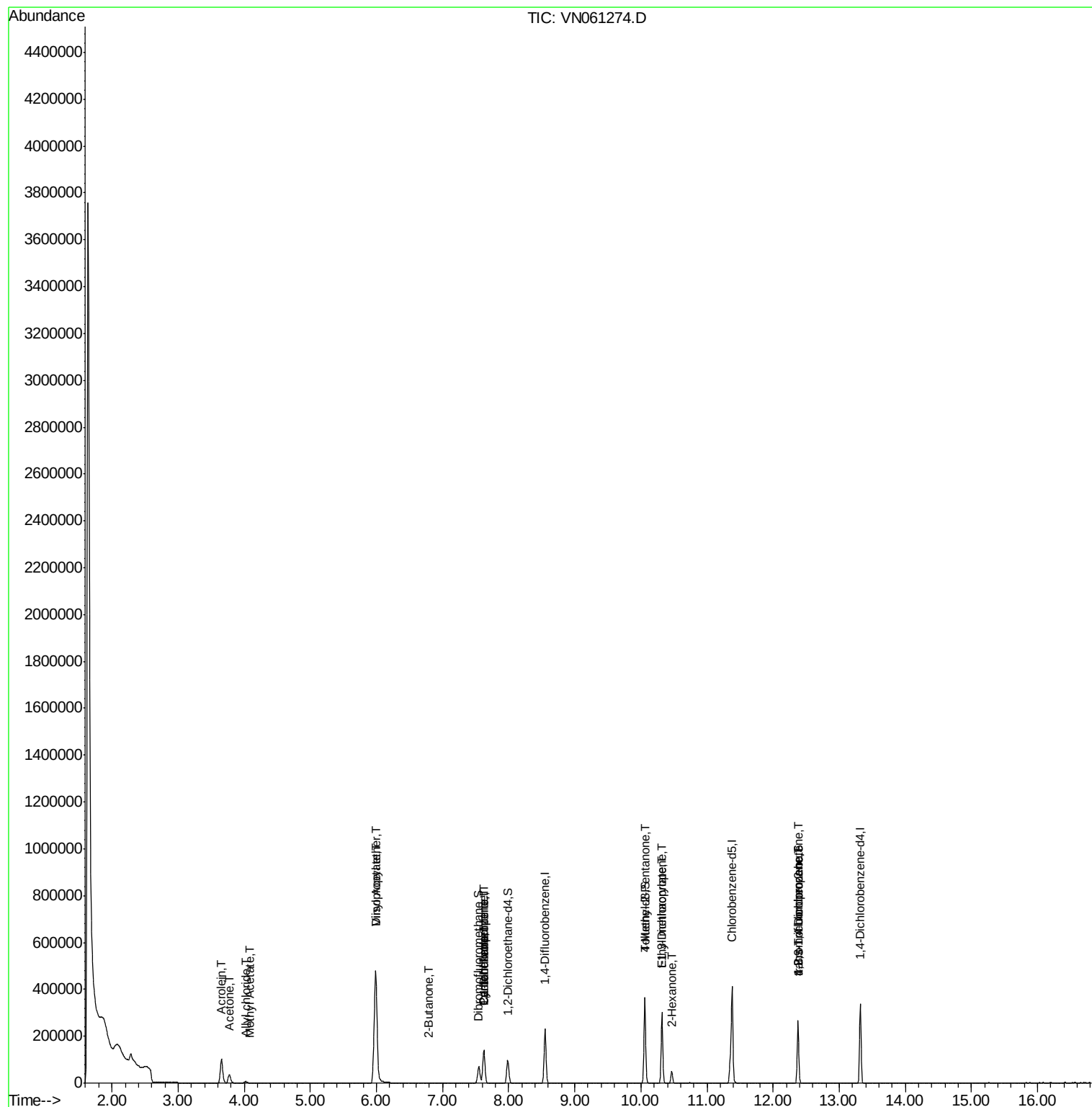
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.65	56	1604	10.719	ug/l #	1
14) Allyl chloride	4.02	41	1094	0.528	ug/l #	65
16) Acetone	3.77	43	62639	93.153	ug/l	98
18) Methyl Acetate	4.08	43	142	0.745	ug/l #	55
22) Diisopropyl ether	5.99	45	39981	8.319	ug/l #	1
23) Vinyl Acetate	5.99	43	97925	25.305	ug/l #	75
25) 2-Butanone	6.79	43	300	0.302	ug/l #	53
31) Cyclohexane	7.63	56	2775	1.138	ug/l #	2
36) 1,1-Dichloropropene	7.62	75	9760	5.084	ug/l #	50
38) Carbon Tetrachloride	7.63	117	11321	8.454	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1365	0.621	ug/l #	1
53) t-1,3-Dichloropropene	10.32	75	537	0.235	ug/l #	43
56) Ethyl methacrylate	10.32	69	226	2.816	ug/l #	1
59) 2-Hexanone	10.47	43	4701	2.939	ug/l	98
76) 1,2,3-Trichloropropane	12.38	75	49714	28.638	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49714	72.725	ug/l #	8

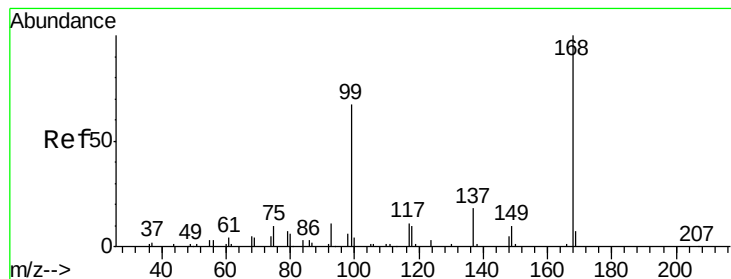
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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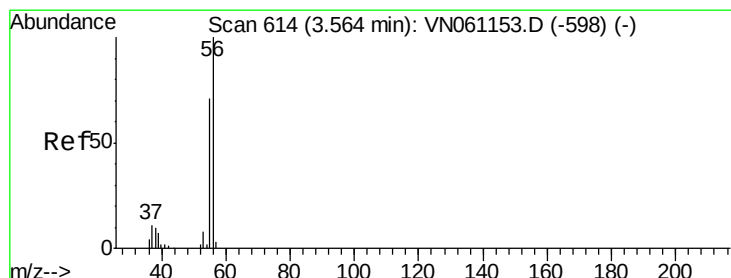
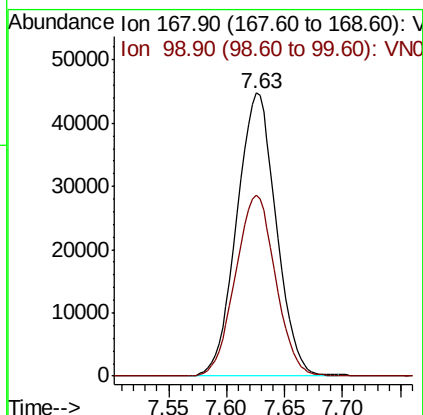
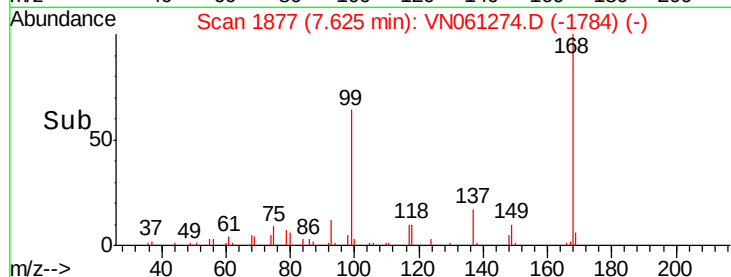
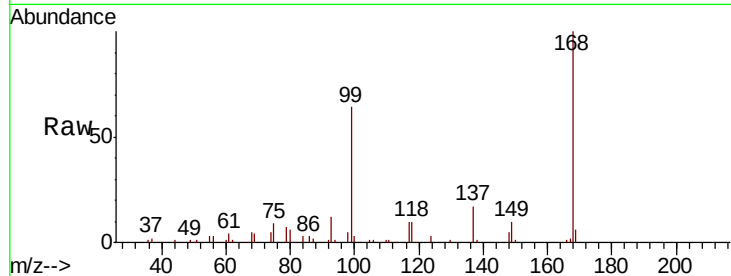




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

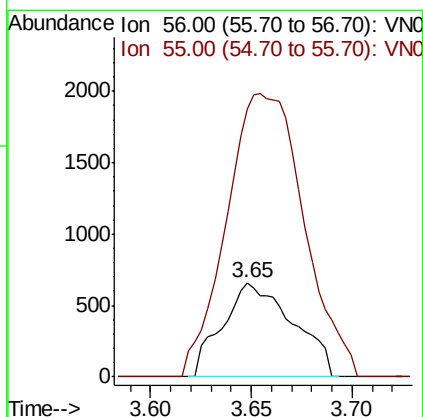
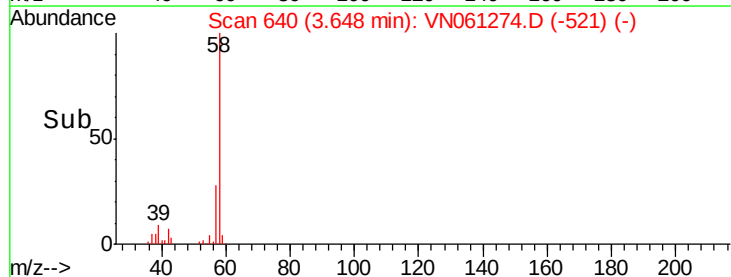
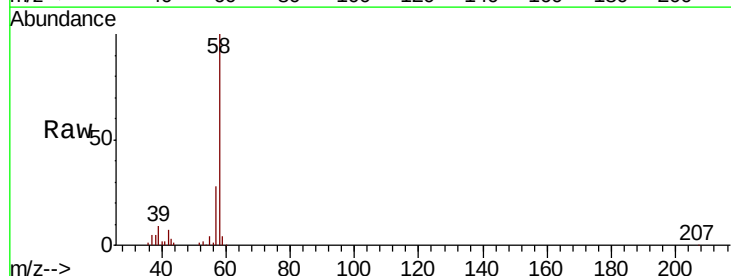
Instrument :
MSVOA_N
ClientSampled :

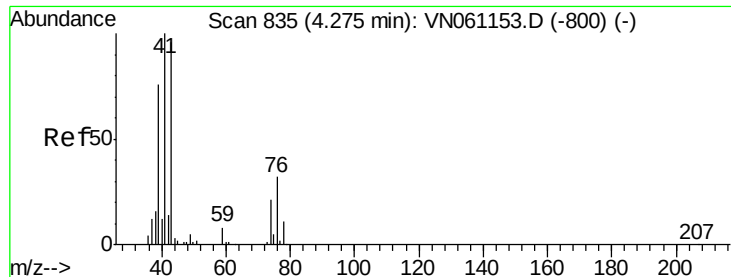
Tot Ion:168 Resp: 105941
Ion Ratio Lower Upper
168 100
99 63.9 51.2 76.8



#13
Acrolein
Concen: 10.719 ug/l
RT: 3.65 min Scan# 640
Delta R.T. 0.08 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

Tgt Ion: 56 Resp: 1604
Ion Ratio Lower Upper
56 100
55 330.4 58.5 87.7#





#14

Allvl chloride

Concen: 0.528 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.25 min

Lab File: VN061274.D

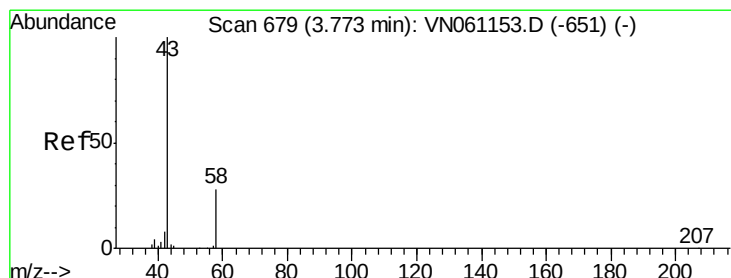
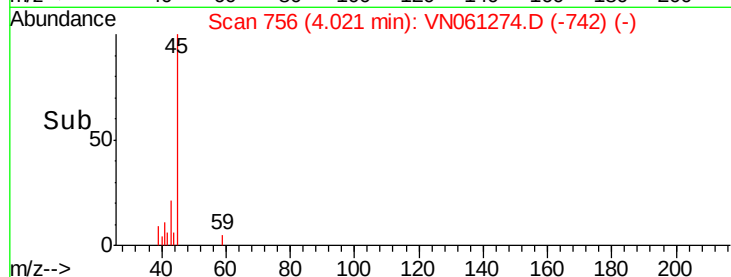
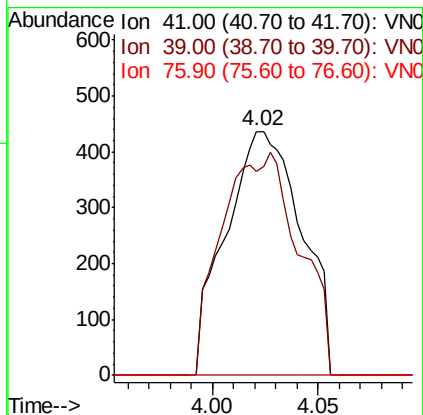
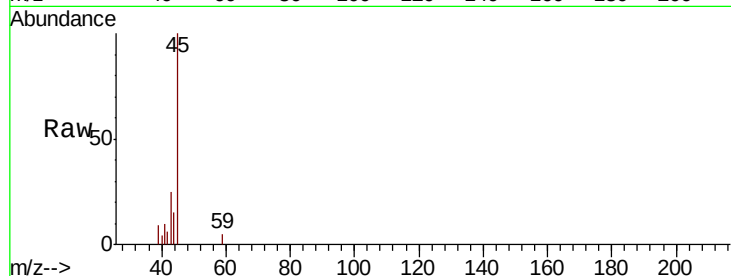
Acq: 4 May 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	41	Resp:	1094
Ion	Ratio	Lower	Upper
41	100		
39	93.3	57.1	85.7#
76	0.0	24.3	36.5#



#16

Acetone

Concen: 93.153 ug/l

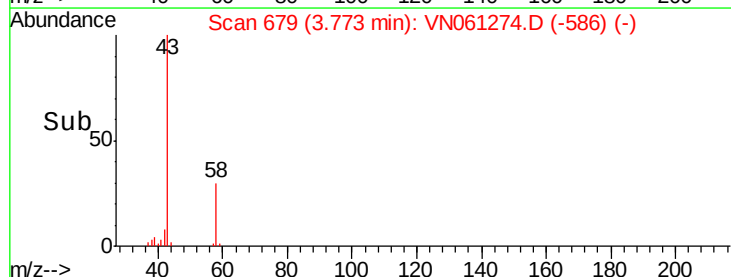
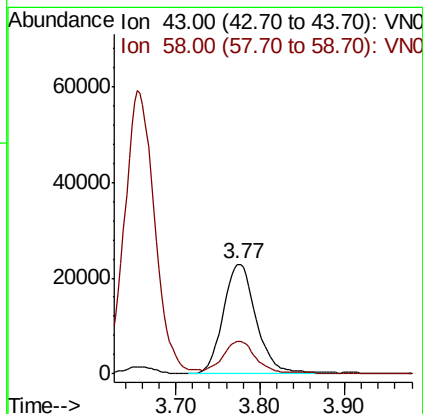
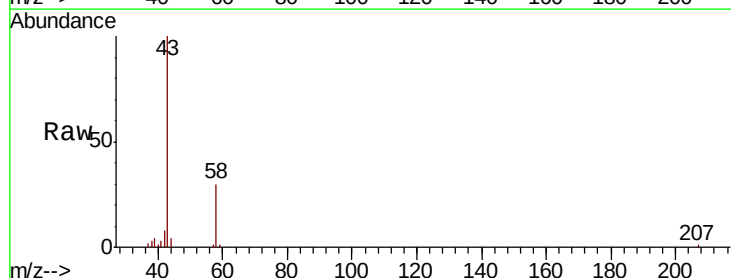
RT: 3.77 min Scan# 679

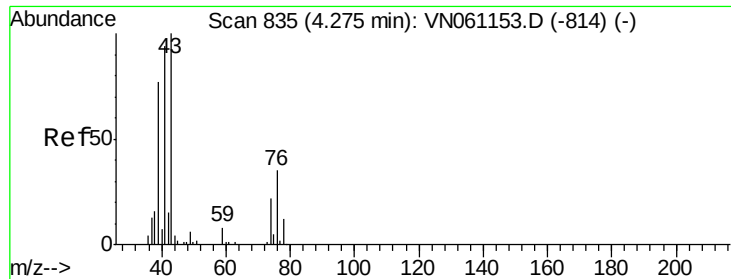
Delta R.T. 0.00 min

Lab File: VN061274.D

Acq: 4 May 2020 13:44

Tgt Ion:	43	Resp:	62639
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.2	33.2

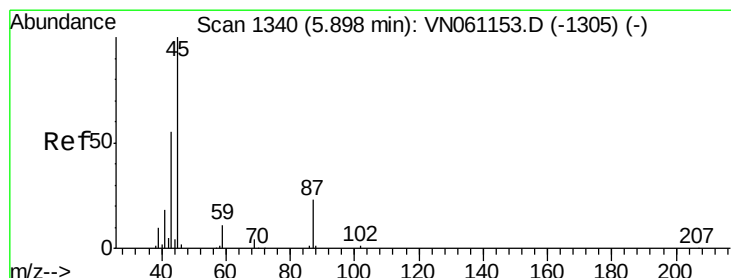
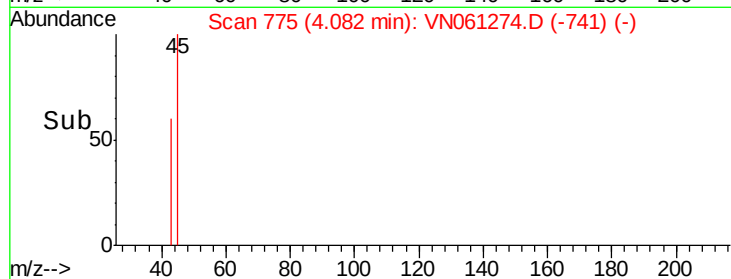
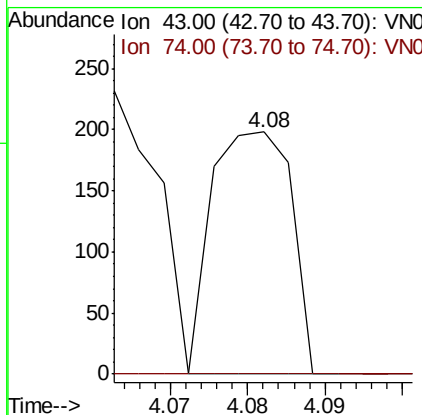
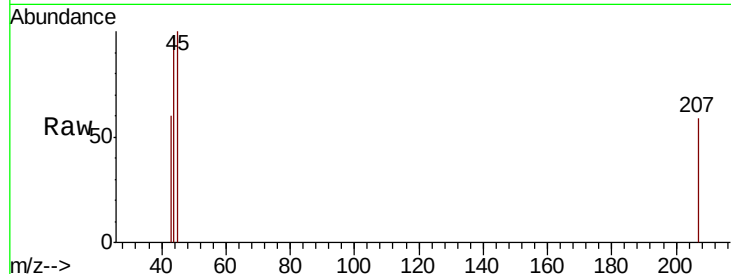




#18
Methyl Acetate
Concen: 0.745 ug/l
RT: 4.08 min Scan# 775
Delta R.T. -0.19 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

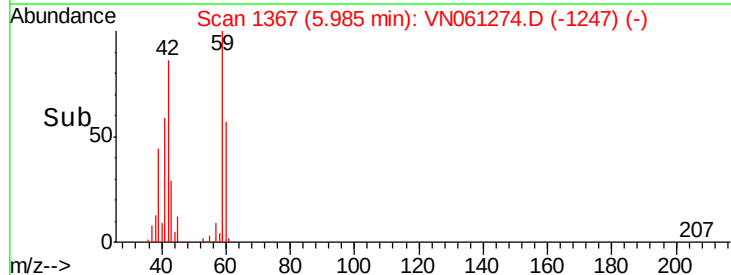
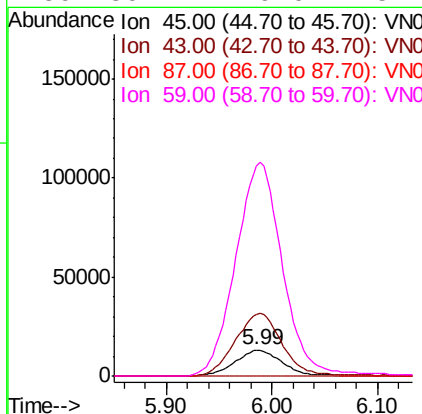
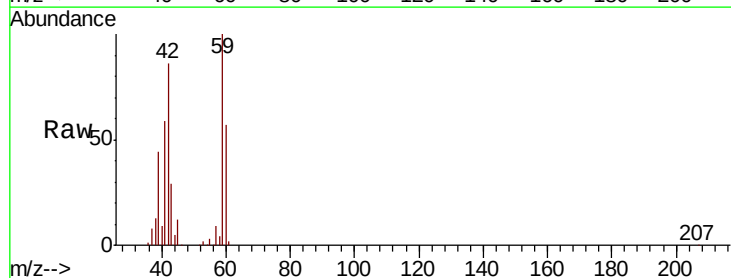
Instrument :
MSVOA_N
ClientSampled :

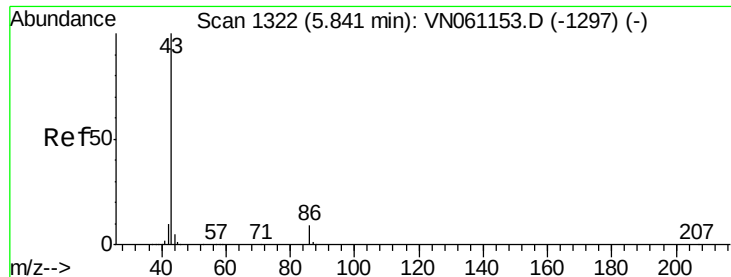
Tot Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#22
Diisopropyl ether
Concen: 8.319 ug/l
RT: 5.99 min Scan# 1367
Delta R.T. 0.09 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

Tgt Ion: 45 Resp: 39981
Ion Ratio Lower Upper
45 100
43 236.2 47.9 71.9#
87 0.0 19.2 28.8#
59 801.7 9.0 13.4#





#23

Vinyl Acetate

Concen: 25.305 ug/l

RT: 5.99 min Scan# 1368

Delta R.T. 0.15 min

Lab File: VN061274.D

Acq: 4 May 2020 13:44

Instrument :

MSVOA_N

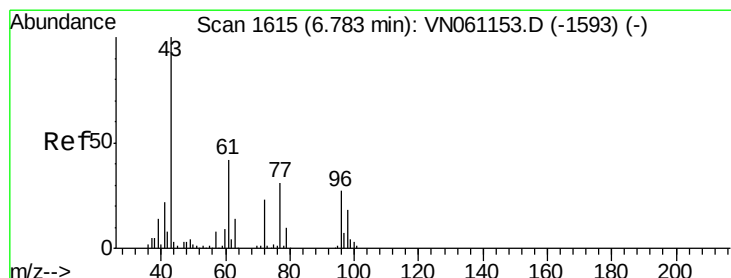
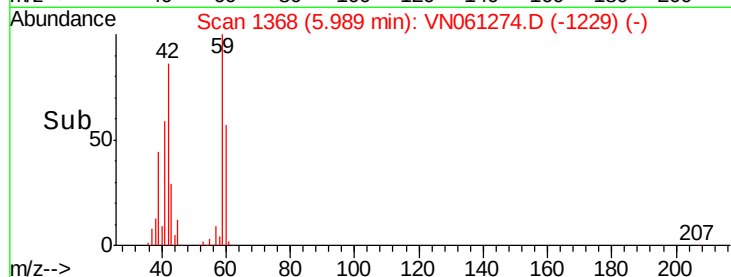
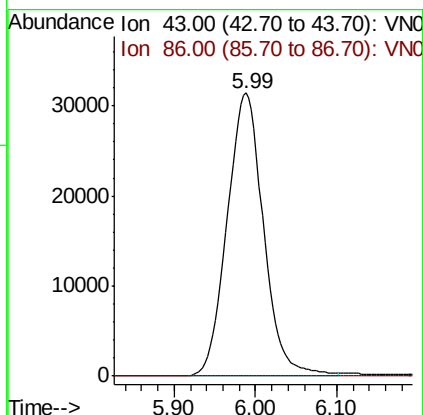
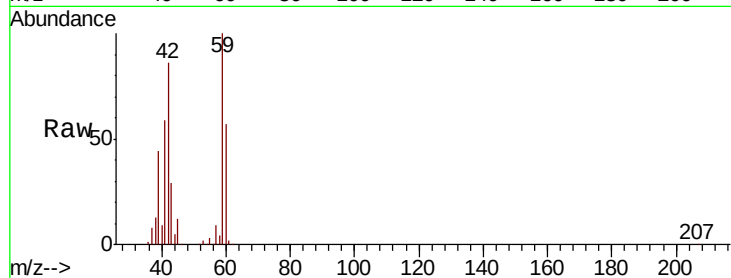
ClientSampled :

Tot Ion: 43 Resp: 97925

Ion Ratio Lower Upper

43 100

86 0.0 7.2 10.8#



#25

2-Butanone

Concen: 0.302 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061274.D

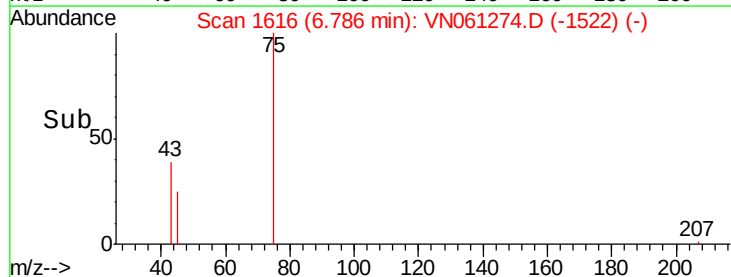
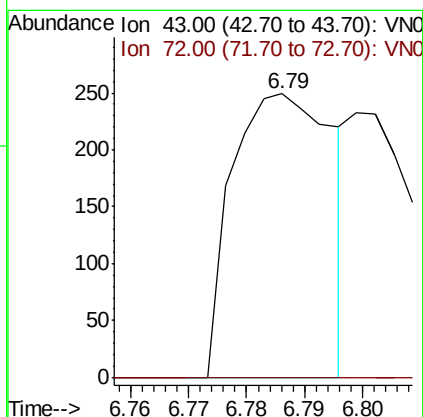
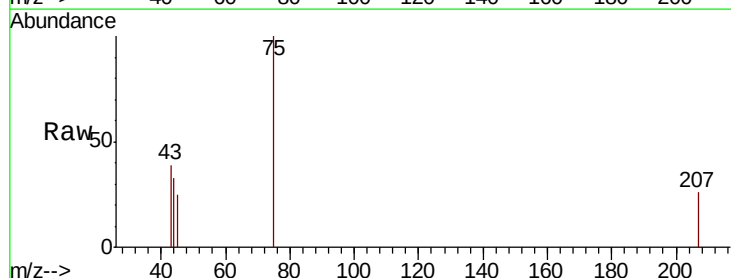
Acq: 4 May 2020 13:44

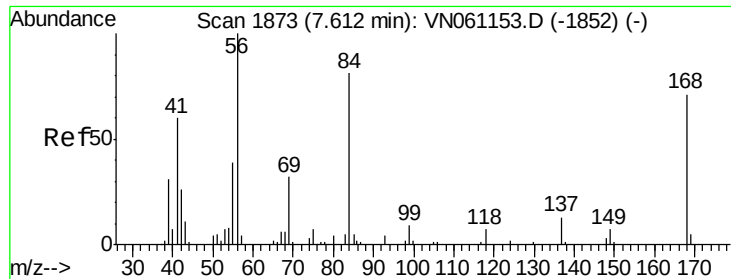
Tgt Ion: 43 Resp: 300

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#

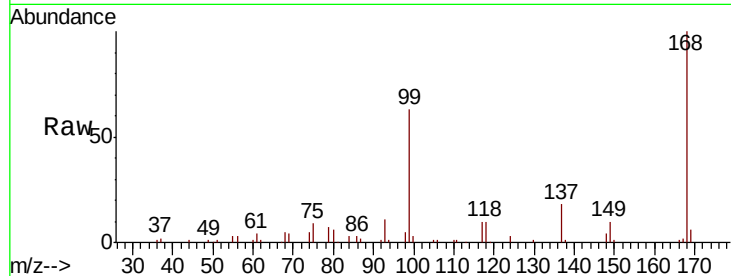




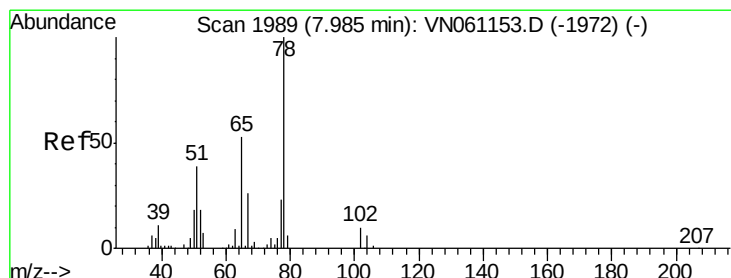
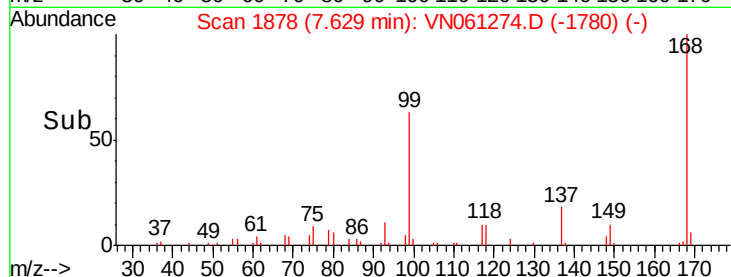
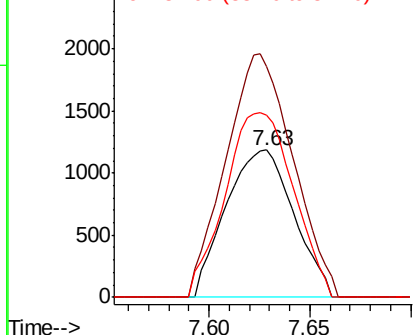
#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2775
Ion Ratio Lower Upper
56 100
69 156.2 25.7 38.5#
84 123.9 64.6 97.0#

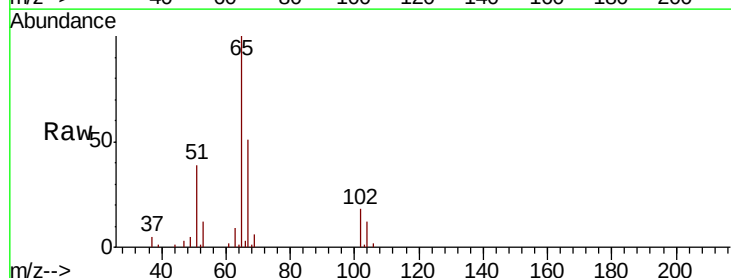


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

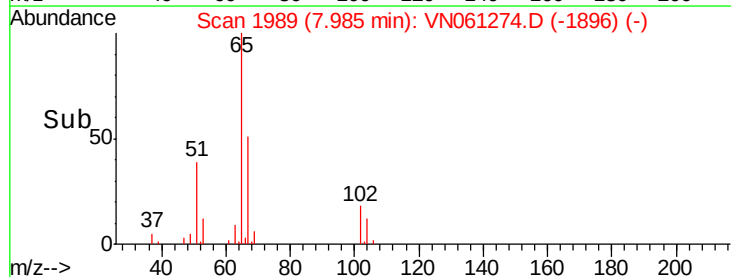
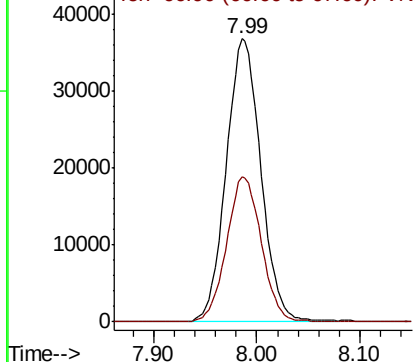


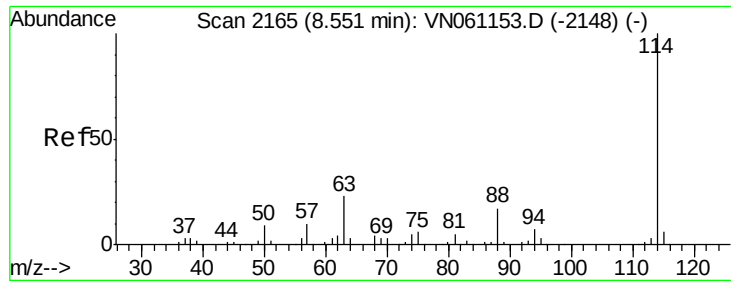
#33
1,2-Dichloroethane-d4
Concen: 51.456 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

Tgt Ion: 65 Resp: 86256
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

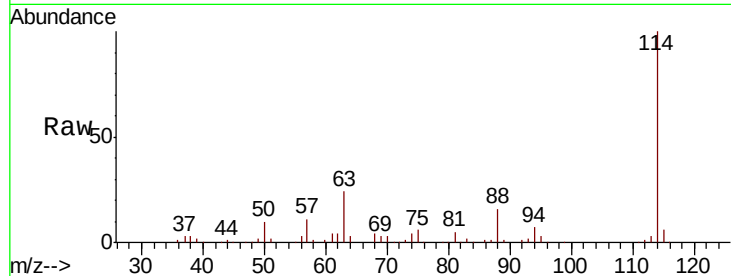




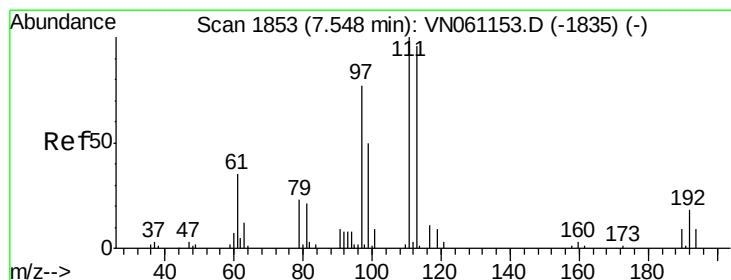
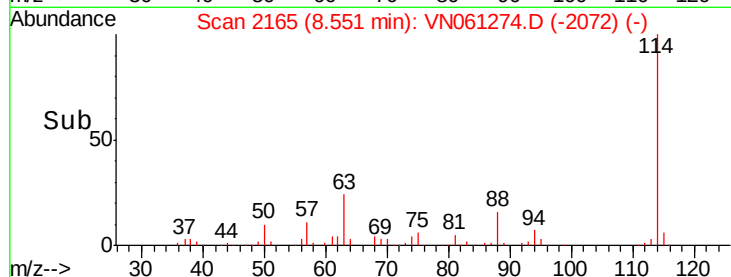
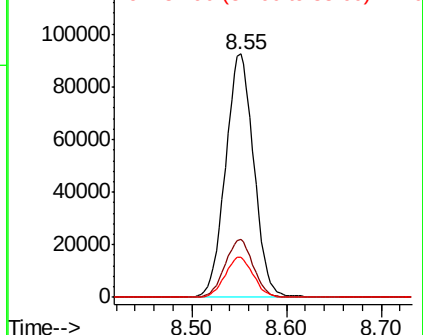
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061274.D
 Acq: 4 May 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 191784
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.6
 88 16.3 0.0 33.4

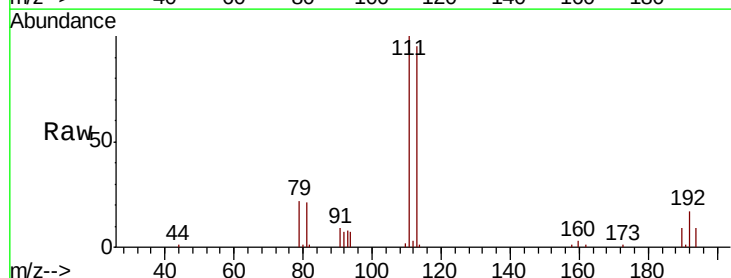


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

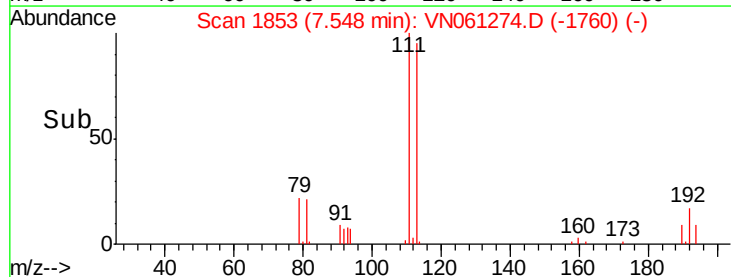
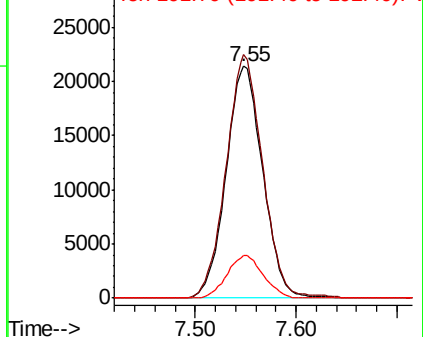


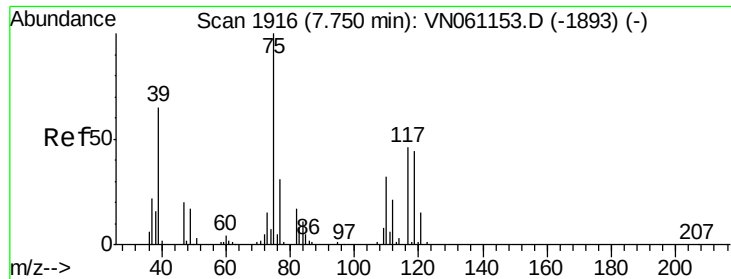
#35
 Dibromofluoromethane
 Concen: 47.744 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061274.D
 Acq: 4 May 2020 13:44

Tgt Ion:113 Resp: 54145
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.9 124.3
 192 18.0 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

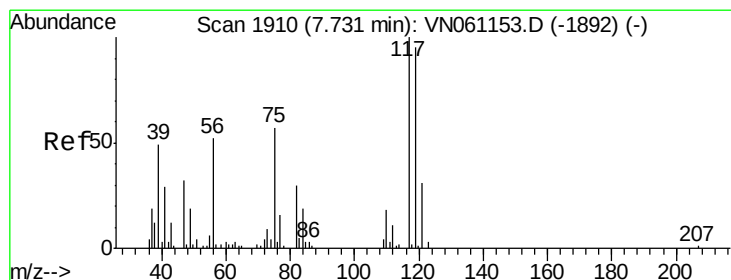
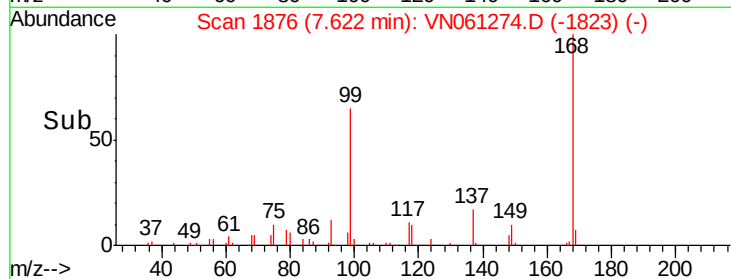
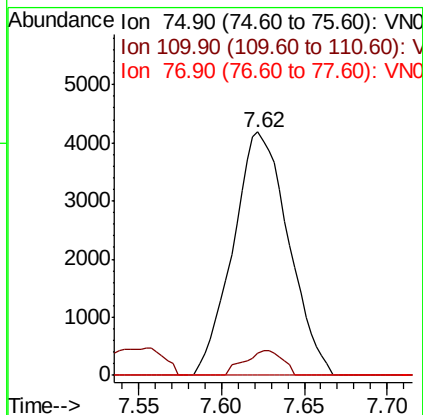
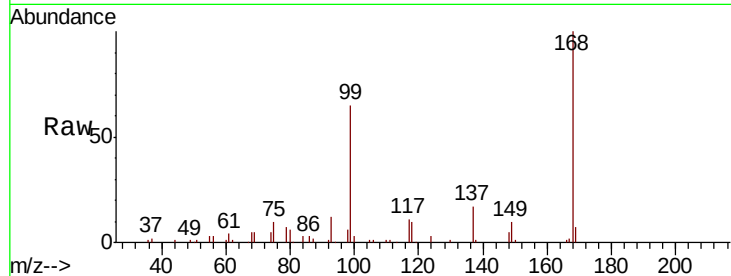




#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061274.D
 Acq: 4 May 2020 13:44

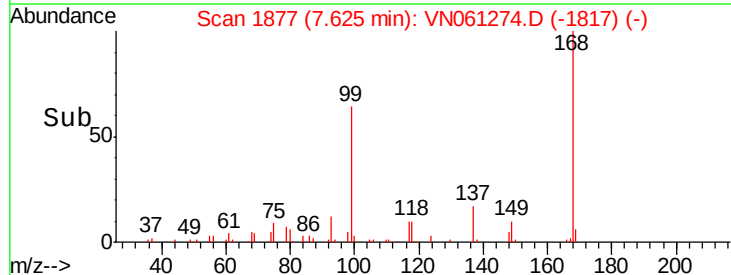
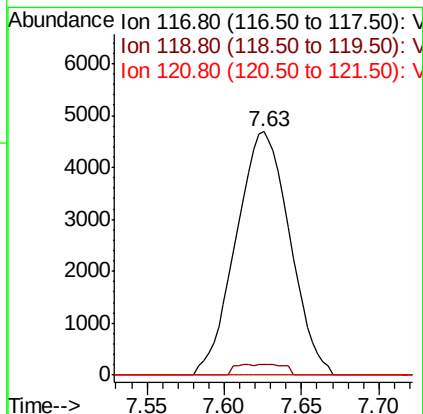
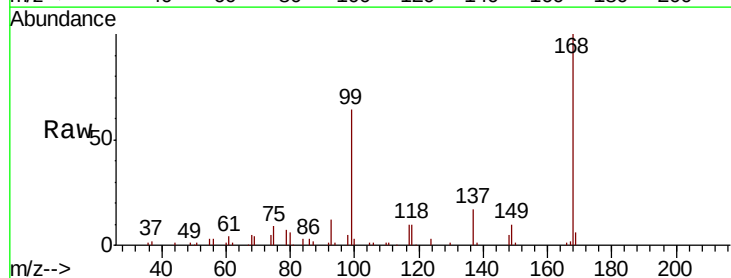
Instrument :
 MSVOA_N
 ClientSampled :

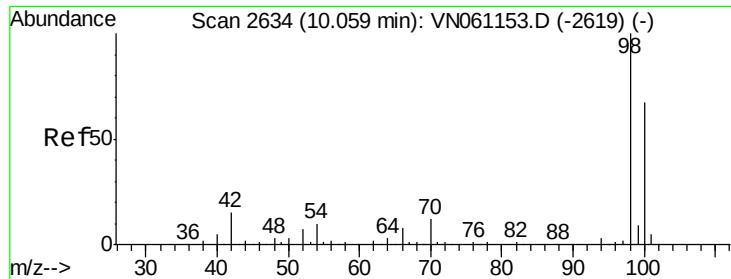
Tot Ion: 75 Resp: 9760
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.454 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061274.D
 Acq: 4 May 2020 13:44

Tgt Ion: 117 Resp: 11321
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.363 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061274.D

Acq: 4 May 2020 13:44

Instrument :

MSVOA_N

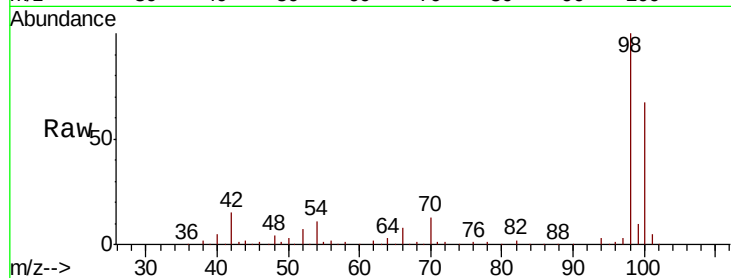
ClientSampled :

Tot Ion: 98 Resp: 237453

Ion Ratio Lower Upper

98 100

100 65.7 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

10.06

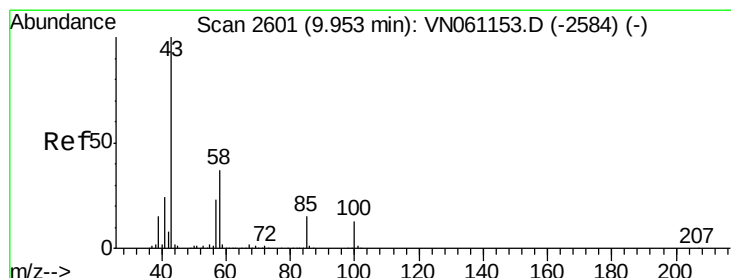
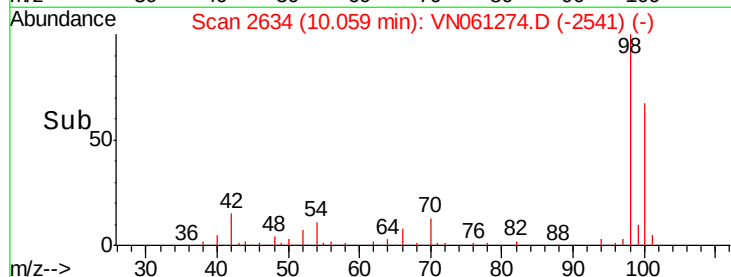
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.621 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.11 min

Lab File: VN061274.D

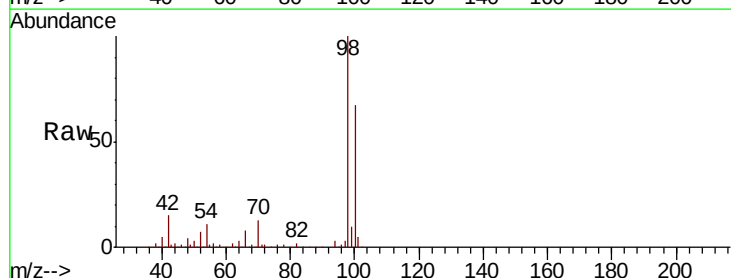
Acq: 4 May 2020 13:44

Tgt Ion: 43 Resp: 1365

Ion Ratio Lower Upper

43 100

58 175.5 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

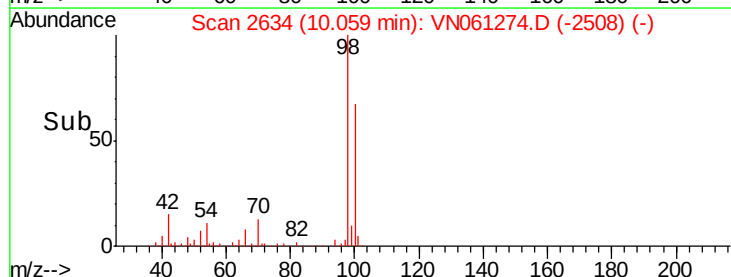
1500

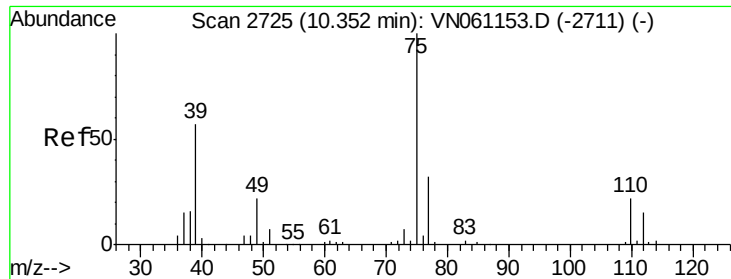
1000

500

0

Time-->

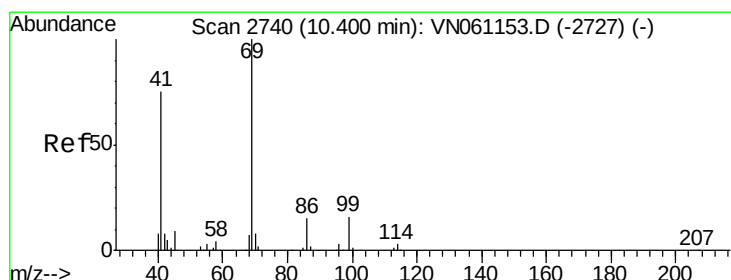
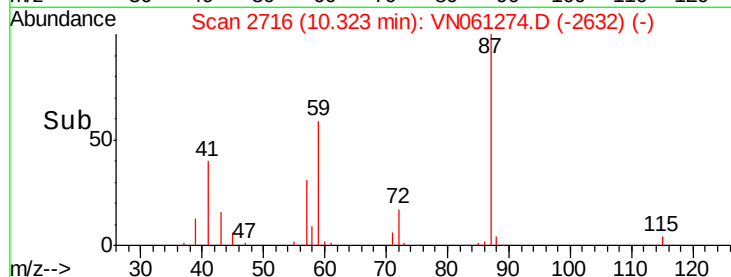
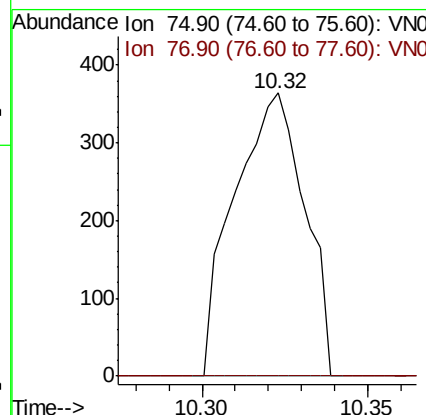
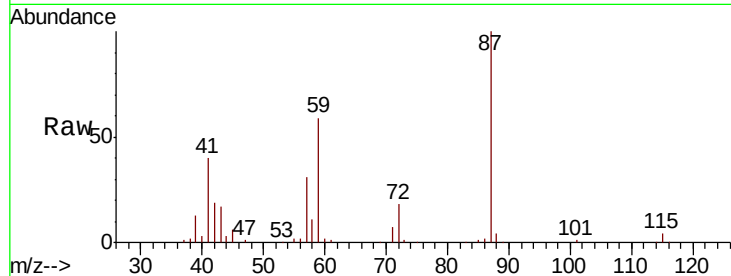




#53
t-1,3-Dichloropropene
Concen: 0.235 ug/l
RT: 10.32 min Scan# 2716
Delta R.T. -0.03 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

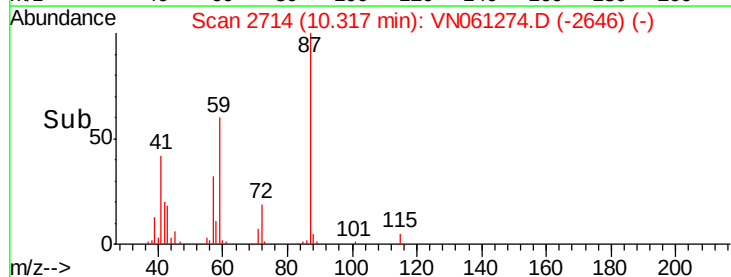
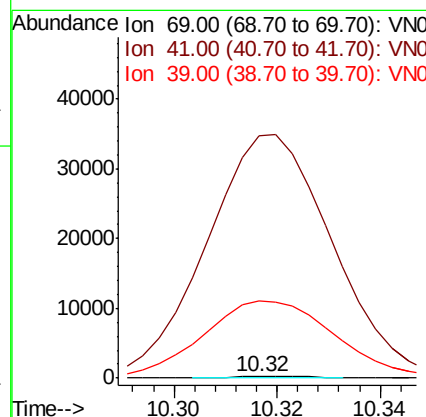
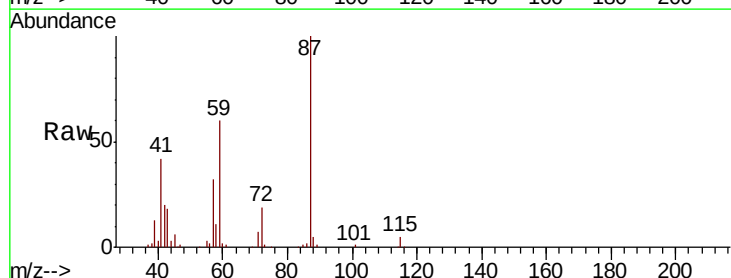
Instrument :
MSVOA_N
ClientSampleId :

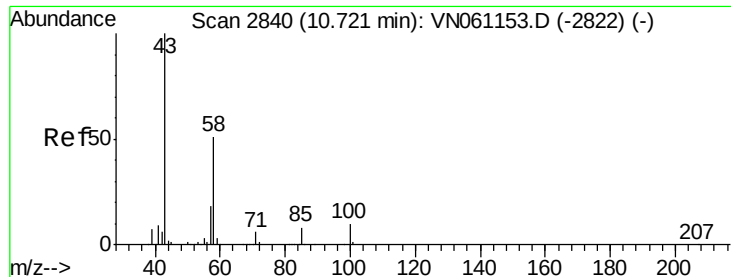
Tot Ion: 75 Resp: 537
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#56
Ethyl methacrylate
Concen: 2.816 ug/l
RT: 10.32 min Scan# 2714
Delta R.T. -0.08 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

Tgt Ion: 69 Resp: 226
Ion Ratio Lower Upper
69 100
41 26521.2 60.3 90.5#
39 8805.3 35.9 53.9#

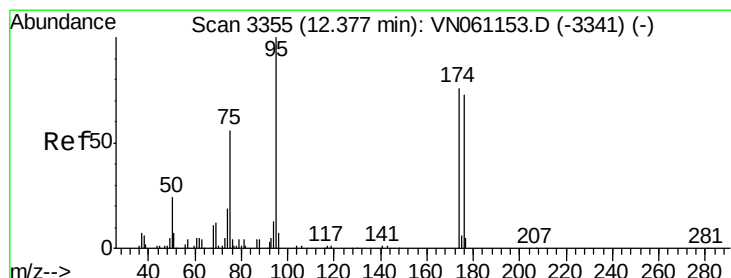
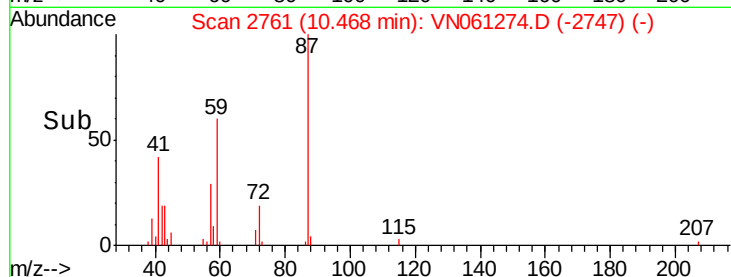
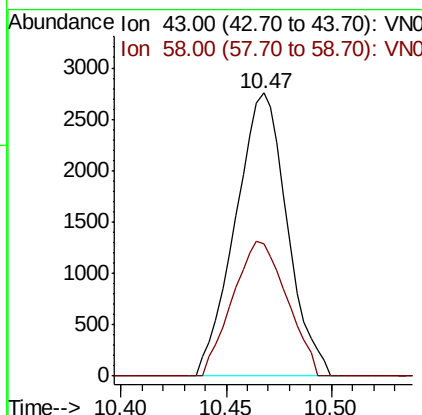
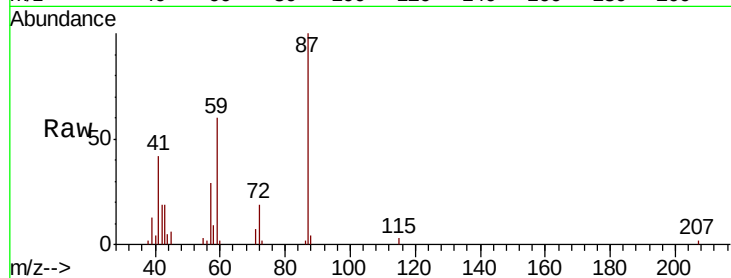




#59
2-Hexanone
Concen: 2.939 ug/l
RT: 10.47 min Scan# 2761
Delta R.T. -0.25 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

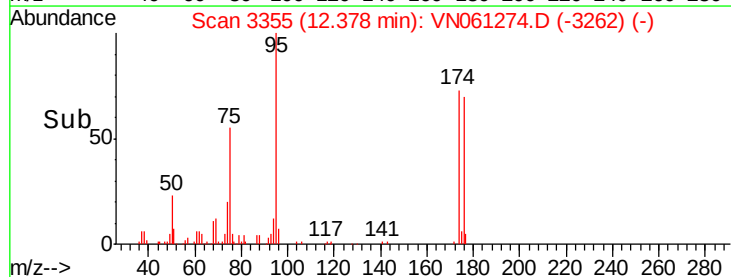
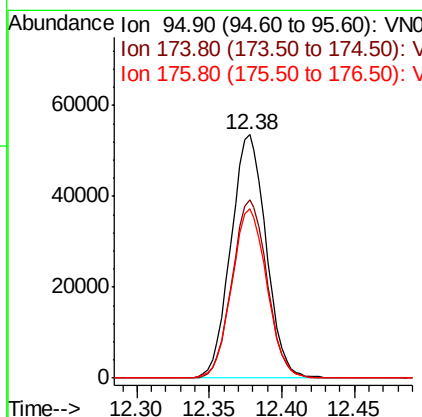
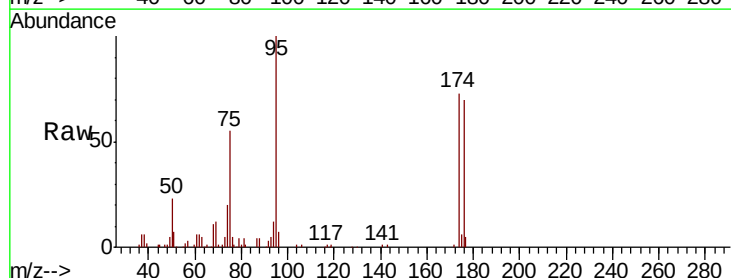
Instrument :
MSVOA_N
ClientSampleId :

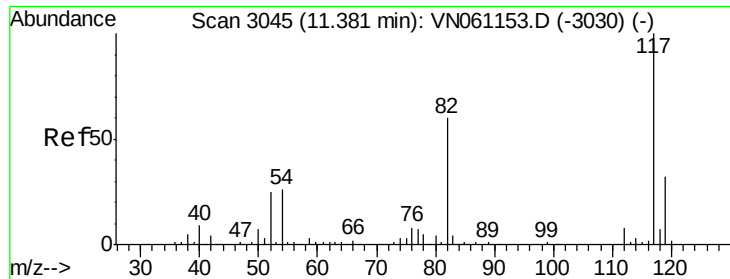
Tot Ion: 43 Resp: 4701
Ion Ratio Lower Upper
43 100
58 49.8 25.4 76.4



#62
4-Bromofluorobenzene
Concen: 51.973 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061274.D
Acq: 4 May 2020 13:44

Tgt Ion: 95 Resp: 90419
Ion Ratio Lower Upper
95 100
174 72.8 0.0 149.4
176 69.5 0.0 144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061274.D

Acq: 4 May 2020 13:44

Instrument :

MSVOA_N

ClientSampled :

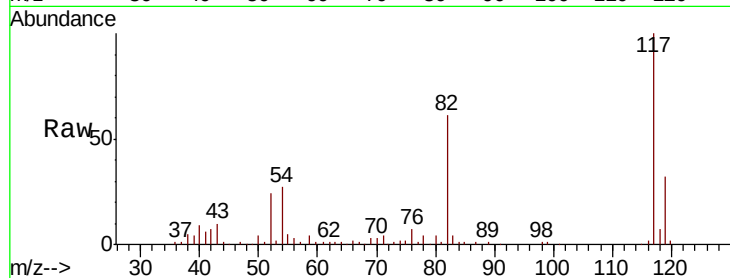
Tot Ion:117 Resp: 192343

Ion Ratio Lower Upper

117 100

82 60.5 47.8 71.8

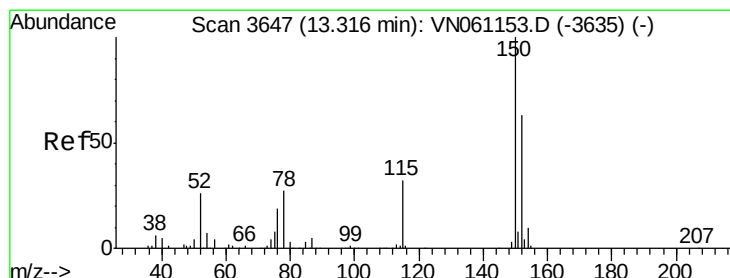
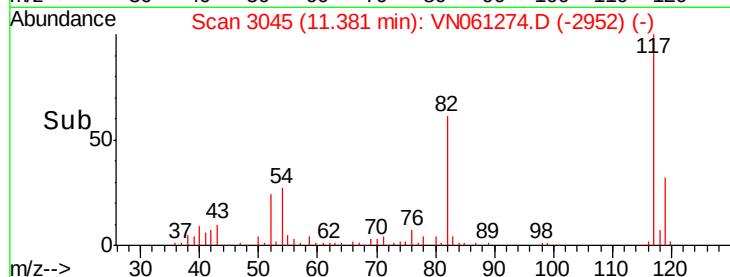
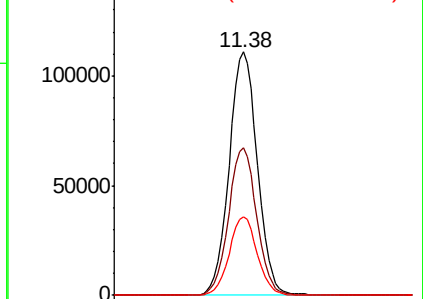
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061274.D

Acq: 4 May 2020 13:44

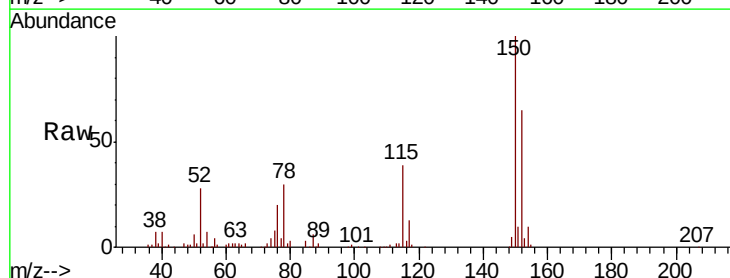
Tgt Ion:152 Resp: 82341

Ion Ratio Lower Upper

152 100

115 60.4 31.0 93.0

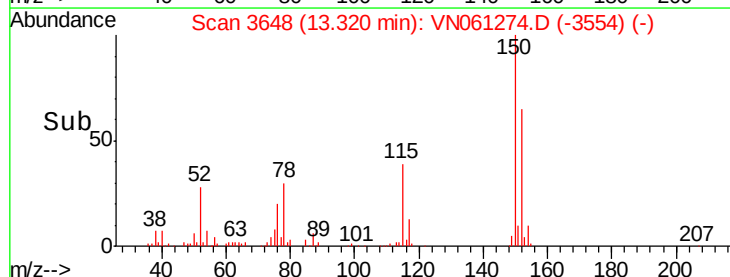
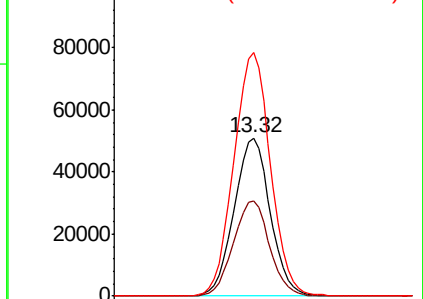
150 156.5 0.0 351.8

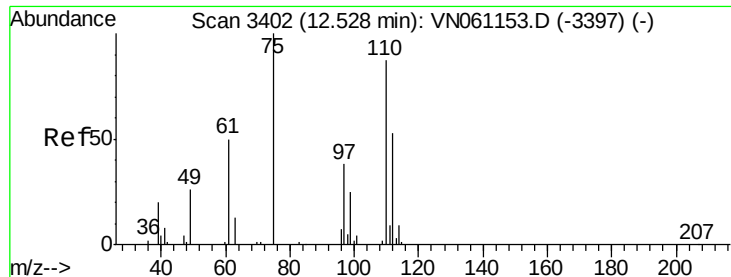


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

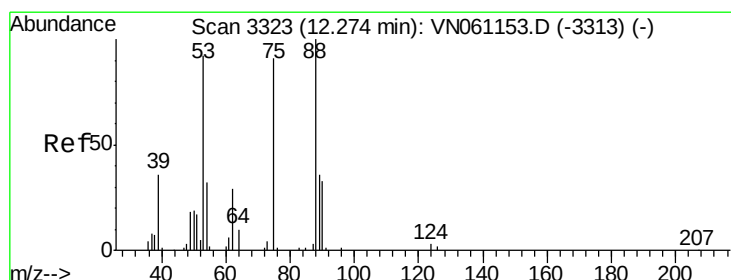
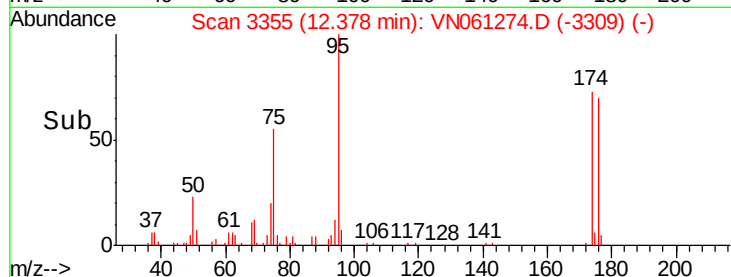
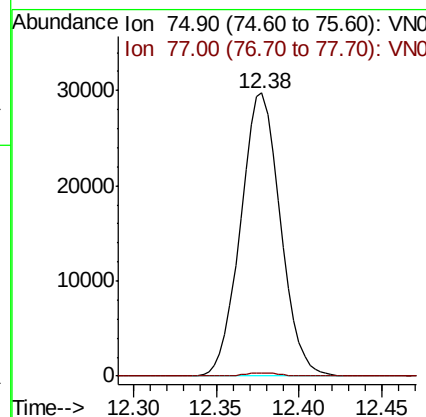
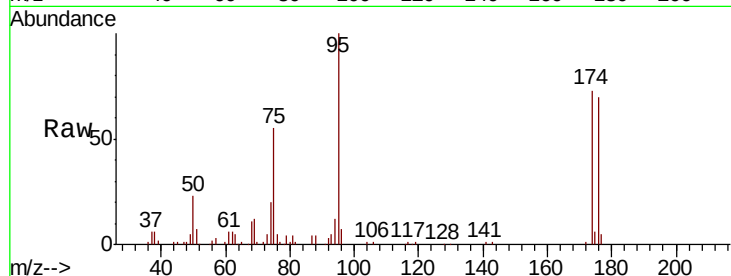




#76
 1,2,3-Trichloropropane
 Concen: 28.638 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061274.D
 Acq: 4 May 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 49714
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.725 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061274.D
 Acq: 4 May 2020 13:44

Tgt Ion: 75 Resp: 49714
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

