

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061375.D
 Acq On : 8 May 2020 20:25
 Operator : JC/MD
 Sample : L2503-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:50:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	96685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	180106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	180361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	76679	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	83861	54.82	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.55	113	53005	49.77	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.06	98	231229	53.26	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.38	95	85742	52.48	ug/l	0.00
Spiked Amount						

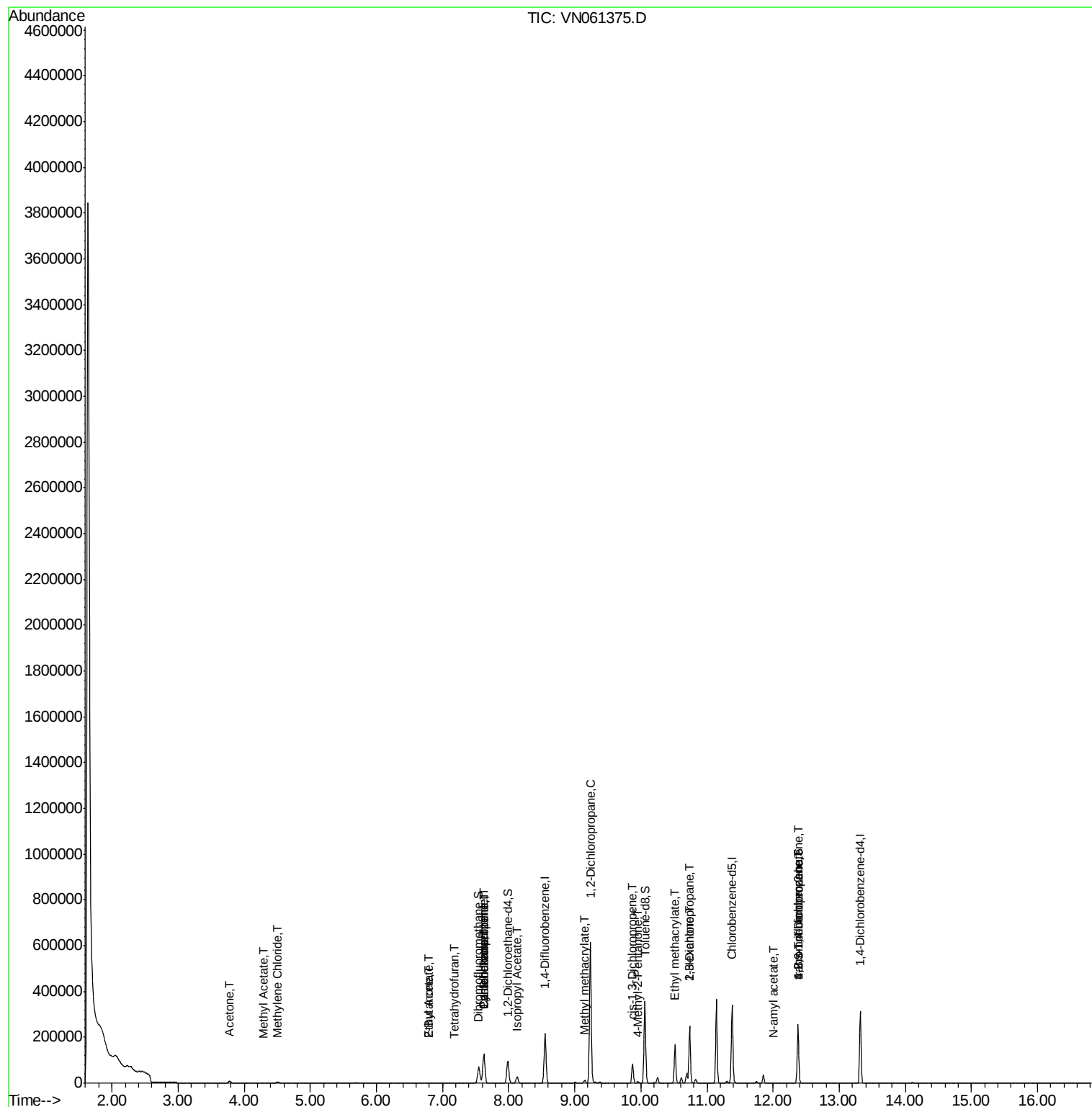
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	15973	21.957	ug/l	98
18) Methyl Acetate	4.28	43	1252	1.319	ug/l #	55
20) Methylene Chloride	4.51	84	3240	2.716	ug/l	94
25) 2-Butanone	6.79	43	2333	2.577	ug/l	93
29) Tetrahydrofuran	7.17	42	511	0.838	ug/l #	37
31) Cyclohexane	7.62	56	2598	1.167	ug/l #	18
36) 1,1-Dichloropropene	7.63	75	8960	4.970	ug/l #	47
37) Ethyl Acetate	6.79	43	2333	1.104	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10709	8.499	ug/l #	17
43) Isopropyl Acetate	8.13	43	35234	10.044	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	605	0.422	ug/l #	44
48) Methyl methacrylate	9.15	41	2268	1.433	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	4448	2.154	ug/l	97
54) cis-1,3-Dichloropropene	9.87	75	13632	6.000	ug/l #	64
56) Ethyl methacrylate	10.52	69	496	2.936	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2224	0.980	ug/l #	43
59) 2-Hexanone	10.74	43	38825	25.846	ug/l #	53
74) N-amyl acetate	12.01	43	1737	0.609	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	47365	29.299	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47365	74.405	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: VN061375.D

Acq: 8 May 2020 20:25

Instrument :

MSVOA_N

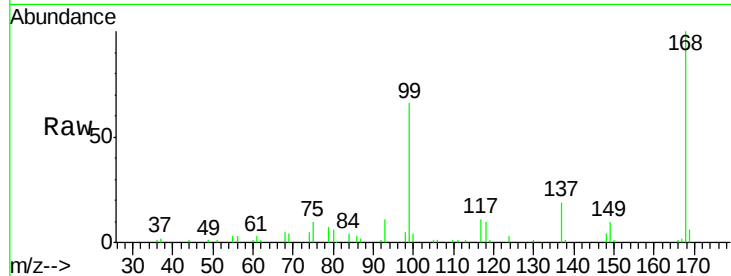
ClientSampleId :

Tot Ion:168 Resp: 96685

Ion Ratio Lower Upper

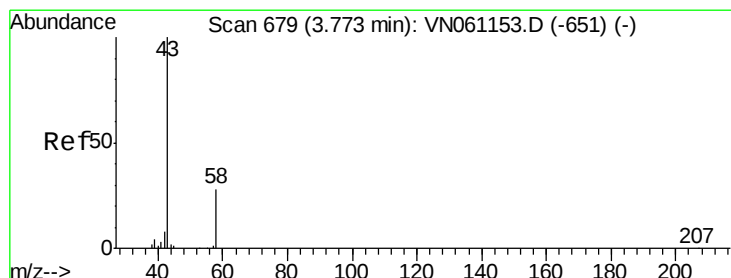
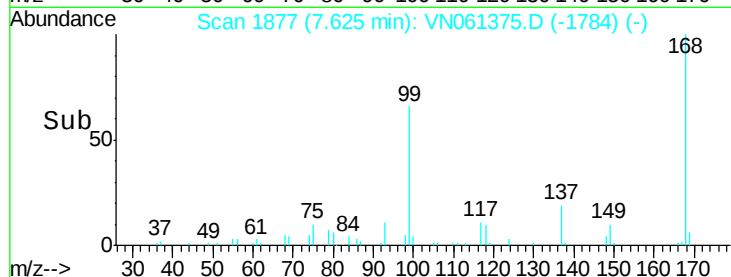
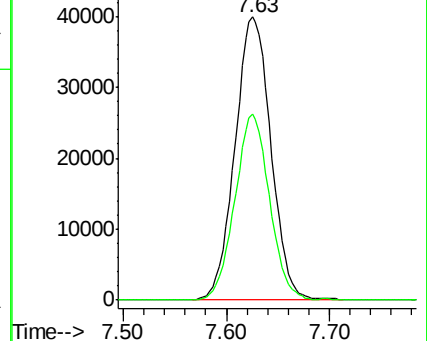
168 100

99 65.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 21.957 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061375.D

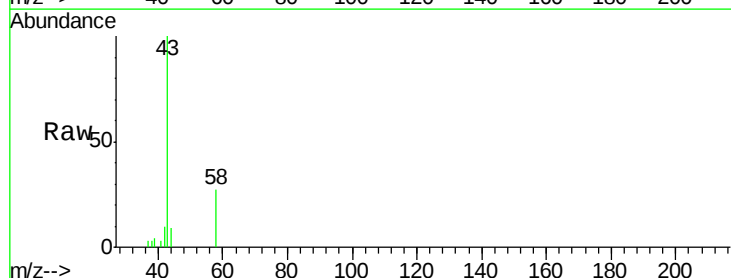
Acq: 8 May 2020 20:25

Tgt Ion: 43 Resp: 15973

Ion Ratio Lower Upper

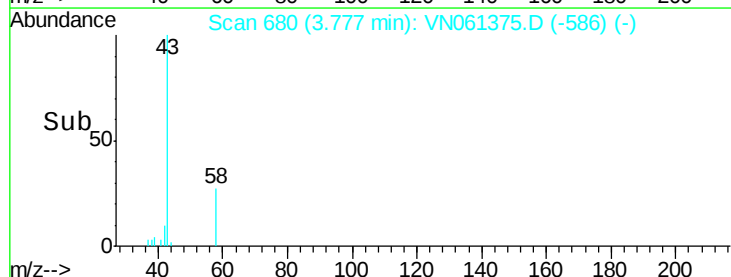
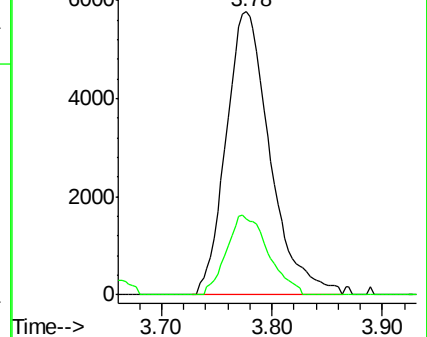
43 100

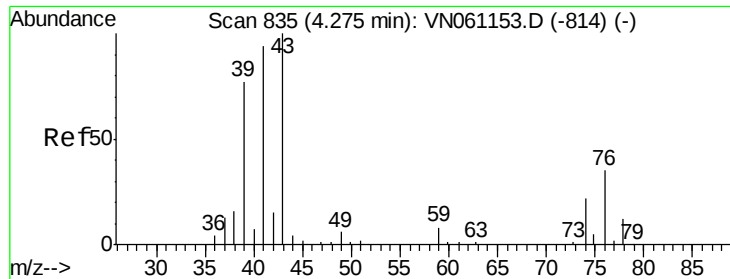
58 26.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

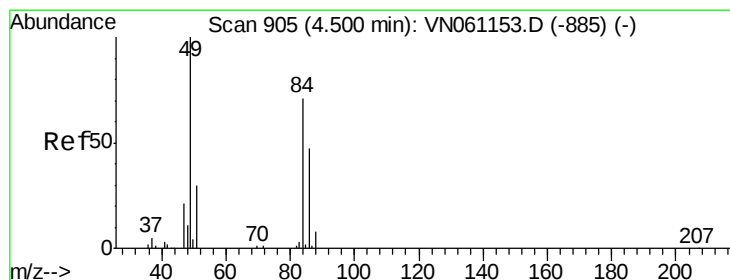
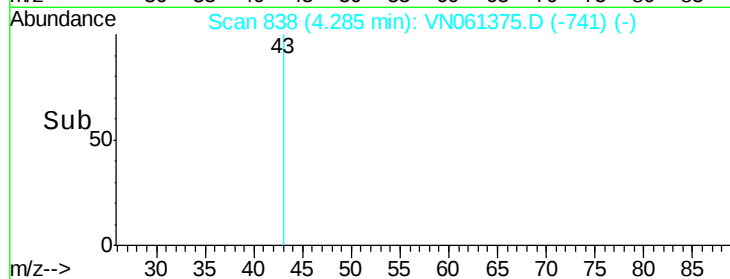
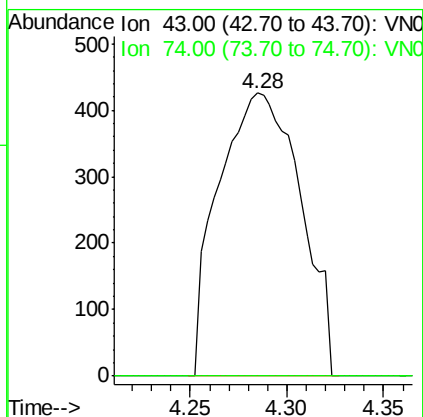
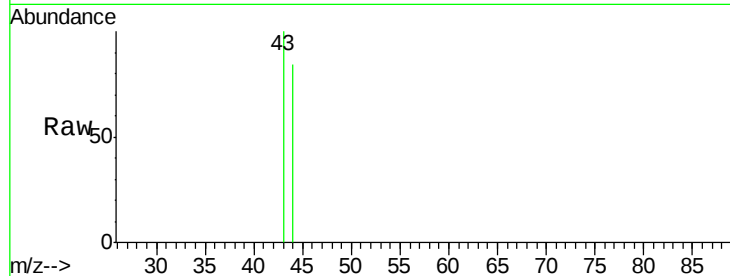




#18
Methyl Acetate
Concen: 1.319 ug/l
RT: 4.28 min Scan# 838
Delta R.T. 0.01 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

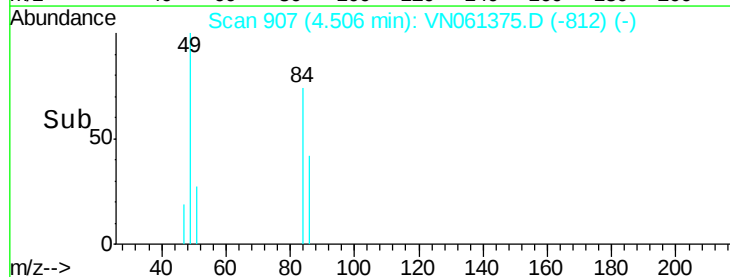
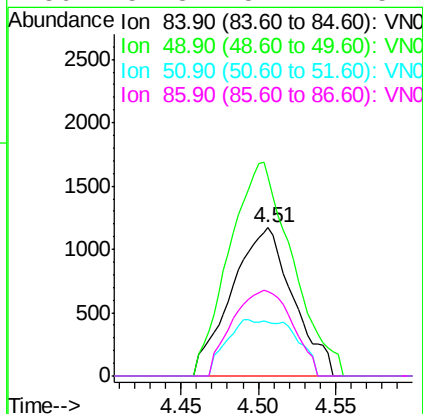
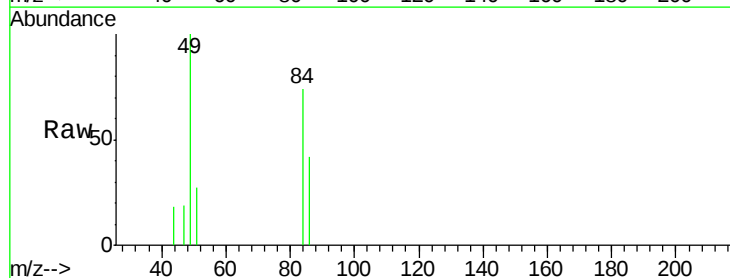
Instrument :
MSVOA_N
ClientSampled :

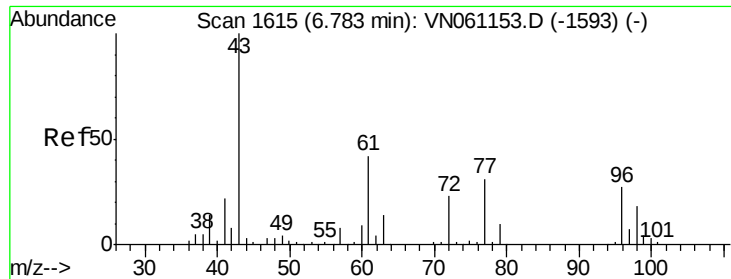
Tot Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 2.716 ug/l
RT: 4.51 min Scan# 907
Delta R.T. 0.01 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

Tgt Ion: 84 Resp: 3240
Ion Ratio Lower Upper
84 100
49 135.2 112.0 168.0
51 36.6 33.6 50.4
86 57.3 52.1 78.1

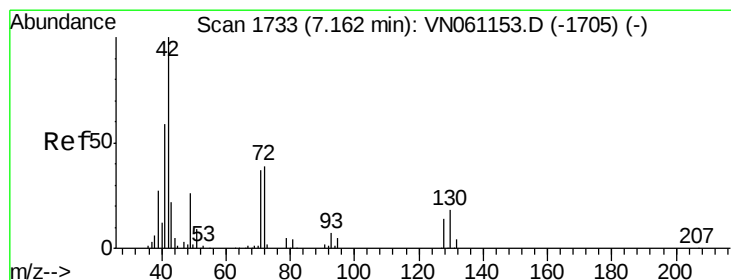
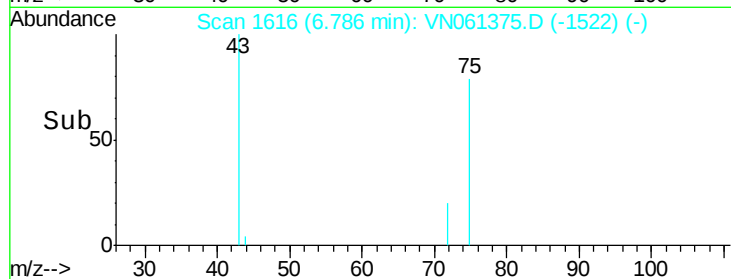
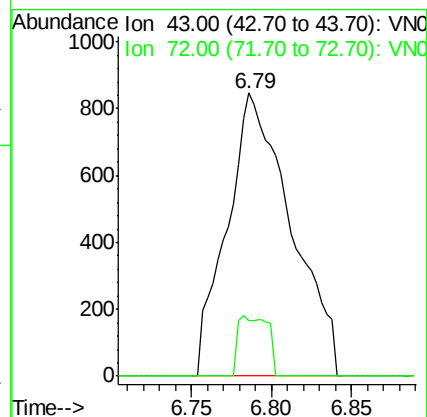
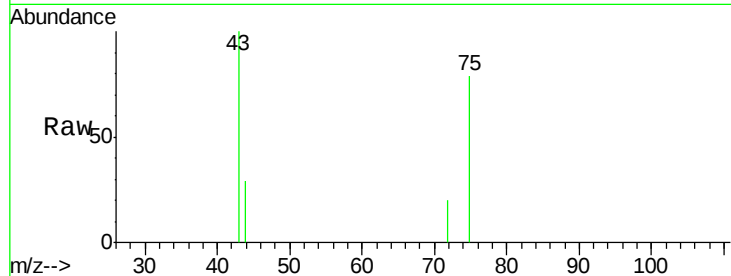




#25
2-Butanone
Concen: 2.577 ug/l
RT: 6.79 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

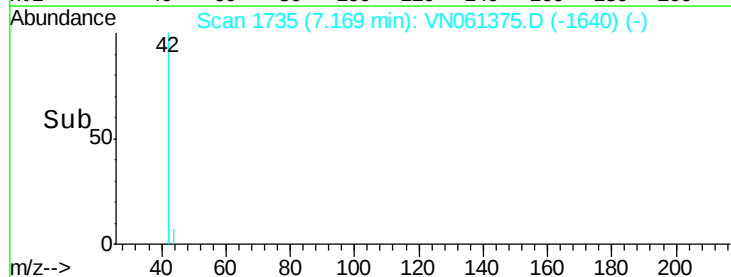
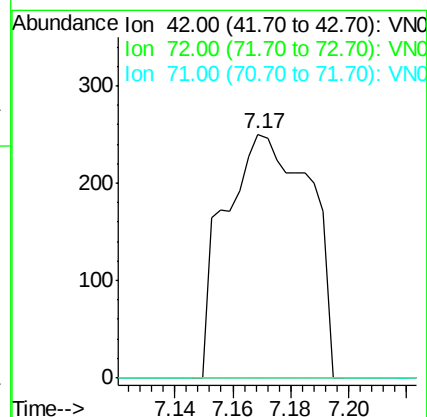
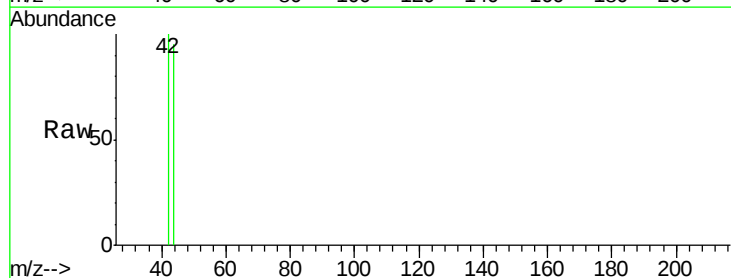
Instrument :
MSVOA_N
ClientSampled :

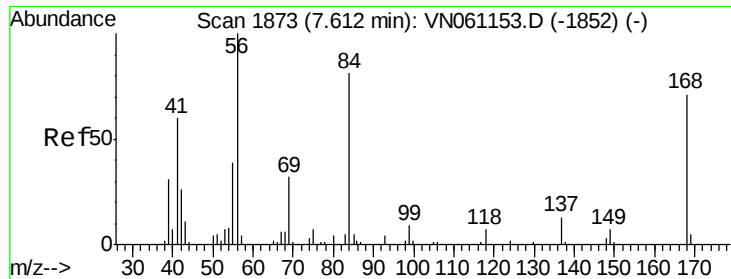
Tot Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
72 19.6 18.2 27.4



#29
Tetrahydrofuran
Concen: 0.838 ug/l
RT: 7.17 min Scan# 1735
Delta R.T. 0.01 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

Tgt Ion: 42 Resp: 511
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 29.5 44.3#

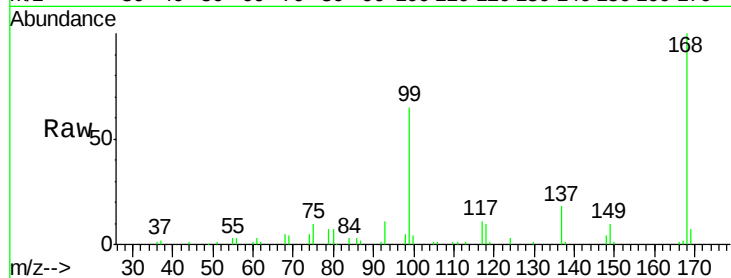




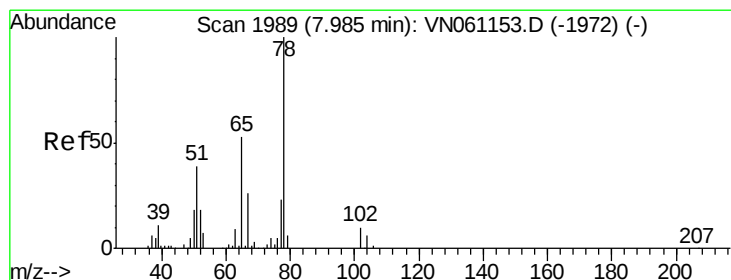
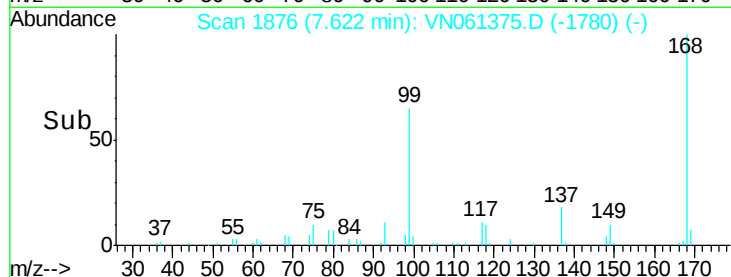
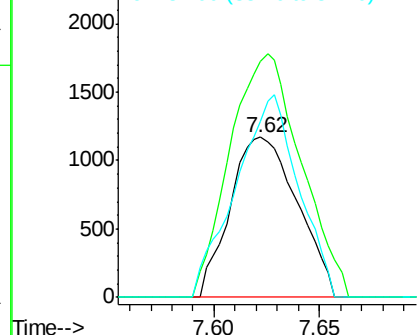
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2598
Ion Ratio Lower Upper
56 100
69 146.8 25.7 38.5#
84 109.5 64.6 97.0#

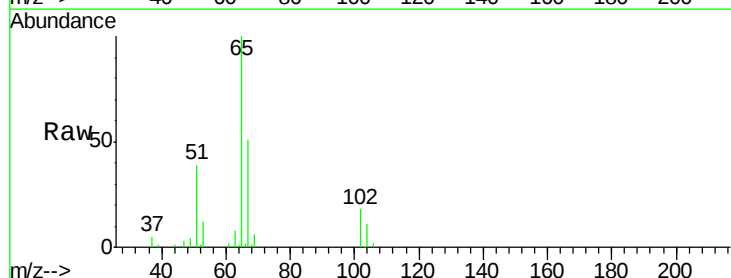


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

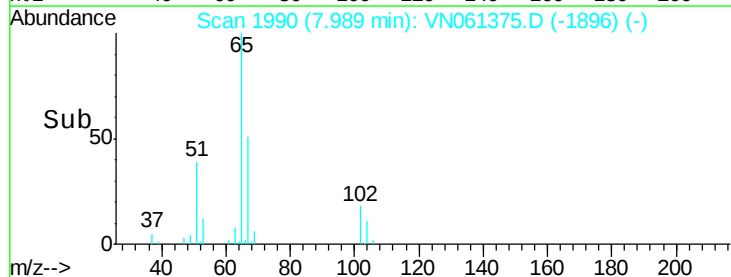
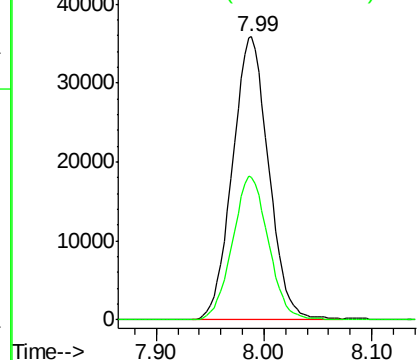


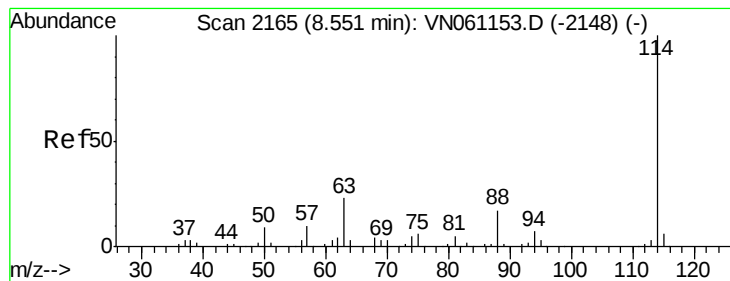
#33
1,2-Dichloroethane-d4
Concen: 54.816 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

Tgt Ion: 65 Resp: 83861
Ion Ratio Lower Upper
65 100
67 50.3 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: VN061375.D

Acq: 8 May 2020 20:25

Instrument :

MSVOA_N

ClientSampled :

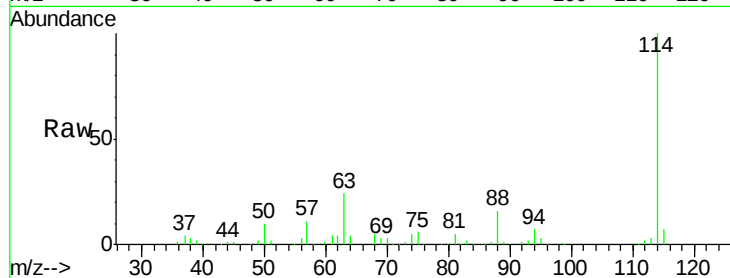
Tot Ion:114 Resp: 180106

Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.6

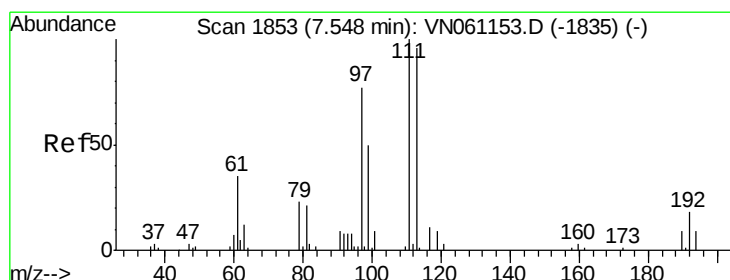
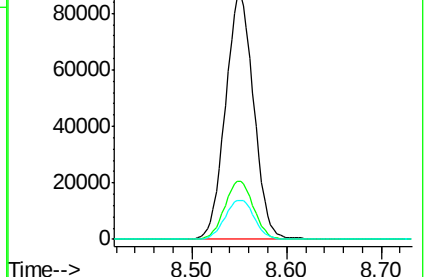
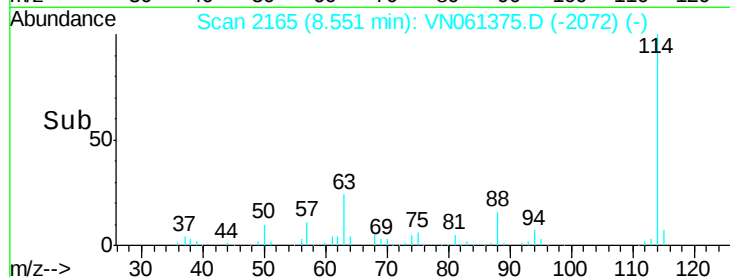
88 16.0 0.0 33.4



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: 49.770 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061375.D

Acq: 8 May 2020 20:25

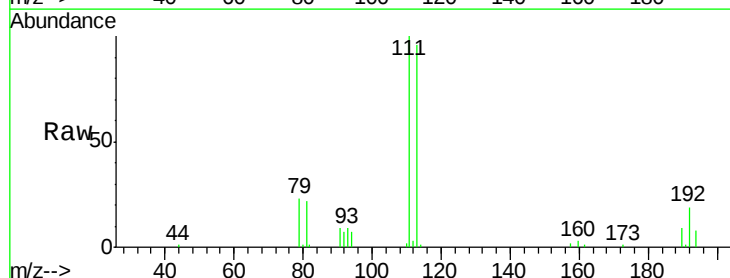
Tgt Ion:113 Resp: 53005

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

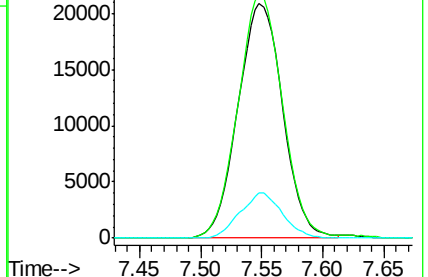
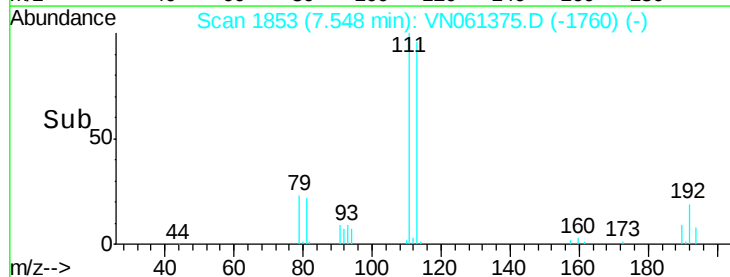
192 18.2 14.7 22.1

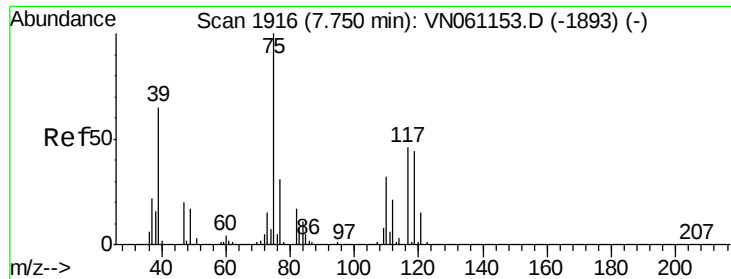


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

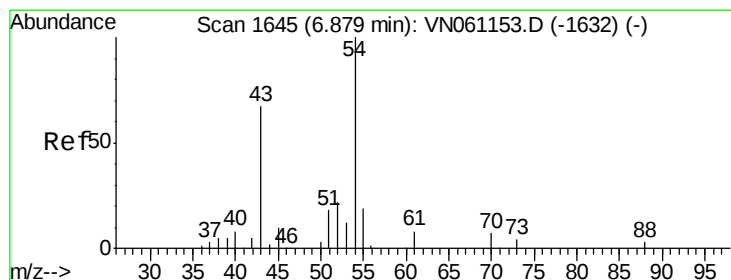
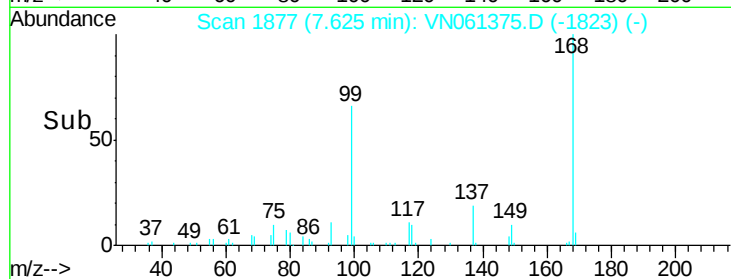
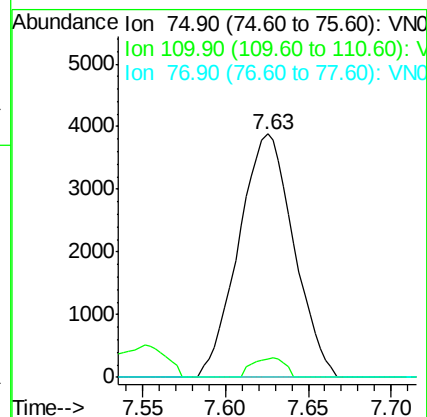
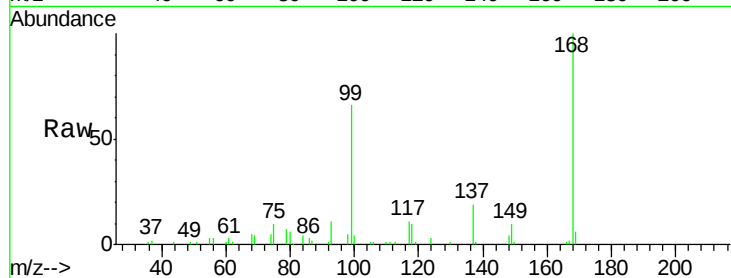




#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061375.D
 Acq: 8 May 2020 20:25

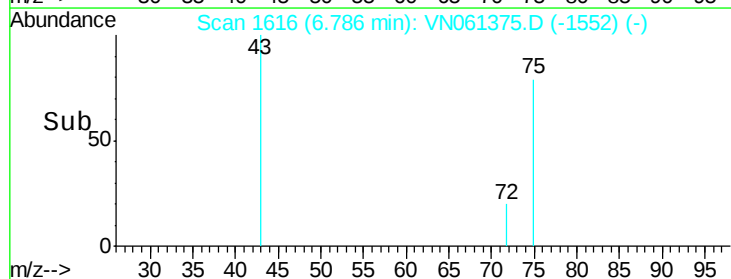
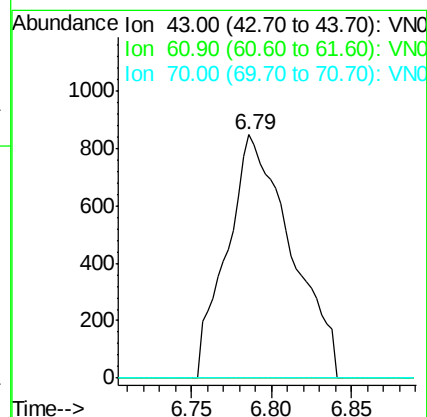
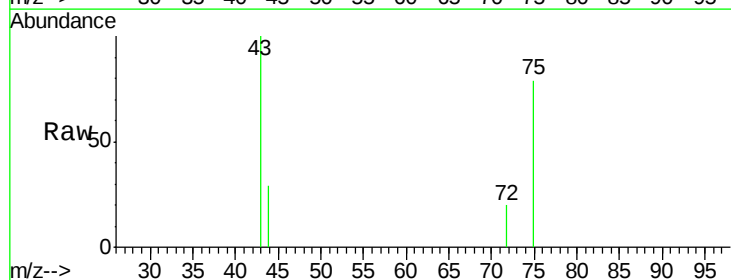
Instrument :
 MSVOA_N
 ClientSampled :

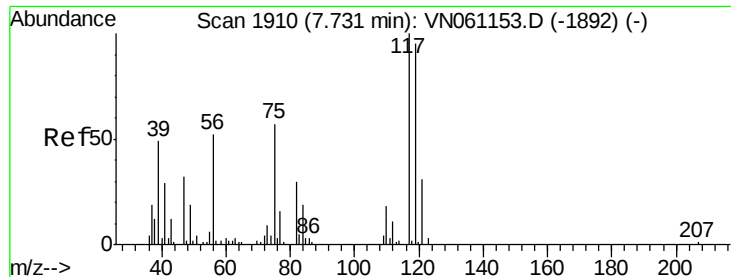
Tot Ion: 75 Resp: 8960
 Ion Ratio Lower Upper
 75 100
 110 4.7 16.0 48.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.104 ug/l
 RT: 6.79 min Scan# 1616
 Delta R.T. -0.09 min
 Lab File: VN061375.D
 Acq: 8 May 2020 20:25

Tgt Ion: 43 Resp: 2333
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 8.499 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061375.D

Acq: 8 May 2020 20:25

Instrument :

MSVOA_N

ClientSampled :

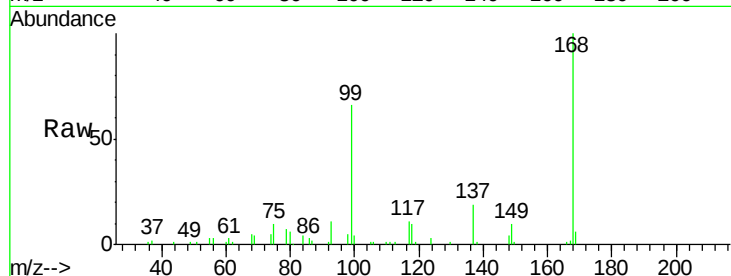
Tot Ion:117 Resp: 10709

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

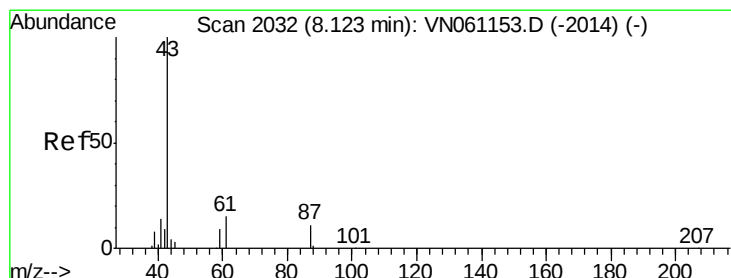
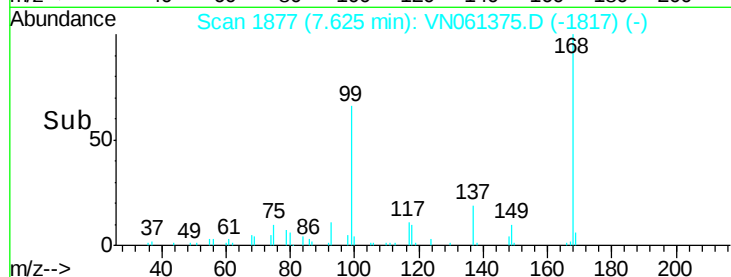
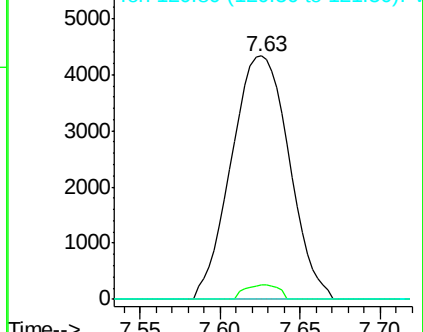
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.044 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061375.D

Acq: 8 May 2020 20:25

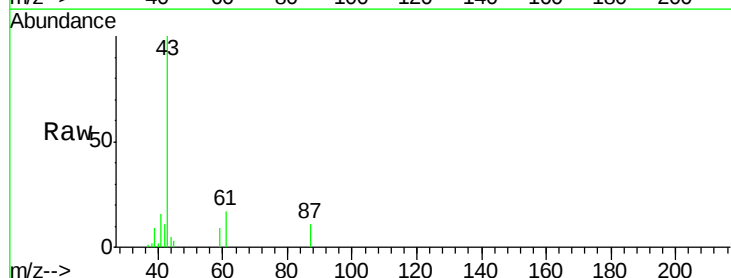
Tgt Ion: 43 Resp: 35234

Ion Ratio Lower Upper

43 100

61 17.1 19.5 29.3#

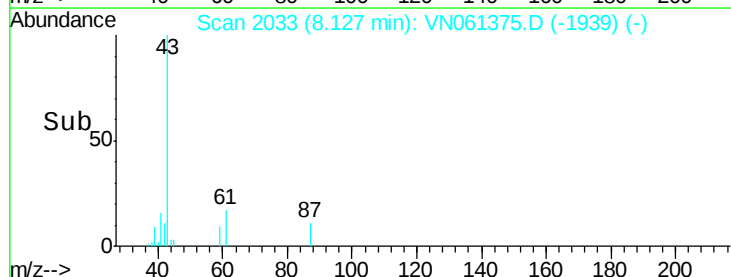
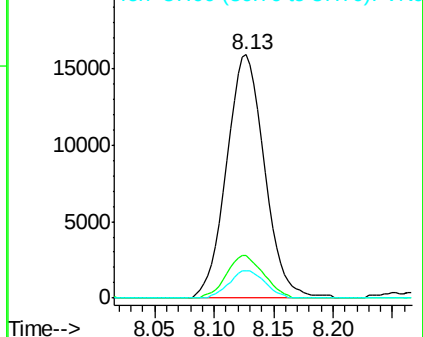
87 10.7 8.9 13.3

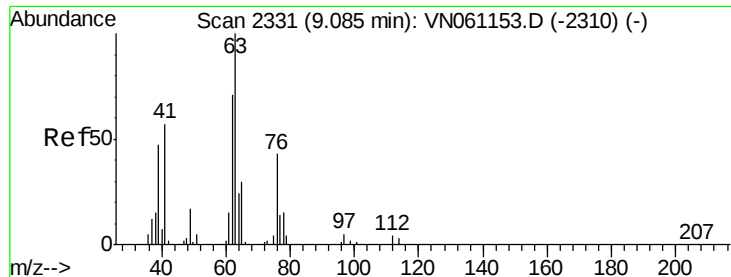


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.422 ug/l

RT: 9.23 min Scan# 2377

Delta R.T. 0.15 min

Lab File: VN061375.D

Acq: 8 May 2020 20:25

Instrument :

MSVOA_N

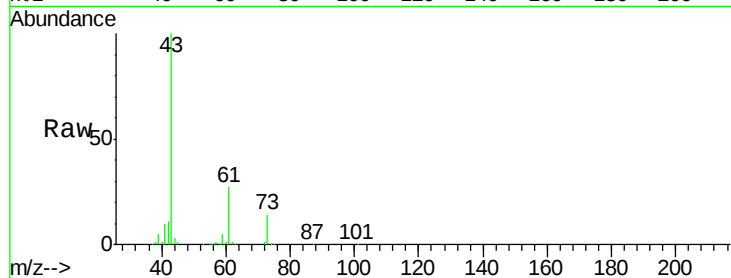
ClientSampled :

Tot Ion: 63 Resp: 605

Ion Ratio Lower Upper

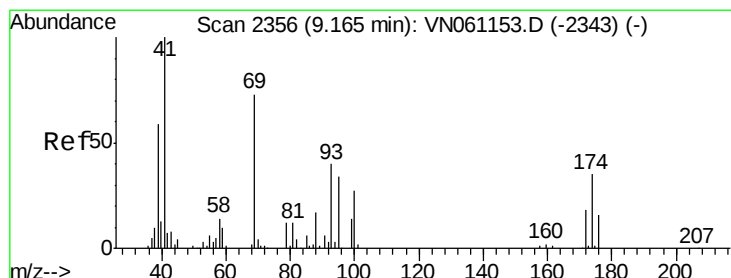
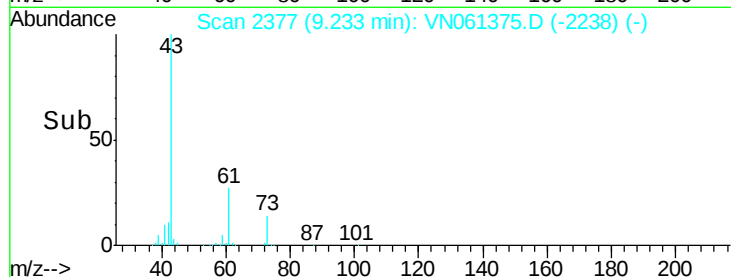
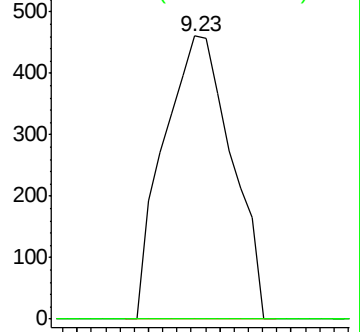
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.433 ug/l

RT: 9.15 min Scan# 2350

Delta R.T. -0.02 min

Lab File: VN061375.D

Acq: 8 May 2020 20:25

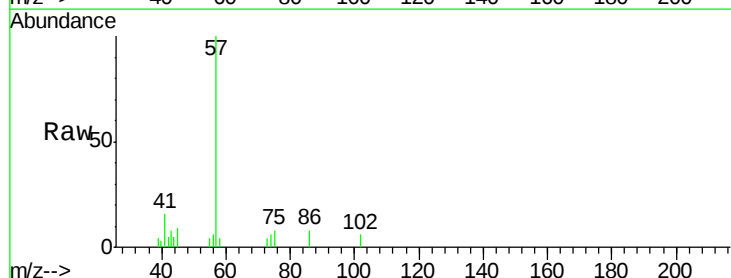
Tgt Ion: 41 Resp: 2268

Ion Ratio Lower Upper

41 100

69 0.0 60.3 90.5#

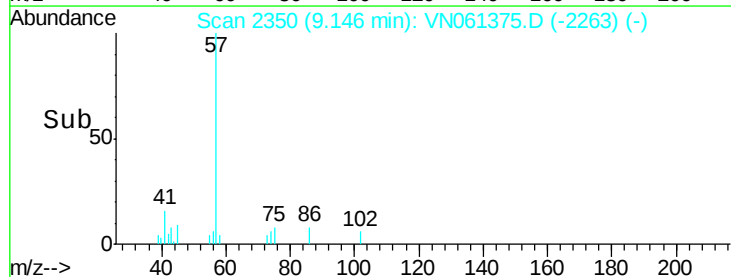
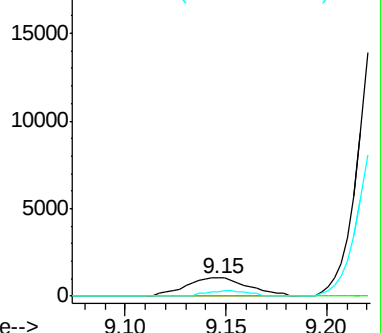
39 0.0 47.4 71.0#

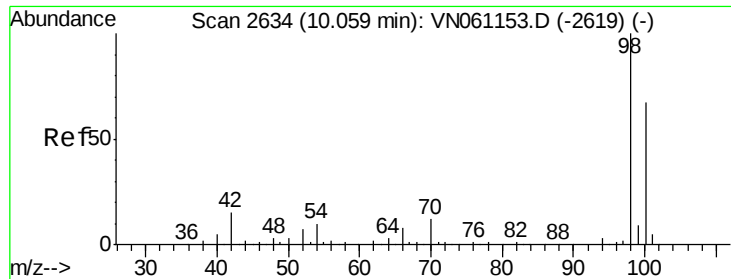


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

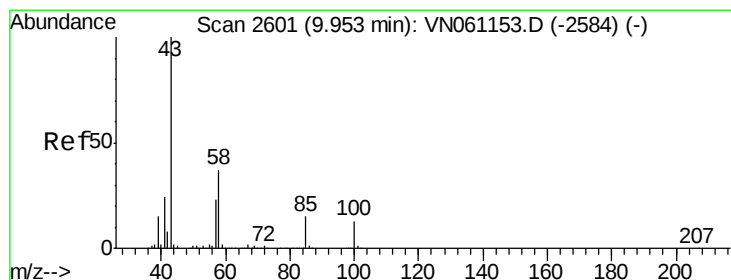
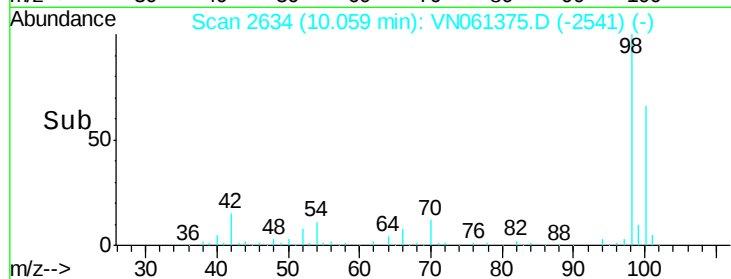
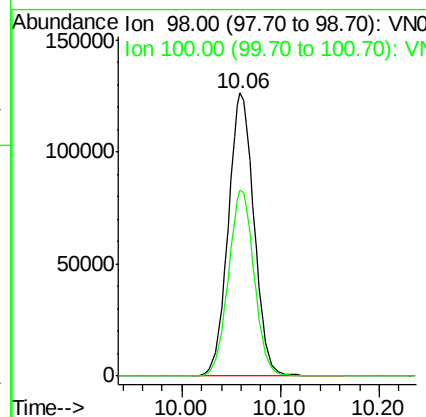
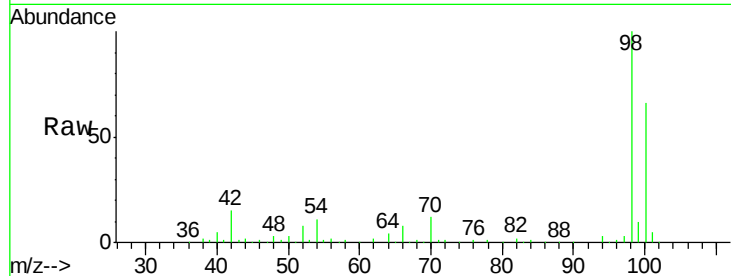




#50
Toluene-d8
Concen: 53.260 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

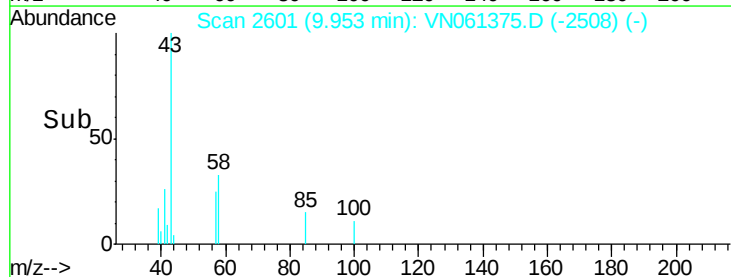
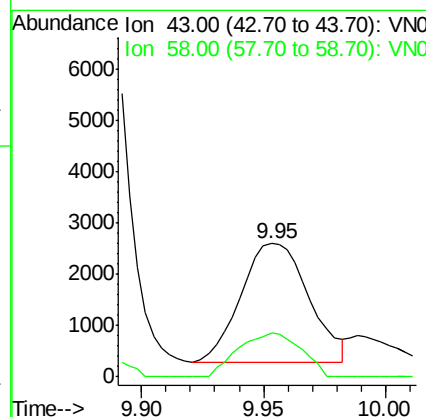
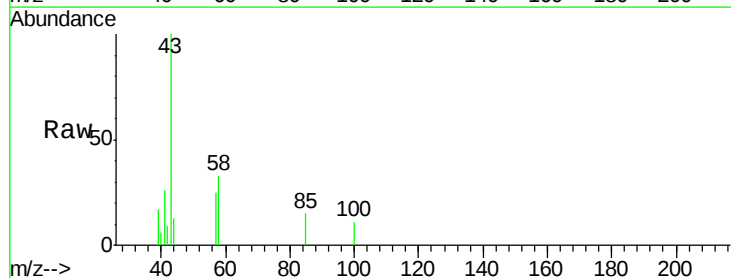
Instrument :
MSVOA_N
ClientSampleId :

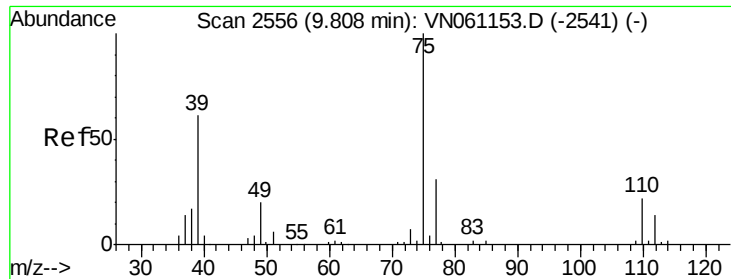
Tot Ion: 98 Resp: 231229
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 2.154 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

Tgt Ion: 43 Resp: 4448
Ion Ratio Lower Upper
43 100
58 34.4 29.1 43.7

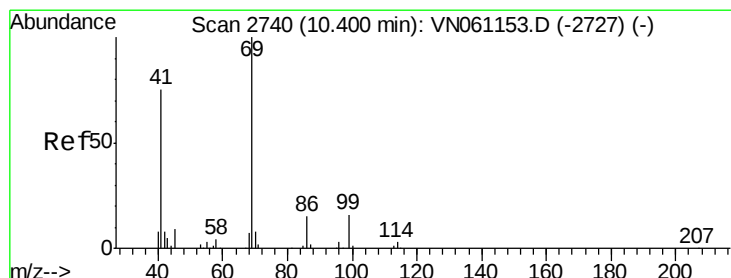
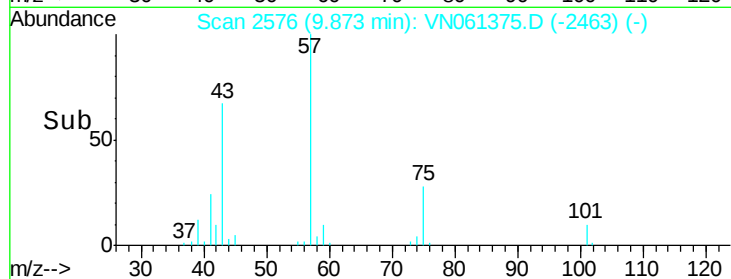
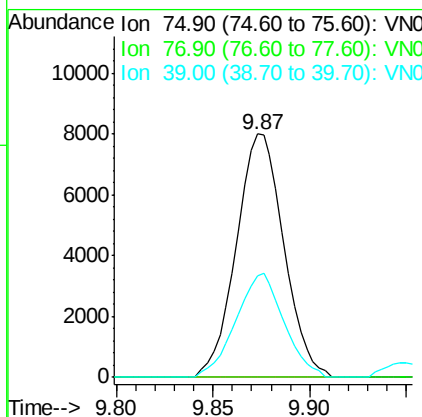
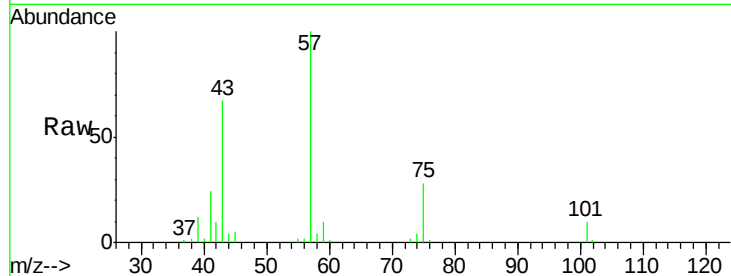




#54
 cis-1,3-Dichloropropene
 Concen: 6.000 ug/l
 RT: 9.87 min Scan# 2576
 Delta R.T. 0.06 min
 Lab File: VN061375.D
 Acq: 8 May 2020 20:25

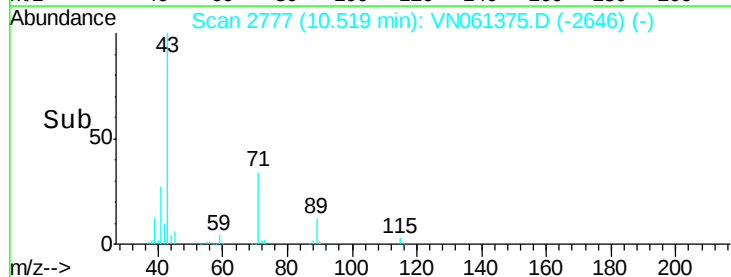
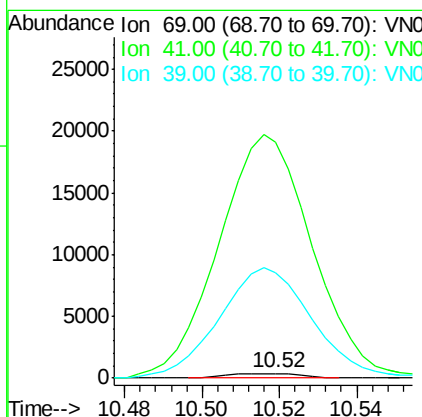
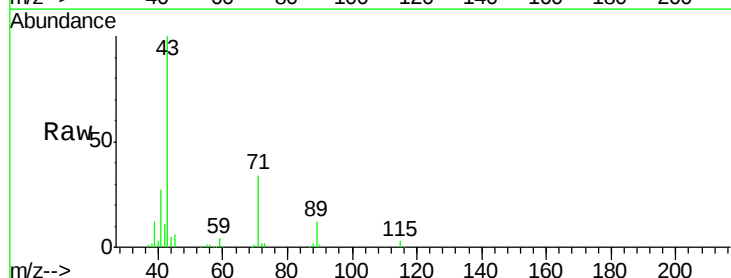
Instrument :
 MSVOA_N
 ClientSampled :

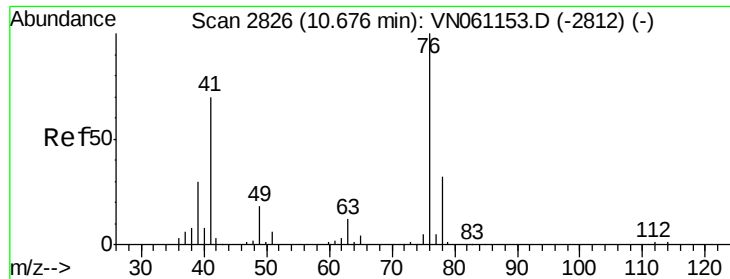
Tot Ion: 75 Resp: 13632
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 41.7 48.7 73.1#



#56
 Ethyl methacrylate
 Concen: 2.936 ug/l
 RT: 10.52 min Scan# 2777
 Delta R.T. 0.12 min
 Lab File: VN061375.D
 Acq: 8 May 2020 20:25

Tgt Ion: 69 Resp: 496
 Ion Ratio Lower Upper
 69 100
 41 6785.5 60.3 90.5#
 39 3016.7 35.9 53.9#

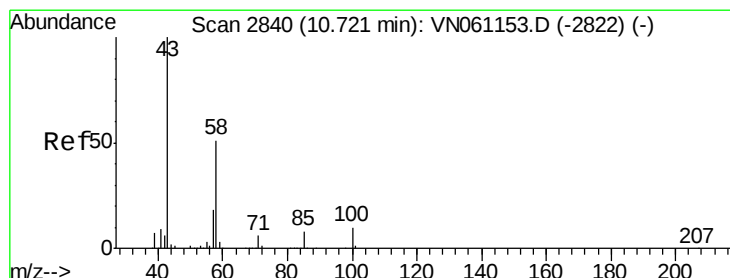
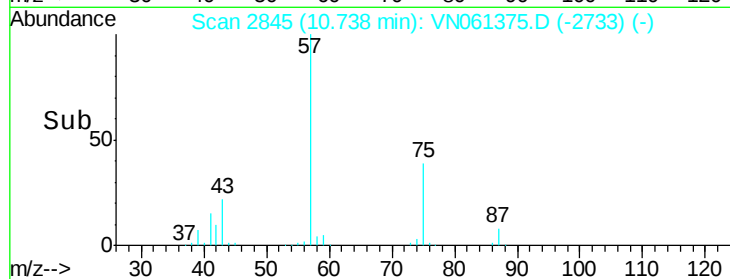
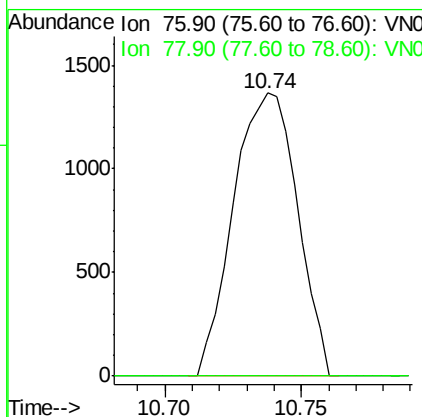
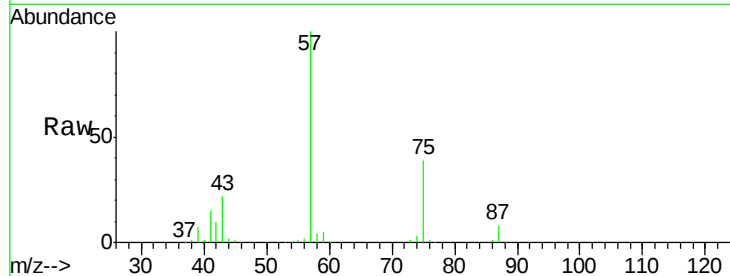




#57
 1,3-Dichloropropane
 Concen: 0.980 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.06 min
 Lab File: VN061375.D
 Acq: 8 May 2020 20:25

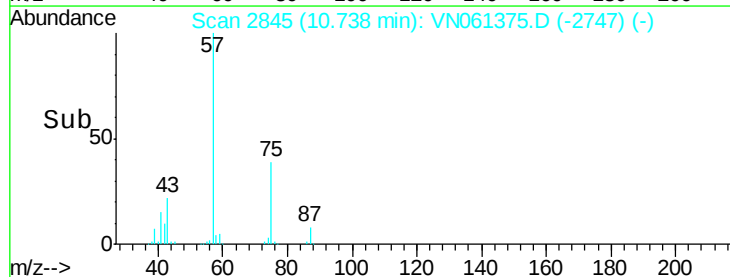
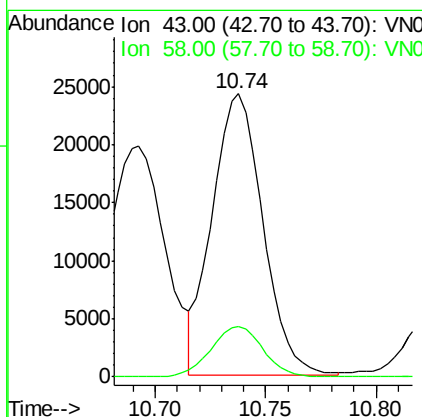
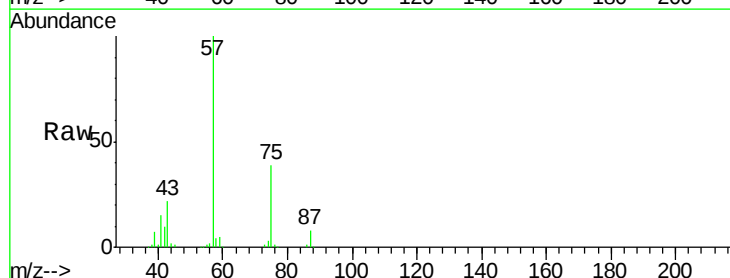
Instrument :
 MSVOA_N
 ClientSampled :

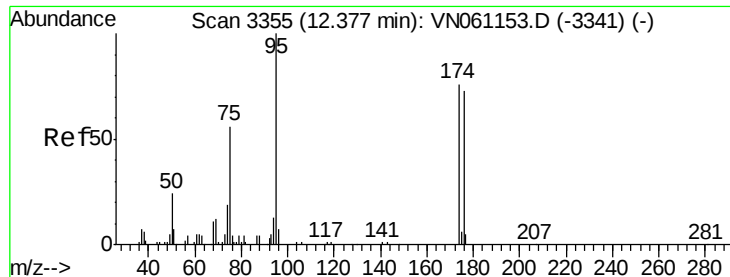
Tot Ion: 76 Resp: 2224
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 25.846 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.02 min
 Lab File: VN061375.D
 Acq: 8 May 2020 20:25

Tgt Ion: 43 Resp: 38825
 Ion Ratio Lower Upper
 43 100
 58 18.2 25.4 76.4#

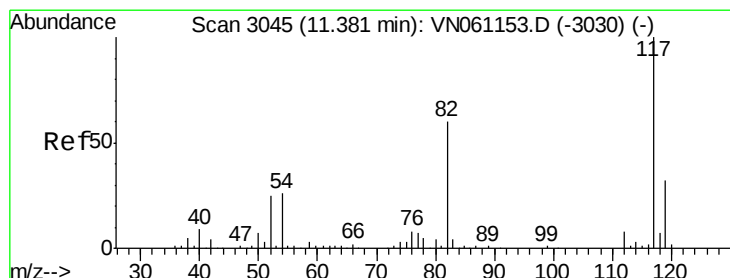
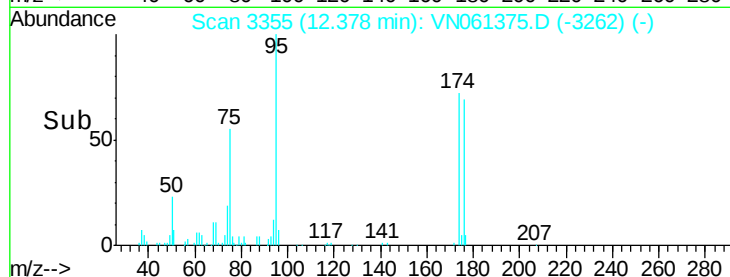
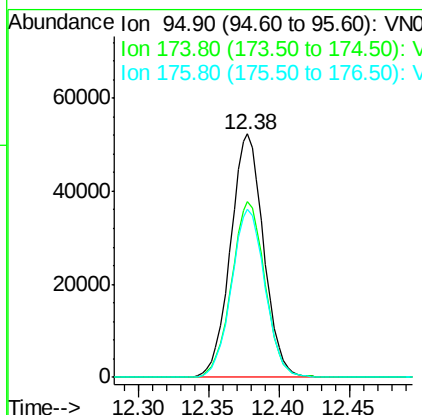
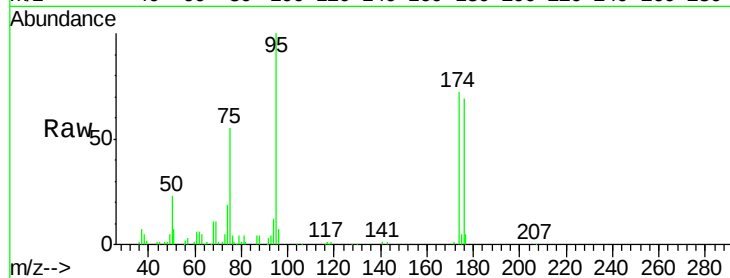




#62
4-Bromofluorobenzene
Concen: 52.480 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

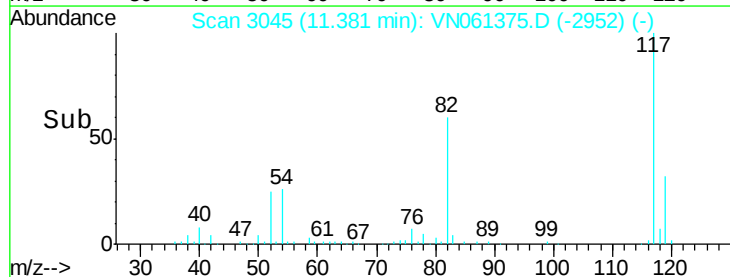
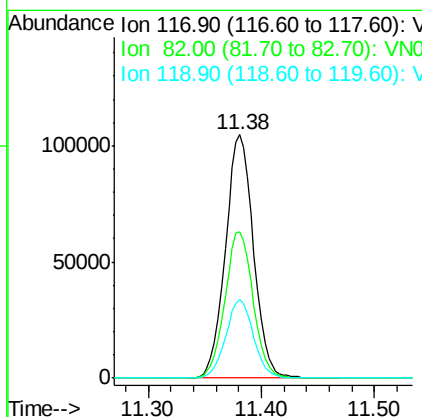
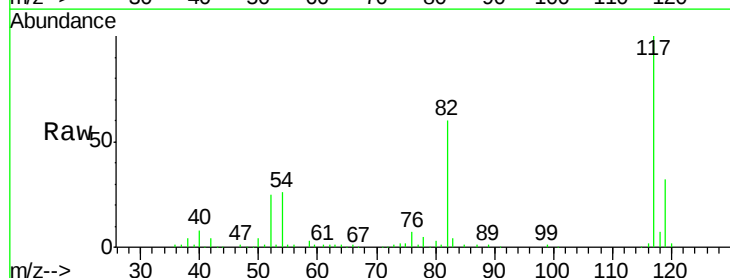
Instrument :
MSVOA_N
ClientSampleId :

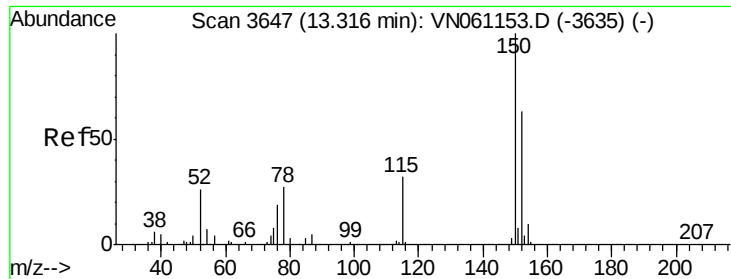
Tot Ion: 95 Resp: 85742
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.4
176 70.2 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061375.D
Acq: 8 May 2020 20:25

Tgt Ion: 117 Resp: 180361
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061375.D

Acq: 8 May 2020 20:25

Instrument :

MSVOA_N

ClientSampleId :

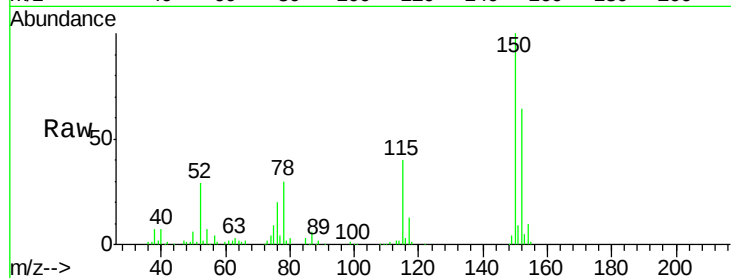
Tot Ion:152 Resp: 76679

Ion Ratio Lower Upper

152 100

115 62.1 31.0 93.0

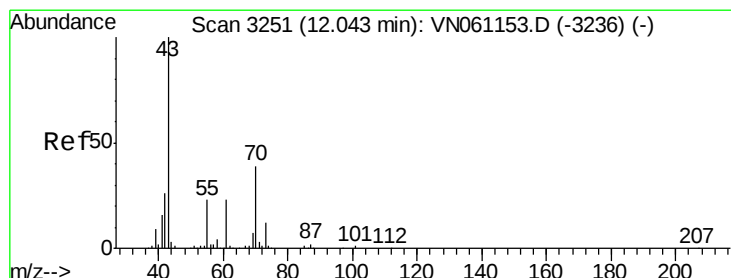
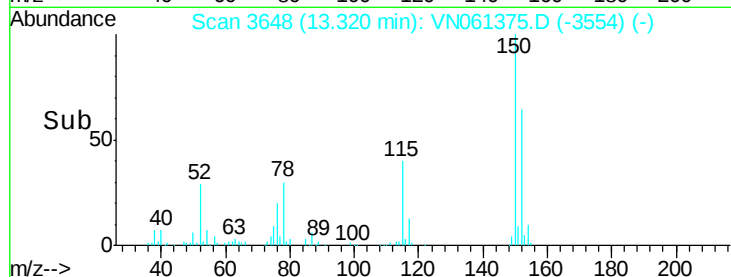
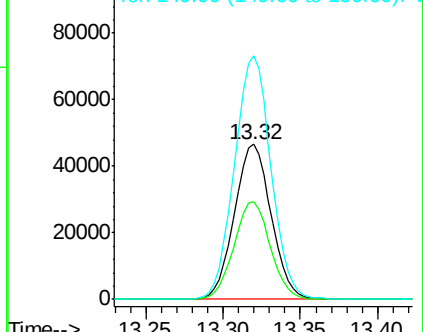
150 156.8 0.0 351.8



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



#74

N-ethyl acetate

Concen: 0.609 ug/l

RT: 12.01 min Scan# 3240

Delta R.T. -0.04 min

Lab File: VN061375.D

Acq: 8 May 2020 20:25

Tgt Ion: 43 Resp: 1737

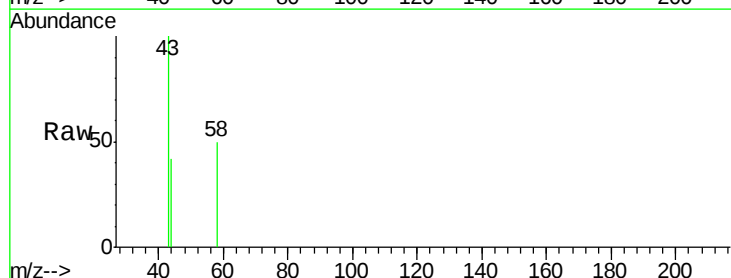
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#

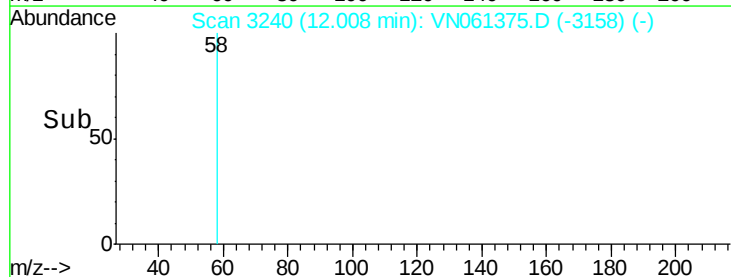
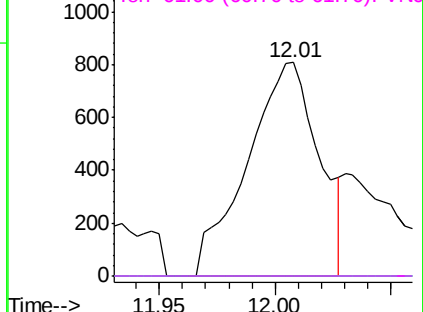


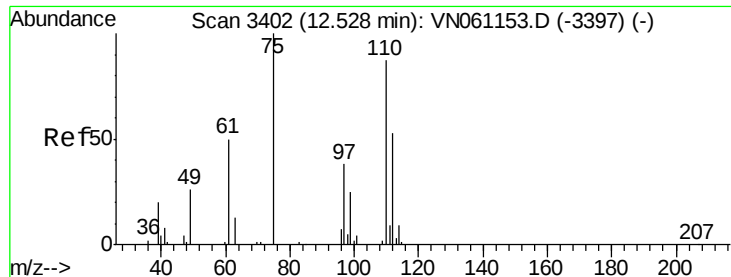
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

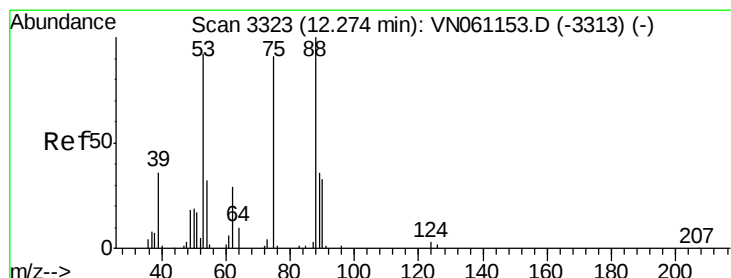
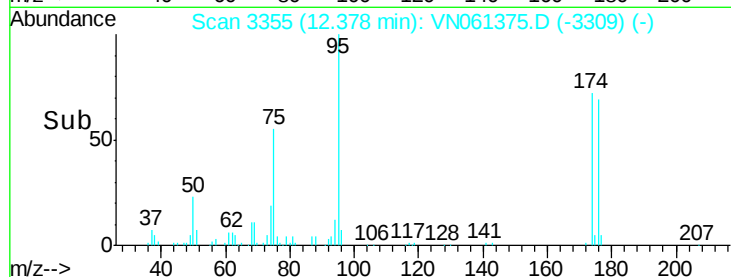
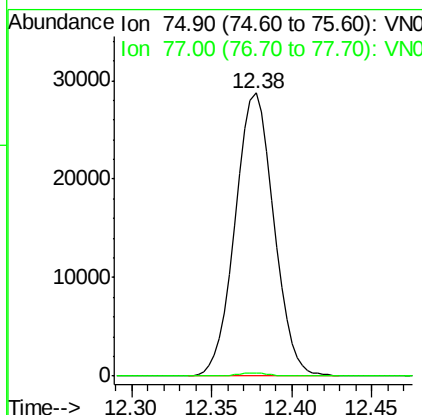
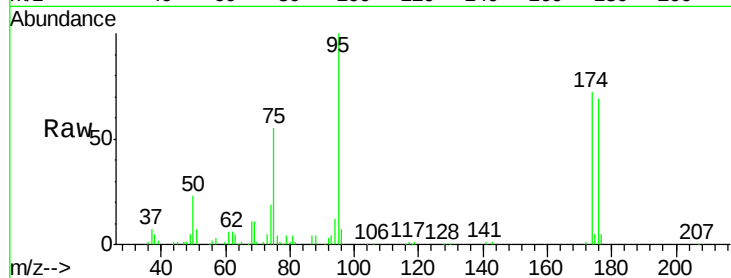




#76
 1,2,3-Trichloropropane
 Concen: 29.299 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061375.D
 Acq: 8 May 2020 20:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 47365
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.405 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061375.D
 Acq: 8 May 2020 20:25

Tgt Ion: 75 Resp: 47365
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

