

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061331.D
 Acq On : 7 May 2020 14:10
 Operator : JC/MD
 Sample : PB128697ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 01:35:42 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	98992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	181653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	179991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	73917	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	84075	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.55	113	51702	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.06	98	232850	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.38	95	85108	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

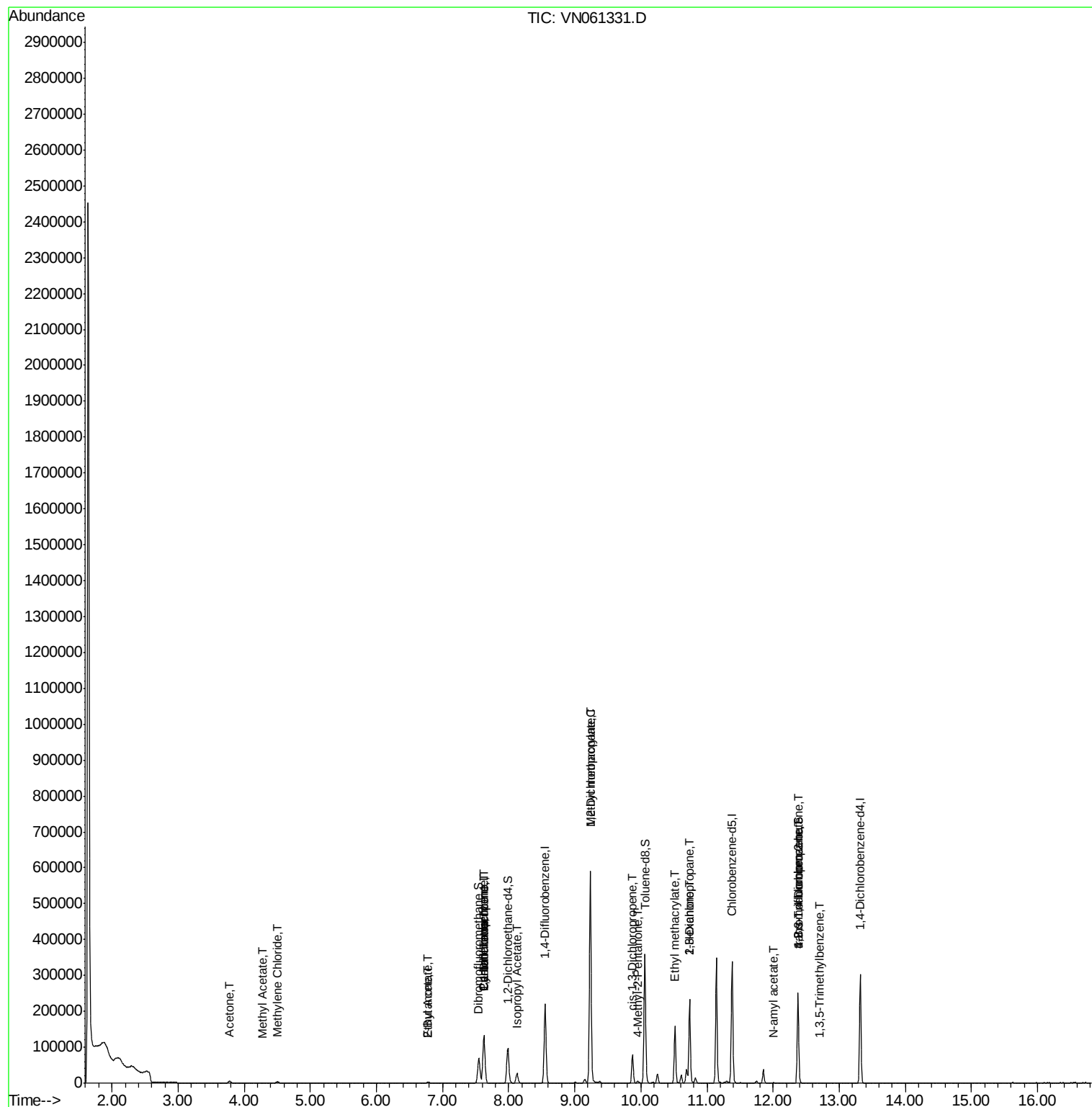
Target Compounds					Qvalue	
16) Acetone	3.78	43	8505	8.707	ug/l	99
18) Methyl Acetate	4.28	43	994	1.175	ug/l #	55
20) Methylene Chloride	4.50	84	2757	2.257	ug/l	96
25) 2-Butanone	6.79	43	1874	2.022	ug/l #	53
31) Cyclohexane	7.63	56	2610	1.145	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	9393	5.165	ug/l #	50
37) Ethyl Acetate	6.79	43	1874	0.879	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10781	8.487	ug/l #	17
43) Isopropyl Acetate	8.13	43	33284	9.408	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	539	0.372	ug/l #	44
48) Methyl methacrylate	9.24	41	57801	36.204	ug/l #	49
51) 4-Methyl-2-Pentanone	9.95	43	2892	1.389	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	12609	5.503	ug/l #	65
56) Ethyl methacrylate	10.52	69	641	2.994	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2220	0.970	ug/l #	43
59) 2-Hexanone	10.74	43	37160	24.527	ug/l #	51
74) N-amyl acetate	12.00	43	1414	0.514	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	47664	30.586	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	903	0.201	ug/l	81
81) trans-1,4-Dichloro-2-buten	12.38	75	47664	77.672	ug/l #	8

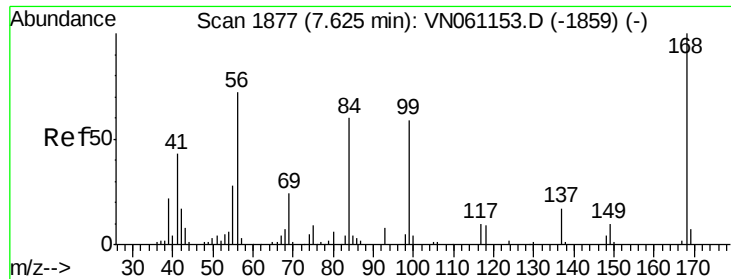
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
Data File : VN061331.D
Acq On : 7 May 2020 14:10
Operator : JC/MD
Sample : PB128697ZHE#05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 08 01:35:42 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

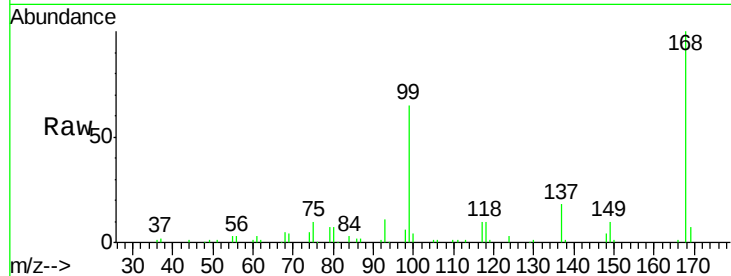
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 98992

Ion Ratio Lower Upper

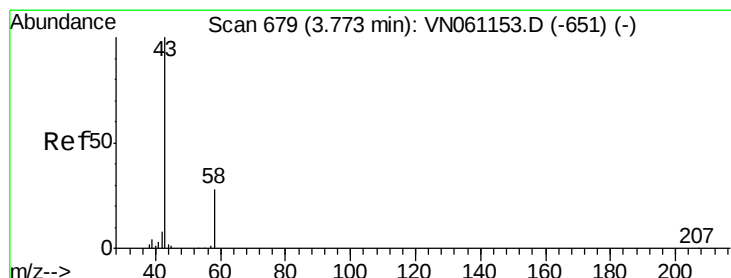
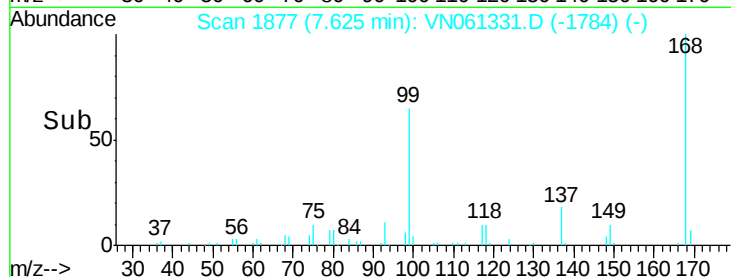
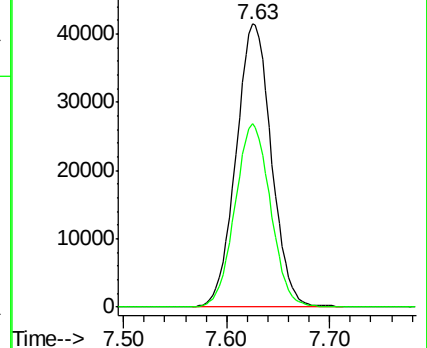
168 100

99 64.7 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: 8.707 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061331.D

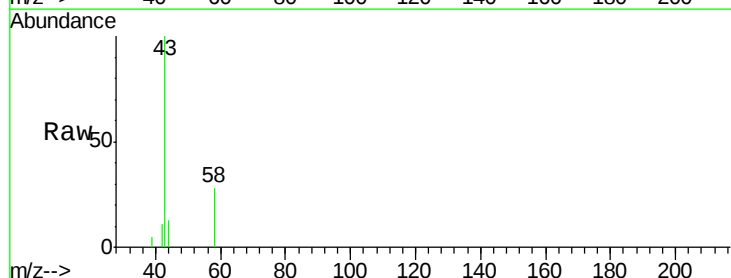
Acq: 7 May 2020 14:10

Tgt Ion: 43 Resp: 8505

Ion Ratio Lower Upper

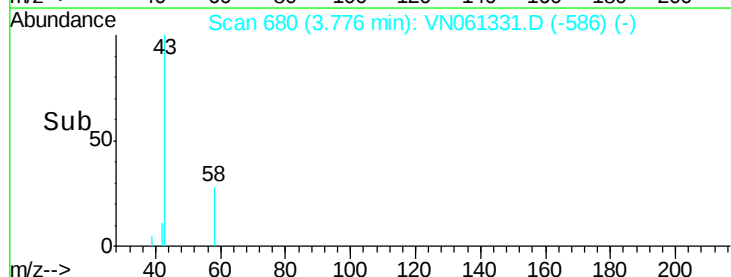
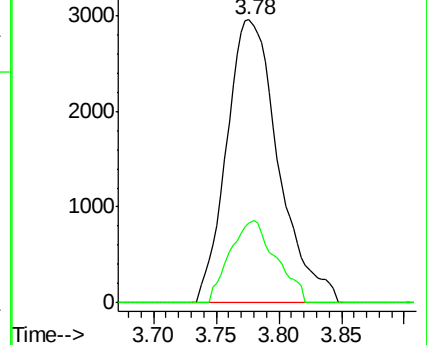
43 100

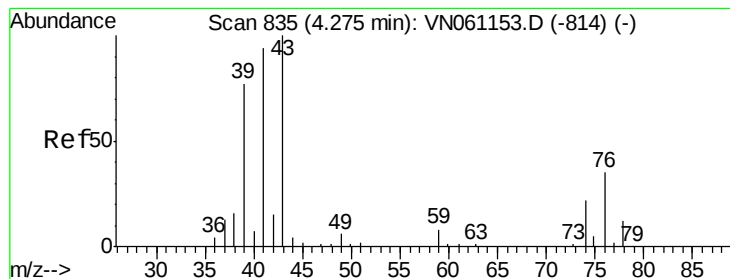
58 28.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methvl Acetate

Concen: 1.175 ug/l

RT: 4.28 min Scan# 837

Delta R.T. 0.01 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

Instrument :

MSVOA_N

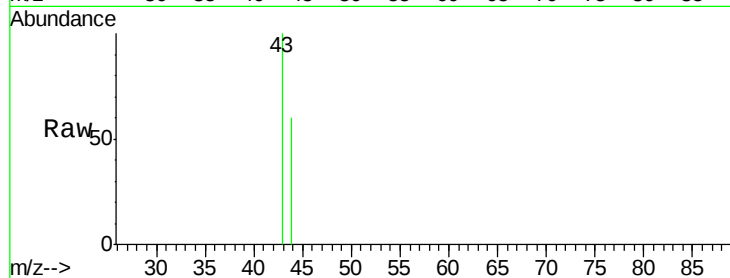
ClientSampleId :

Tot Ion: 43 Resp: 994

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

400

300

200

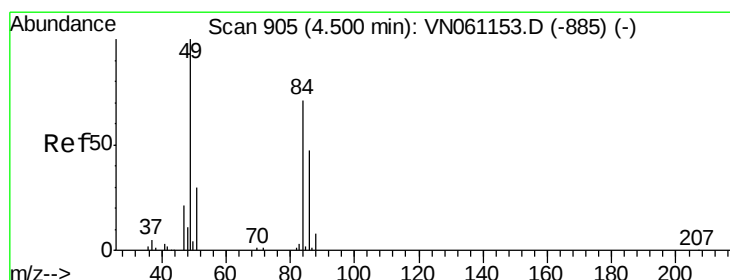
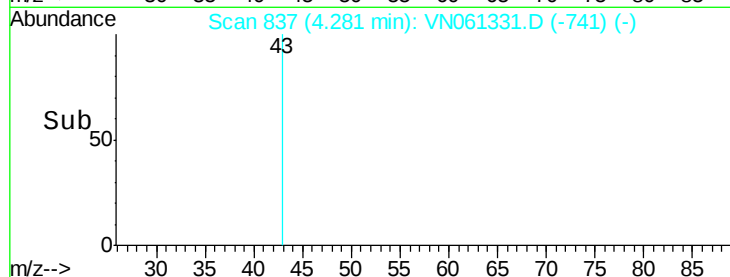
100

0

4.25

4.30

Time-->



#20

Methylene Chloride

Concen: 2.257 ug/l

RT: 4.50 min Scan# 906

Delta R.T. 0.00 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

Tgt Ion: 84 Resp: 2757

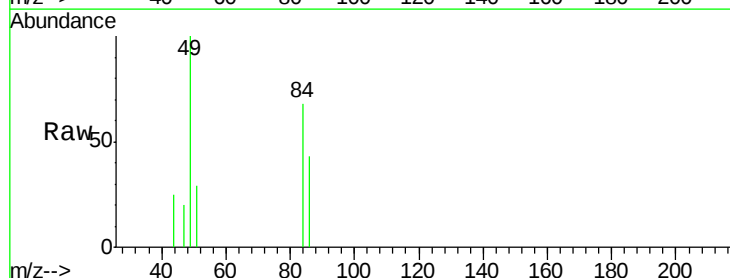
Ion Ratio Lower Upper

84 100

49 146.3 112.0 168.0

51 42.8 33.6 50.4

86 62.4 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

2000

1500

1000

500

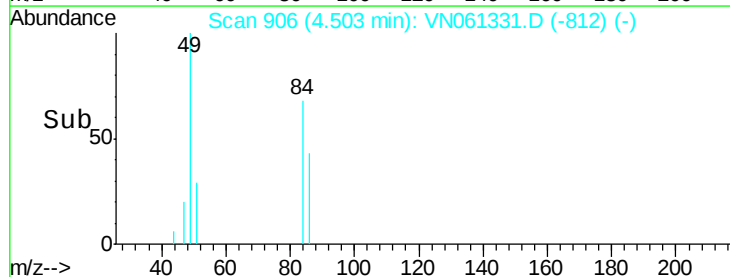
0

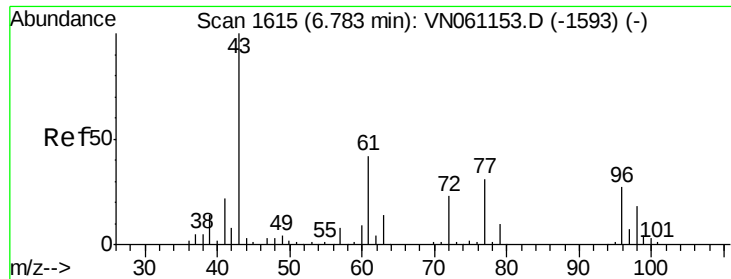
4.45

4.50

4.55

Time-->





#25

2-Butanone

Concen: 2.022 ug/l

RT: 6.79 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

Instrument :

MSVOA_N

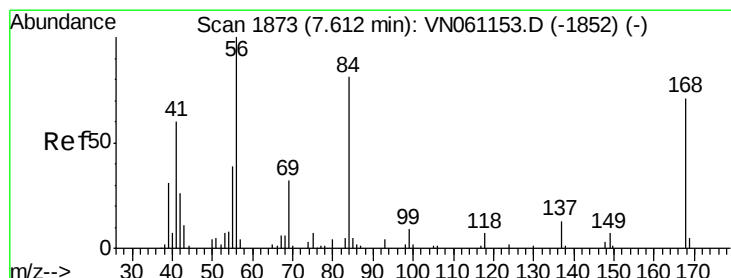
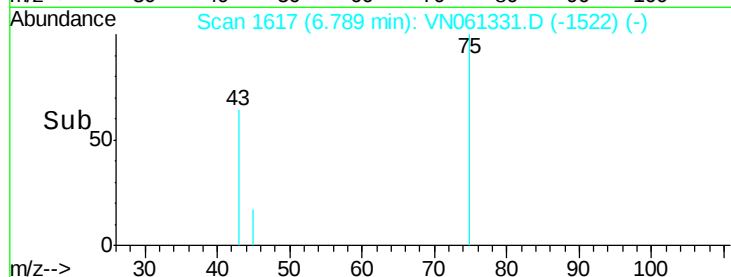
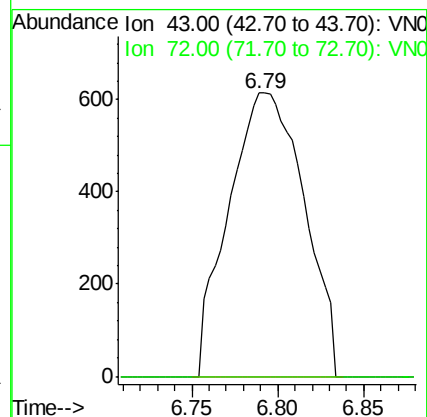
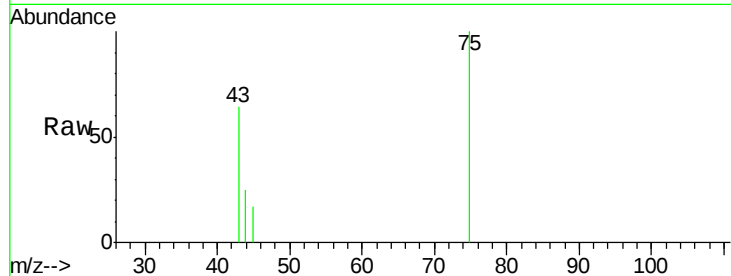
ClientSampleId :

Tot Ion: 43 Resp: 1874

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

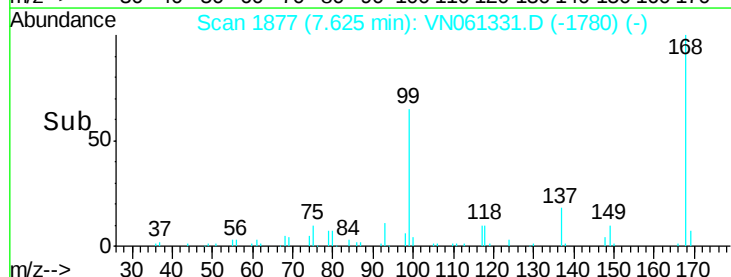
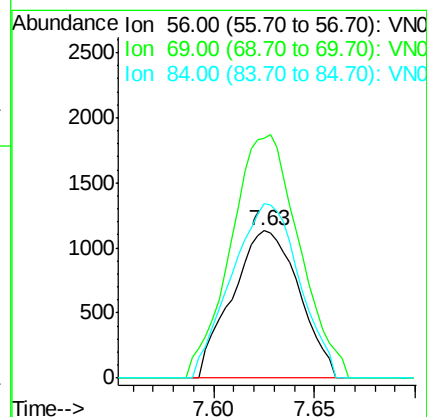
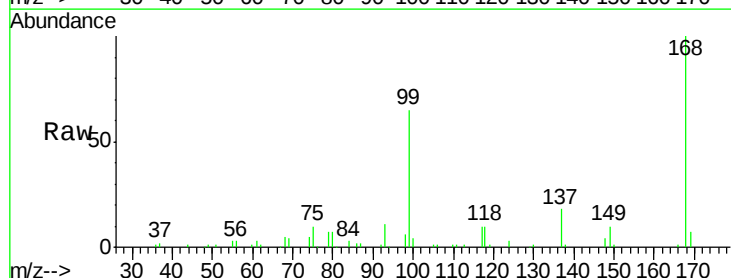
Tgt Ion: 56 Resp: 2610

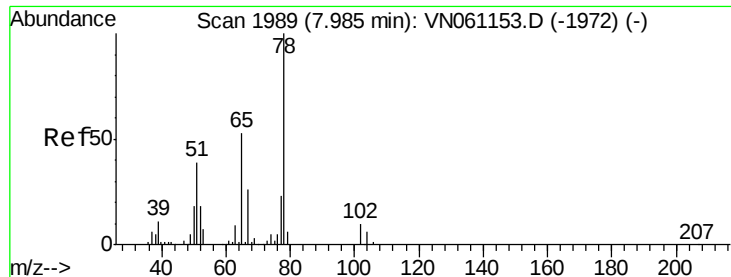
Ion Ratio Lower Upper

56 100

69 149.5 25.7 38.5#

84 118.4 64.6 97.0#

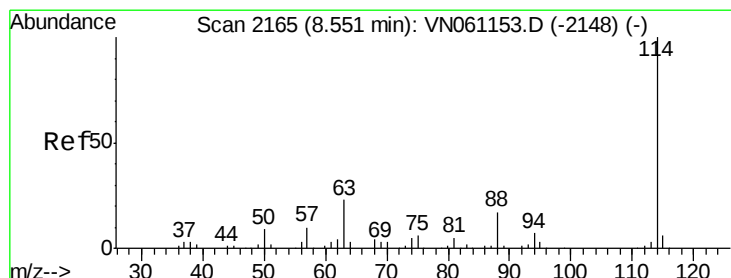
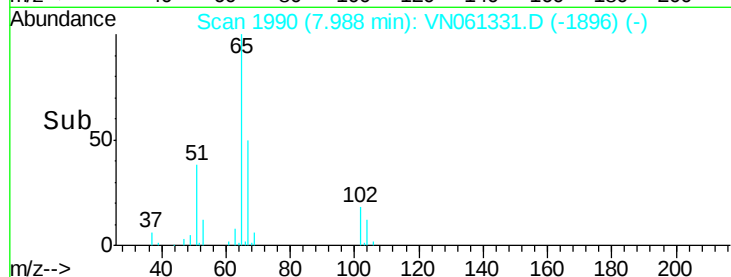
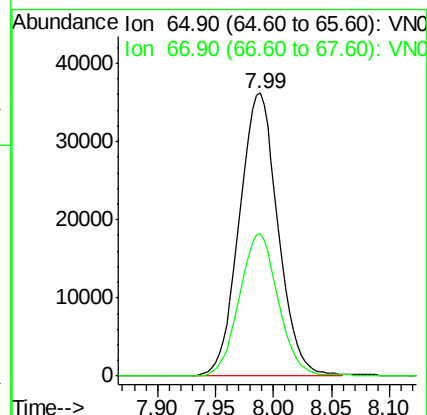
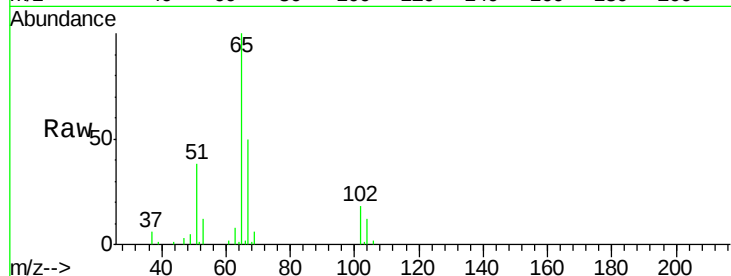




#33
 1,2-Dichloroethane-d4
 Concen: 53.675 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061331.D
 Acq: 7 May 2020 14:10

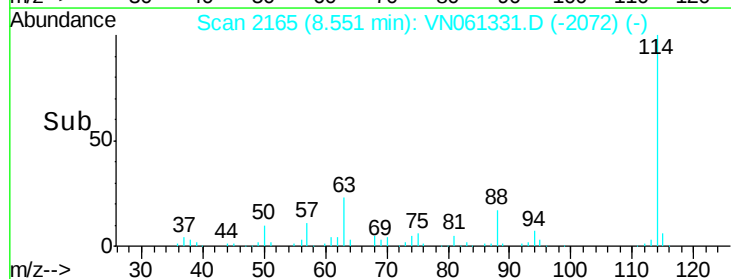
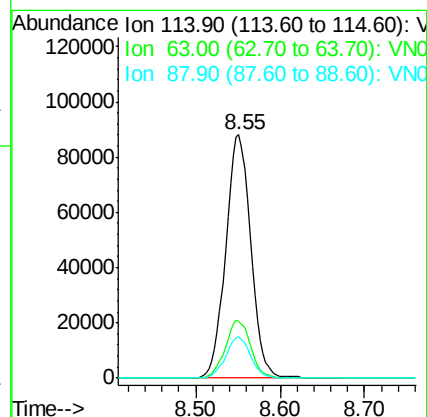
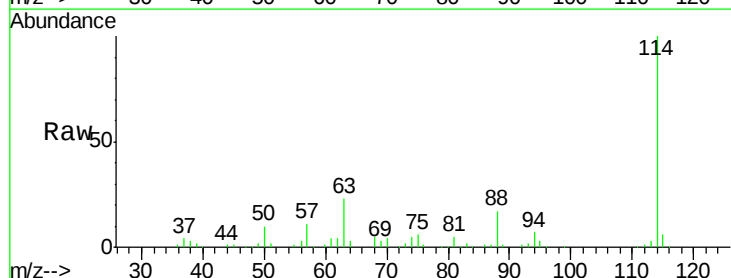
Instrument :
 MSVOA_N
 ClientSampleId :

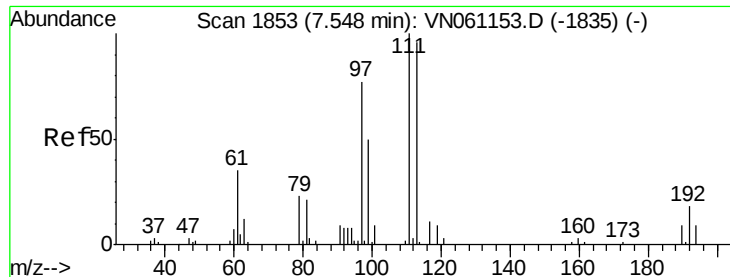
Tot Ion: 65 Resp: 84075
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061331.D
 Acq: 7 May 2020 14:10

Tgt Ion: 114 Resp: 181653
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.6
 88 16.7 0.0 33.4

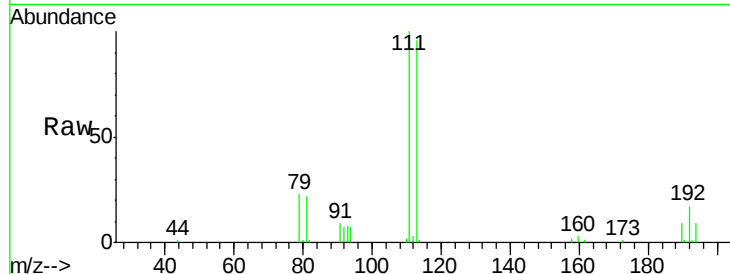




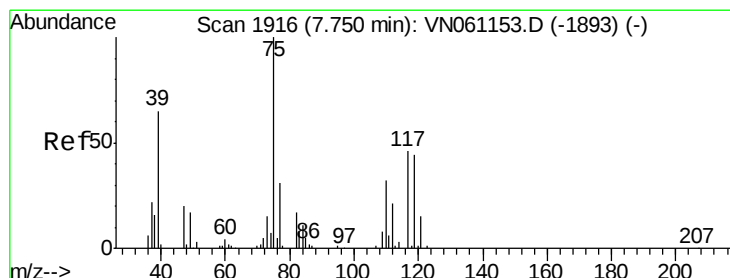
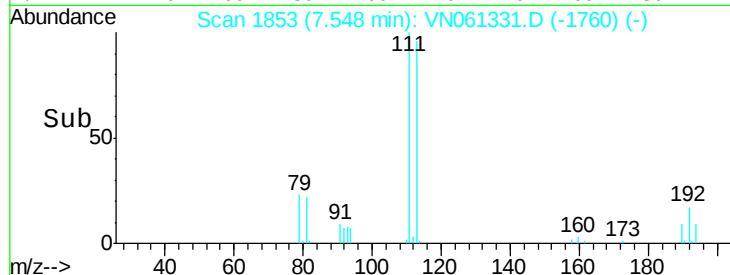
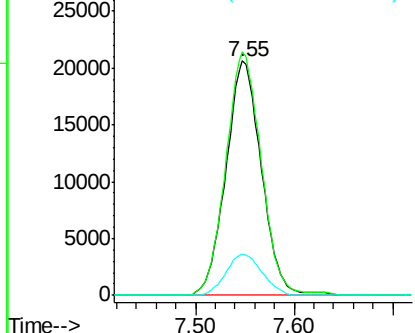
#35
 Dibromofluoromethane
 Concen: 48.133 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061331.D
 Acq: 7 May 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 51702
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 17.9 14.7 22.1

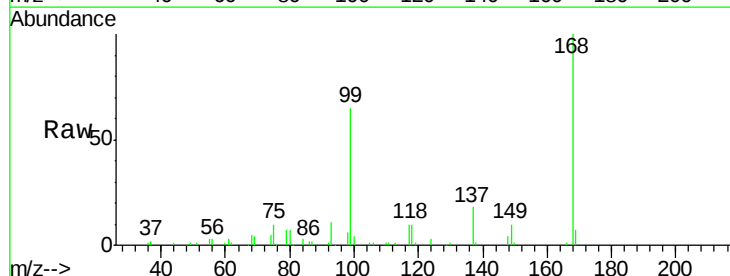


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

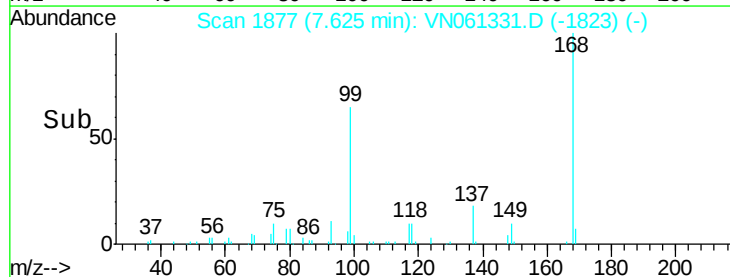
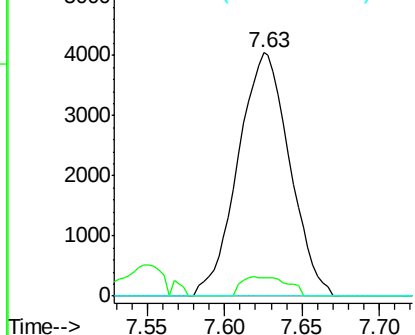


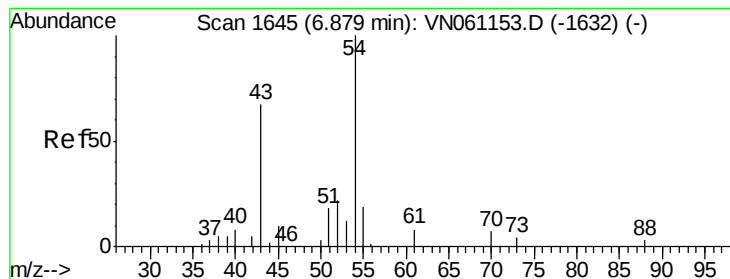
#36
 1,1-Dichloropropene
 Concen: 5.165 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061331.D
 Acq: 7 May 2020 14:10

Tgt Ion: 75 Resp: 9393
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.0 48.0#
 77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 0.879 ug/l

RT: 6.79 min Scan# 1617

Delta R.T. -0.09 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

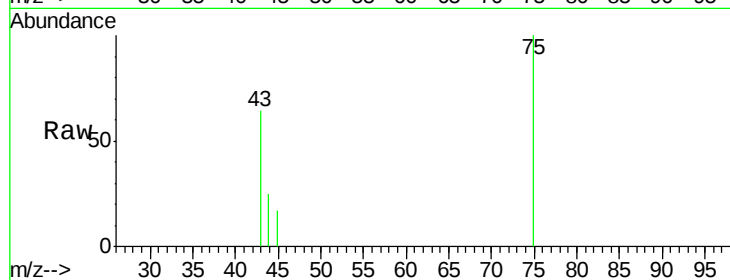
Tot Ion: 43 Resp: 1874

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

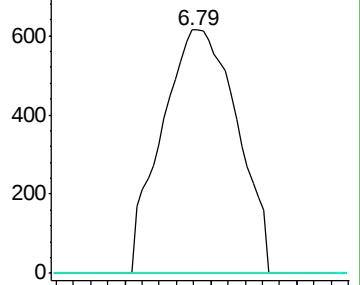
70 0.0 7.2 10.8#



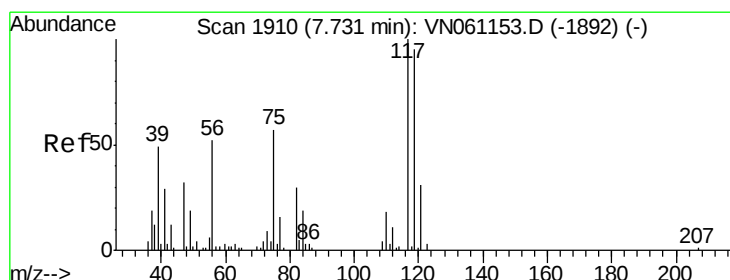
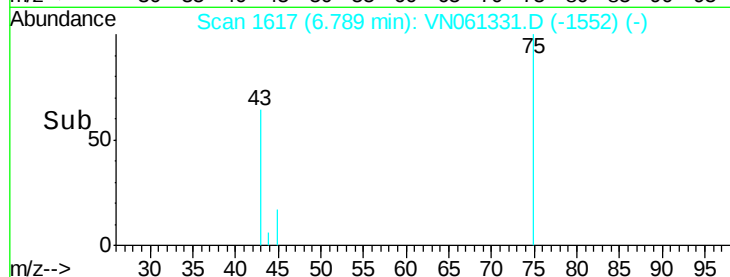
Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1632) (-)

Ion 70.00 (69.70 to 70.70): VN061153.D (-1632) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 8.487 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.10 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

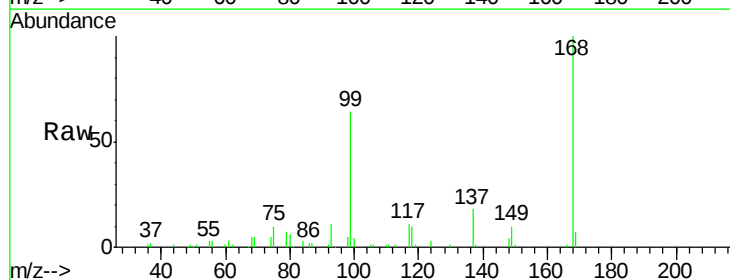
Tgt Ion: 117 Resp: 10781

Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

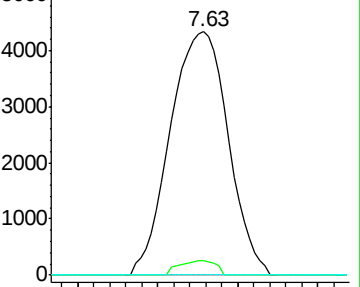
121 0.0 24.7 37.1#



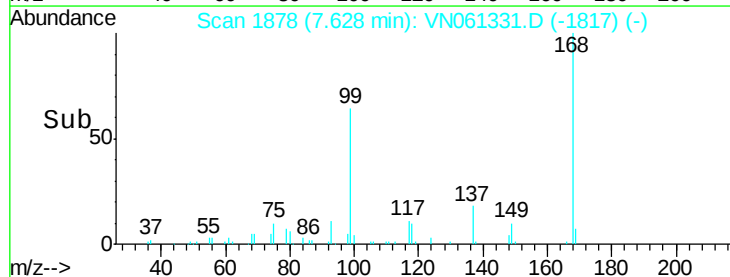
Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)

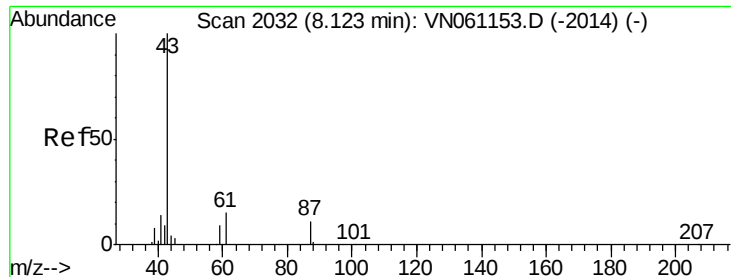
Ion 118.80 (118.50 to 119.50): VN061153.D (-1892) (-)

Ion 120.80 (120.50 to 121.50): VN061153.D (-1892) (-)



Time-->





#43

Isopropyl Acetate

Concen: 9.408 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

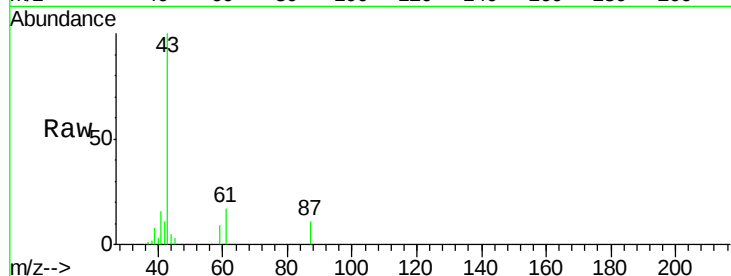
Tot Ion: 43 Resp: 33284

Ion Ratio Lower Upper

43 100

61 17.7 19.5 29.3#

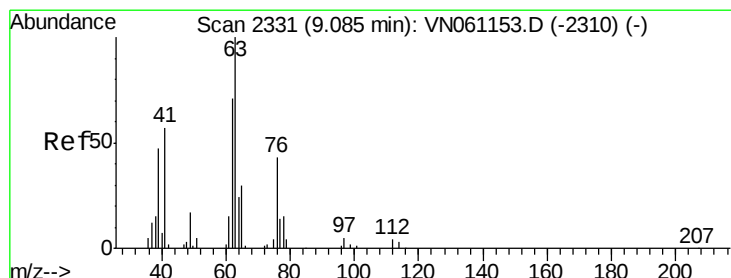
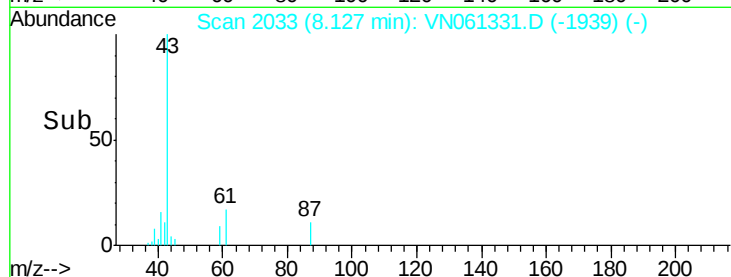
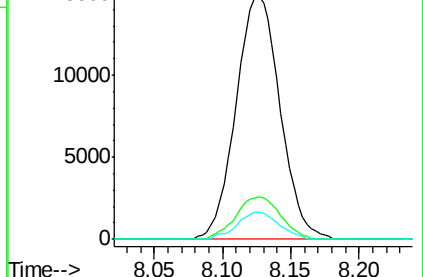
87 10.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#45

1,2-Dichloropropane

Concen: 0.372 ug/l

RT: 9.23 min Scan# 2376

Delta R.T. 0.14 min

Lab File: VN061331.D

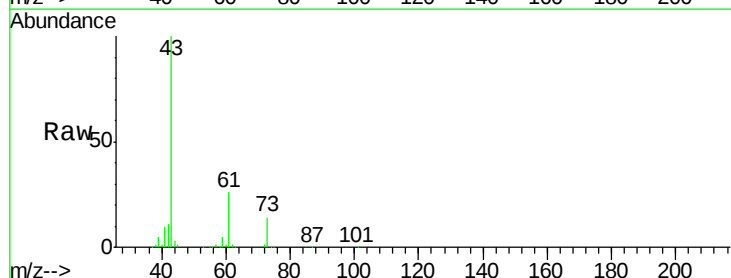
Acq: 7 May 2020 14:10

Tgt Ion: 63 Resp: 539

Ion Ratio Lower Upper

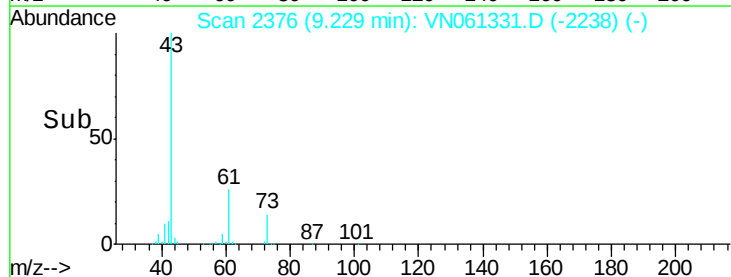
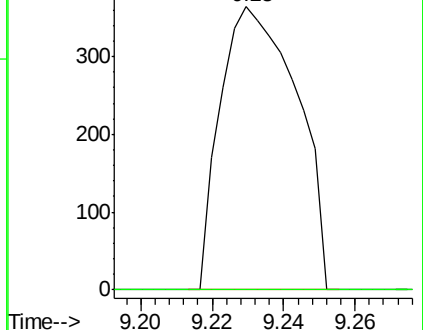
63 100

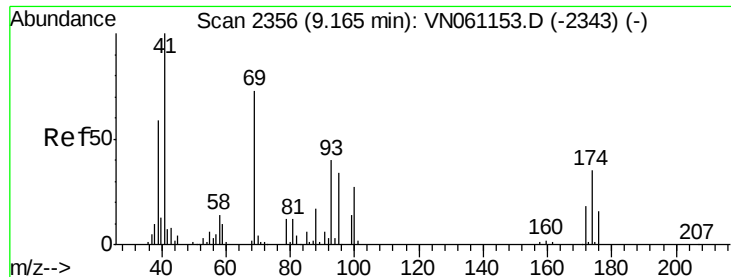
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-2310) (-)

Ion 64.90 (64.60 to 65.60): VN061153.D (-2310) (-)

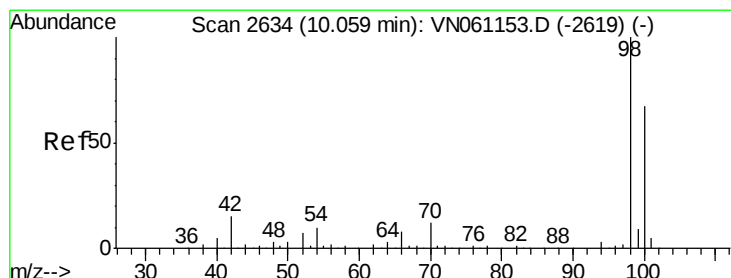
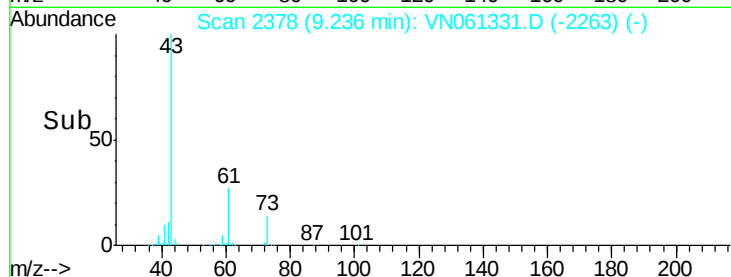
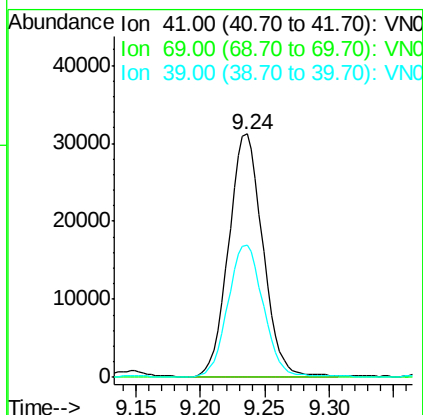
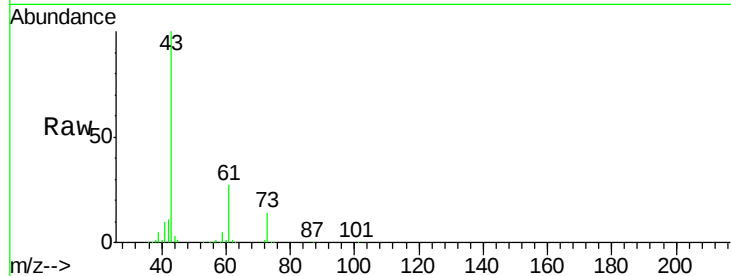




#48
Methvl methacrylate
Concen: 36.204 ug/l
RT: 9.24 min Scan# 2378
Delta R.T. 0.07 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

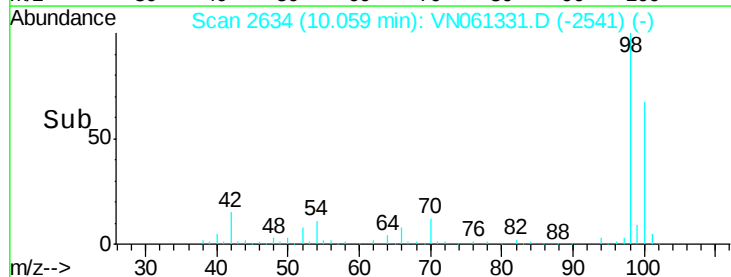
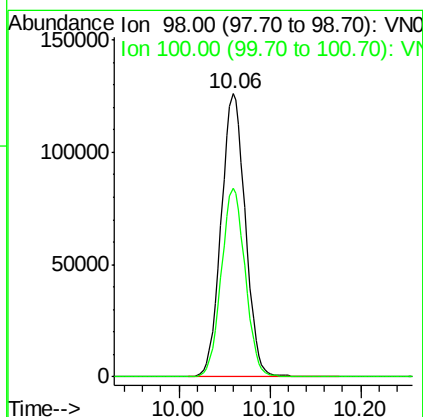
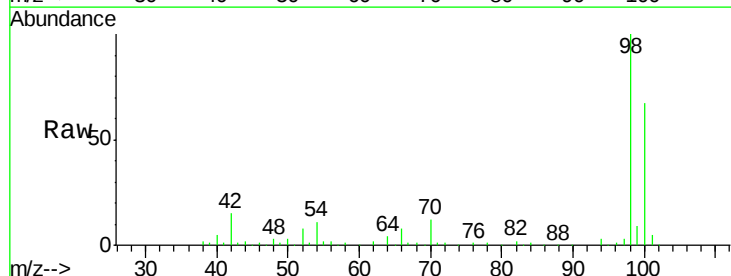
Instrument :
MSVOA_N
ClientSampled :

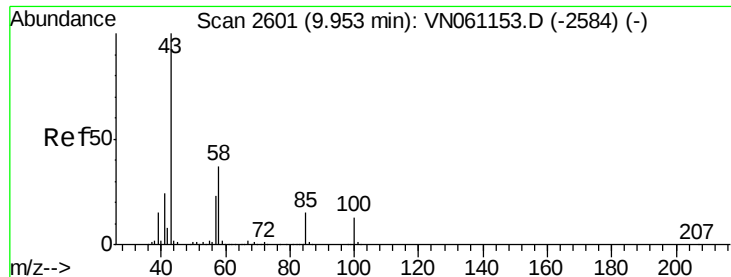
Tot Ion: 41 Resp: 57801
Ion Ratio Lower Upper
41 100
69 0.0 60.3 90.5#
39 56.1 47.4 71.0



#50
Toluene-d8
Concen: 53.176 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

Tgt Ion: 98 Resp: 232850
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0

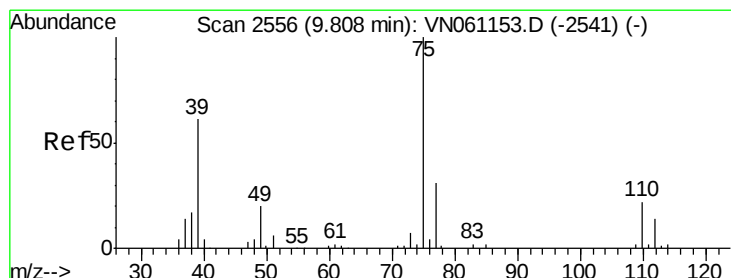
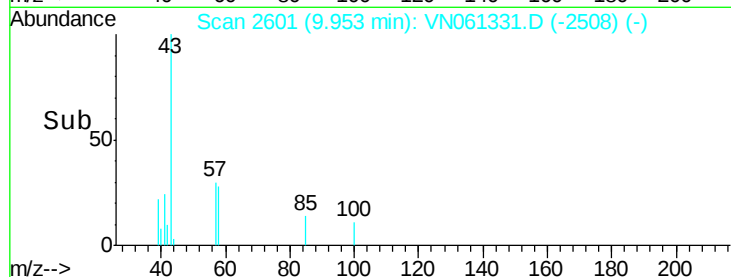
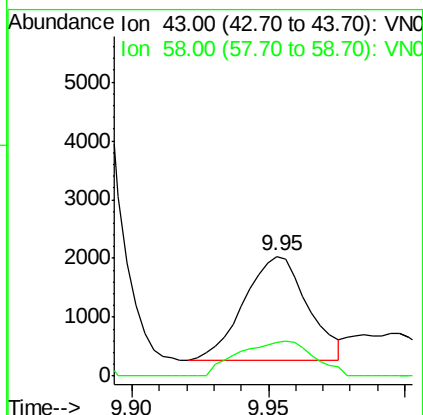
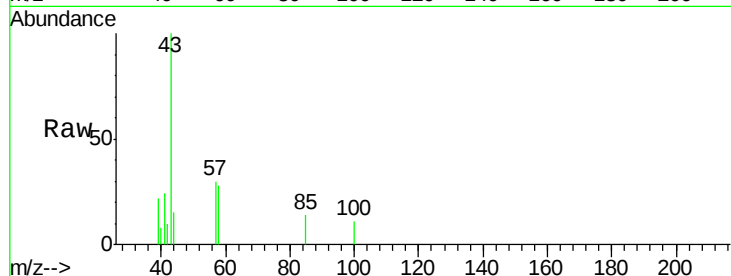




#51
4-Methyl-2-Pentanone
Concen: 1.389 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

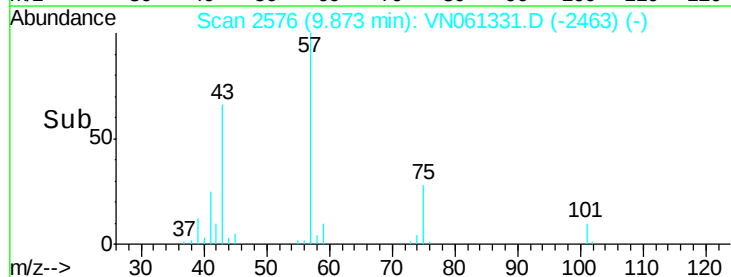
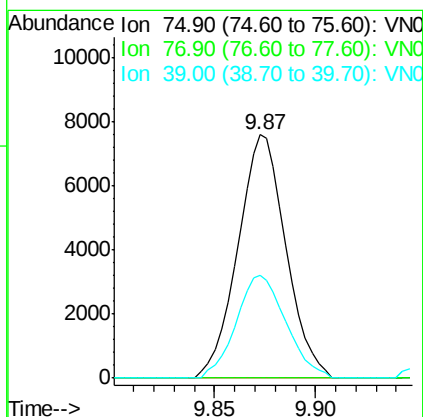
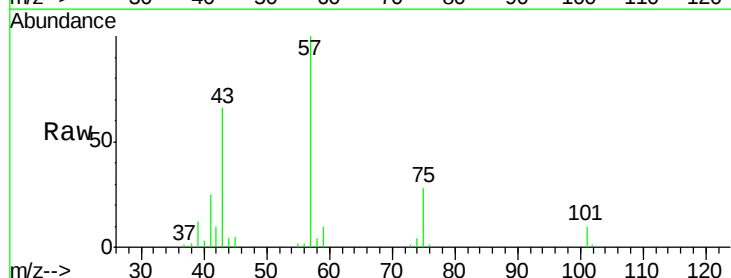
Instrument :
MSVOA_N
ClientSampled :

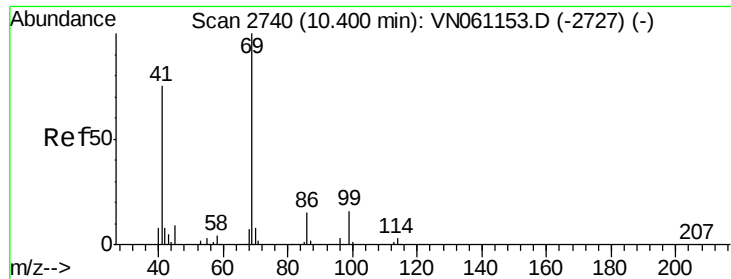
Tot Ion: 43 Resp: 2892
Ion Ratio Lower Upper
43 100
58 39.6 29.1 43.7



#54
cis-1,3-Dichloropropene
Concen: 5.503 ug/l
RT: 9.87 min Scan# 2576
Delta R.T. 0.06 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

Tgt Ion: 75 Resp: 12609
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 42.4 48.7 73.1#





#56

Ethyl methacrylate

Concen: 2.994 ug/l

RT: 10.52 min Scan# 2776

Delta R.T. 0.12 min

Lab File: VN061331.D

Acq: 7 May 2020 14:10

Instrument :

MSVOA_N

ClientSampled :

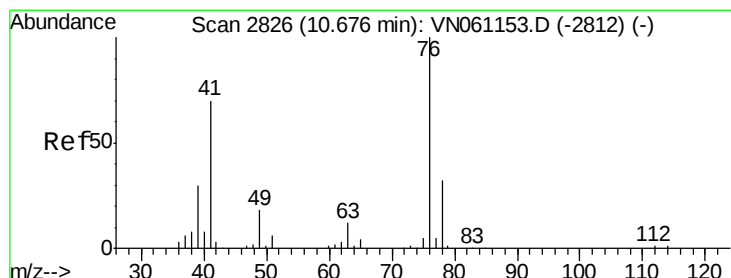
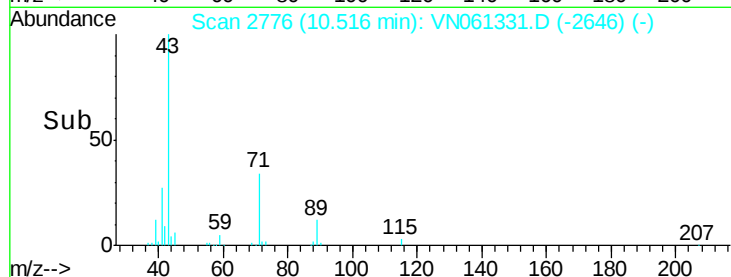
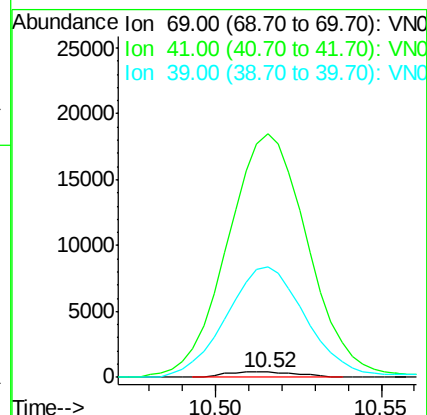
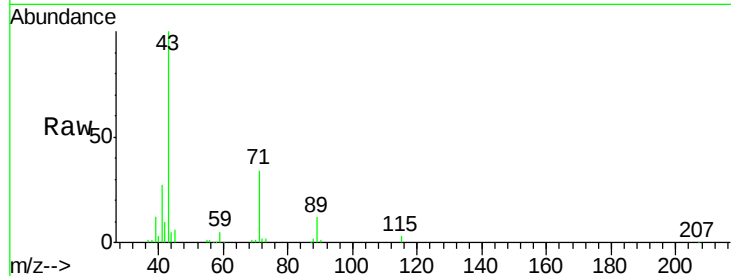
Tot Ion: 69 Resp: 641

Ion Ratio Lower Upper

69 100

41 4882.8 60.3 90.5#

39 2203.9 35.9 53.9#



#57

1,3-Dichloropropane

Concen: 0.970 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.06 min

Lab File: VN061331.D

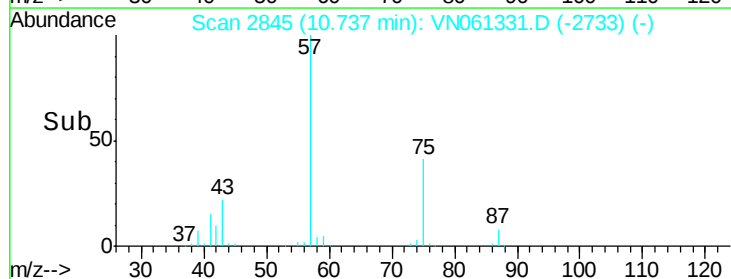
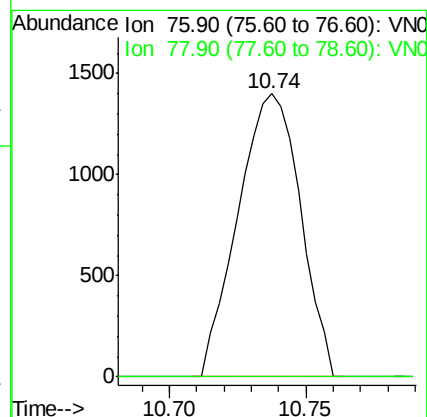
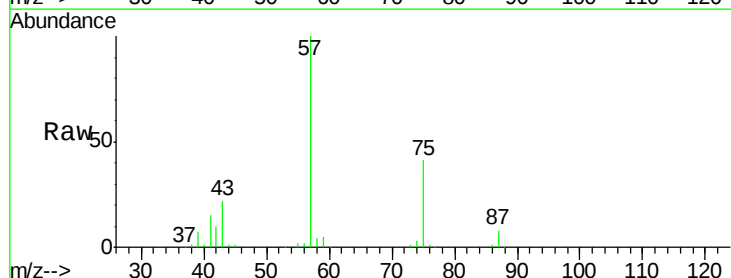
Acq: 7 May 2020 14:10

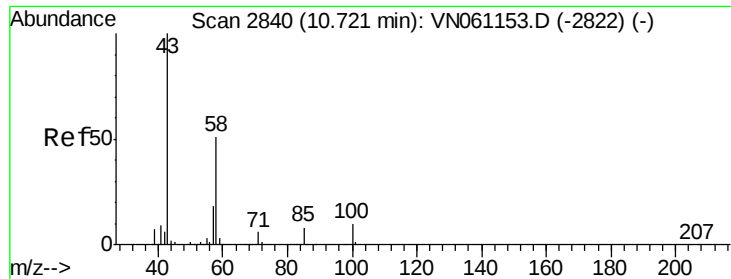
Tgt Ion: 76 Resp: 2220

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

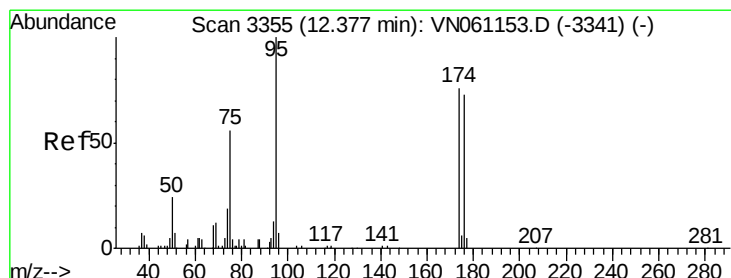
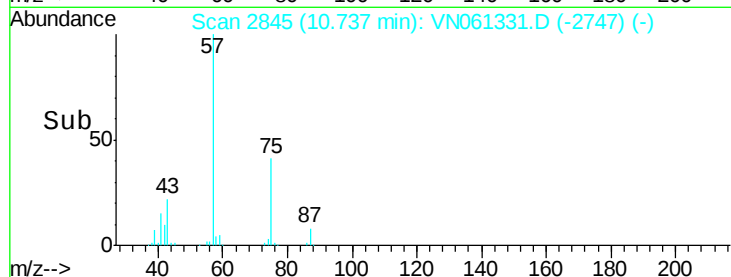
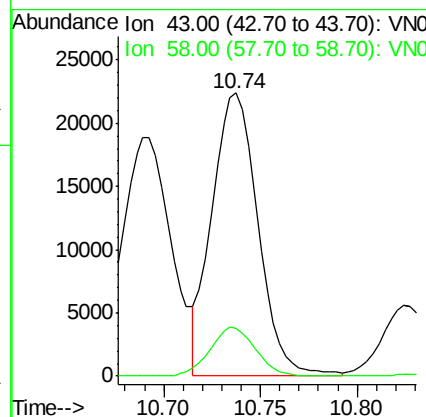
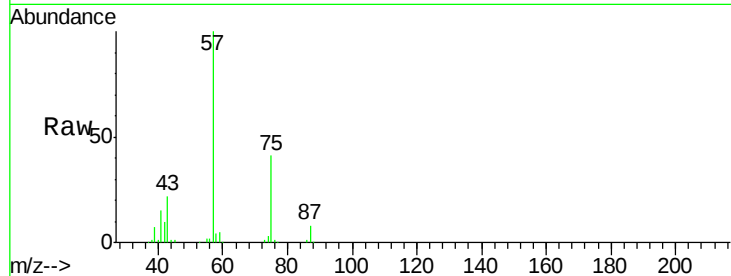




#59
2-Hexanone
Concen: 24.527 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.02 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

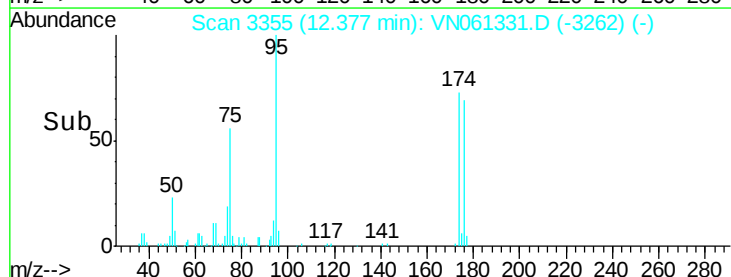
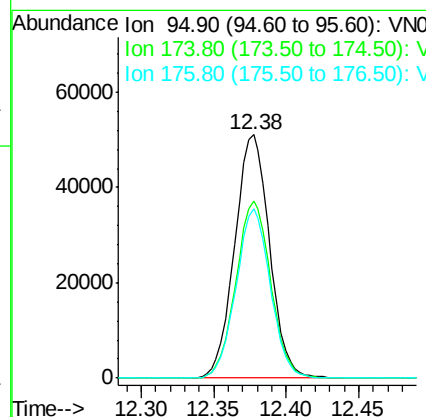
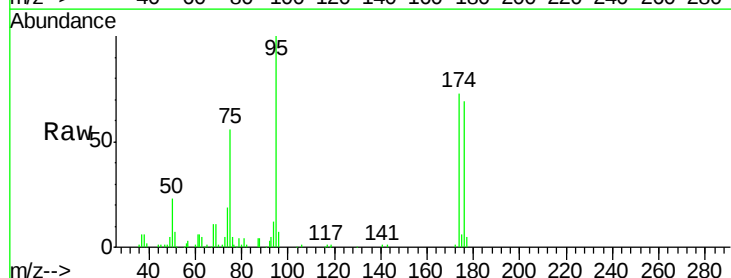
Instrument :
MSVOA_N
ClientSampled :

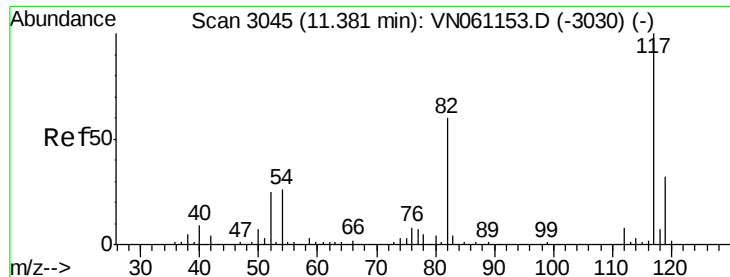
Tot Ion: 43 Resp: 37160
Ion Ratio Lower Upper
43 100
58 17.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 51.649 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

Tgt Ion: 95 Resp: 85108
Ion Ratio Lower Upper
95 100
174 72.7 0.0 149.4
176 68.4 0.0 144.8

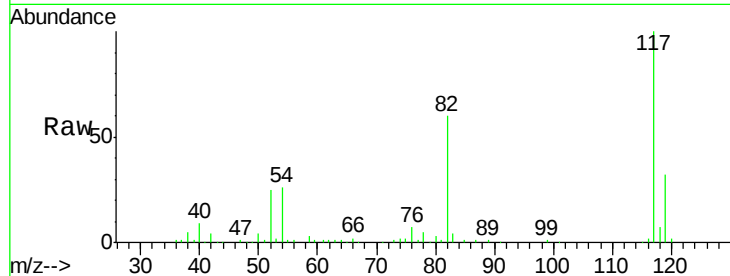




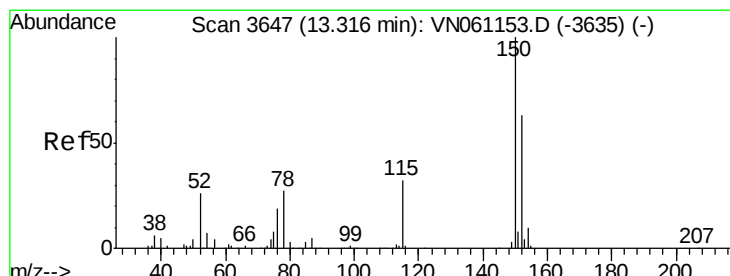
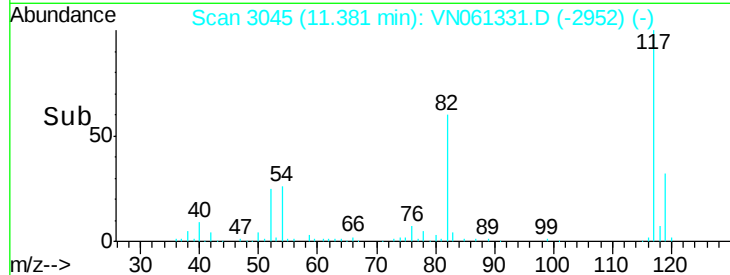
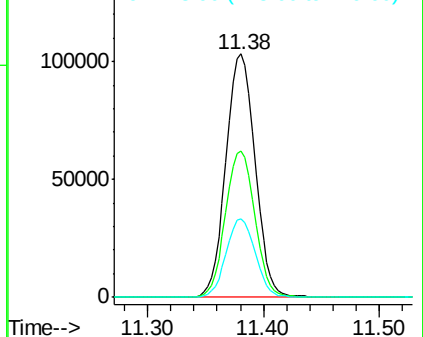
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 179991
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 32.3 25.8 38.6

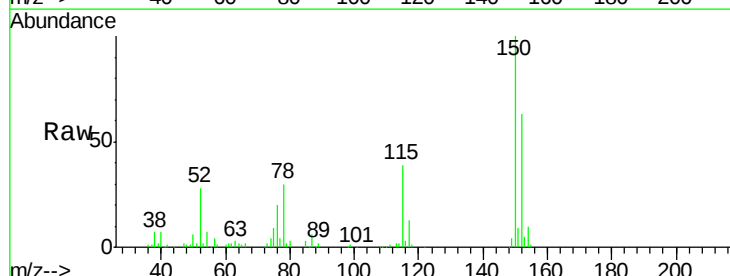


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

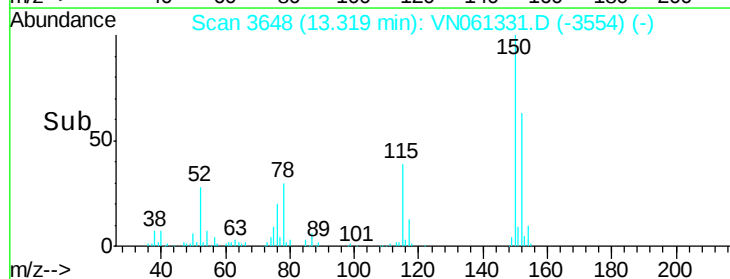
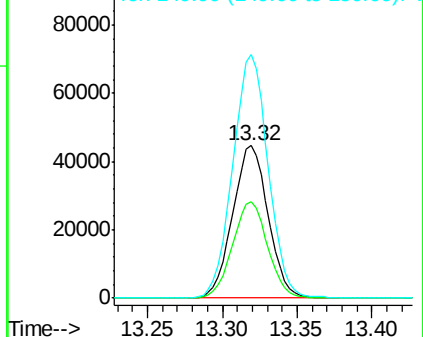


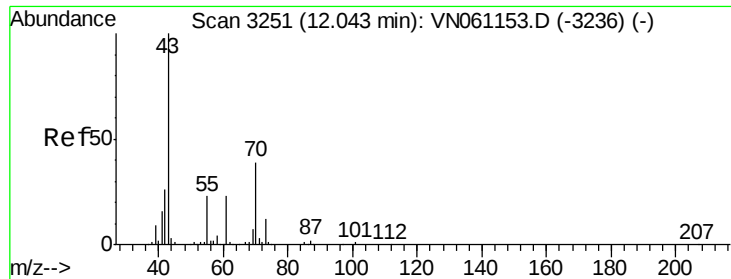
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

Tgt Ion:152 Resp: 73917
Ion Ratio Lower Upper
152 100
115 62.3 31.0 93.0
150 158.7 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

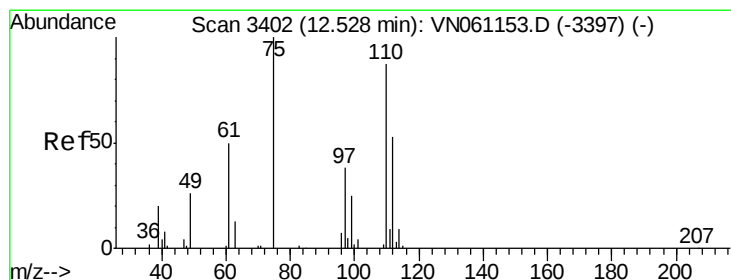
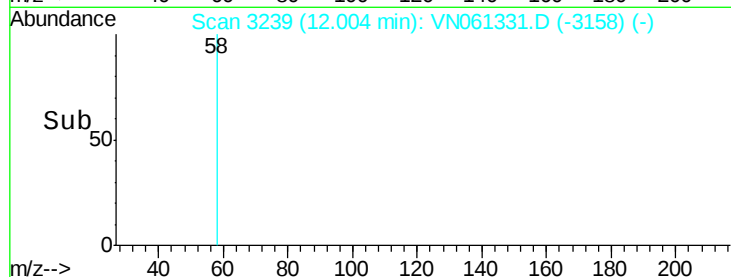
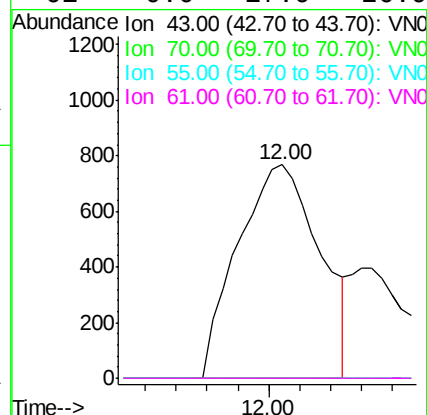
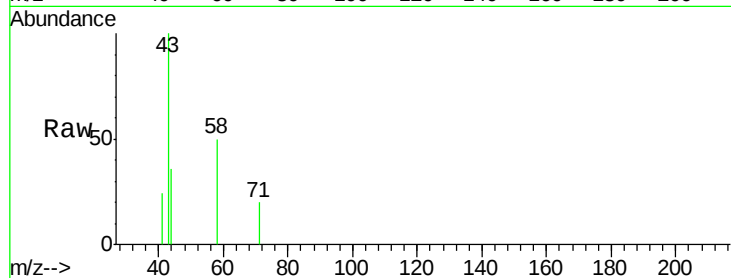




#74
N-amyl acetate
Concen: 0.514 ug/l
RT: 12.00 min Scan# 3239
Delta R.T. -0.04 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

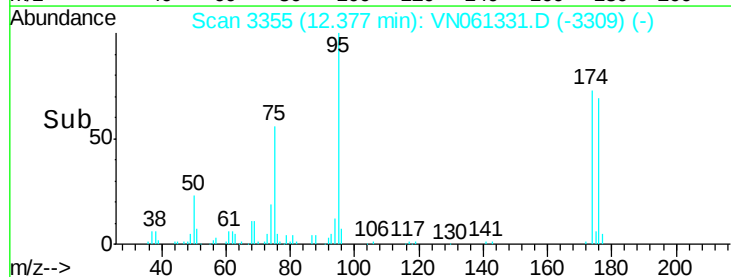
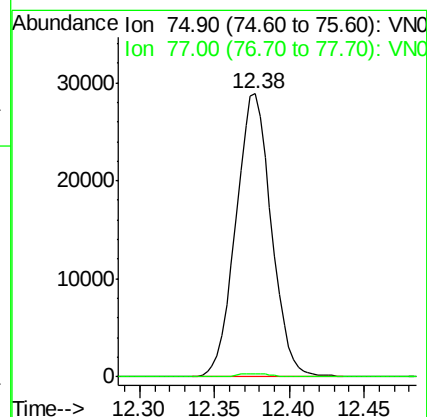
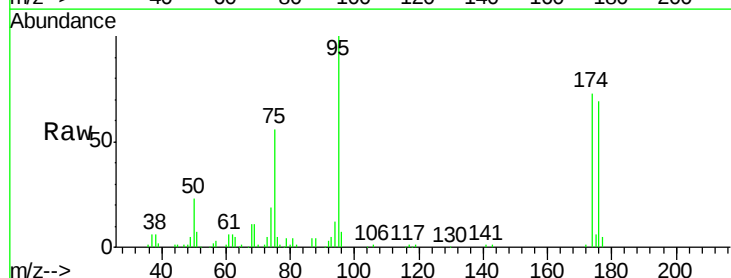
Instrument :
MSVOA_N
ClientSampled :

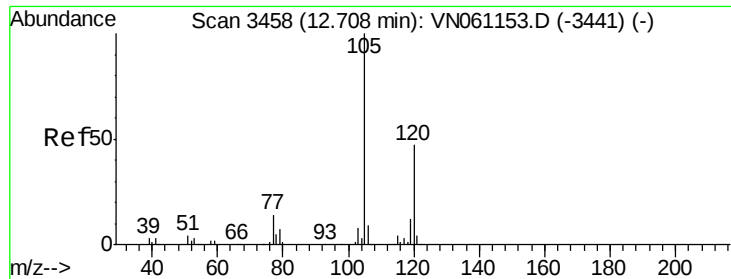
Tot Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
70 0.0 30.6 46.0#
55 0.0 18.5 27.7#
61 0.0 17.9 26.9#



#76
1,2,3-Trichloropropane
Concen: 30.586 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. -0.15 min
Lab File: VN061331.D
Acq: 7 May 2020 14:10

Tgt Ion: 75 Resp: 47664
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

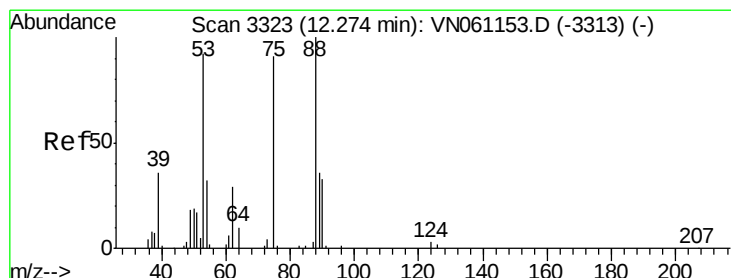
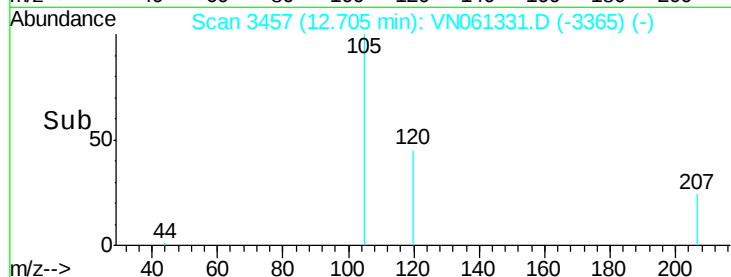
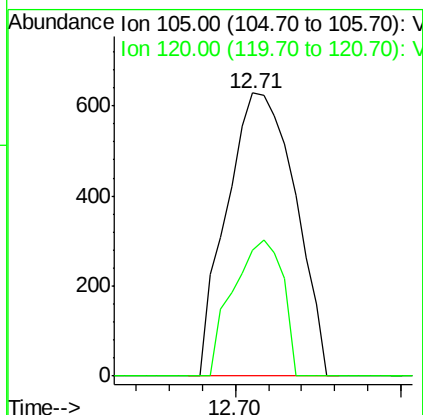
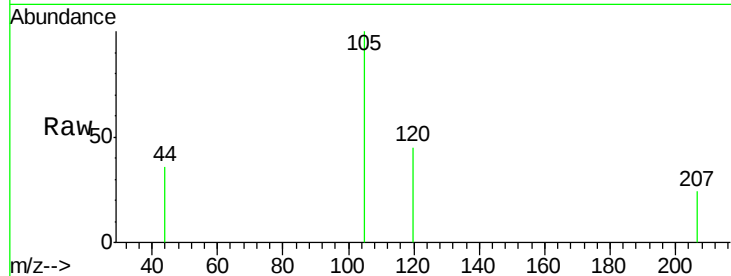




#80
 1,3,5-Trimethylbenzene
 Concen: 0.201 ug/l
 RT: 12.71 min Scan# 3457
 Delta R.T. -0.00 min
 Lab File: VN061331.D
 Acq: 7 May 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 903
 Ion Ratio Lower Upper
 105 100
 120 34.9 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.672 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061331.D
 Acq: 7 May 2020 14:10

Tgt Ion: 75 Resp: 47664
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

