

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061336.D
 Acq On : 7 May 2020 16:06
 Operator : JC/MD
 Sample : L2530-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 02:28:28 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	100830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	184487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85851	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.55	113	54840	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.06	98	238665	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.38	95	87733	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

Target Compounds

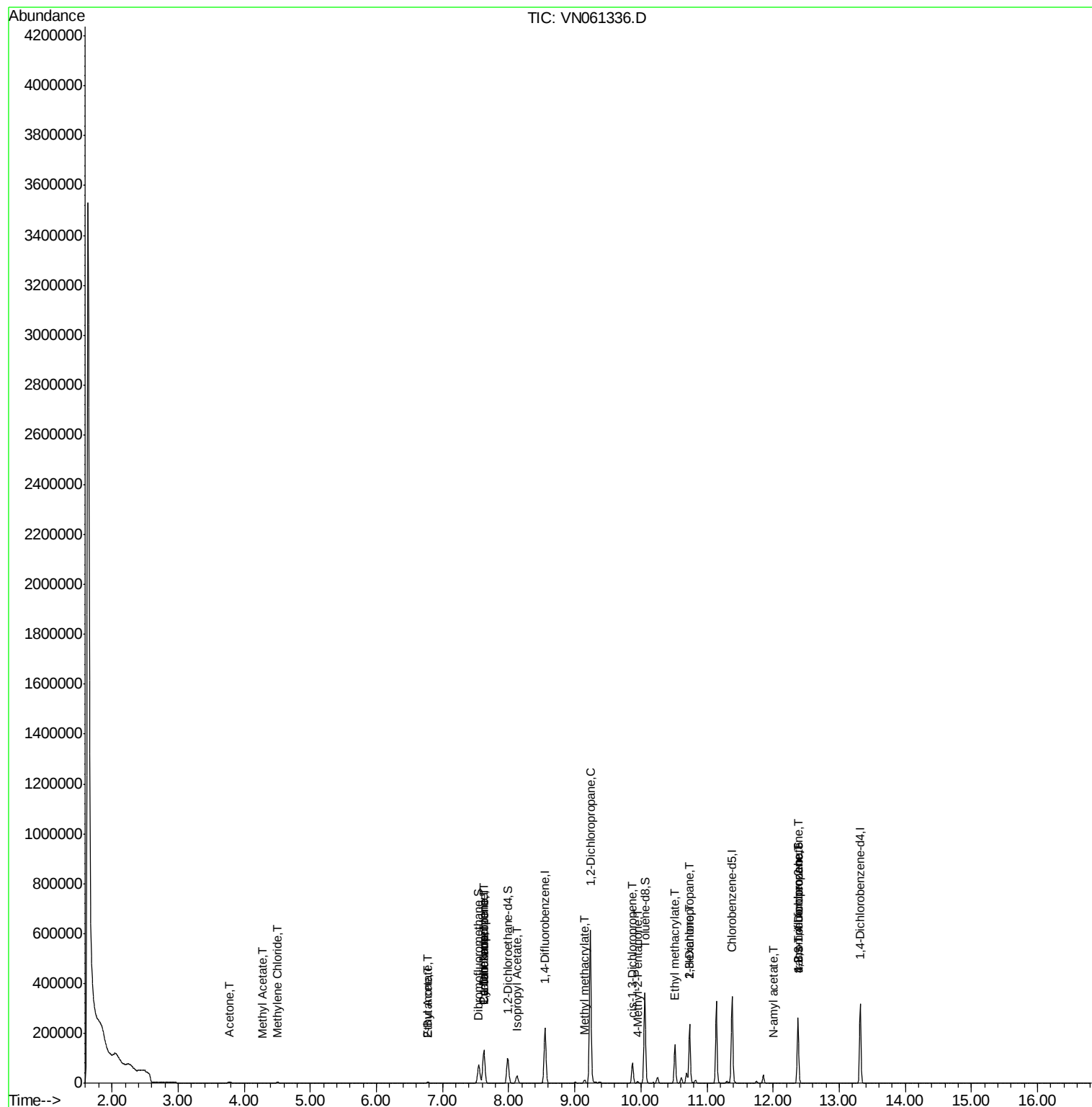
						Qvalue
16) Acetone	3.78	43	10436	11.646	ug/l	97
18) Methyl Acetate	4.28	43	1412	1.371	ug/l #	55
20) Methylene Chloride	4.51	84	1895	1.523	ug/l	93
25) 2-Butanone	6.78	43	1716	1.818	ug/l #	53
31) Cyclohexane	7.63	56	2662	1.147	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	9077	4.915	ug/l #	50
37) Ethyl Acetate	6.78	43	1716	0.793	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10931	8.477	ug/l #	17
43) Isopropyl Acetate	8.13	43	35945	10.004	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	640	0.435	ug/l #	44
48) Methyl methacrylate	9.14	41	1858	1.146	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	3880	1.835	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	13155	5.653	ug/l #	64
56) Ethyl methacrylate	10.51	69	546	2.951	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2176	0.937	ug/l #	43
59) 2-Hexanone	10.74	43	37100	24.111	ug/l #	52
74) N-amyl acetate	12.00	43	2079	0.715	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	48320	29.348	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48320	74.528	ug/l #	8

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
Data File : VN061336.D
Acq On : 7 May 2020 16:06
Operator : JC/MD
Sample : L2530-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 08 02:28:28 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: VN061336.D

Acq: 7 May 2020 16:06

Instrument :

MSVOA_N

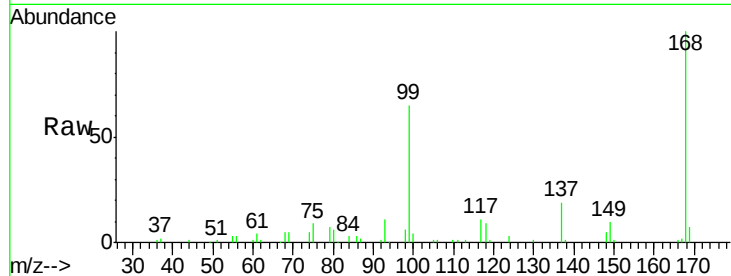
ClientSampleId :

Tot Ion:168 Resp: 100830

Ion Ratio Lower Upper

168 100

99 65.2 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

40000

30000

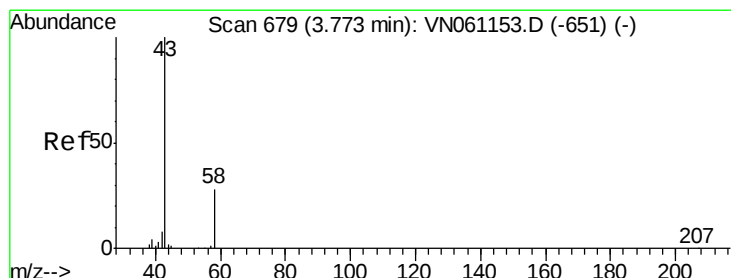
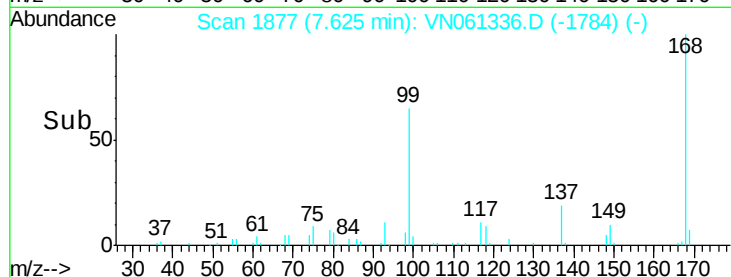
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 11.646 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061336.D

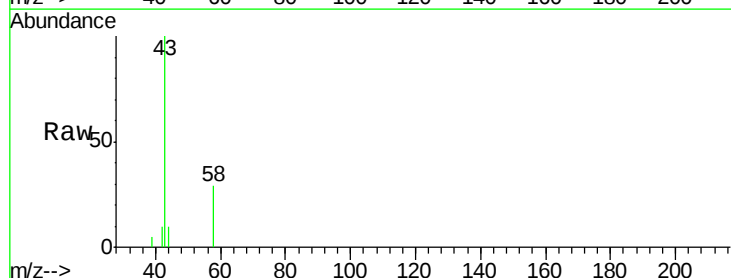
Acq: 7 May 2020 16:06

Tgt Ion: 43 Resp: 10436

Ion Ratio Lower Upper

43 100

58 29.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

4000

3000

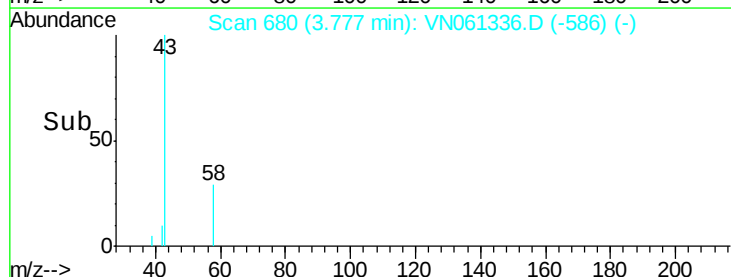
2000

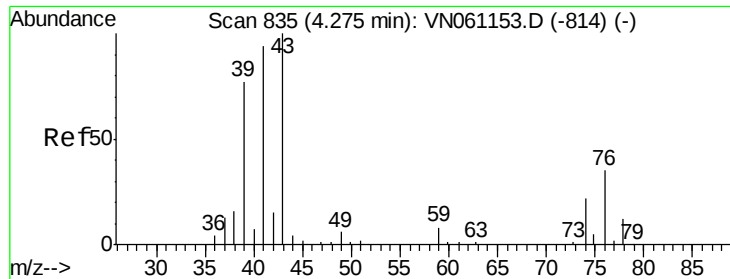
1000

0

3.70 3.80 3.90

Time-->

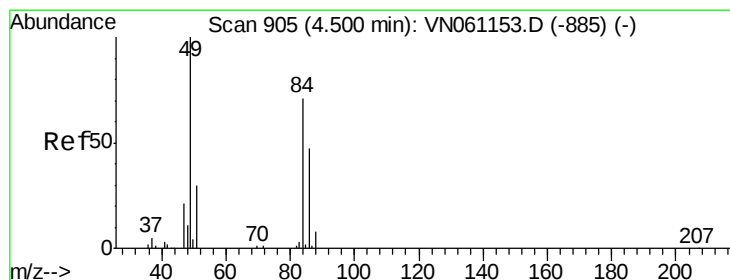
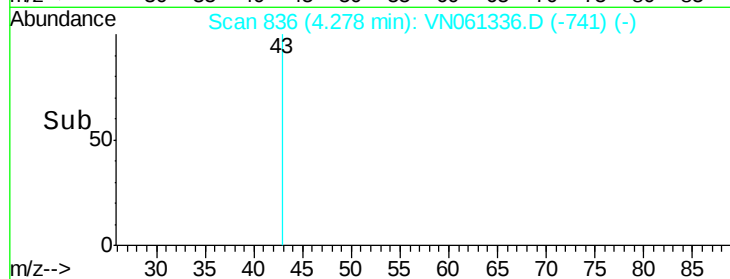
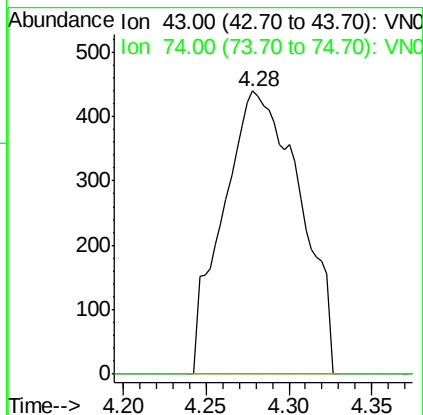
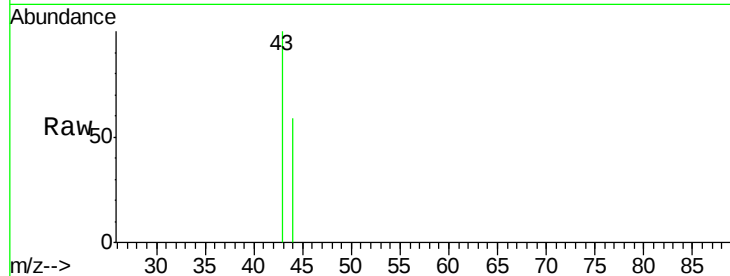




#18
Methvl Acetate
Concen: 1.371 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

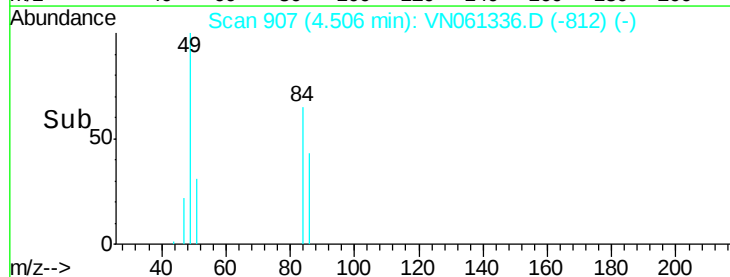
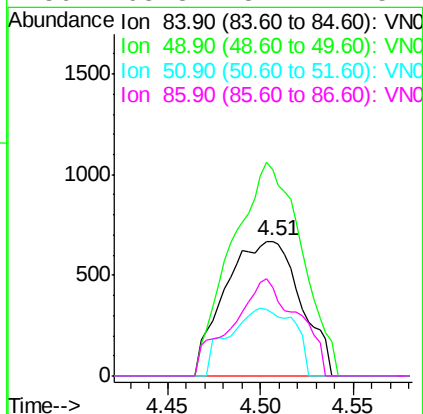
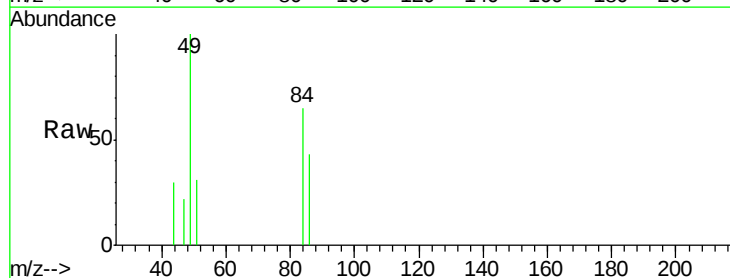
Instrument :
MSVOA_N
ClientSampled :

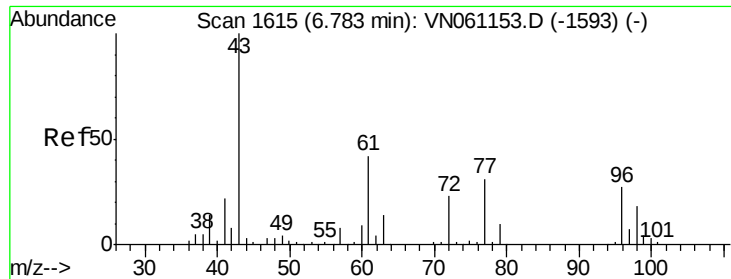
Tot Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 1.523 ug/l
RT: 4.51 min Scan# 907
Delta R.T. 0.01 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

Tgt Ion: 84 Resp: 1895
Ion Ratio Lower Upper
84 100
49 152.8 112.0 168.0
51 46.9 33.6 50.4
86 65.3 52.1 78.1





#25

2-Butanone

Concen: 1.818 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

Instrument :

MSVOA_N

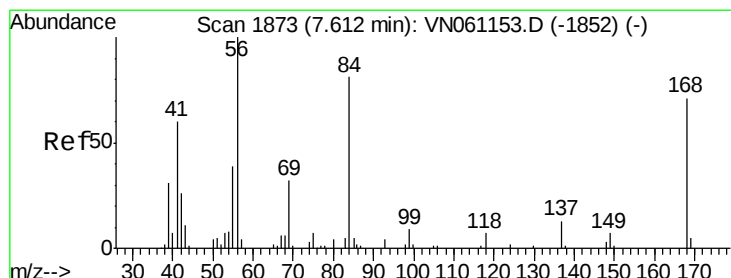
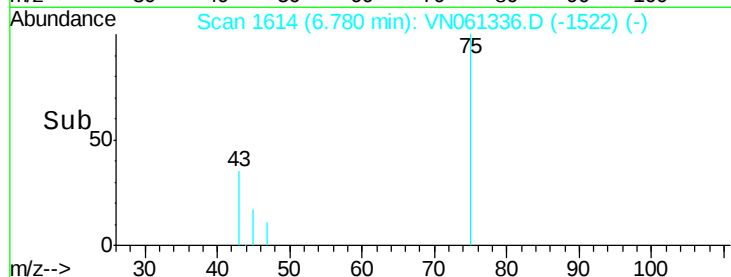
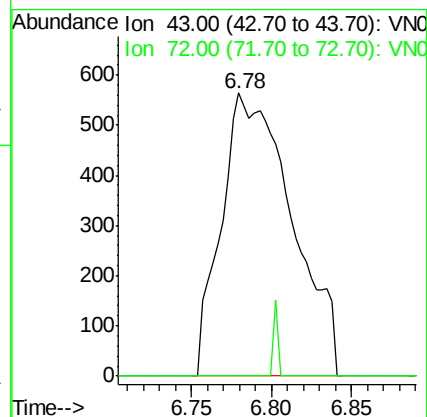
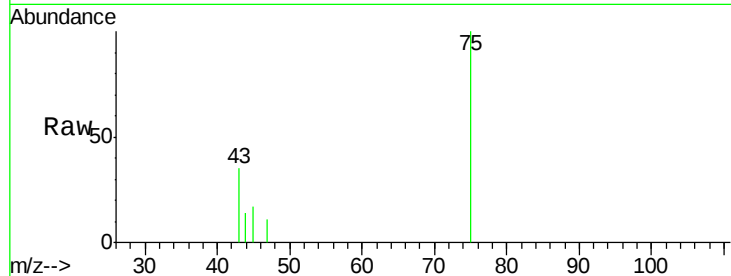
ClientSampleId :

Tot Ion: 43 Resp: 1716

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#31

Cyclohexane

Concen: 1.147 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

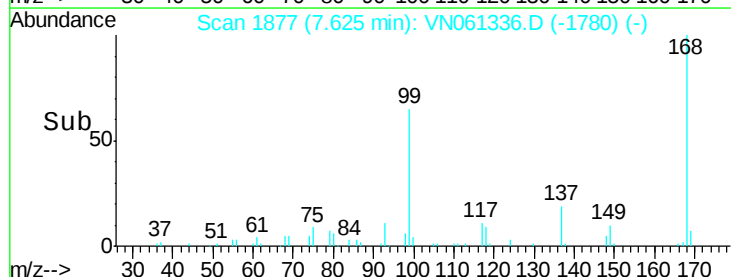
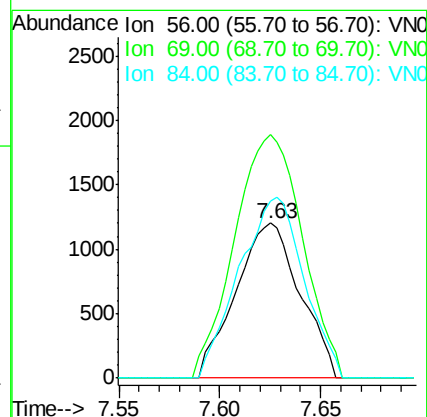
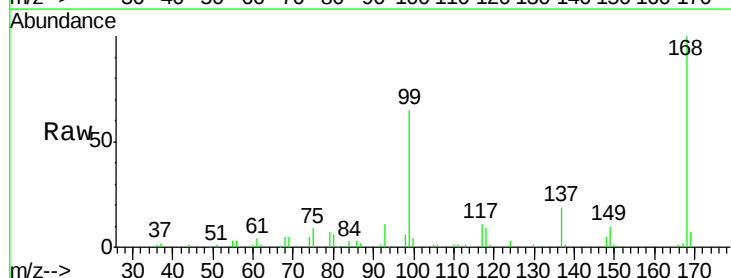
Tgt Ion: 56 Resp: 2662

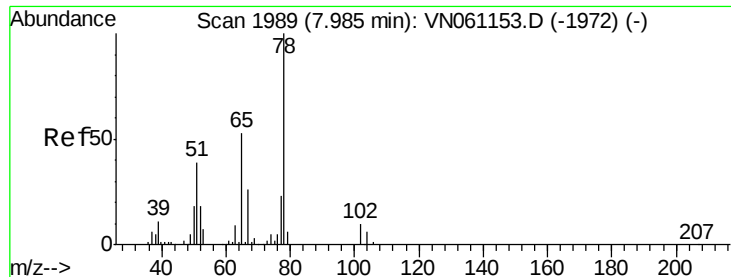
Ion Ratio Lower Upper

56 100

69 156.9 25.7 38.5#

84 114.4 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.810 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

Instrument :

MSVOA_N

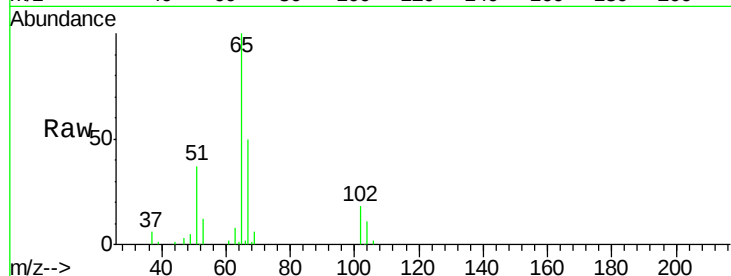
ClientSampleId :

Tot Ion: 65 Resp: 85851

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)

7.99

40000

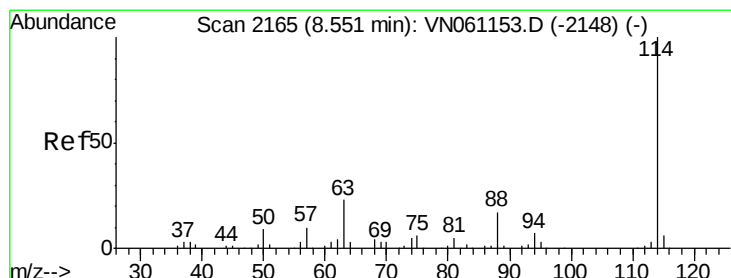
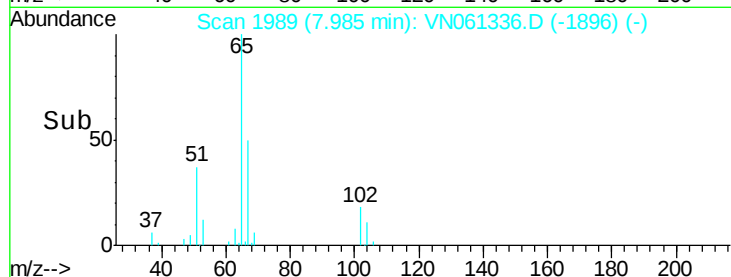
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

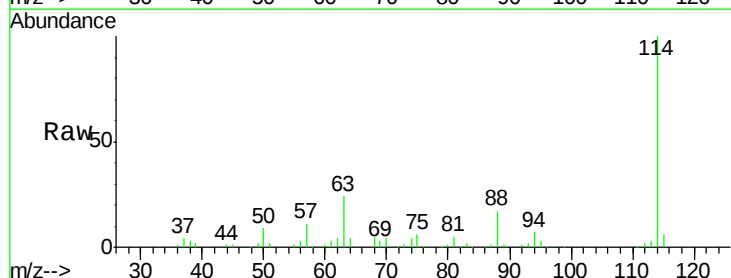
Tgt Ion: 114 Resp: 184487

Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.6

88 17.1 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN061153.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN061153.D (-2148) (-)

Ion 87.90 (87.60 to 88.60): VN061153.D (-2148) (-)

120000

100000

80000

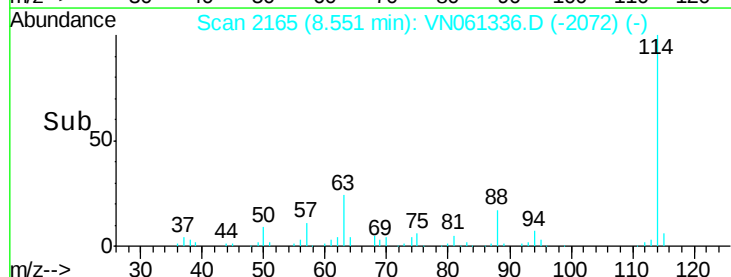
60000

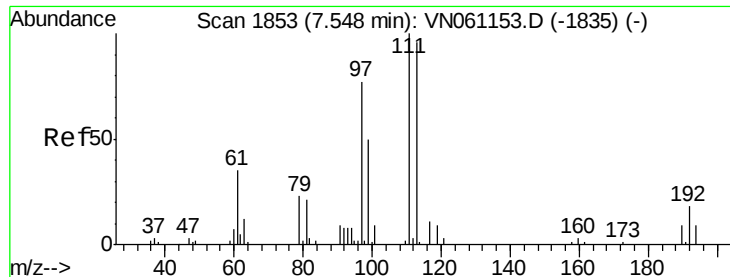
40000

20000

0

Time-->

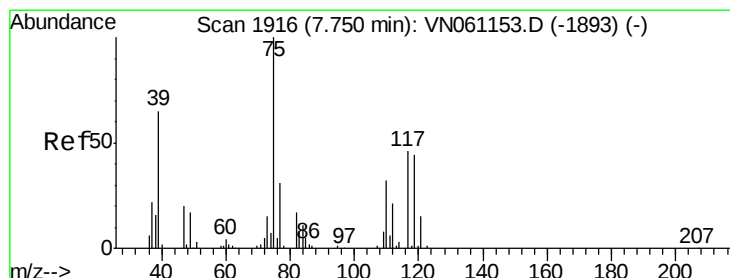
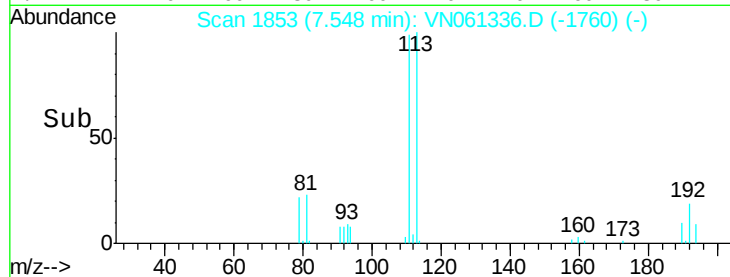
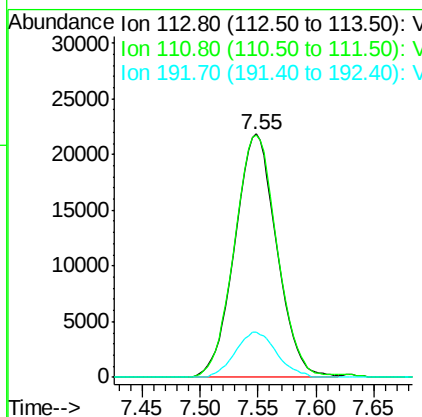
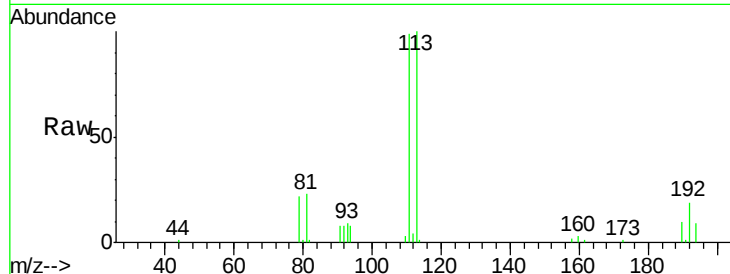




#35
 Dibromofluoromethane
 Concen: 50.270 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061336.D
 Acq: 7 May 2020 16:06

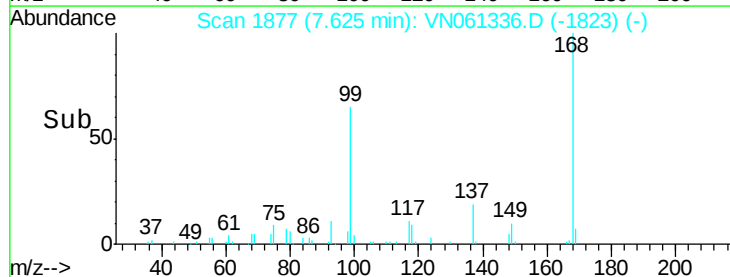
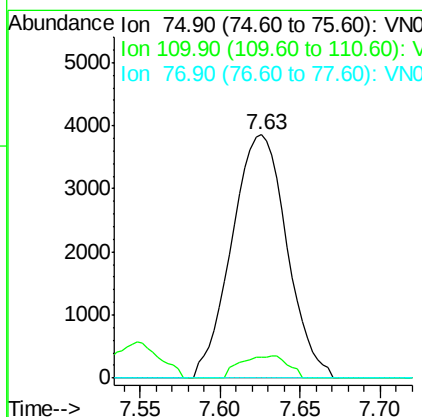
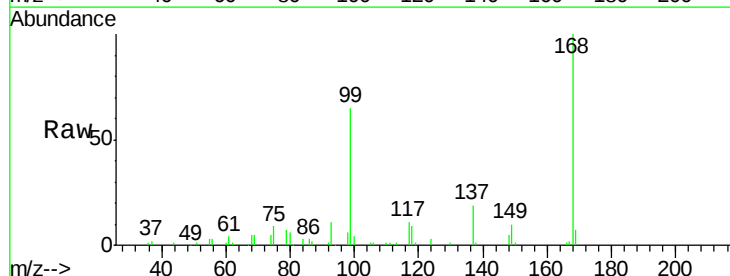
Instrument :
 MSVOA_N
 ClientSampleId :

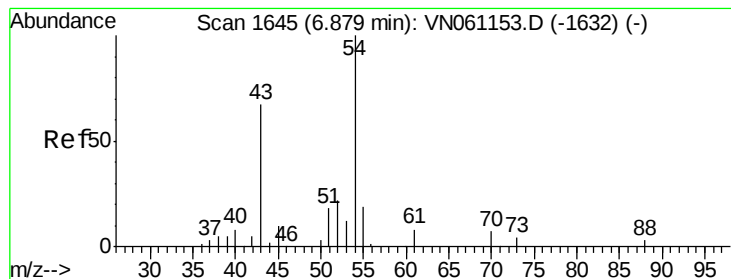
Tot Ion:113 Resp: 54840
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.9 124.3
 192 18.3 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061336.D
 Acq: 7 May 2020 16:06

Tgt Ion: 75 Resp: 9077
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.0 48.0#
 77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.793 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.10 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

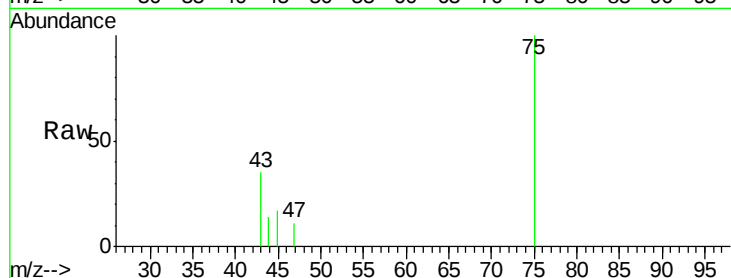
Tot Ion: 43 Resp: 1716

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

70 0.0 7.2 10.8#

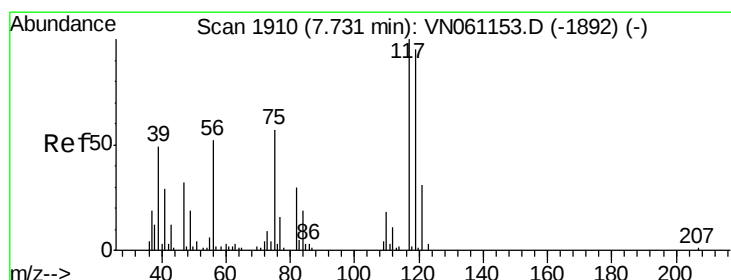
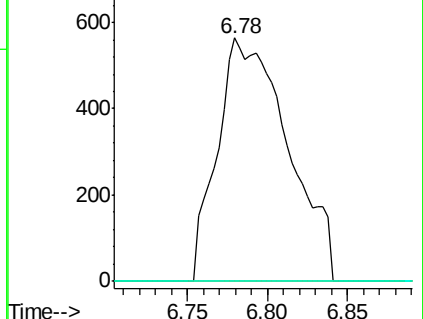
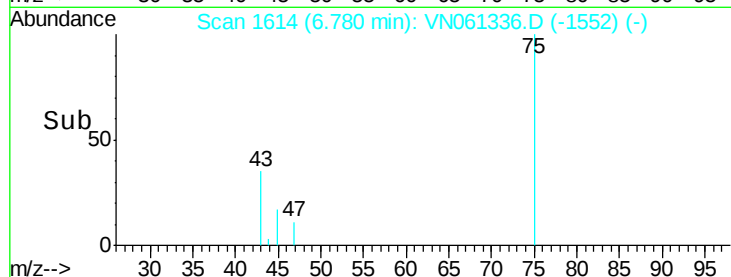


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)

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: 8.477 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

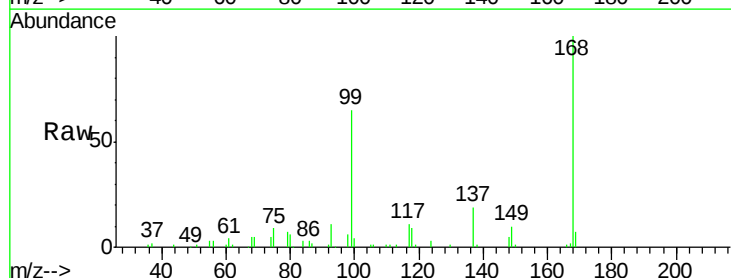
Tgt Ion: 117 Resp: 10931

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 24.7 37.1#

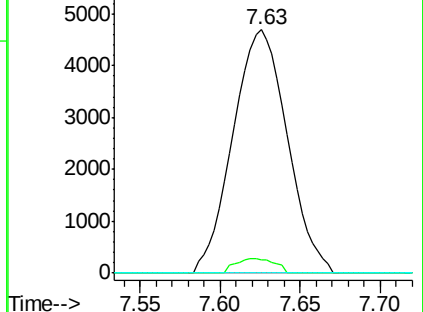
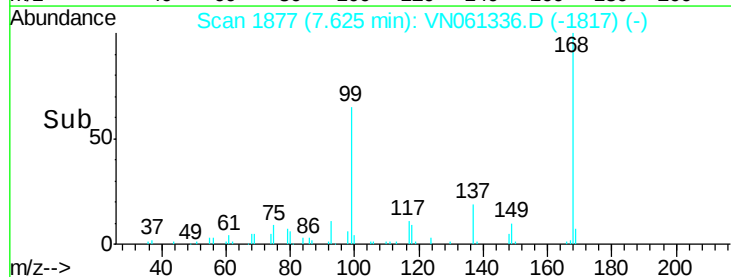


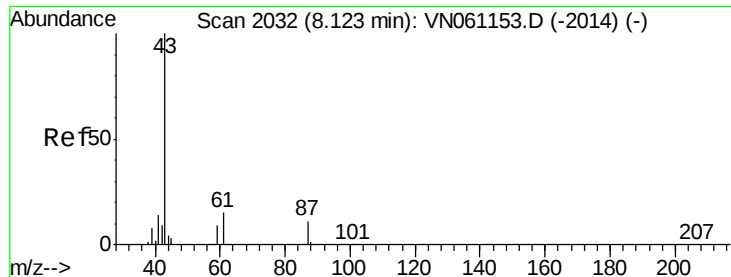
Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)

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: 10.004 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

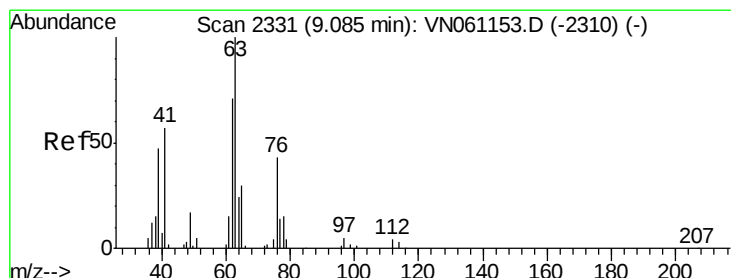
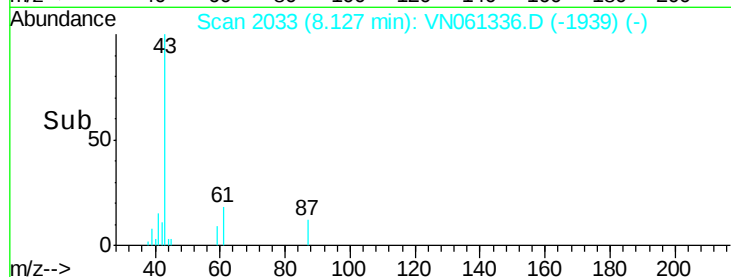
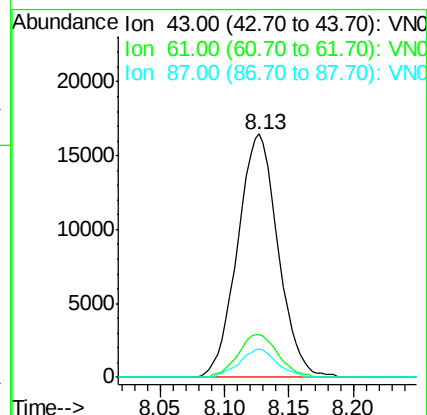
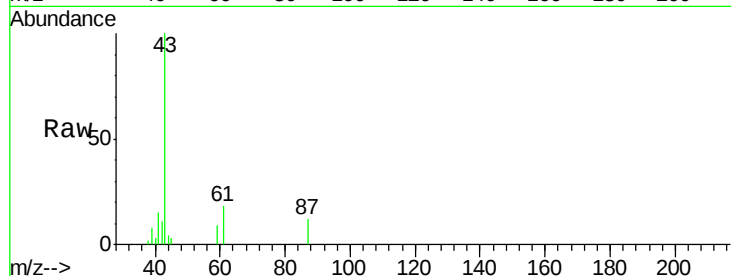
Tot Ion: 43 Resp: 35945

Ion Ratio Lower Upper

43 100

61 17.4 19.5 29.3#

87 10.7 8.9 13.3



#45

1,2-Dichloropropane

Concen: 0.435 ug/l

RT: 9.24 min Scan# 2378

Delta R.T. 0.15 min

Lab File: VN061336.D

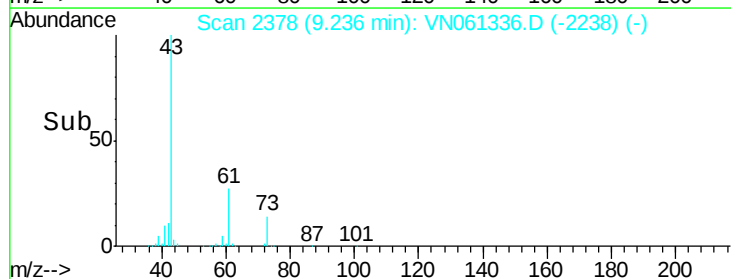
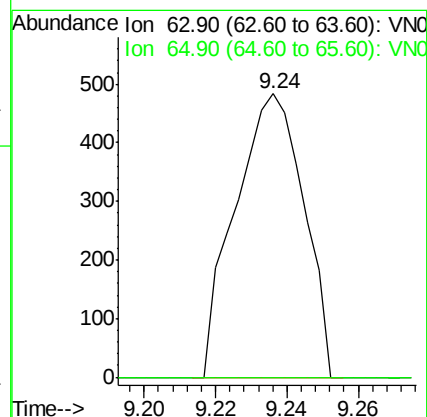
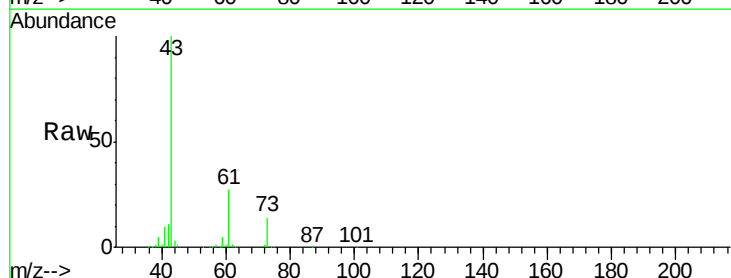
Acq: 7 May 2020 16:06

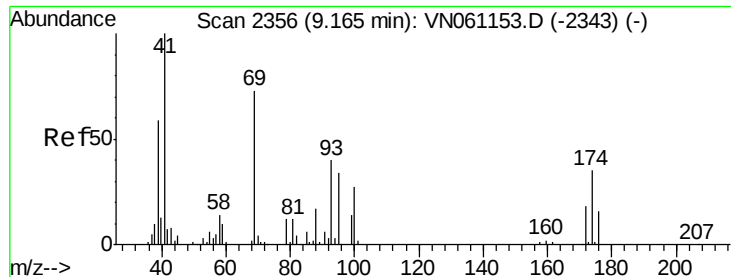
Tgt Ion: 63 Resp: 640

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

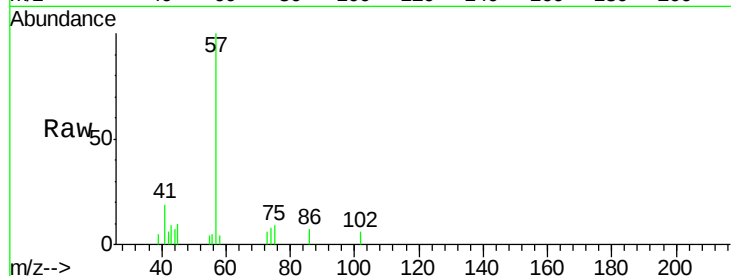




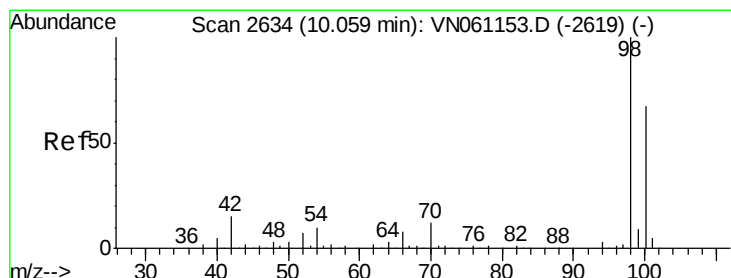
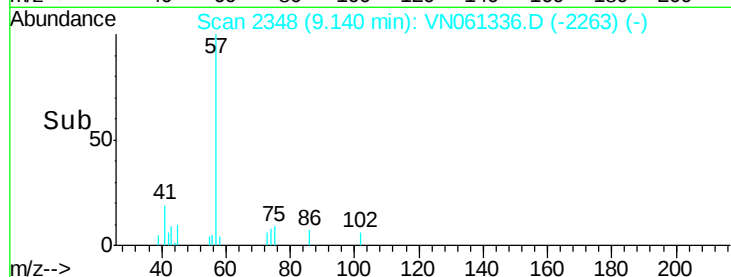
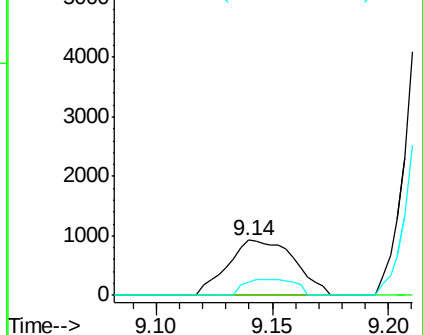
#48
Methvl methacrvlate
Concen: 1.146 ug/l
RT: 9.14 min Scan# 2348
Delta R.T. -0.03 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 1858
Ion Ratio Lower Upper
41 100
69 0.0 60.3 90.5#
39 0.0 47.4 71.0#

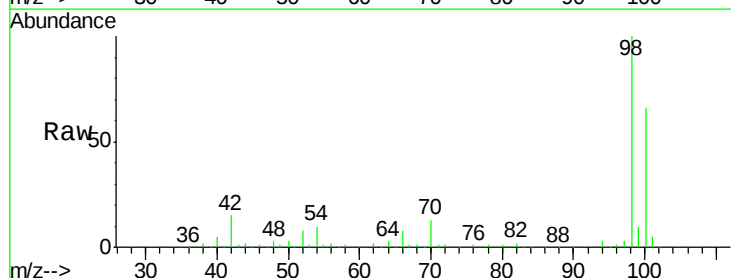


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

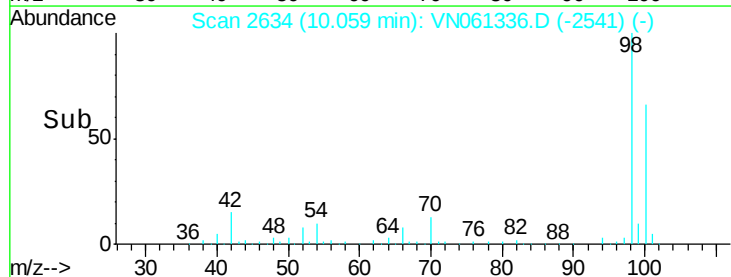
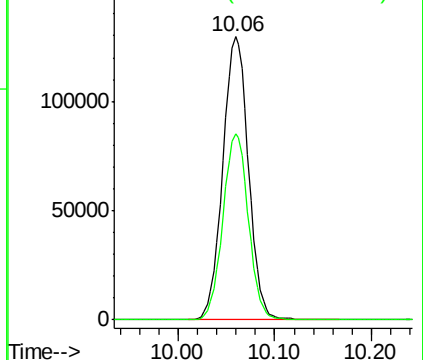


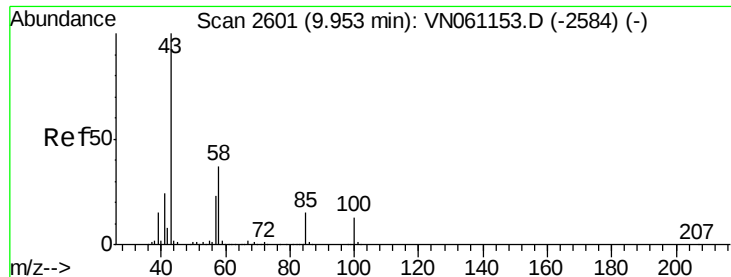
#50
Toluene-d8
Concen: 53.667 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

Tgt Ion: 98 Resp: 238665
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0



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

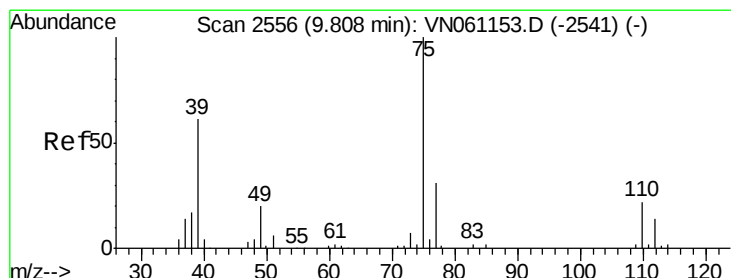
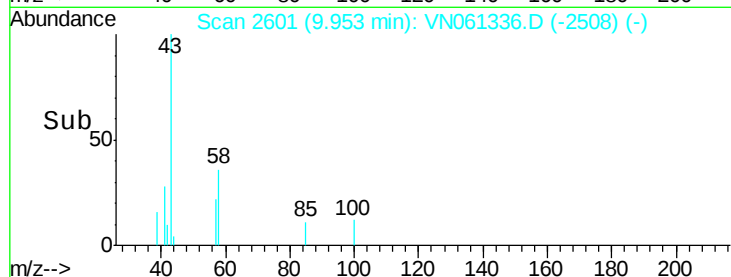
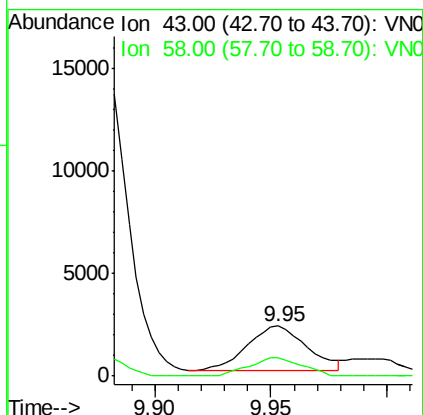
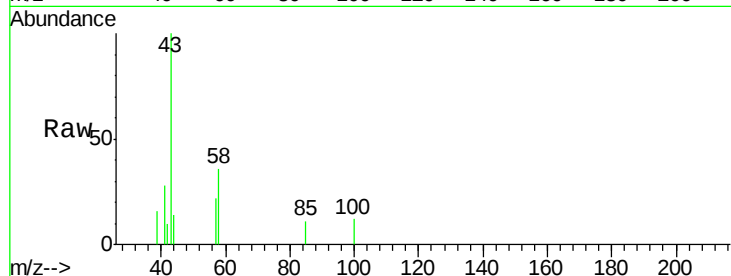




#51
4-Methyl-2-Pentanone
Concen: 1.835 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

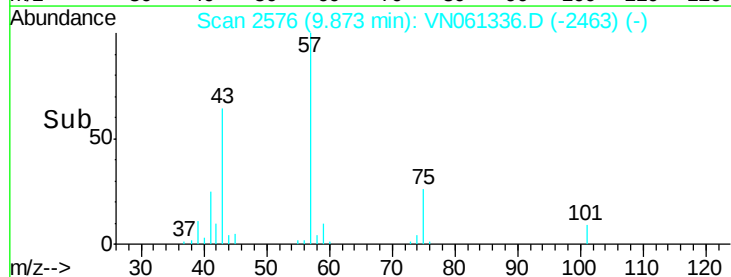
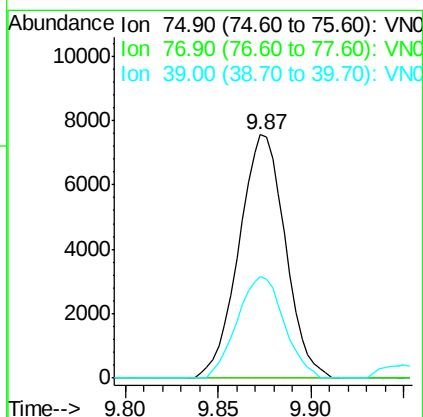
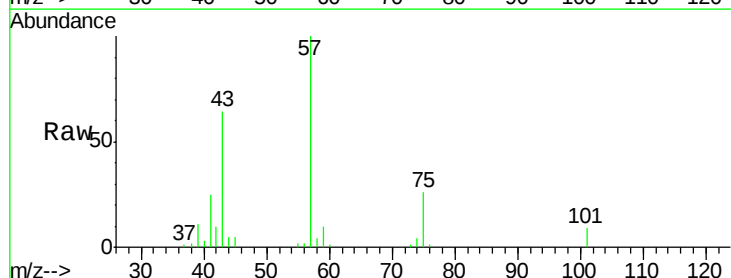
Instrument :
MSVOA_N
ClientSampled :

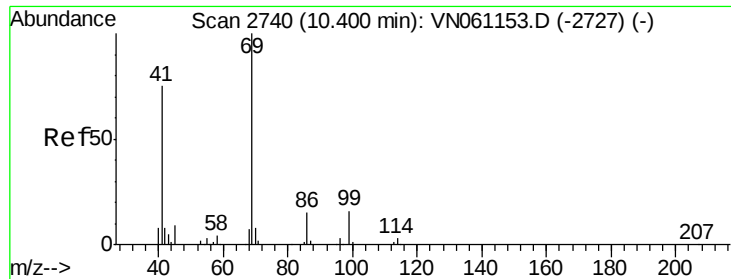
Tot Ion: 43 Resp: 3880
Ion Ratio Lower Upper
43 100
58 36.3 29.1 43.7



#54
cis-1,3-Dichloropropene
Concen: 5.653 ug/l
RT: 9.87 min Scan# 2576
Delta R.T. 0.06 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

Tgt Ion: 75 Resp: 13155
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 41.6 48.7 73.1#

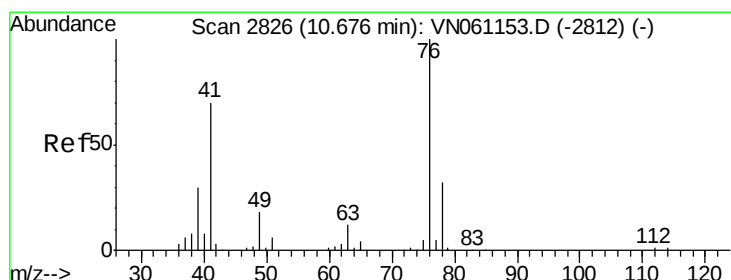
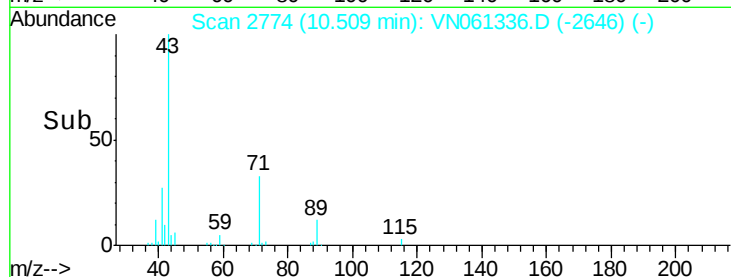
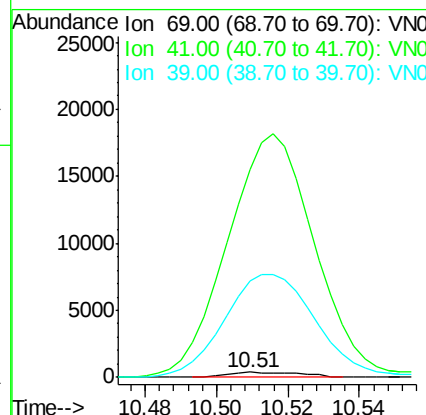
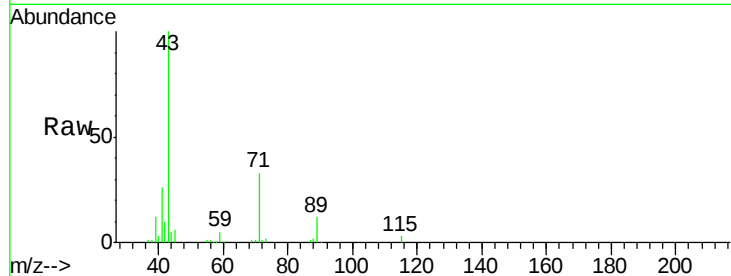




#56
Ethyl methacrylate
Concen: 2.951 ug/l
RT: 10.51 min Scan# 2774
Delta R.T. 0.11 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

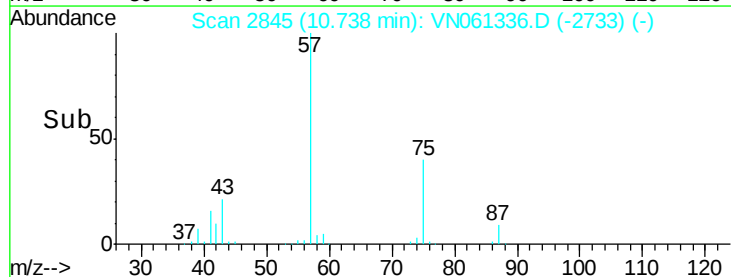
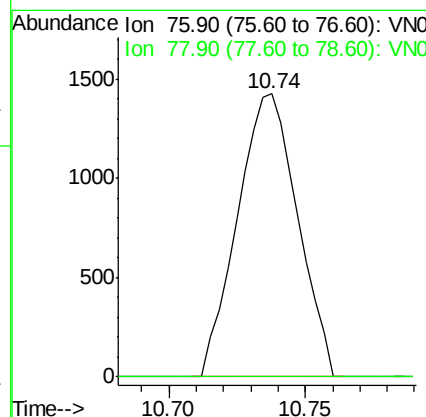
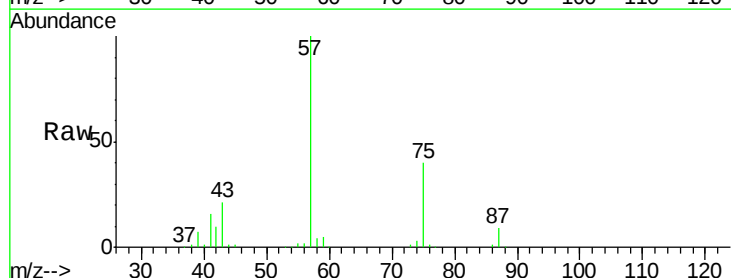
Instrument :
MSVOA_N
ClientSampled :

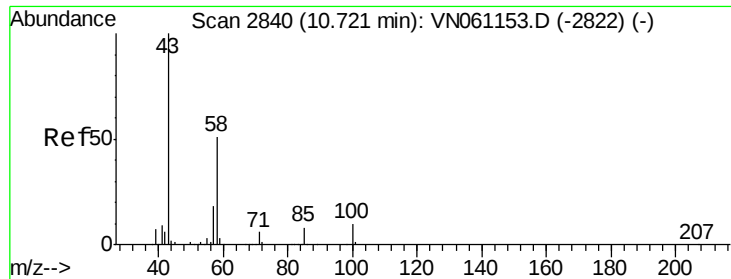
Tot Ion: 69 Resp: 546
Ion Ratio Lower Upper
69 100
41 5670.7 60.3 90.5#
39 2500.7 35.9 53.9#



#57
1,3-Dichloropropane
Concen: 0.937 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.06 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

Tgt Ion: 76 Resp: 2176
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

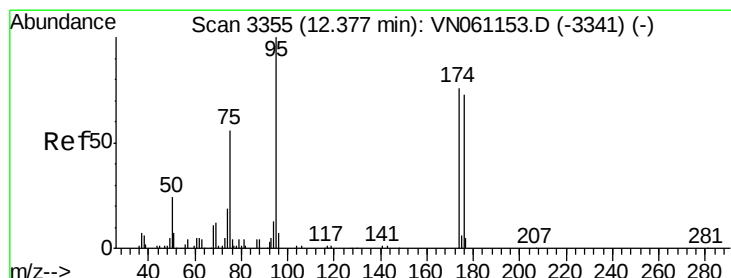
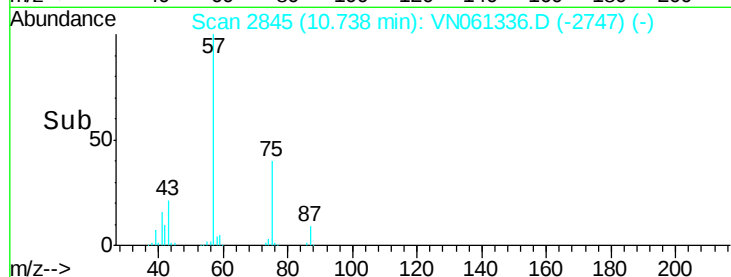
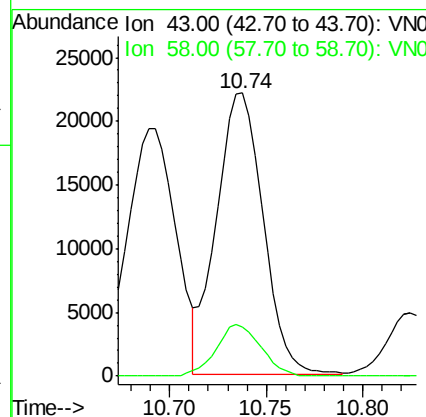
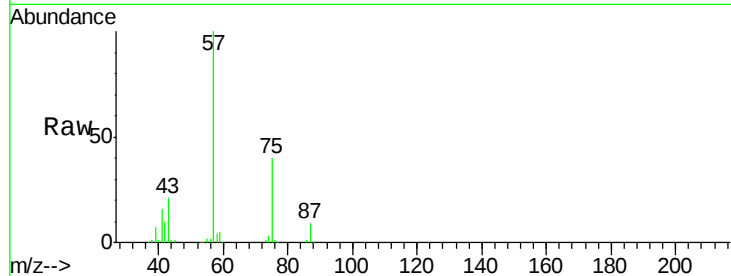




#59
2-Hexanone
Concen: 24.111 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.02 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

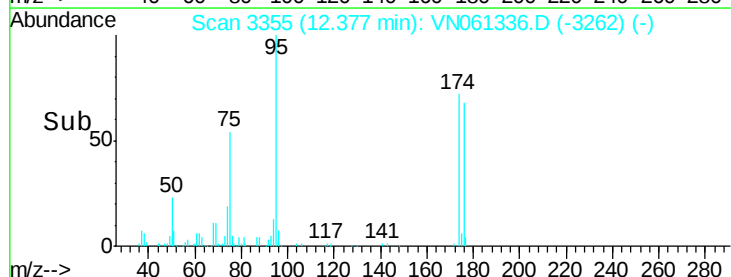
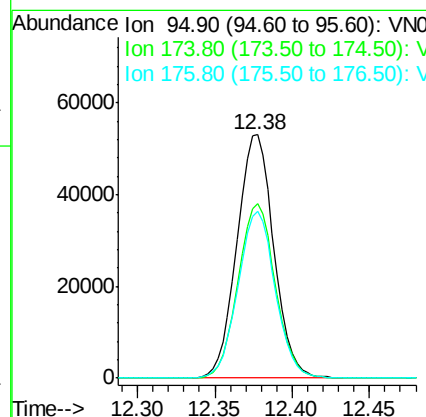
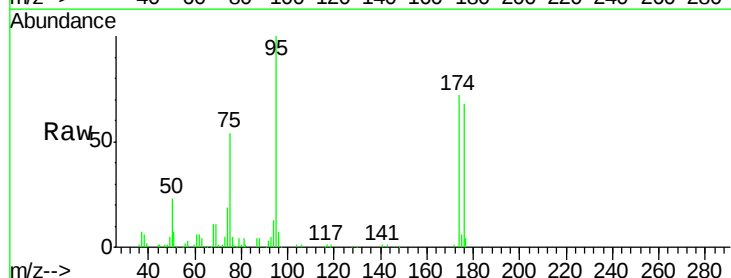
Instrument :
MSVOA_N
ClientSampled :

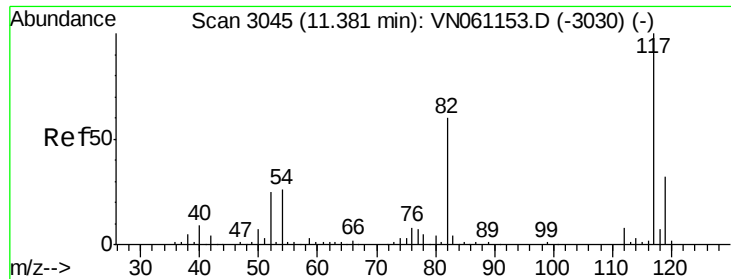
Tot Ion: 43 Resp: 37100
Ion Ratio Lower Upper
43 100
58 17.6 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 52.424 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

Tgt Ion: 95 Resp: 87733
Ion Ratio Lower Upper
95 100
174 72.6 0.0 149.4
176 68.9 0.0 144.8

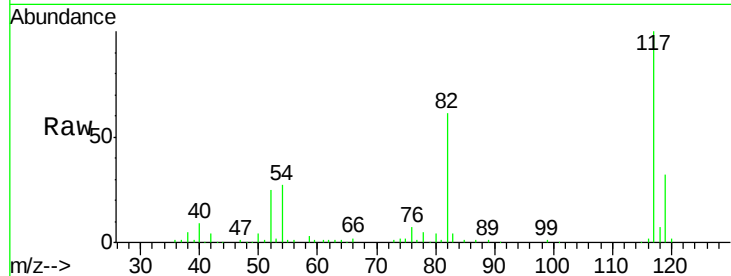




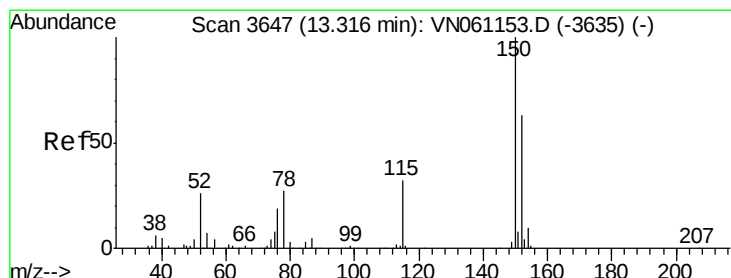
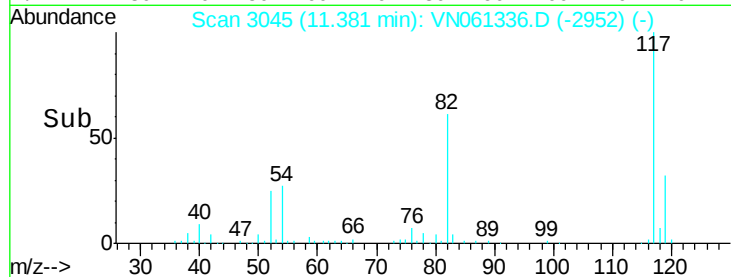
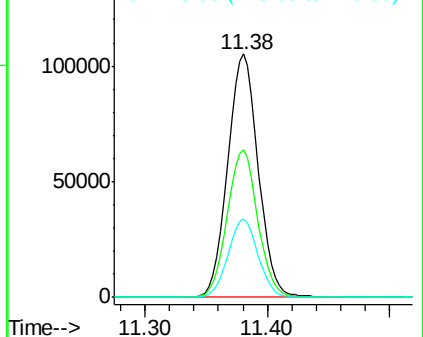
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 183354
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 32.0 25.8 38.6

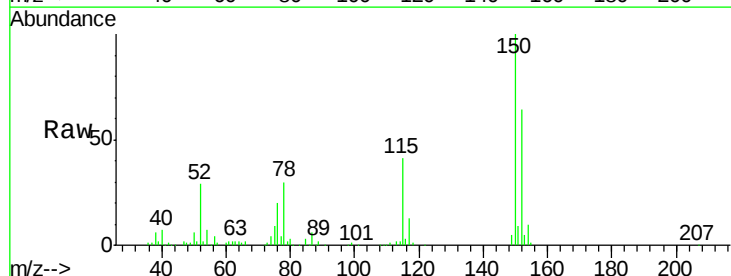


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

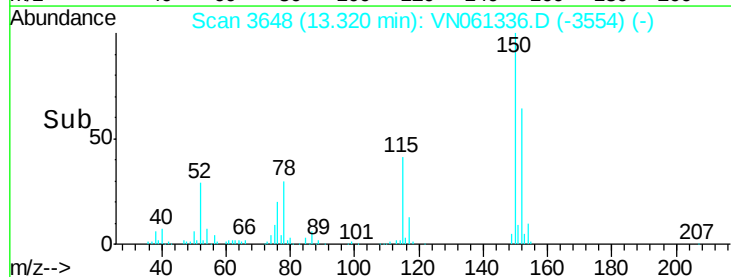
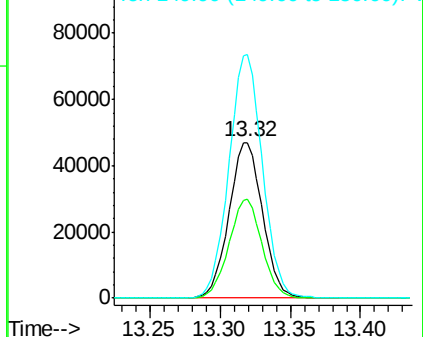


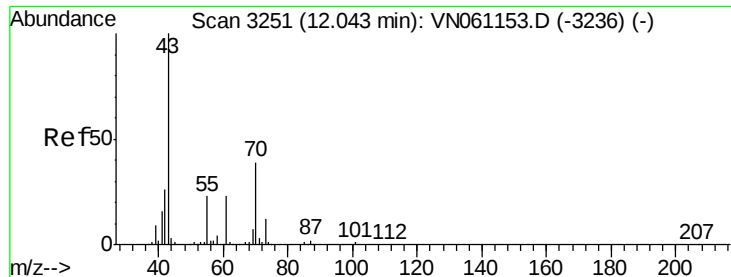
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061336.D
Acq: 7 May 2020 16:06

Tgt Ion:152 Resp: 78096
Ion Ratio Lower Upper
152 100
115 62.8 31.0 93.0
150 156.6 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-amvl acetate

Concen: 0.715 ug/l

RT: 12.00 min Scan# 3237

Delta R.T. -0.04 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2079

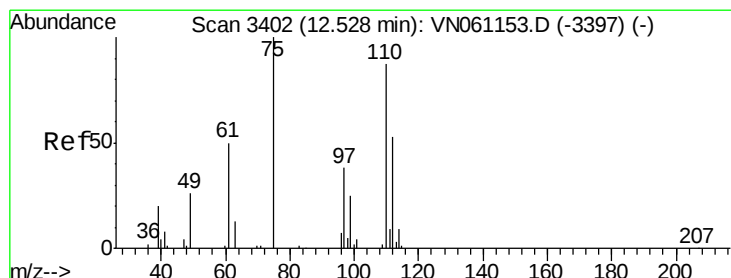
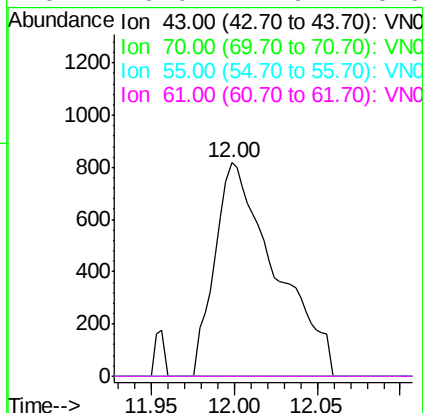
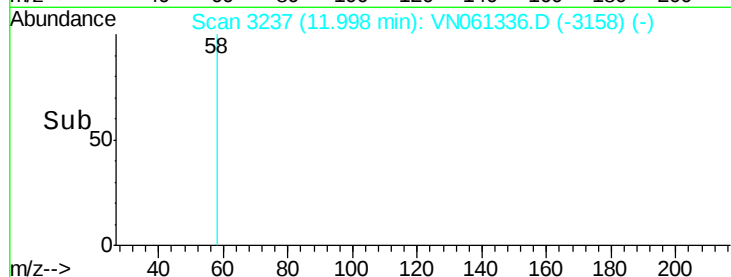
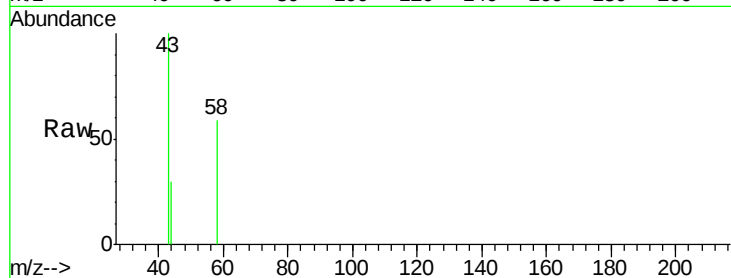
Ion Ratio Lower Upper

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: 29.348 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061336.D

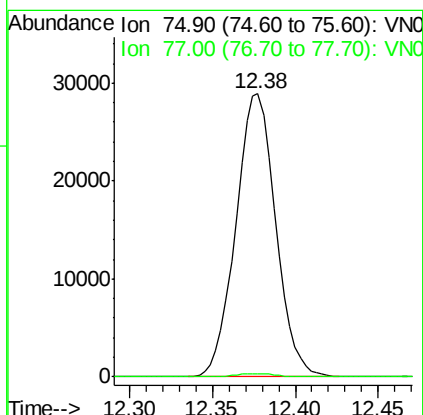
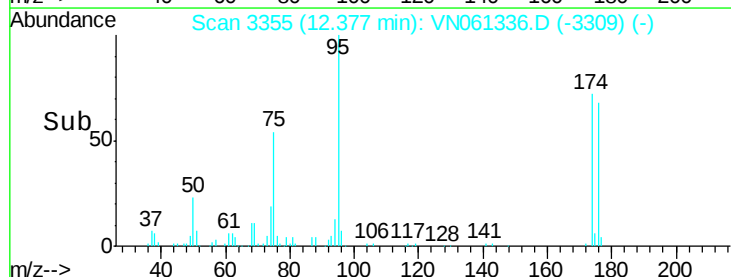
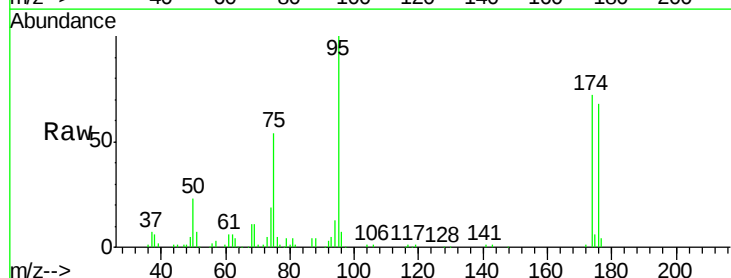
Acq: 7 May 2020 16:06

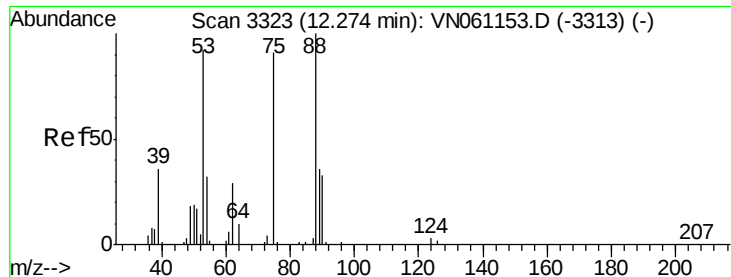
Tgt Ion: 75 Resp: 48320

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 74.528 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061336.D

Acq: 7 May 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

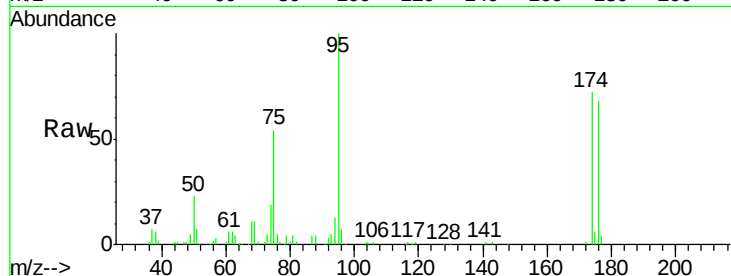
Tot Ion: 75 Resp: 48320

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

