

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061230.D
 Acq On : 1 May 2020 15:08
 Operator : JC/MD
 Sample : L2468-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 04 00:54:19 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	116738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	207054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	198198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87852	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	90677	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
35) Dibromofluoromethane	7.55	113	60911	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.06	98	257519	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.38	95	95503	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	

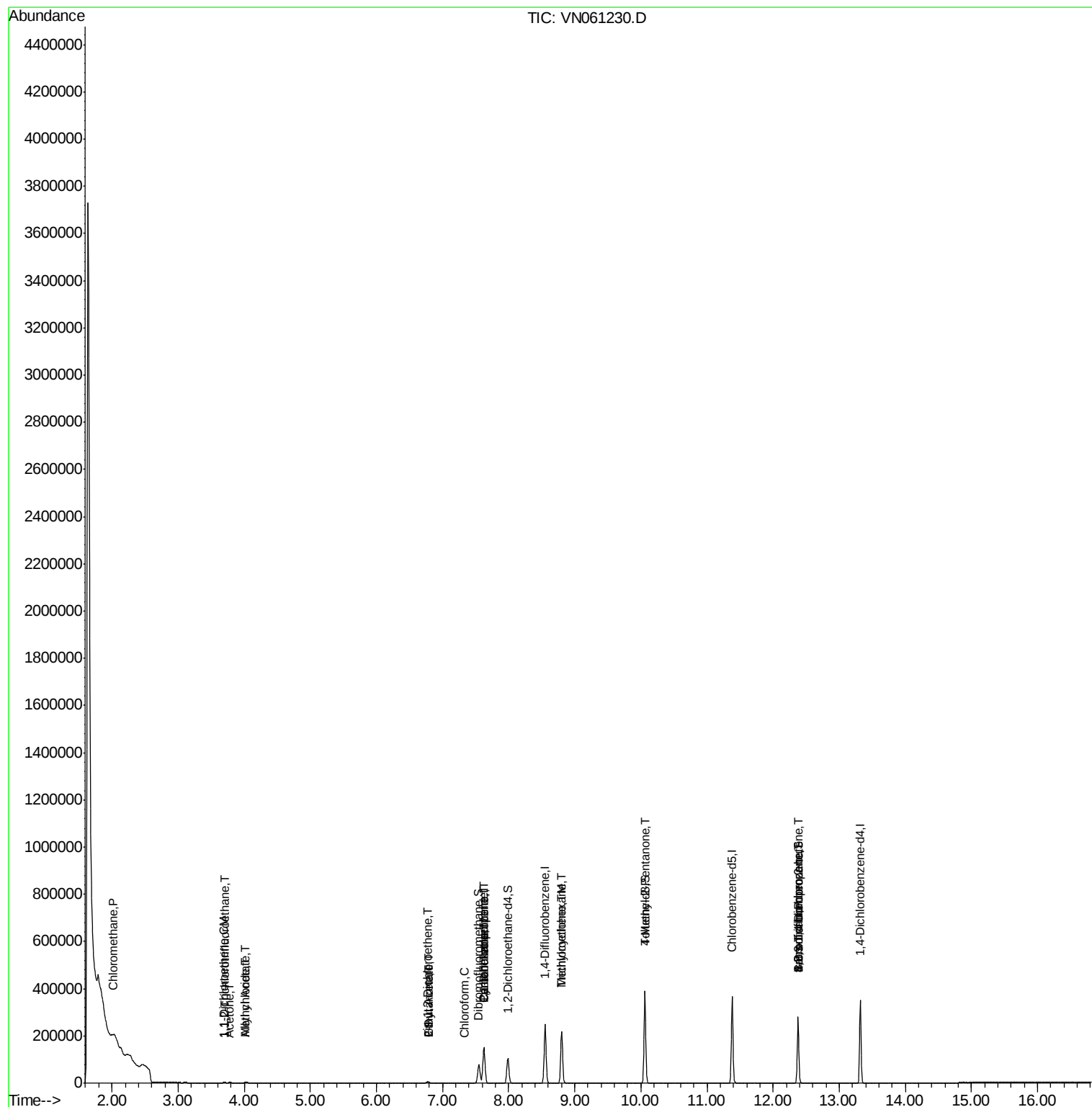
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	369	0.246	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	3.71	101	520	0.420	ug/l #	79
12) 1,1-Dichloroethene	3.69	96	1323	1.074	ug/l #	64
14) Allyl chloride	4.02	41	840	0.368	ug/l #	92
16) Acetone	3.78	43	7015	4.392	ug/l	92
18) Methyl Acetate	4.01	43	2270	1.639	ug/l #	55
25) 2-Butanone	6.79	43	1076	0.984	ug/l #	53
27) cis-1,2-Dichloroethene	6.78	96	723	0.459	ug/l	69
30) Chloroform	7.33	83	1309	0.467	ug/l	99
31) Cyclohexane	7.63	56	3110	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10318	4.978	ug/l #	50
37) Ethyl Acetate	6.79	43	1076	0.443	ug/l #	1
38) Carbon Tetrachloride	7.63	117	11620	8.150	ug/l #	17
39) Methylcyclohexane	8.80	83	915	0.394	ug/l #	1
44) Trichloroethene	8.80	130	77323	46.320	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1315	0.554	ug/l #	1
71) Bromoform	12.38	173	303	0.293	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	52188	28.177	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52188	71.555	ug/l #	8

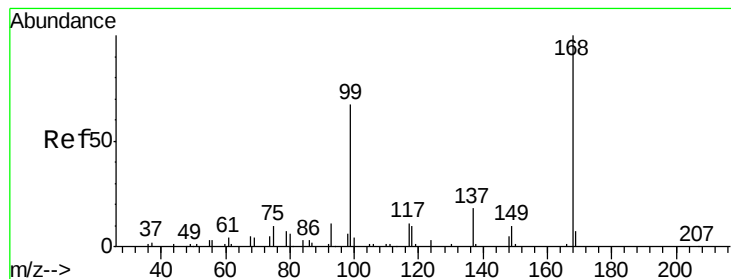
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 1 May 2020 15:08
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ClientSampleId :

Quant Time: May 04 00:54:19 2020
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Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
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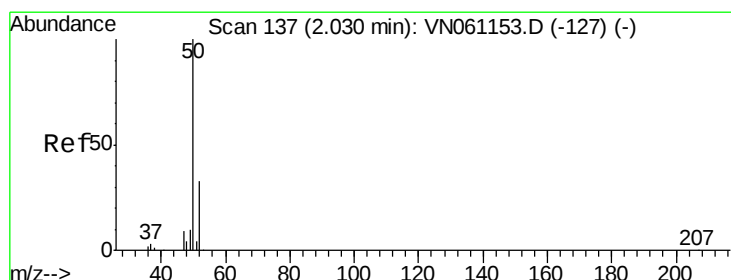
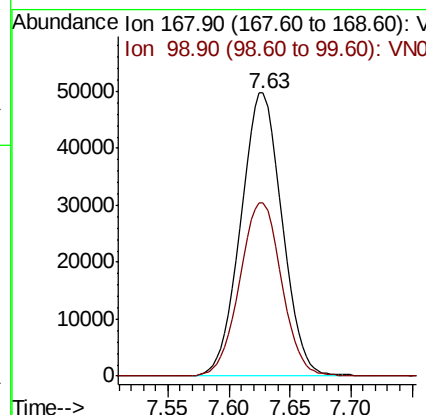
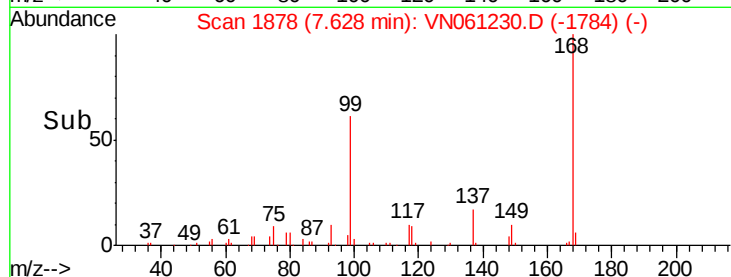
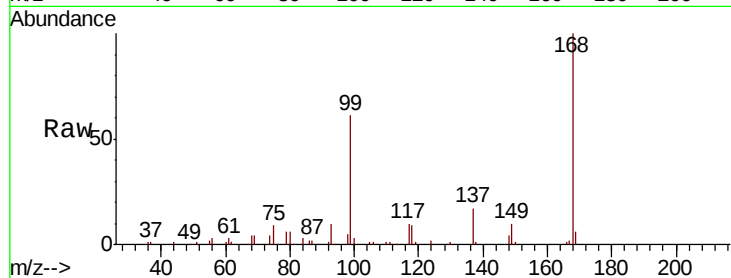




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

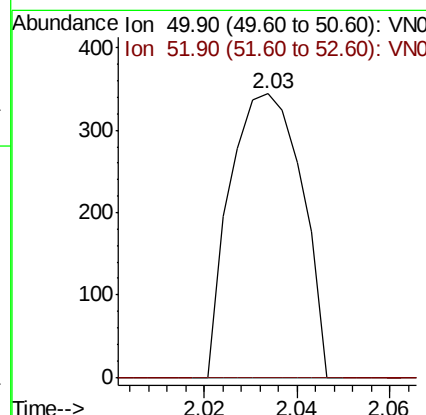
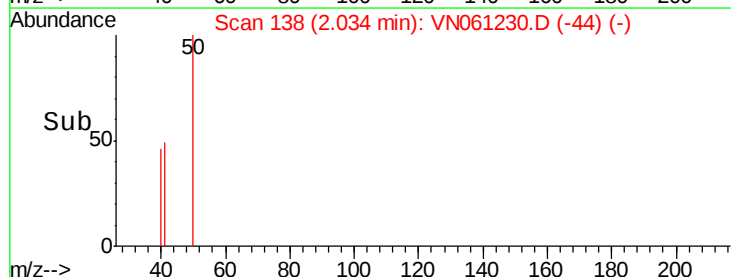
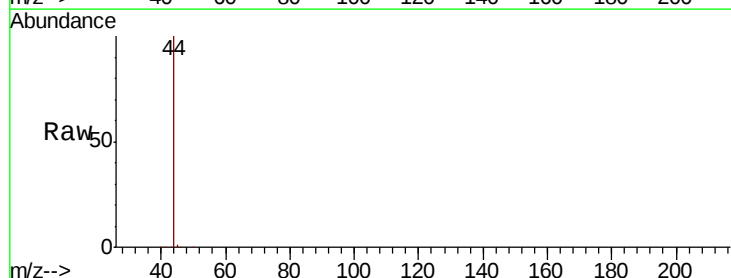
Instrument :
MSVOA_N
ClientSampled :

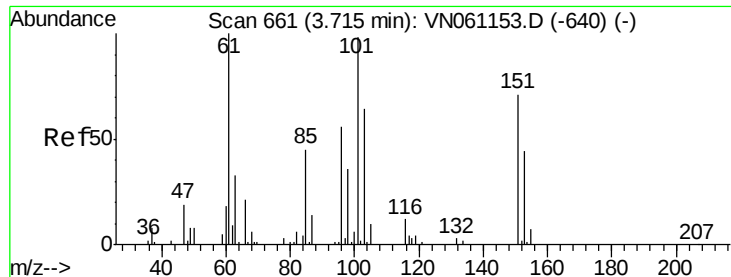
Tot Ion:168 Resp: 116738
Ion Ratio Lower Upper
168 100
99 61.3 51.2 76.8



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.03 min Scan# 138
Delta R.T. 0.00 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Tgt Ion: 50 Resp: 369
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.420 ug/l

RT: 3.71 min Scan# 659

Delta R.T. -0.01 min

Lab File: VN061230.D

Acq: 1 May 2020 15:08

Instrument :

MSVOA_N

ClientSampled :

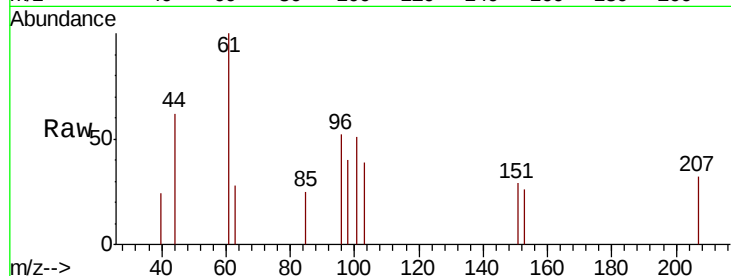
Tot Ion:101 Resp: 520

Ion Ratio Lower Upper

101 100

85 32.1 37.2 55.8#

151 89.2 57.7 86.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

500

400

300

200

100

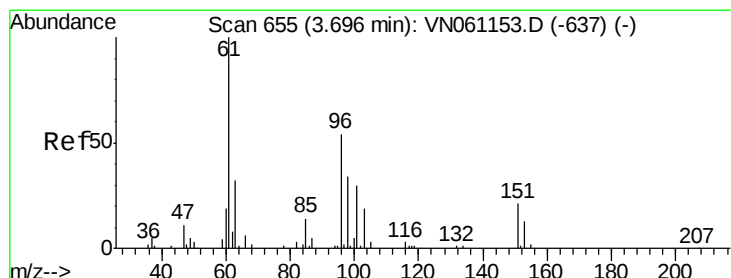
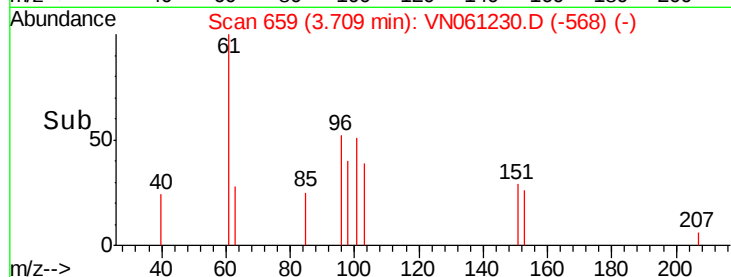
0

3.68

3.70

3.72

Time-->



#12

1,1-Dichloroethene

Concen: 1.074 ug/l

RT: 3.69 min Scan# 654

Delta R.T. -0.00 min

Lab File: VN061230.D

Acq: 1 May 2020 15:08

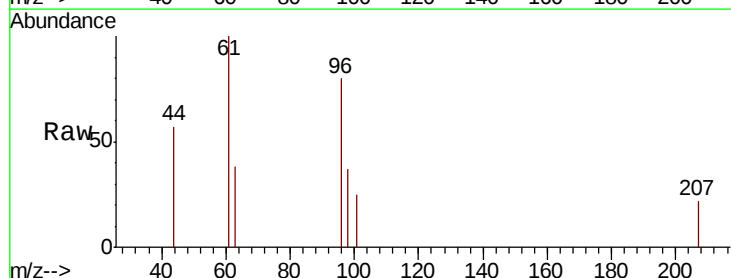
Tgt Ion: 96 Resp: 1323

Ion Ratio Lower Upper

96 100

61 124.7 147.0 220.6#

98 46.0 49.8 74.6#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

1200

1000

800

600

400

200

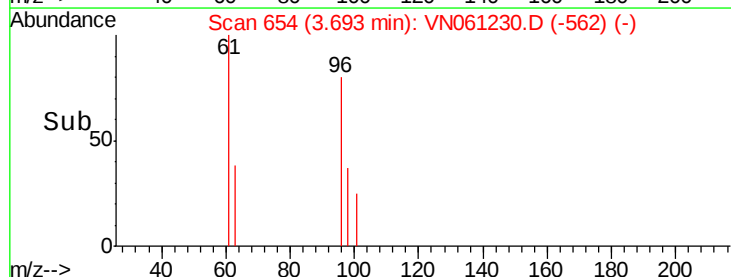
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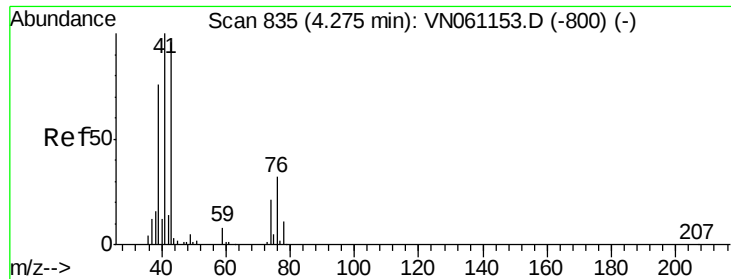
3.65

3.70

3.75

Time-->

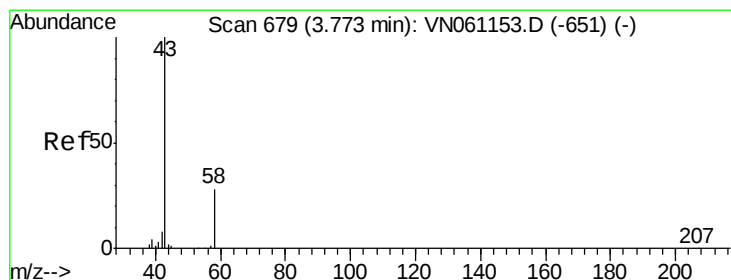
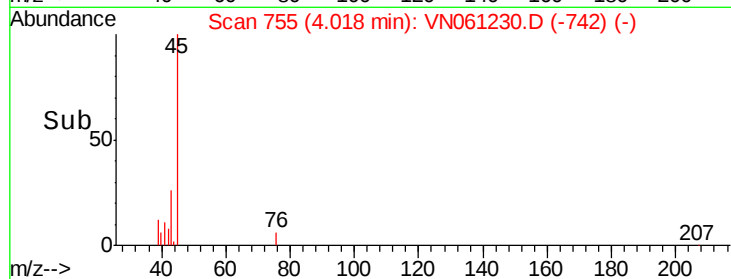
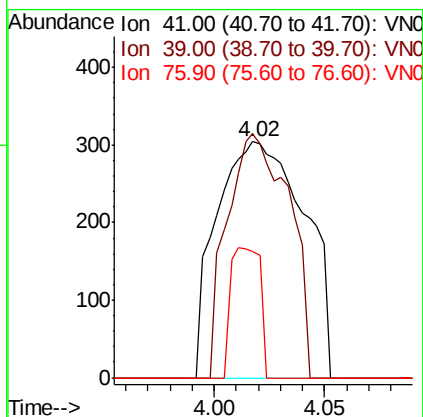
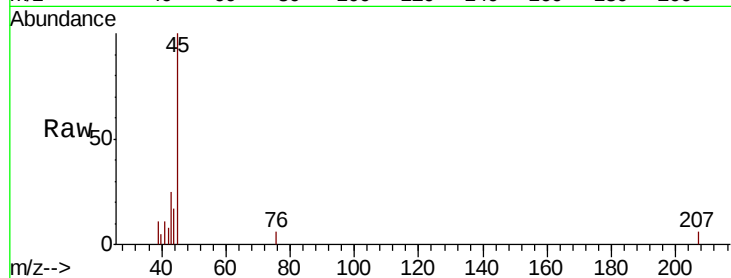




#14
Allvl chloride
Concen: 0.368 ug/l
RT: 4.02 min Scan# 755
Delta R.T. -0.26 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

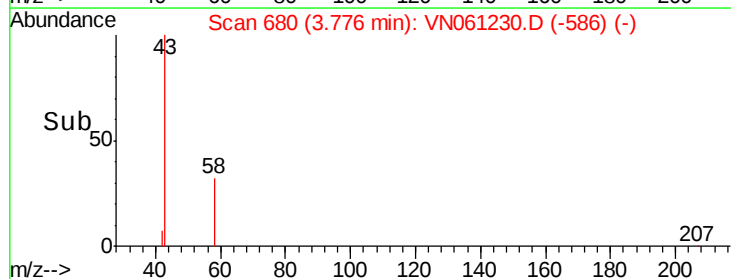
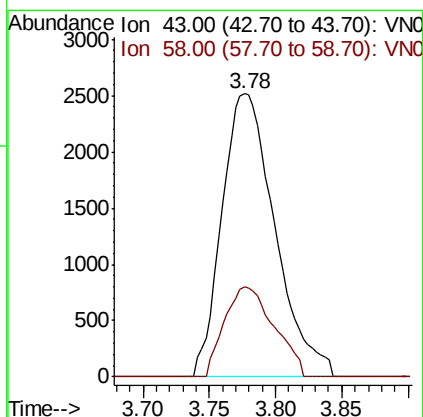
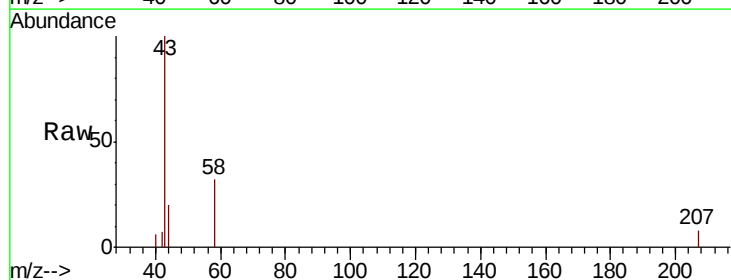
Instrument :
MSVOA_N
ClientSampled :

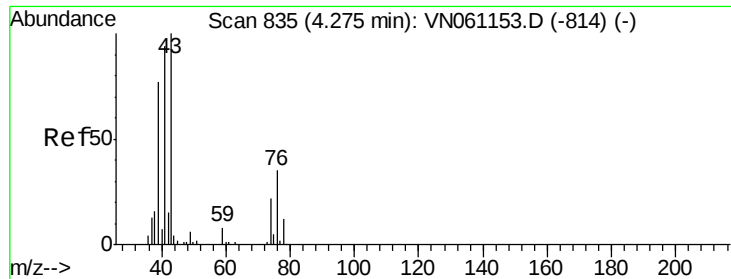
Tot Ion: 41 Resp: 840
Ion Ratio Lower Upper
41 100
39 72.7 57.1 85.7
76 18.6 24.3 36.5#



#16
Acetone
Concen: 4.392 ug/l
RT: 3.78 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Tgt Ion: 43 Resp: 7015
Ion Ratio Lower Upper
43 100
58 31.9 22.2 33.2

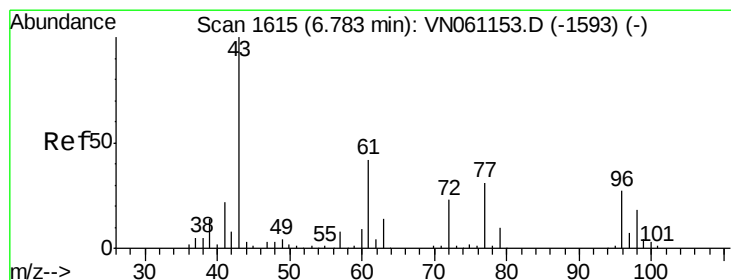
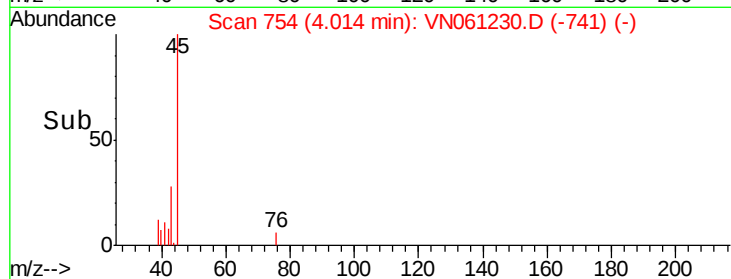
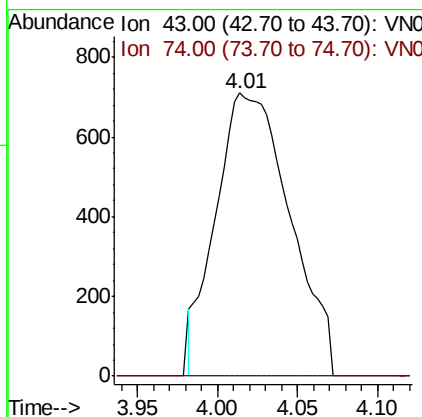
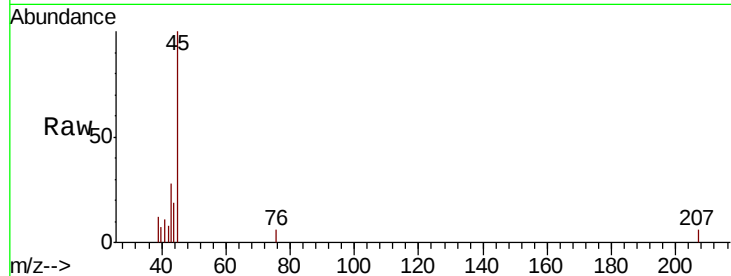




#18
Methvl Acetate
Concen: 1.639 ug/l
RT: 4.01 min Scan# 754
Delta R.T. -0.26 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

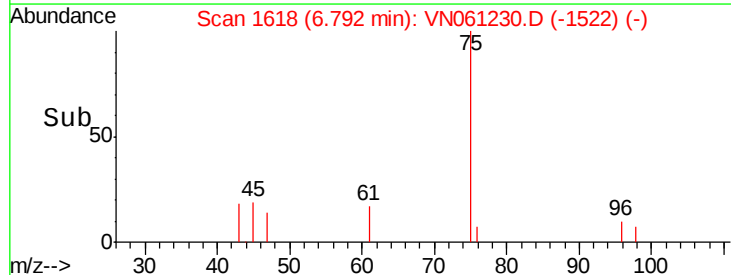
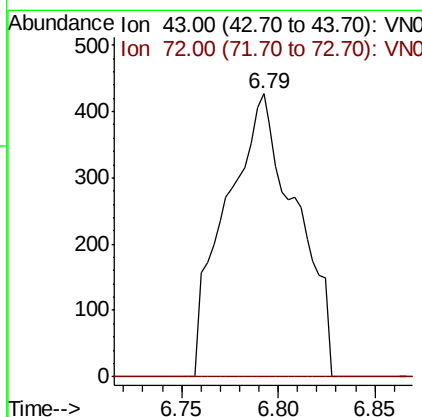
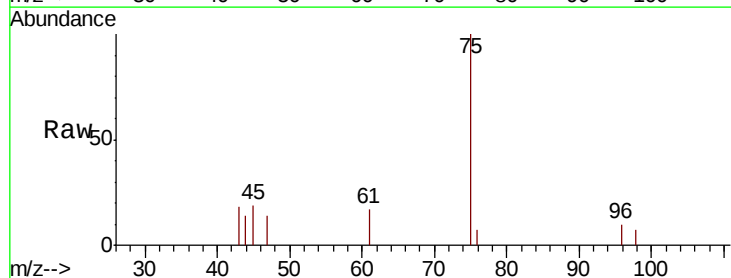
Instrument :
MSVOA_N
ClientSampleId :

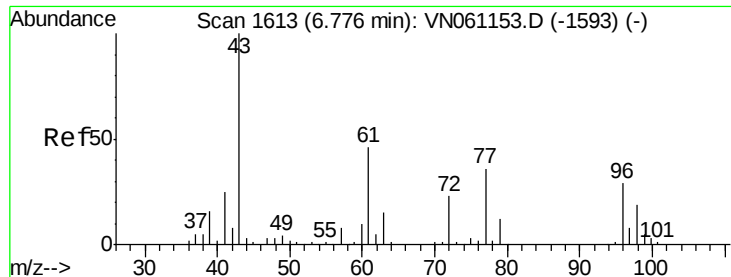
Tot Ion: 43 Resp: 2270
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#25
2-Butanone
Concen: 0.984 ug/l
RT: 6.79 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#





#27

cis-1,2-Dichloroethene

Concen: 0.459 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061230.D

Acq: 1 May 2020 15:08

Instrument :
MSVOA_N
ClientSampled :

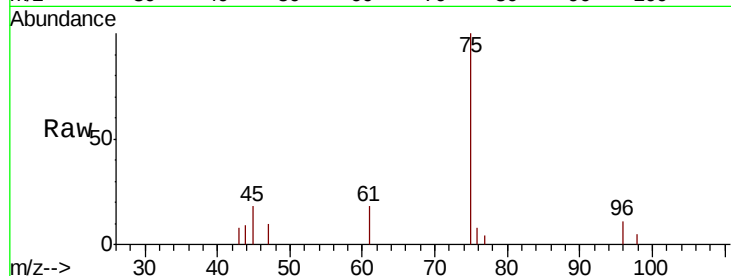
Tot Ion: 96 Resp: 723

Ion Ratio Lower Upper

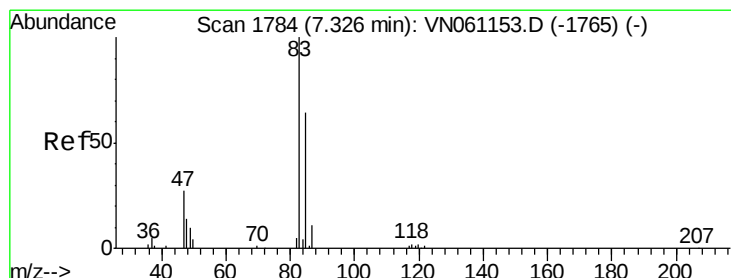
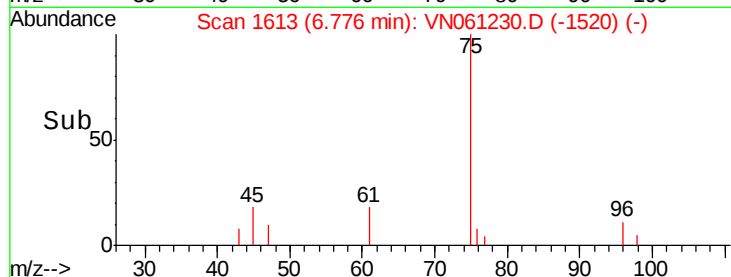
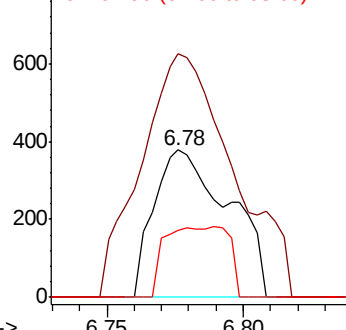
96 100

61 202.4 0.0 322.0

98 40.7 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#30

Chloroform

Concen: 0.467 ug/l

RT: 7.33 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VN061230.D

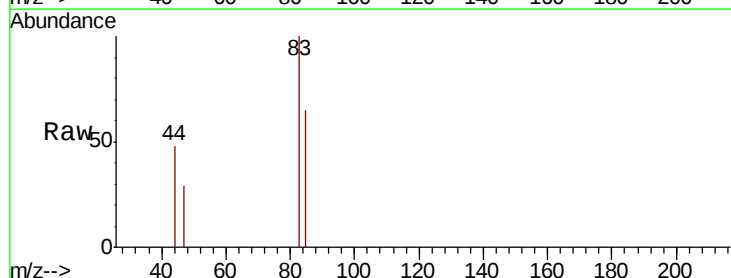
Acq: 1 May 2020 15:08

Tgt Ion: 83 Resp: 1309

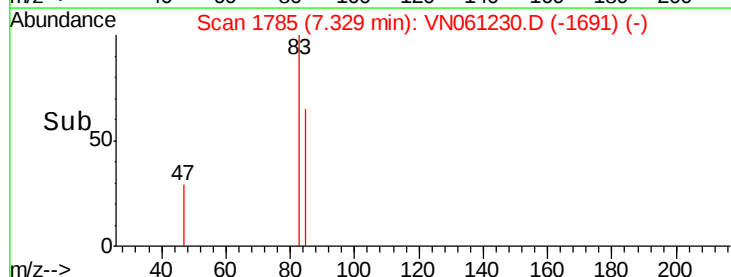
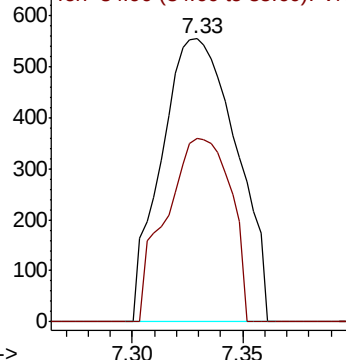
Ion Ratio Lower Upper

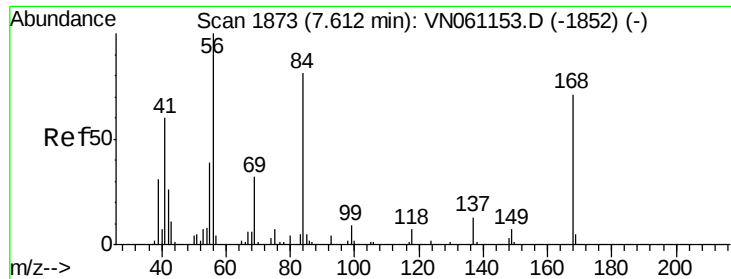
83 100

85 64.9 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

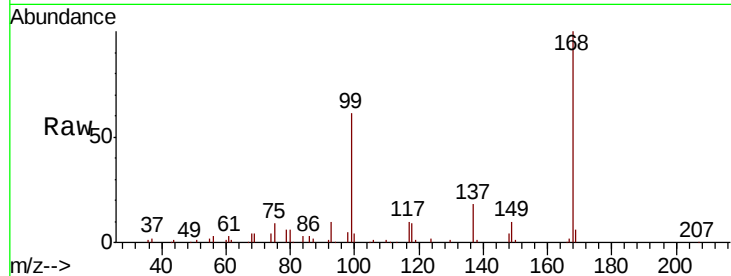




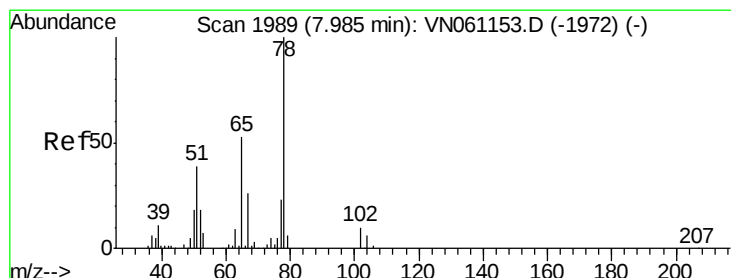
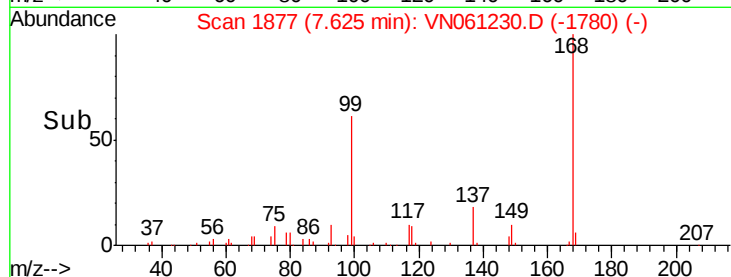
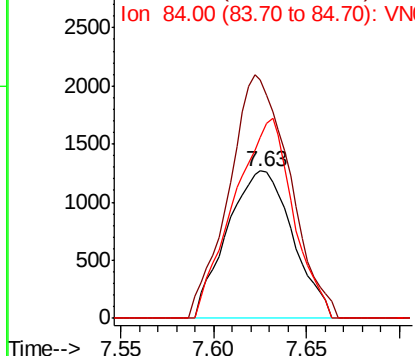
#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3110
Ion Ratio Lower Upper
56 100
69 161.6 25.7 38.5#
84 122.9 64.6 97.0#

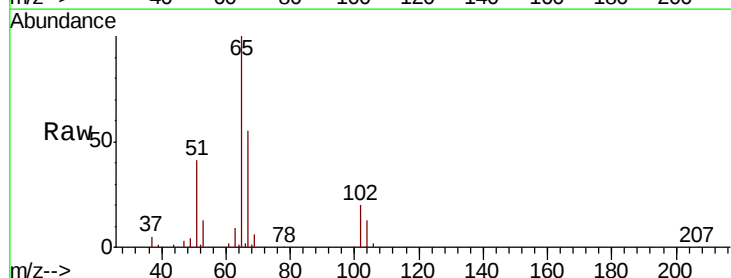


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

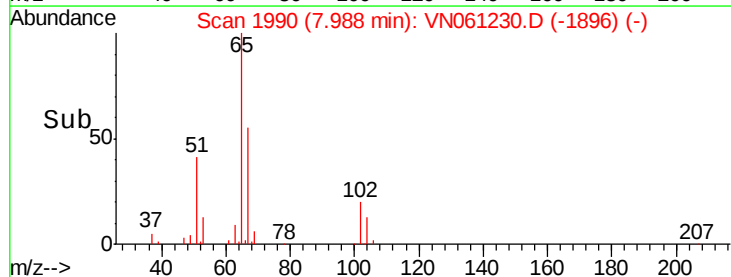
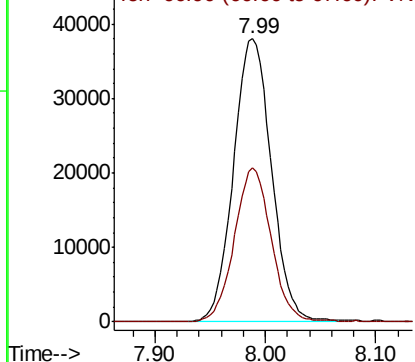


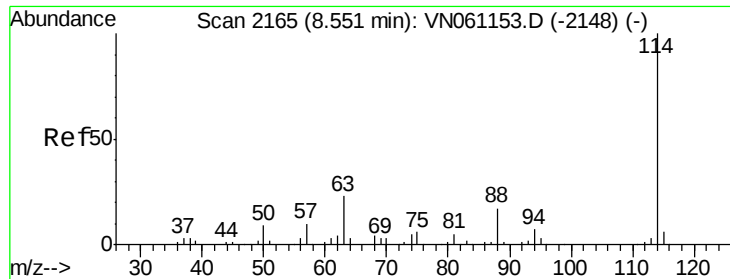
#33
1,2-Dichloroethane-d4
Concen: 49.090 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Tgt Ion: 65 Resp: 90677
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.6



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

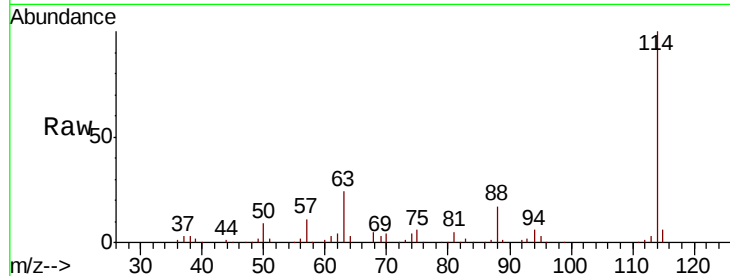




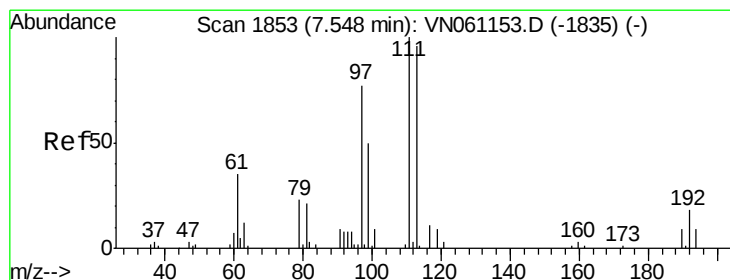
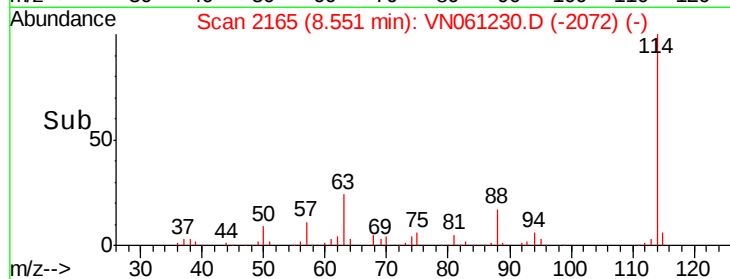
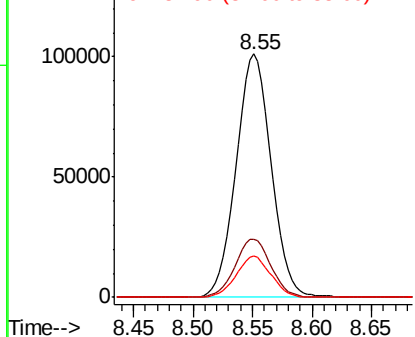
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 207054
Ion Ratio Lower Upper
114 100
63 24.1 0.0 46.6
88 16.9 0.0 33.4

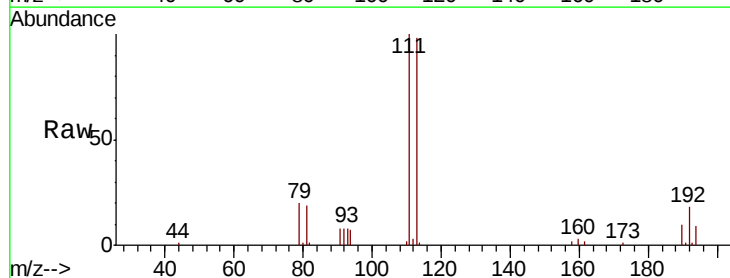


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

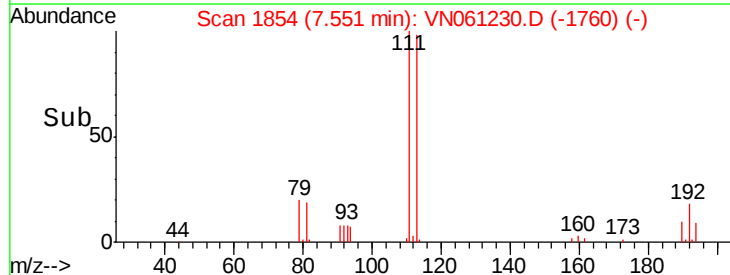
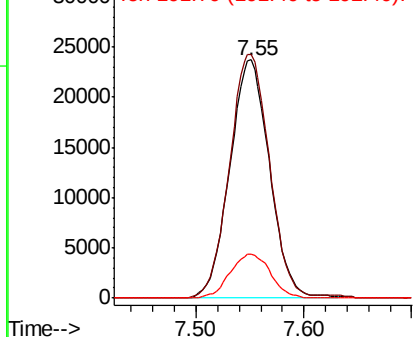


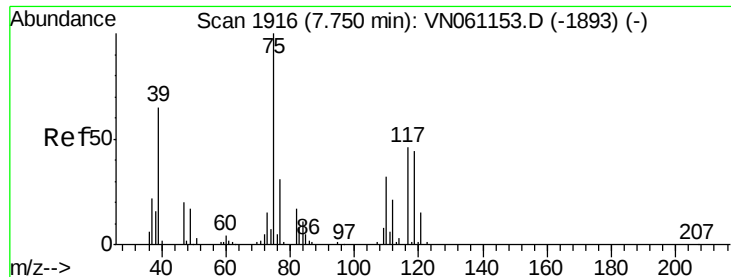
#35
Dibromofluoromethane
Concen: 49.749 ug/l
RT: 7.55 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Tgt Ion:113 Resp: 60911
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.7 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

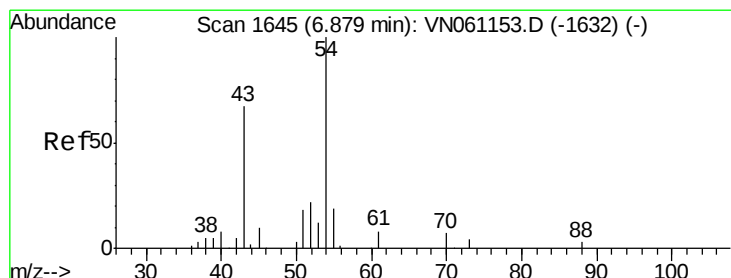
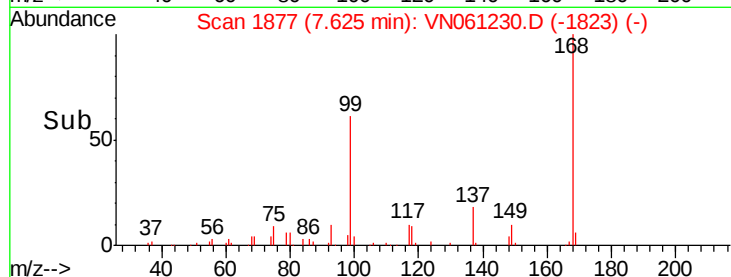
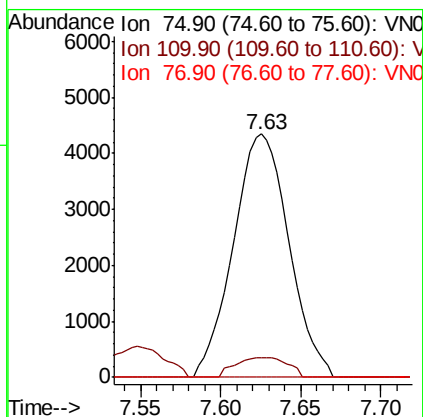
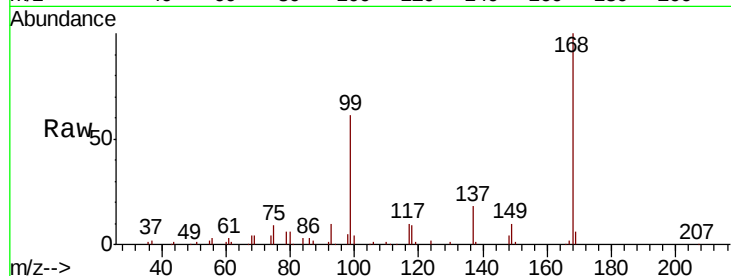




#36
 1,1-Dichloropropene
 Concen: 4.978 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061230.D
 Acq: 1 May 2020 15:08

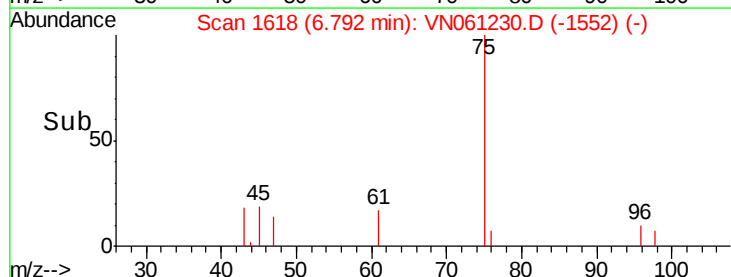
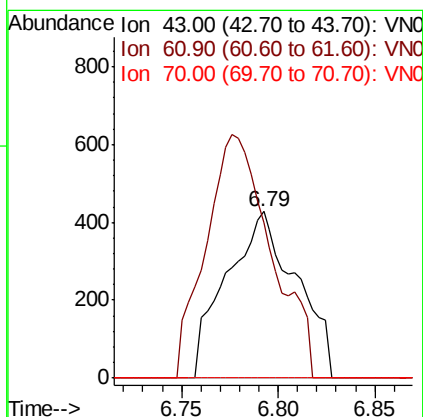
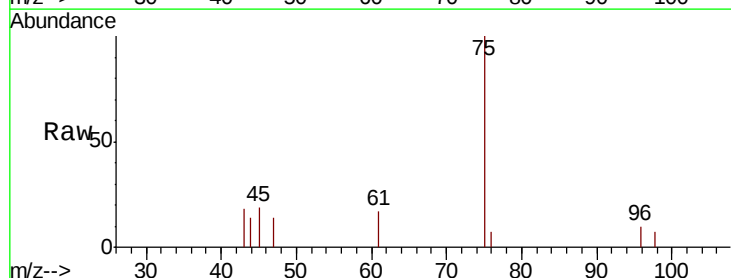
Instrument :
 MSVOA_N
 ClientSampled :

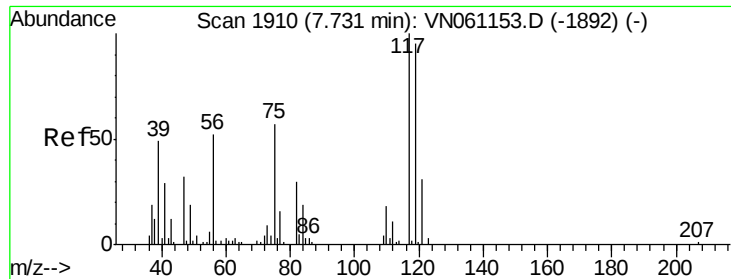
Tot Ion	75	Resp	10318
Ion Ratio	100	Lower	Upper
75	100		
110	7.6	16.0	48.0#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 0.443 ug/l
 RT: 6.79 min Scan# 1618
 Delta R.T. -0.09 min
 Lab File: VN061230.D
 Acq: 1 May 2020 15:08

Tgt Ion	43	Resp	1076
Ion Ratio	100	Lower	Upper
43	100		
61	136.0	10.2	15.2#
70	0.0	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 8.150 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061230.D

Acq: 1 May 2020 15:08

Instrument :

MSVOA_N

ClientSampled :

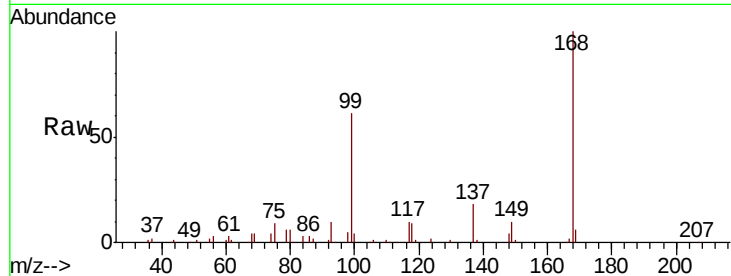
Tot Ion:117 Resp: 11620

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

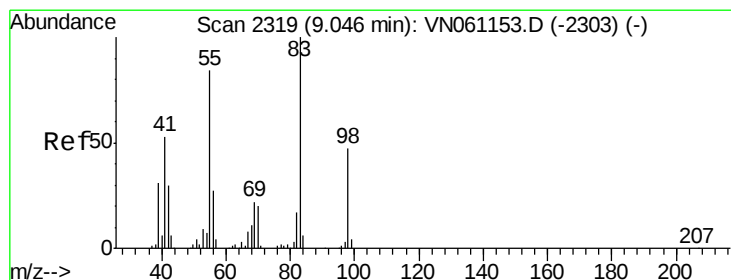
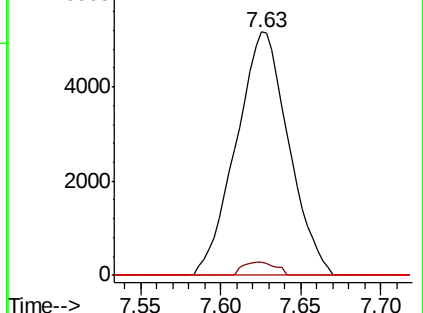
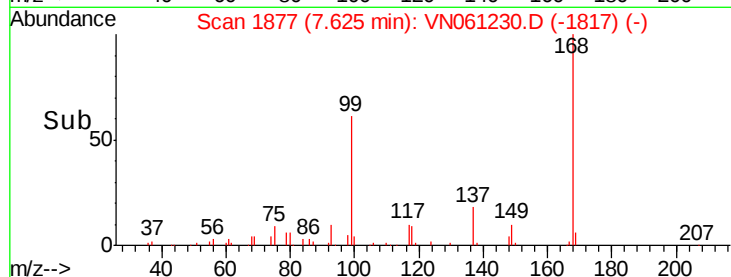
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.394 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. -0.24 min

Lab File: VN061230.D

Acq: 1 May 2020 15:08

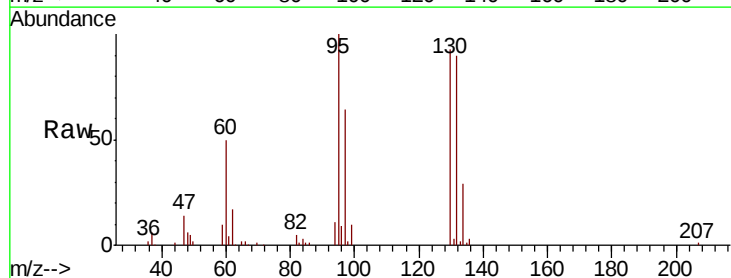
Tgt Ion: 83 Resp: 915

Ion Ratio Lower Upper

83 100

55 0.0 67.3 100.9#

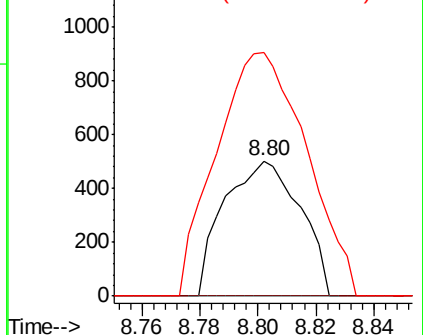
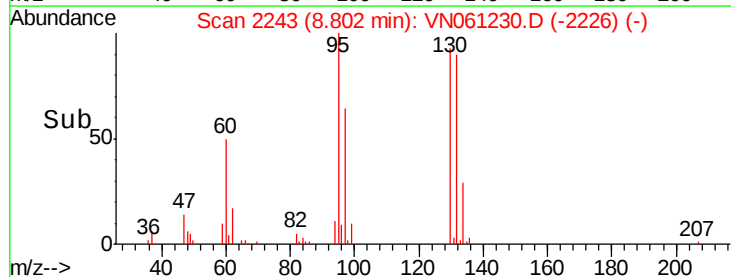
98 139.6 37.7 56.5#

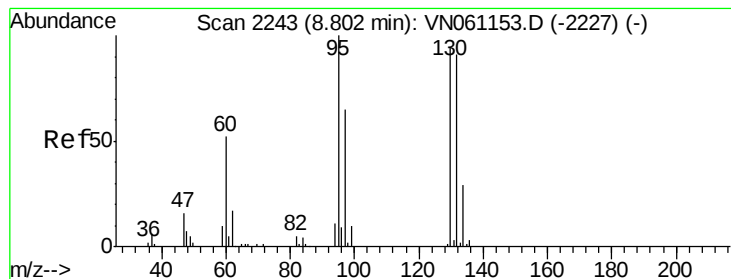


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 46.320 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061230.D

Acq: 1 May 2020 15:08

Instrument :

MSVOA_N

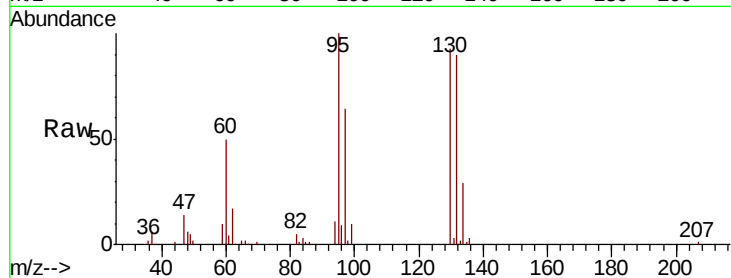
ClientSampleId :

Tot Ion:130 Resp: 77323

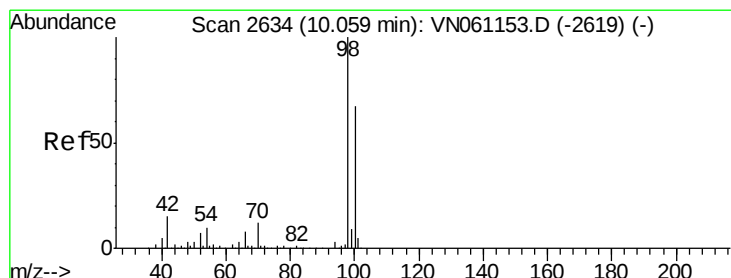
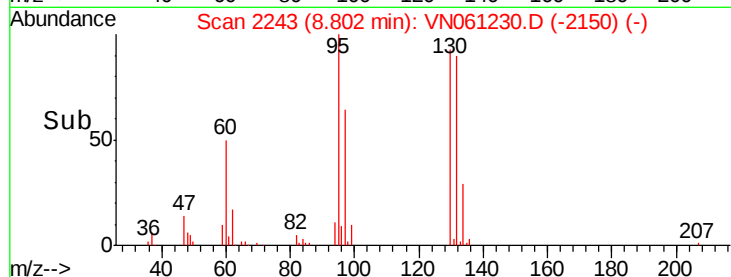
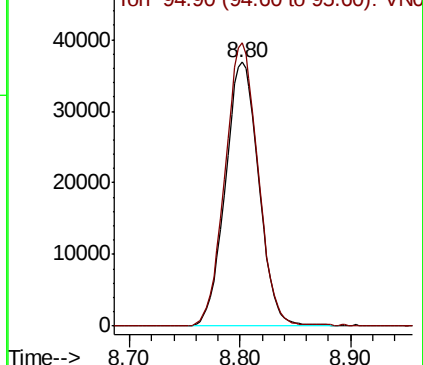
Ion Ratio Lower Upper

130 100

95 107.3 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061230.D (-2150) (-)



#50

Toluene-d8

Concen: 51.595 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VN061230.D

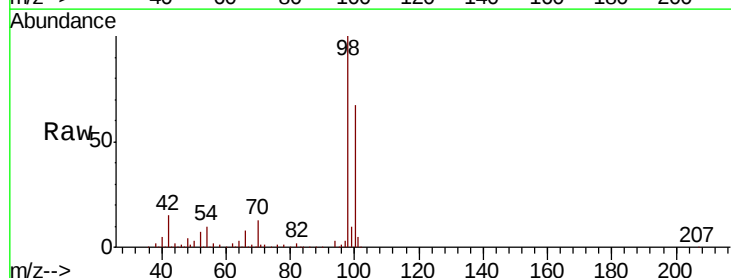
Acq: 1 May 2020 15:08

Tgt Ion: 98 Resp: 257519

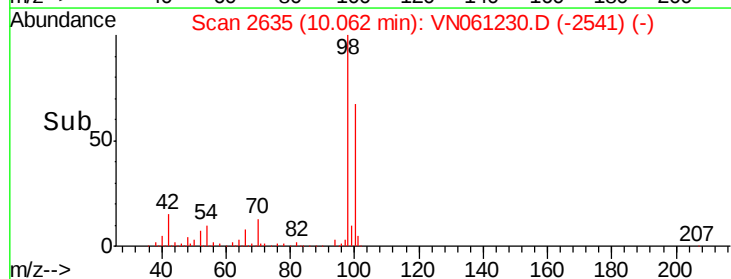
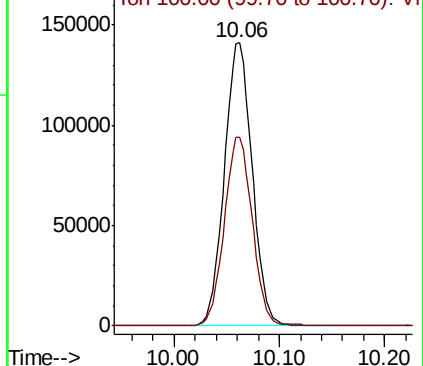
Ion Ratio Lower Upper

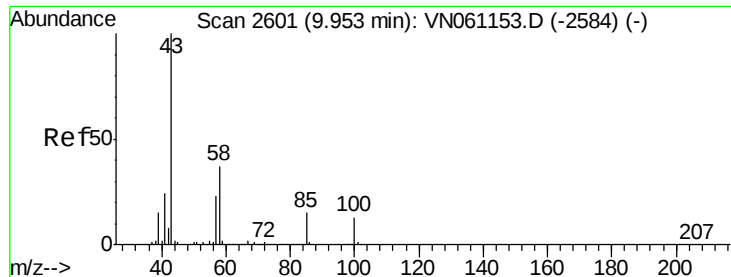
98 100

100 66.8 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061230.D (-2541) (-)

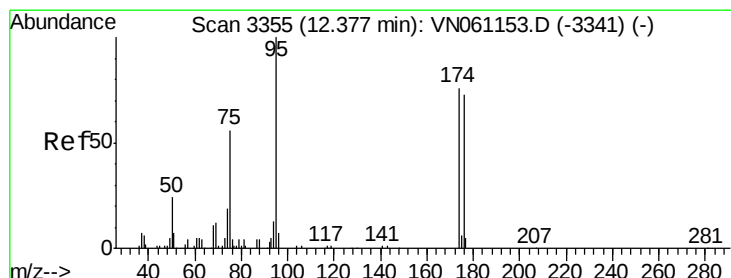
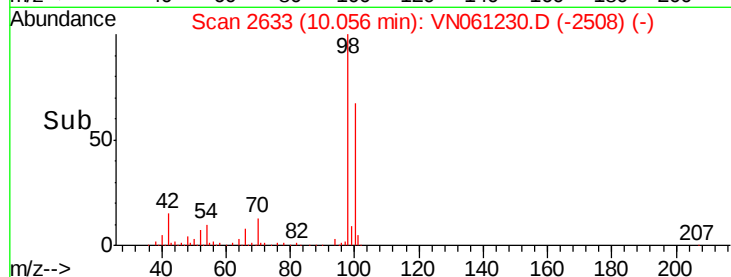
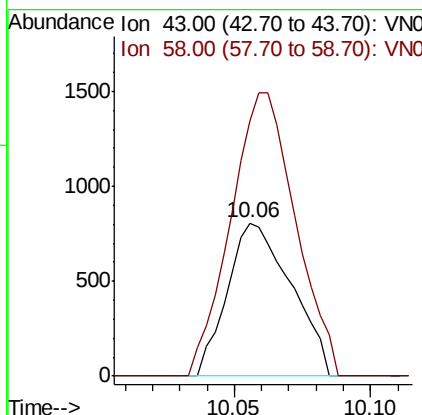
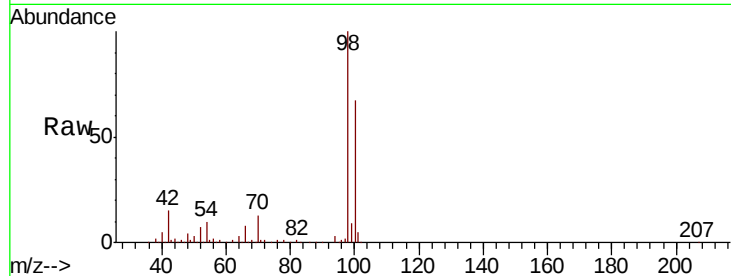




#51
 4-Methyl-2-Pentanone
 Concen: 0.554 ug/l
 RT: 10.06 min Scan# 2633
 Delta R.T. 0.10 min
 Lab File: VN061230.D
 Acq: 1 May 2020 15:08

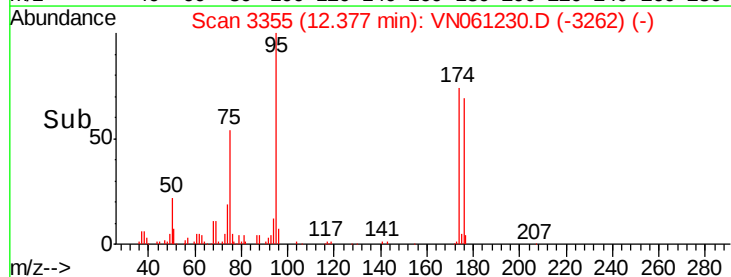
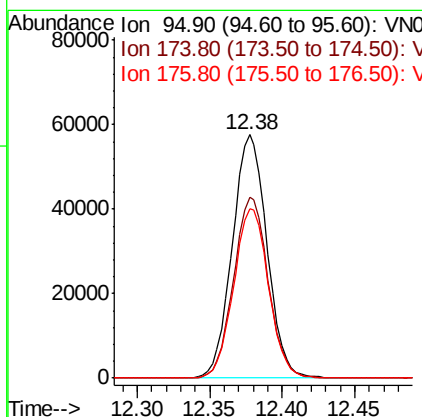
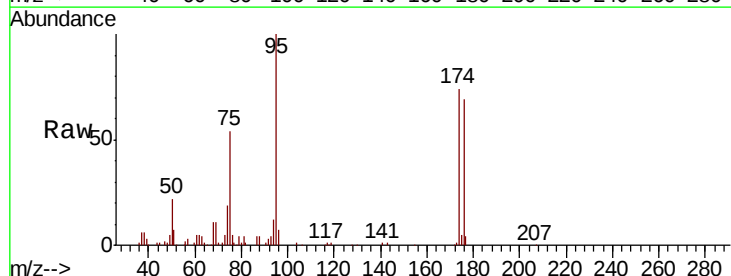
Instrument :
 MSVOA_N
 ClientSampleId :

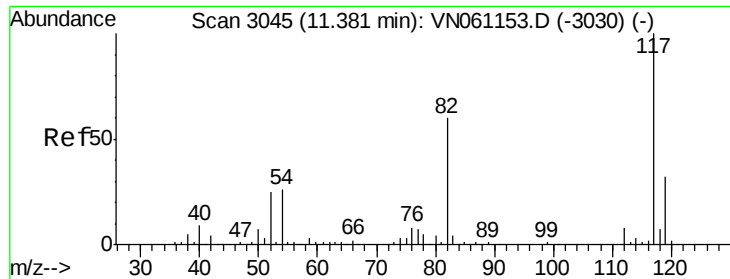
Tot Ion: 43 Resp: 1315
 Ion Ratio Lower Upper
 43 100
 58 186.9 29.1 43.7#



#62
 4-Bromofluorobenzene
 Concen: 50.847 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061230.D
 Acq: 1 May 2020 15:08

Tgt Ion: 95 Resp: 95503
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 149.4
 176 70.2 0.0 144.8

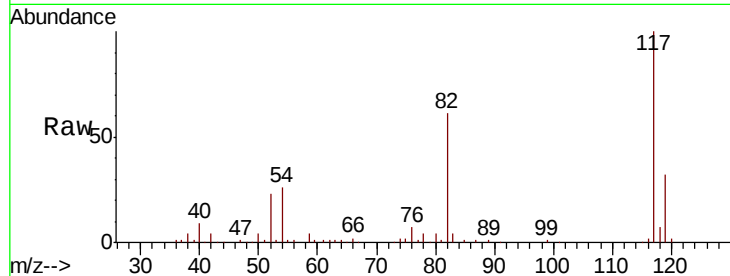




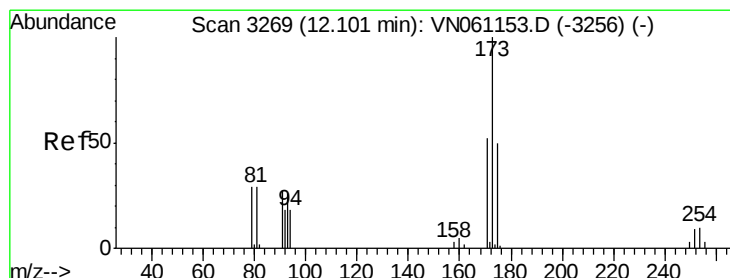
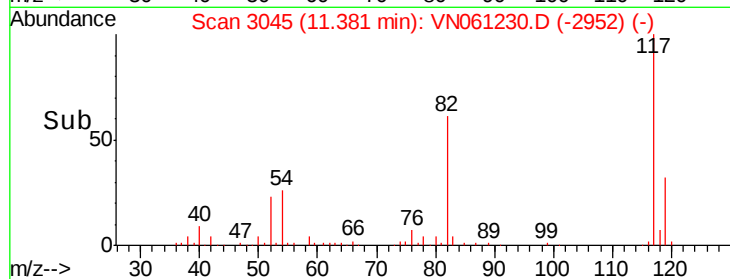
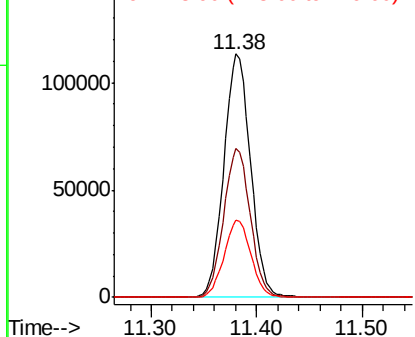
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 198198
Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 31.8 25.8 38.6

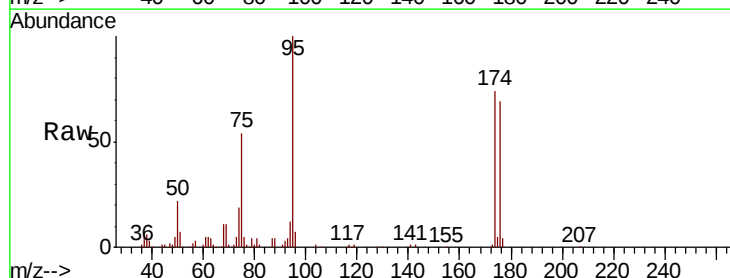


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

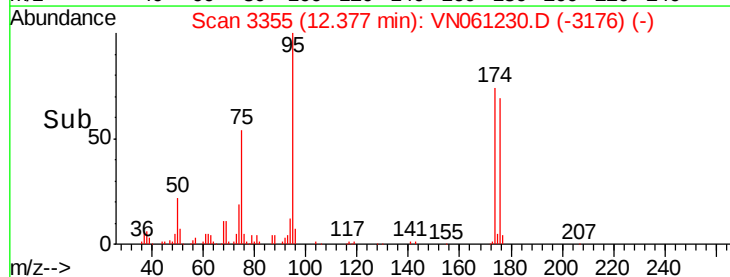
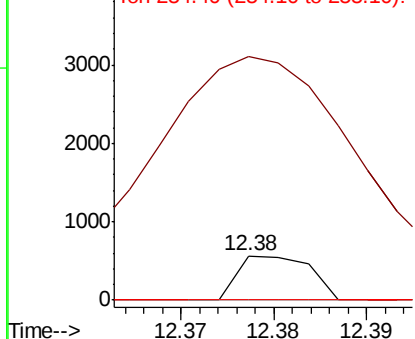


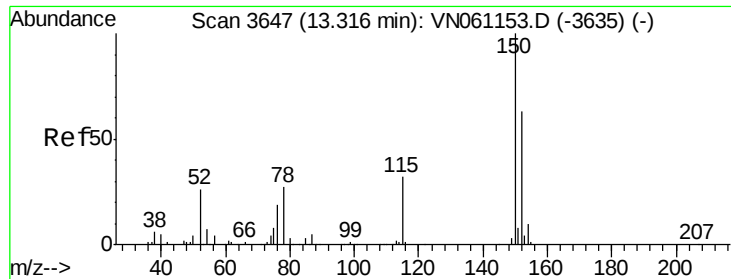
#71
Bromoform
Concen: 0.293 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.28 min
Lab File: VN061230.D
Acq: 1 May 2020 15:08

Tgt Ion:173 Resp: 303
Ion Ratio Lower Upper
173 100
175 1412.2 24.1 72.4#
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061230.D

Acq: 1 May 2020 15:08

Instrument :

MSVOA_N

ClientSampleId :

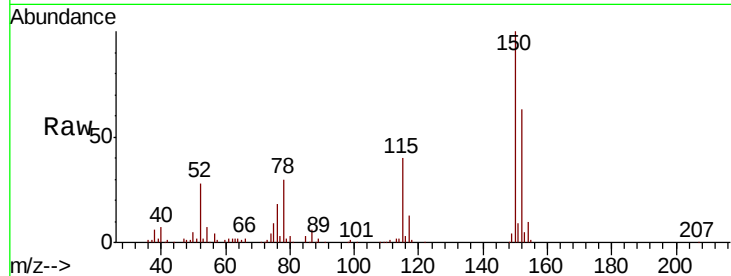
Tot Ion:152 Resp: 87852

Ion Ratio Lower Upper

152 100

115 62.3 31.0 93.0

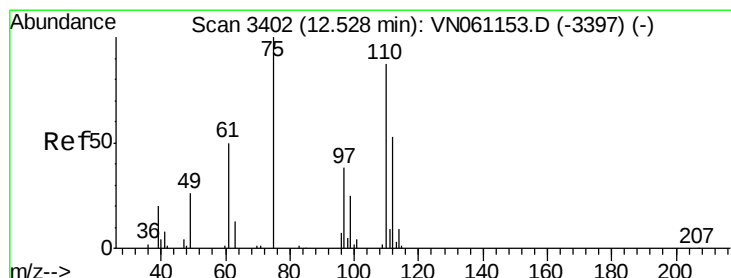
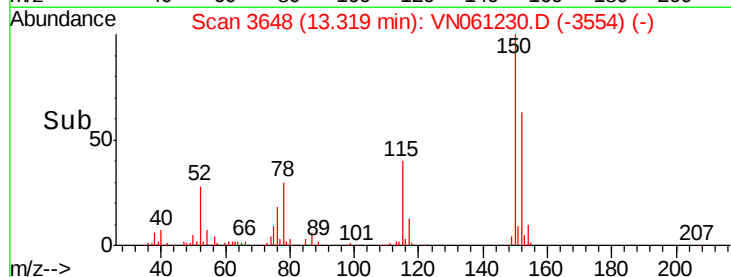
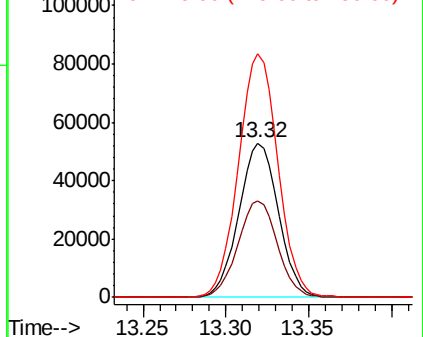
150 157.4 0.0 351.8



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: 28.177 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061230.D

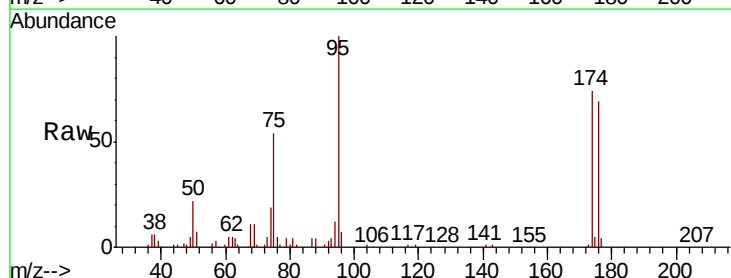
Acq: 1 May 2020 15:08

Tgt Ion: 75 Resp: 52188

Ion Ratio Lower Upper

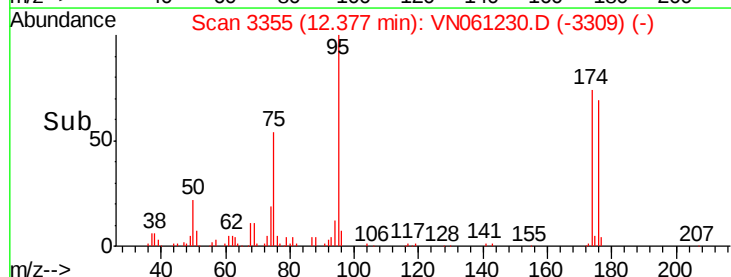
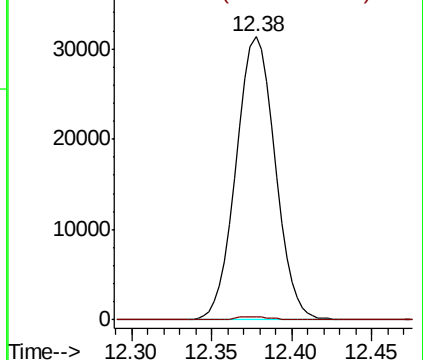
75 100

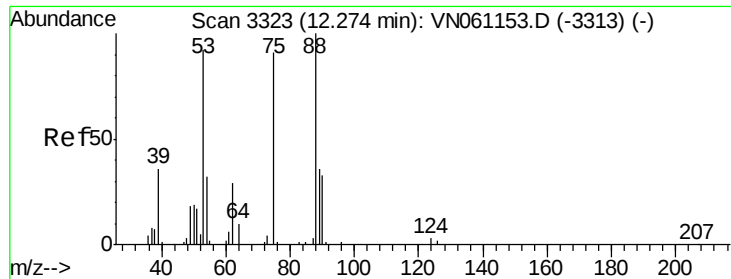
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.555 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061230.D

Acq: 1 May 2020 15:08

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 52188

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

