

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061225.D
 Acq On : 1 May 2020 13:12
 Operator : JC/MD
 Sample : L2383-02
 Misc : 4.51g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 04 00:53:16 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	7.62	168	108070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	188638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	177981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83110	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	81412	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
35) Dibromofluoromethane	7.54	113	53720	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	10.06	98	234830	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.38	95	89371	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	

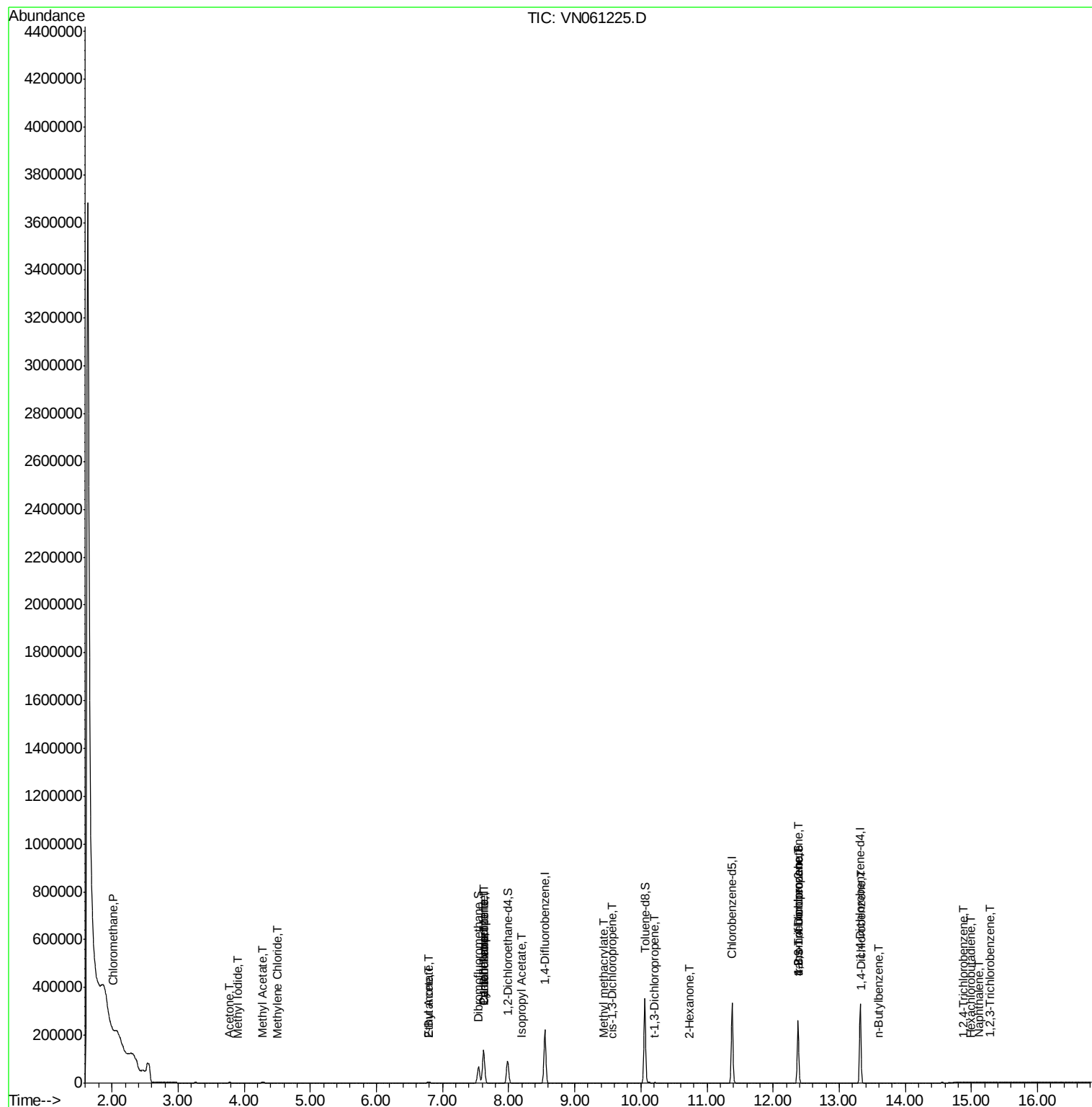
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	319	0.230	ug/l #	42
10) Methyl Iodide	3.89	142	299	0.203	ug/l #	49
16) Acetone	3.78	43	5285	2.522	ug/l	100
18) Methyl Acetate	4.28	43	7308	4.019	ug/l #	86
20) Methylene Chloride	4.49	84	358	0.268	ug/l #	26
25) 2-Butanone	6.80	43	1651	1.632	ug/l #	53
31) Cyclohexane	7.62	56	2691	1.082	ug/l #	21
36) 1,1-Dichloropropene	7.62	75	9415	4.986	ug/l #	49
37) Ethyl Acetate	6.80	43	1651	0.746	ug/l #	71
38) Carbon Tetrachloride	7.62	117	11133	8.453	ug/l #	16
43) Isopropyl Acetate	8.20	43	736	0.200	ug/l #	57
48) Methyl methacrylate	9.44	41	542	0.327	ug/l #	34
53) t-1,3-Dichloropropene	10.21	75	1450	0.644	ug/l #	43
54) cis-1,3-Dichloropropene	9.56	75	597	0.251	ug/l #	28
59) 2-Hexanone	10.73	43	544	0.346	ug/l #	52
76) 1,2,3-Trichloropropane	12.38	75	48530	27.697	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48530	70.336	ug/l #	8
88) 1,4-Dichlorobenzene	13.34	146	723	0.273	ug/l #	44
89) n-Butylbenzene	13.59	91	1091	0.227	ug/l	95
93) 1,2,4-Trichlorobenzene	14.89	180	804	0.530	ug/l	93
94) Hexachlorobutadiene	14.98	225	283	0.447	ug/l	81
95) Naphthalene	15.11	128	2850	0.577	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.29	180	809	0.540	ug/l	92

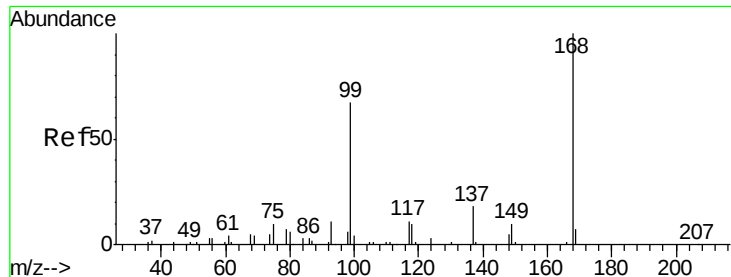
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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Quant Time: May 04 00:53:16 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

Instrument :

MSVOA_N

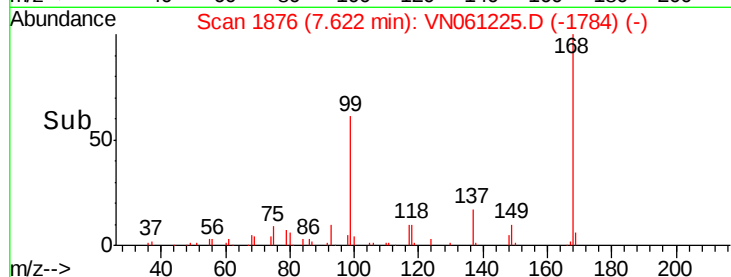
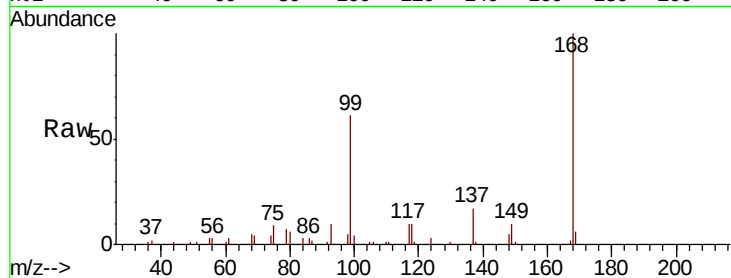
ClientSampled :

Tot Ion:168 Resp: 108070

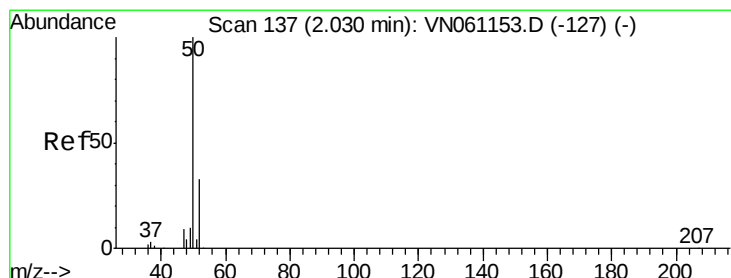
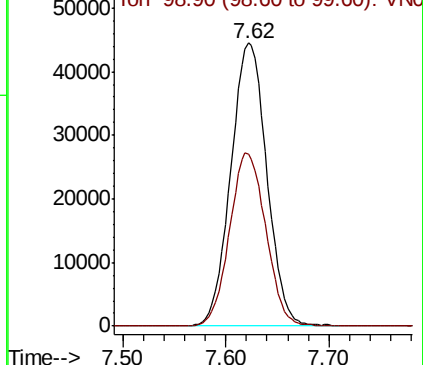
Ion Ratio Lower Upper

168 100

99 61.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): VN061225.D (-168) (-)



#3

Chloromethane

Concen: 0.230 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061225.D

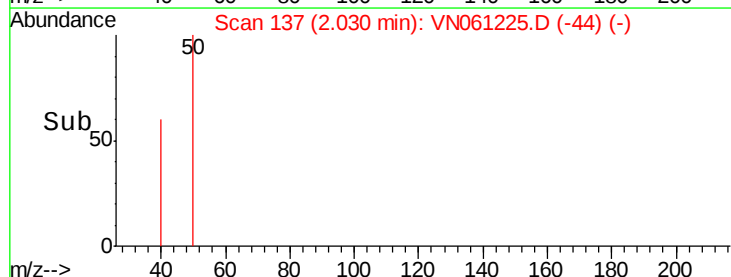
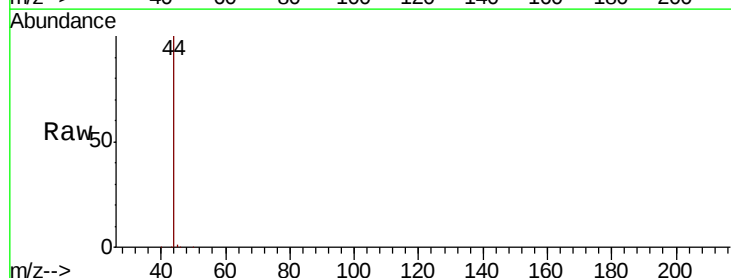
Acq: 1 May 2020 13:12

Tgt Ion: 50 Resp: 319

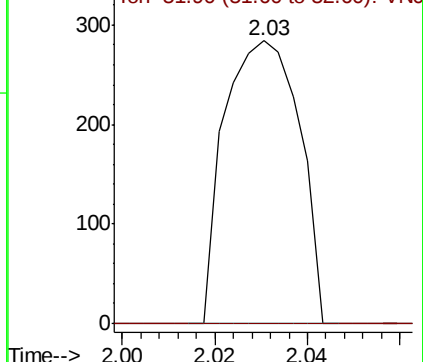
Ion Ratio Lower Upper

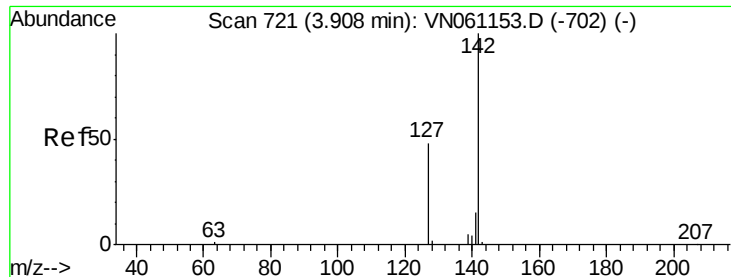
50 100

52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN061225.D (-50) (-)

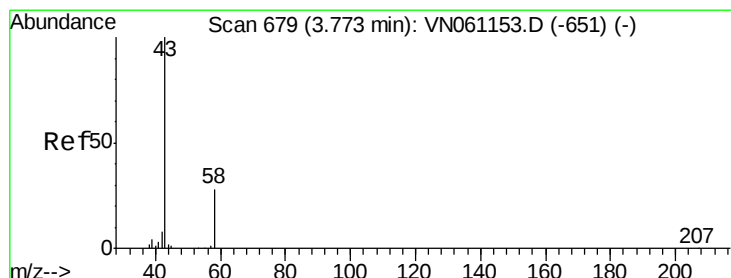
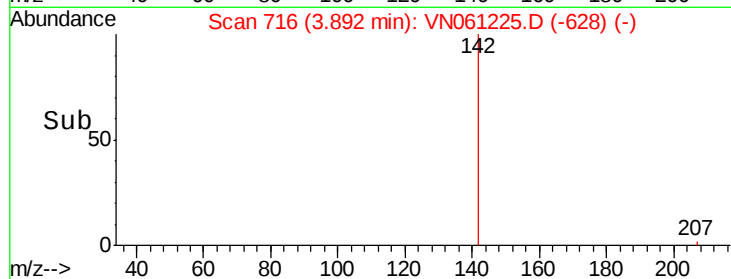
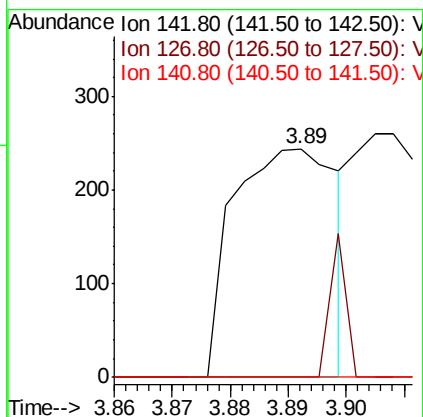
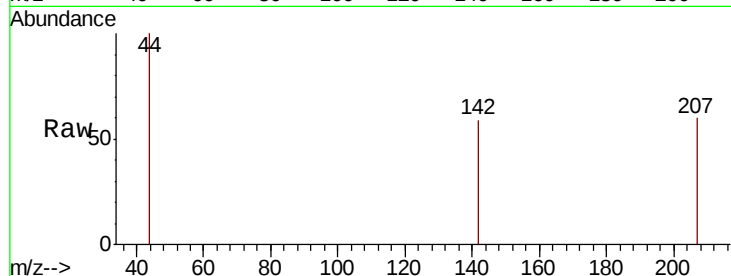




#10
Methvl Iodide
Concen: 0.203 ug/l
RT: 3.89 min Scan# 716
Delta R.T. -0.02 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

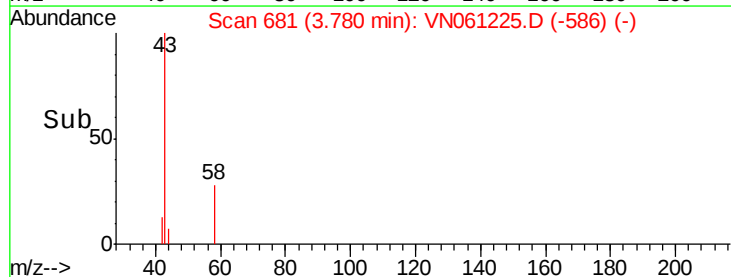
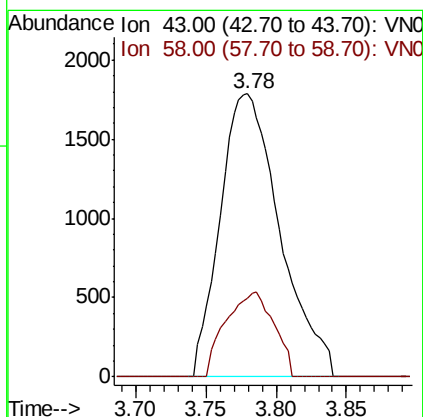
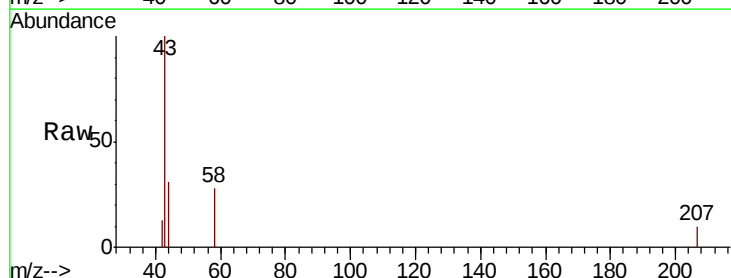
Instrument :
MSVOA_N
ClientSampleId :

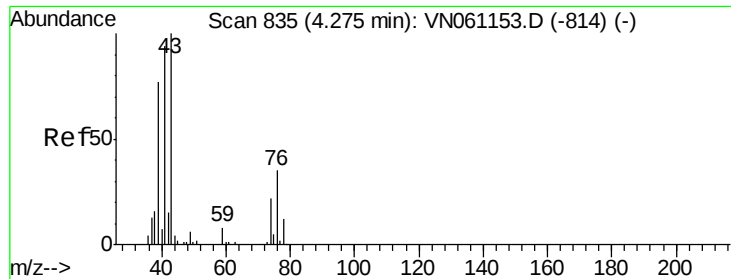
Tot Ion:142 Resp: 299
Ion Ratio Lower Upper
142 100
127 9.7 38.0 57.0#
141 0.0 11.7 17.5#



#16
Acetone
Concen: 2.522 ug/l
RT: 3.78 min Scan# 681
Delta R.T. 0.01 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

Tgt Ion: 43 Resp: 5285
Ion Ratio Lower Upper
43 100
58 27.5 22.2 33.2

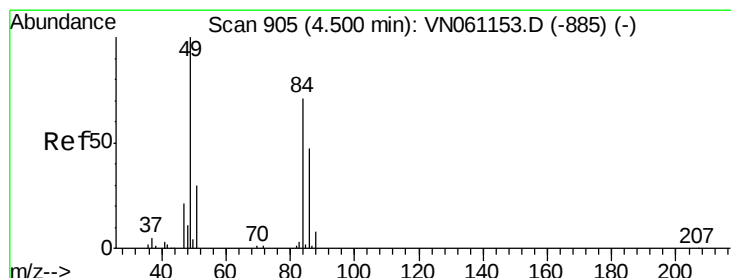
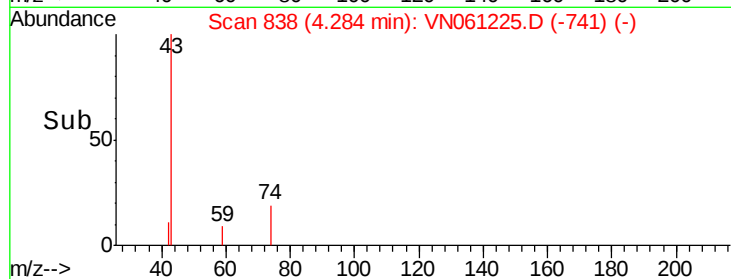
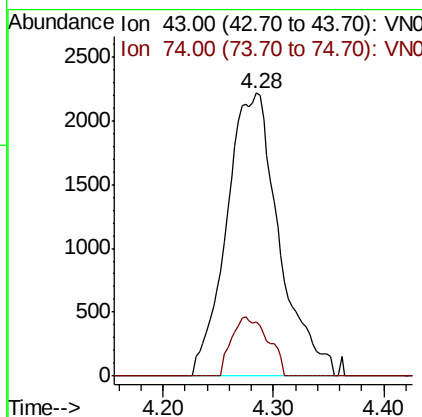
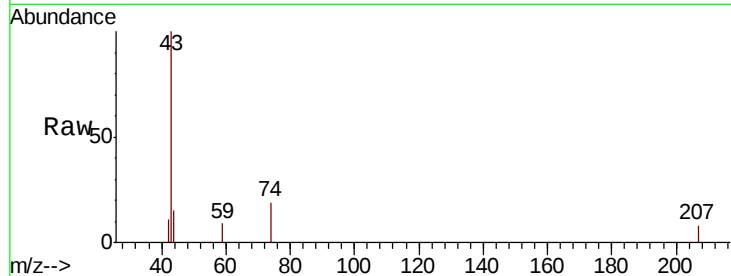




#18
Methyl Acetate
Concen: 4.019 ug/l
RT: 4.28 min Scan# 838
Delta R.T. 0.01 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

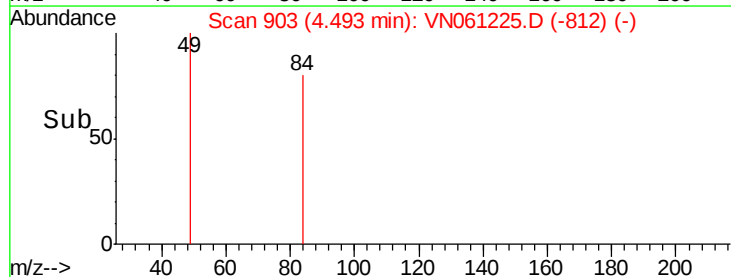
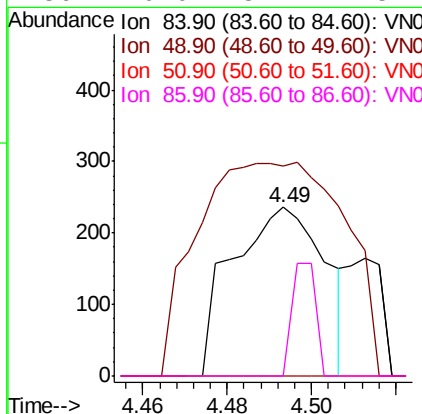
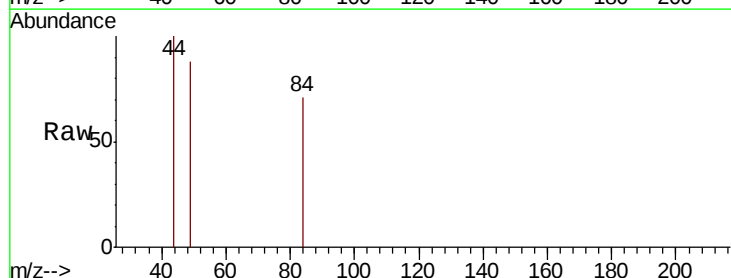
Instrument :
MSVOA_N
ClientSampled :

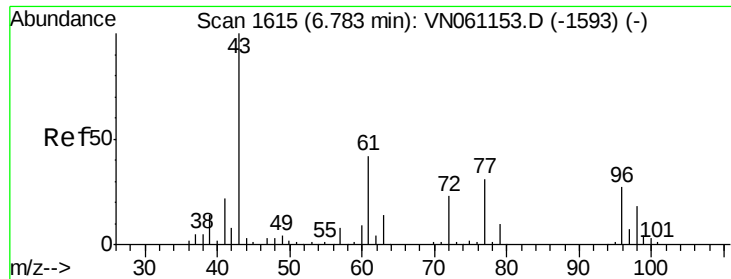
Tot Ion: 43 Resp: 7308
Ion Ratio Lower Upper
43 100
74 14.5 17.0 25.4#



#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 4.49 min Scan# 903
Delta R.T. -0.01 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

Tgt Ion: 84 Resp: 358
Ion Ratio Lower Upper
84 100
49 51.3 112.0 168.0#
51 0.0 33.6 50.4#
86 0.0 52.1 78.1#





#25

2-Butanone

Concen: 1.632 ug/l

RT: 6.80 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

Instrument :

MSVOA_N

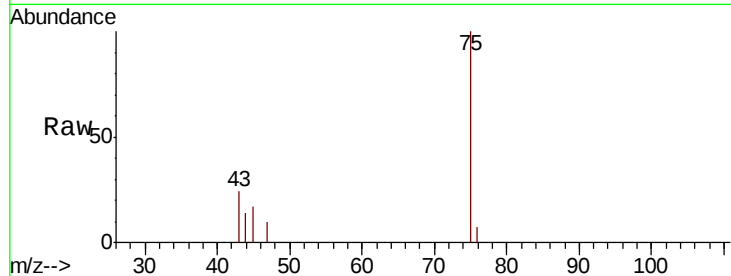
ClientSampleId :

Tot Ion: 43 Resp: 1651

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

500

400

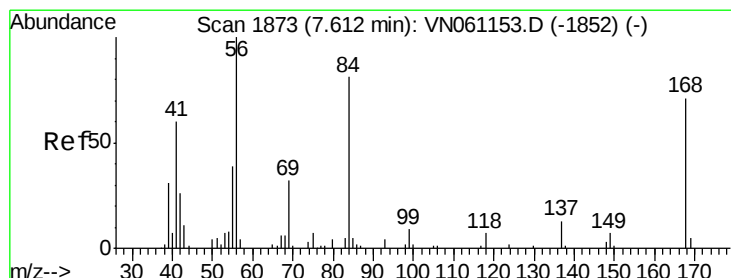
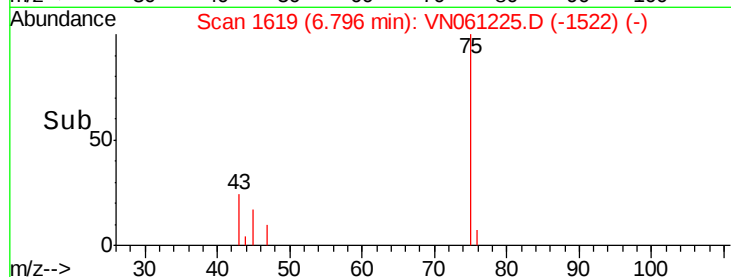
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.082 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. 0.01 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

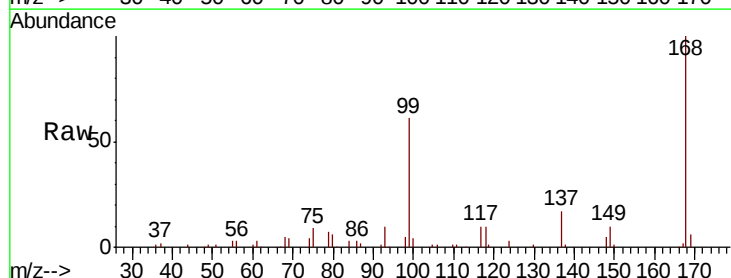
Tgt Ion: 56 Resp: 2691

Ion Ratio Lower Upper

56 100

69 137.9 25.7 38.5#

84 112.4 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

2500

2000

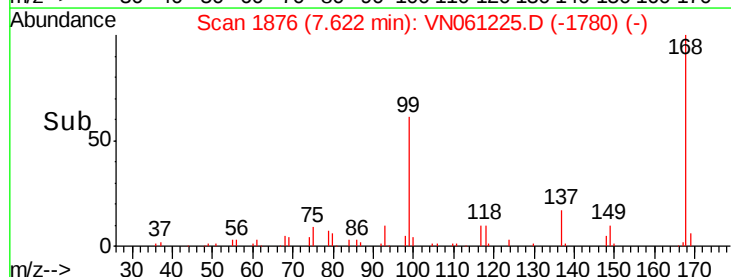
1500

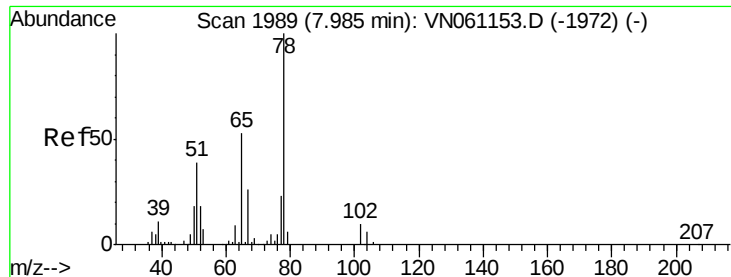
1000

500

0

Time-->

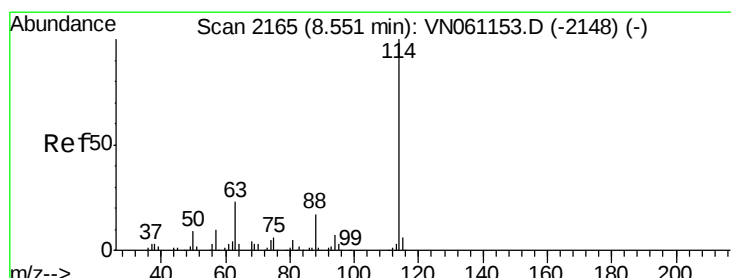
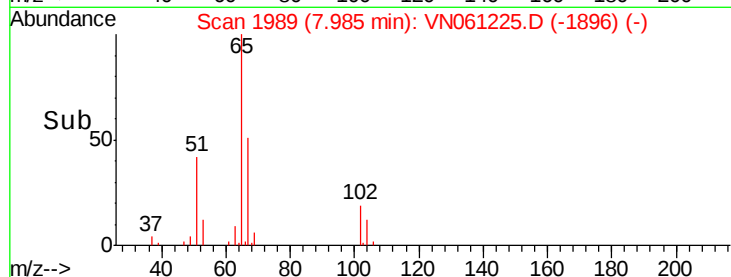
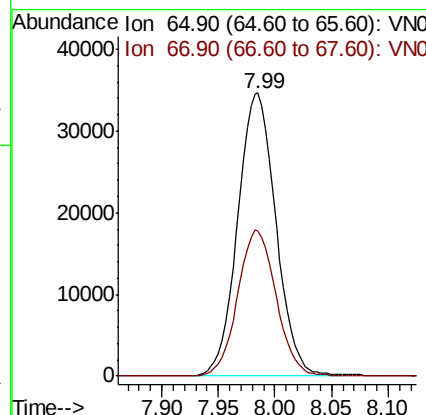
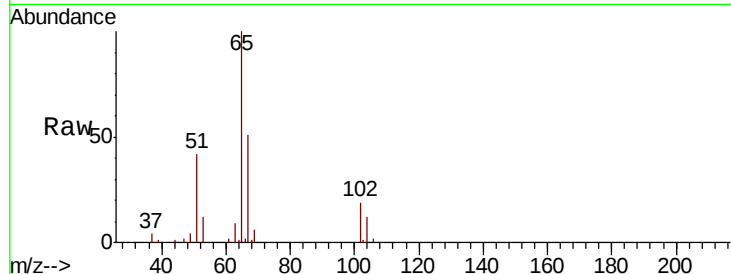




#33
 1,2-Dichloroethane-d4
 Concen: 47.609 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061225.D
 Acq: 1 May 2020 13:12

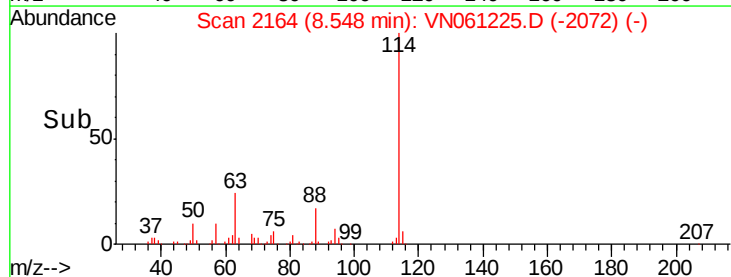
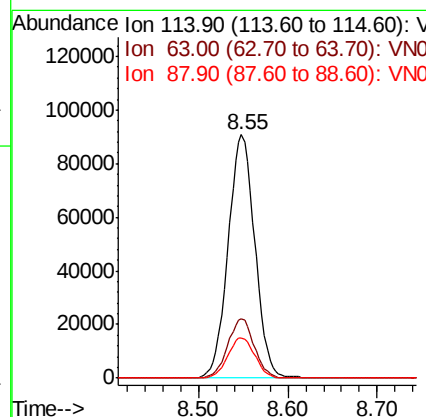
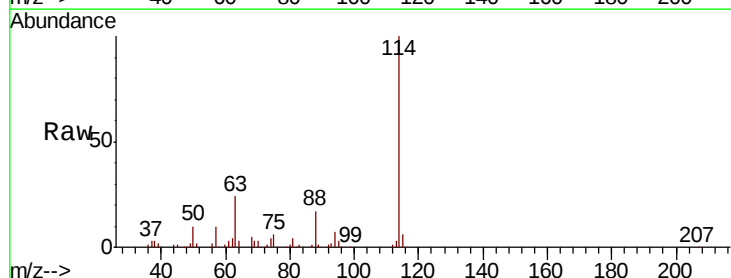
Instrument :
 MSVOA_N
 ClientSampleId :

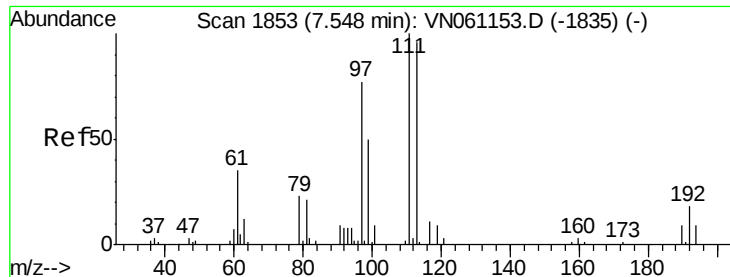
Tot Ion: 65 Resp: 81412
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061225.D
 Acq: 1 May 2020 13:12

Tgt Ion: 114 Resp: 188638
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 46.6
 88 16.6 0.0 33.4

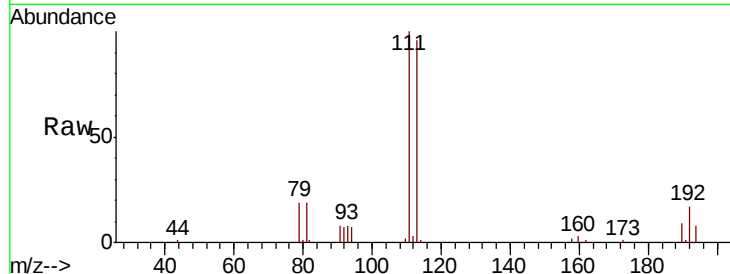




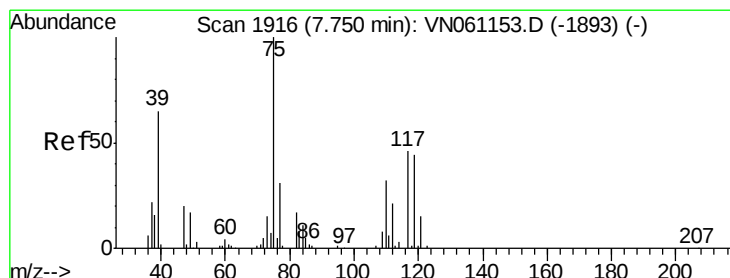
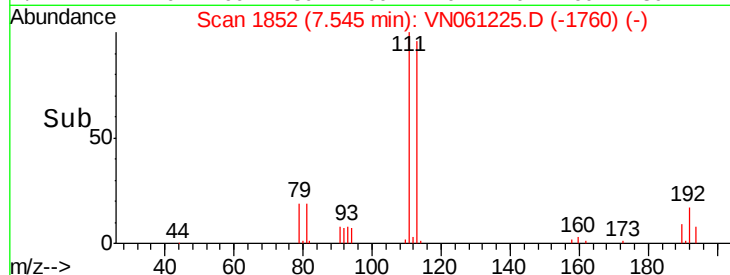
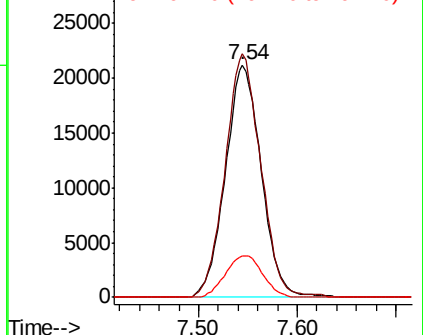
#35
 Dibromofluoromethane
 Concen: 48.159 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061225.D
 Acq: 1 May 2020 13:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 53720
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 18.5 14.7 22.1

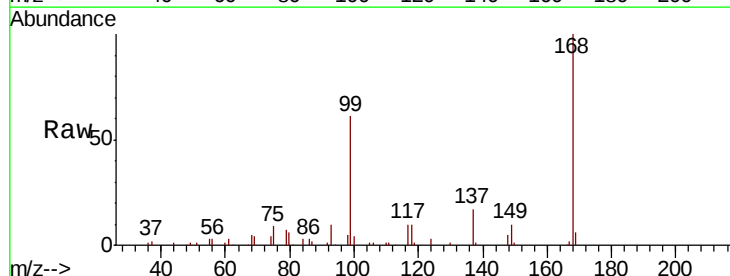


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

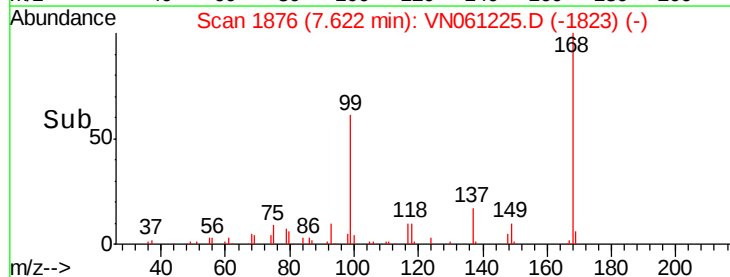
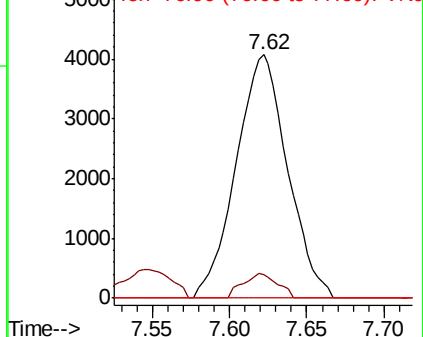


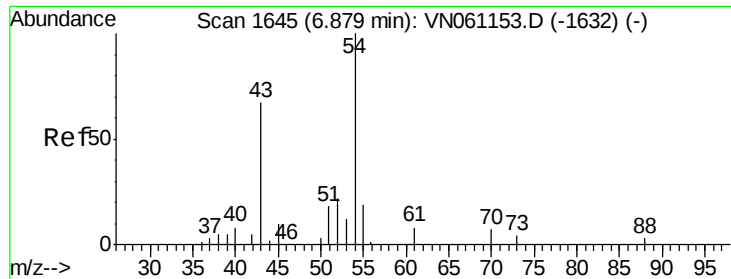
#36
 1,1-Dichloropropene
 Concen: 4.986 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061225.D
 Acq: 1 May 2020 13:12

Tgt Ion: 75 Resp: 9415
 Ion Ratio Lower Upper
 75 100
 110 6.7 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

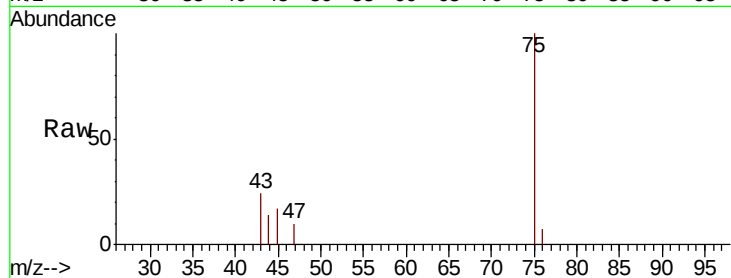




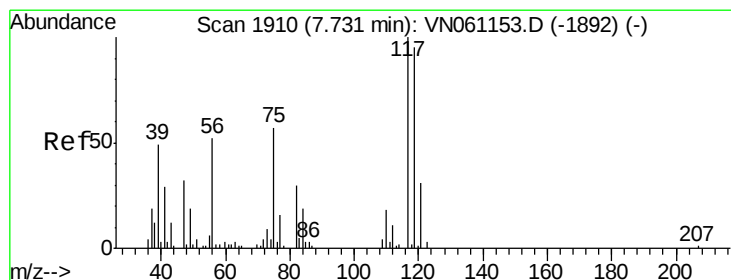
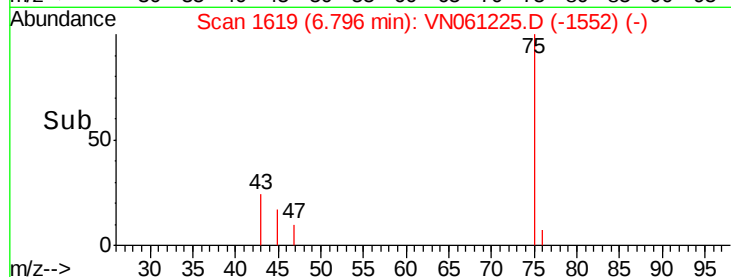
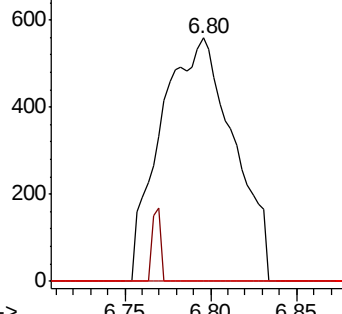
#37
Ethyl Acetate
Concen: 0.746 ug/l
RT: 6.80 min Scan# 1619
Delta R.T. -0.08 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 7.2 10.8#

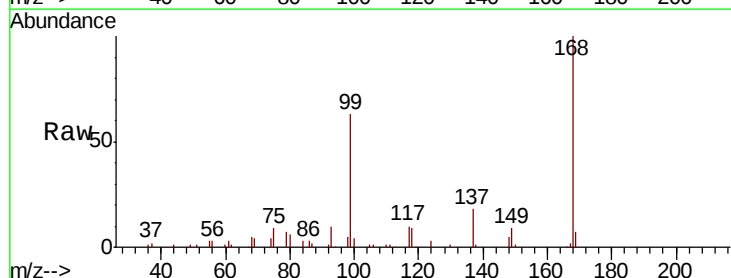


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

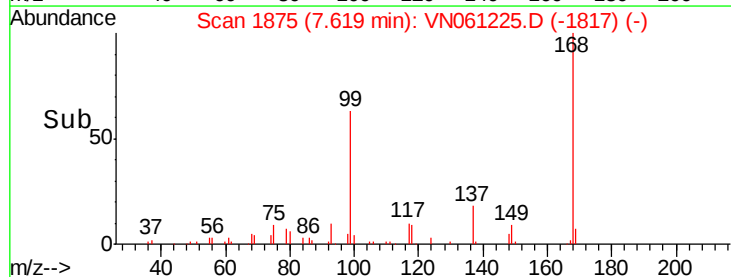
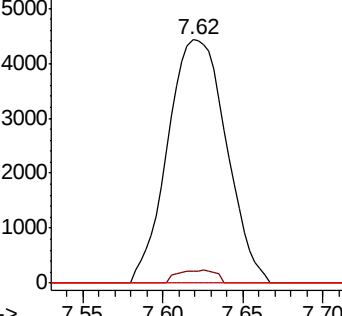


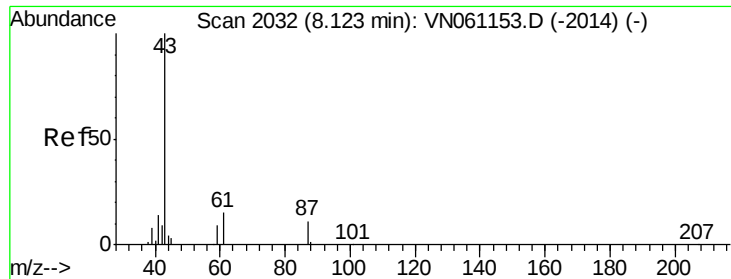
#38
Carbon Tetrachloride
Concen: 8.453 ug/l
RT: 7.62 min Scan# 1875
Delta R.T. -0.11 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

Tgt Ion: 117 Resp: 11133
Ion Ratio Lower Upper
117 100
119 4.7 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: 0.200 ug/l

RT: 8.20 min Scan# 2056

Delta R.T. 0.08 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

Instrument :

MSVOA_N

ClientSampled :

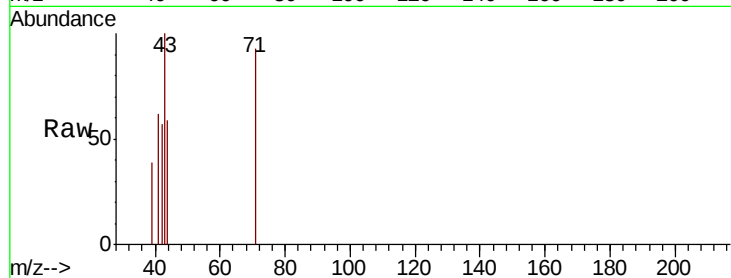
Tot Ion: 43 Resp: 736

Ion Ratio Lower Upper

43 100

61 0.0 19.5 29.3#

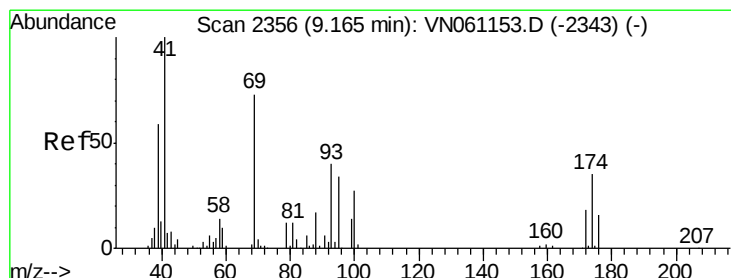
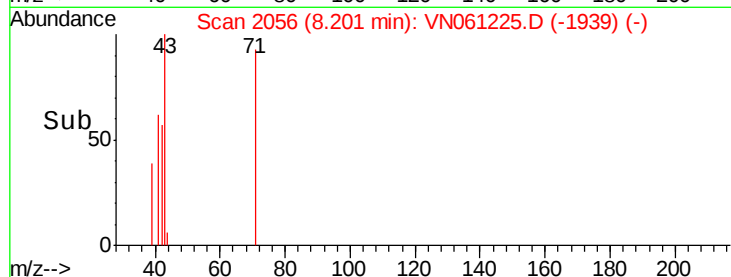
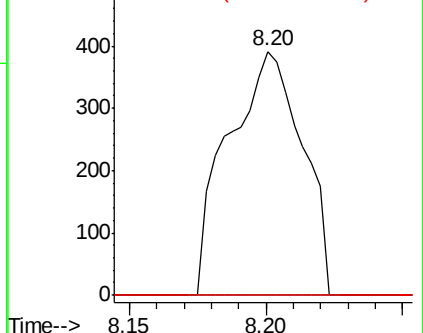
87 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.327 ug/l

RT: 9.44 min Scan# 2440

Delta R.T. 0.27 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

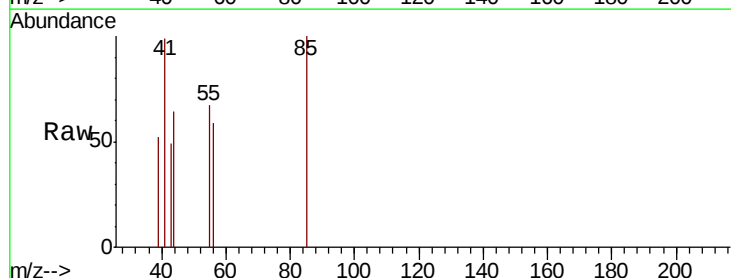
Tgt Ion: 41 Resp: 542

Ion Ratio Lower Upper

41 100

69 0.0 60.3 90.5#

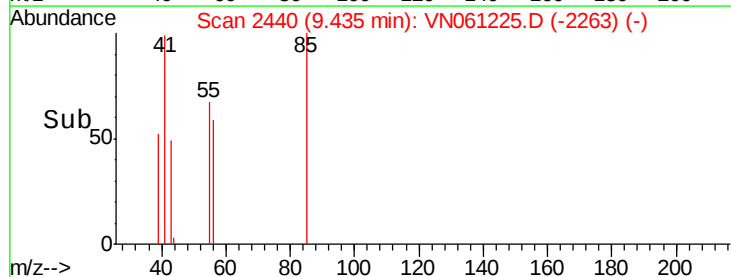
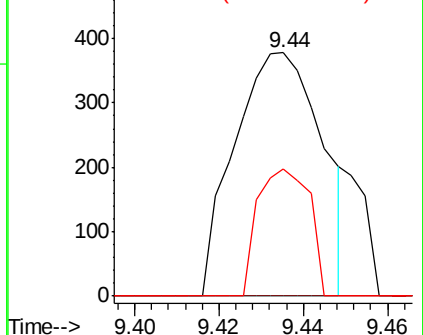
39 31.0 47.4 71.0#

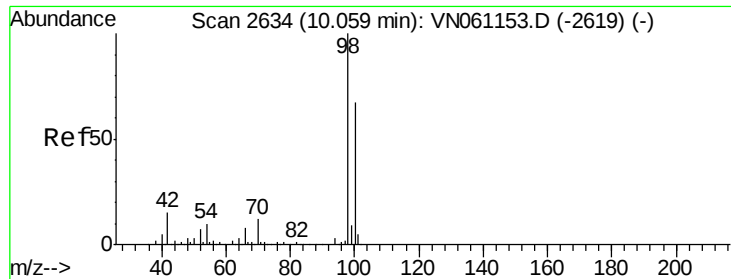


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

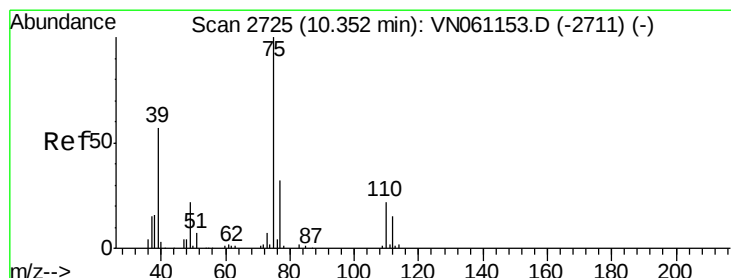
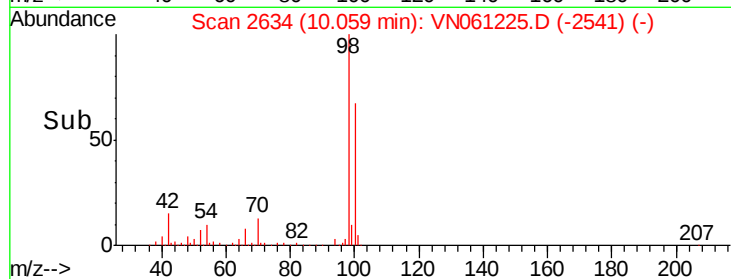
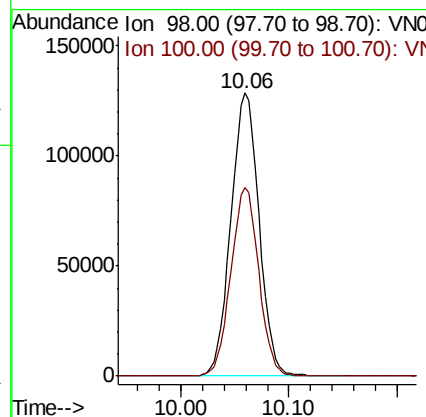
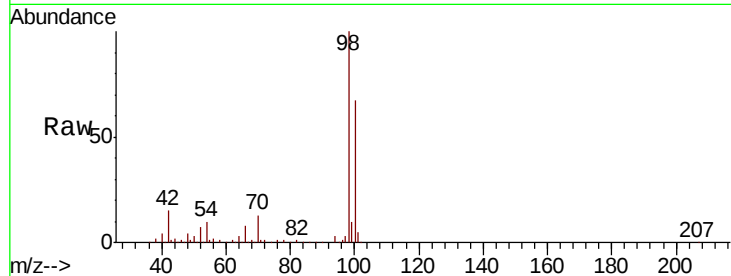




#50
Toluene-d8
Concen: 51.643 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

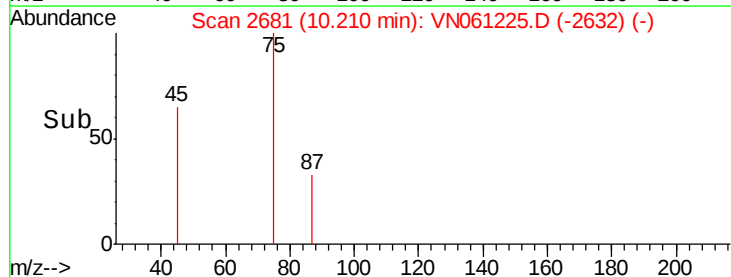
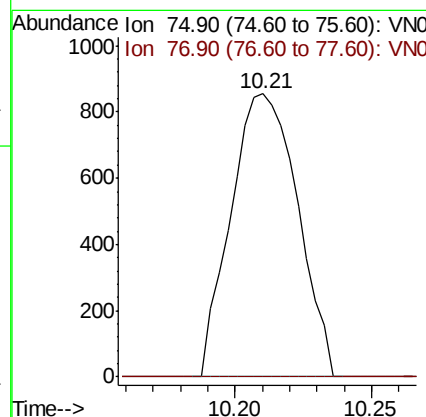
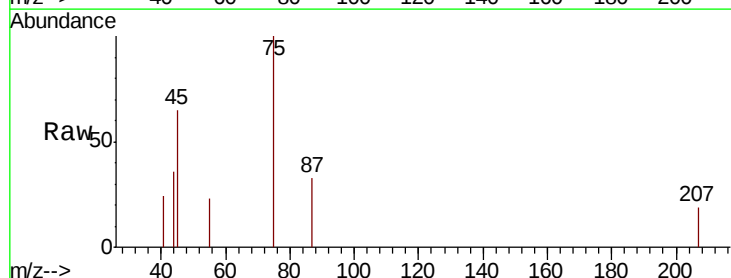
Instrument :
MSVOA_N
ClientSampled :

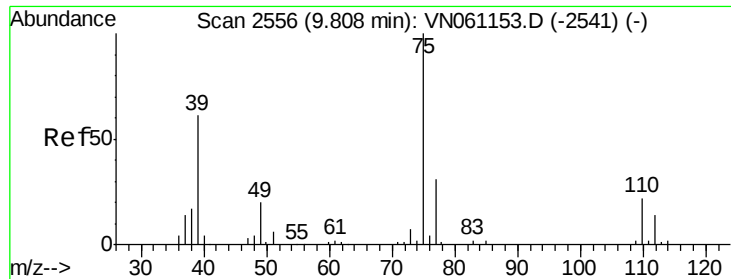
Tot Ion: 98 Resp: 234830
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



#53
t-1,3-Dichloropropene
Concen: 0.644 ug/l
RT: 10.21 min Scan# 2681
Delta R.T. -0.14 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

Tgt Ion: 75 Resp: 1450
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

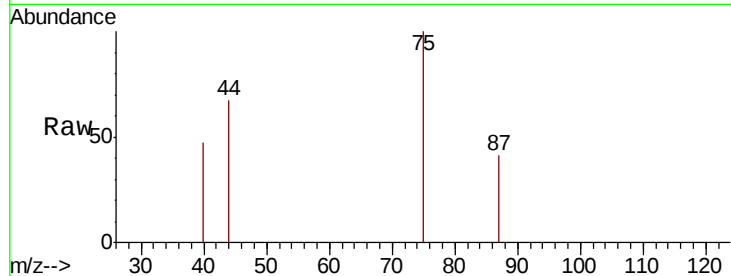




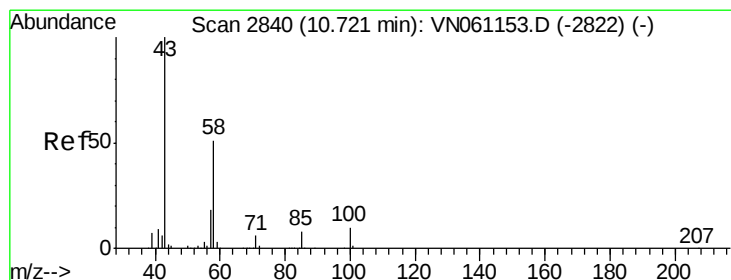
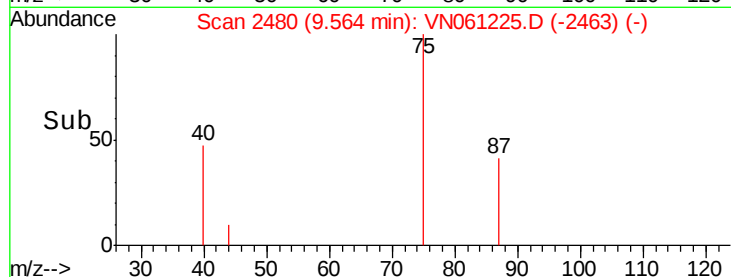
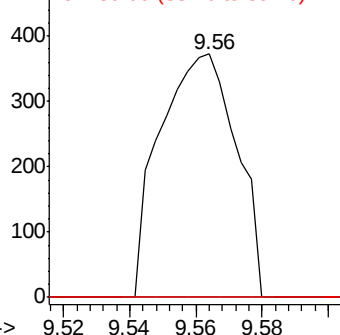
#54
 cis-1,3-Dichloropropene
 Concen: 0.251 ug/l
 RT: 9.56 min Scan# 2480
 Delta R.T. -0.24 min
 Lab File: VN061225.D
 Acq: 1 May 2020 13:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 597
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 0.0 48.7 73.1#

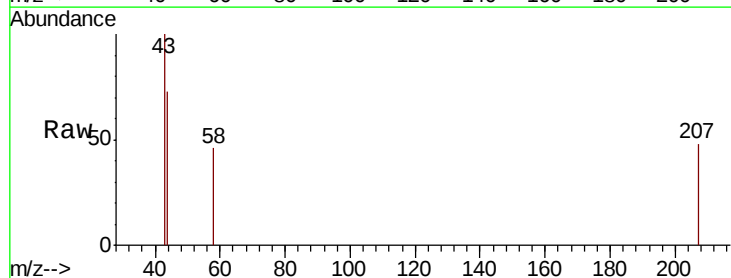


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

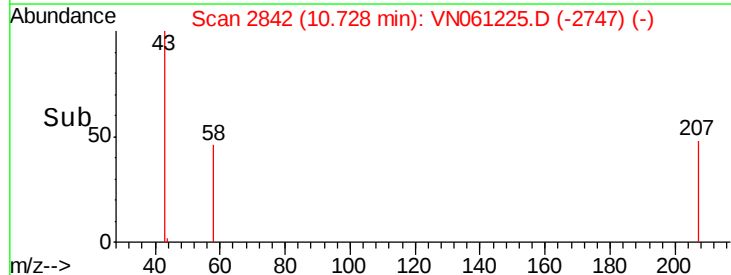
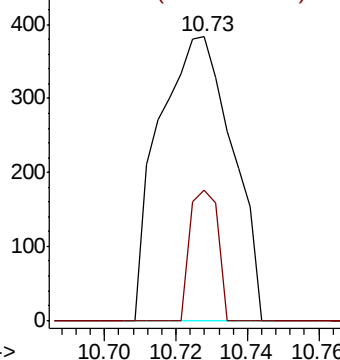


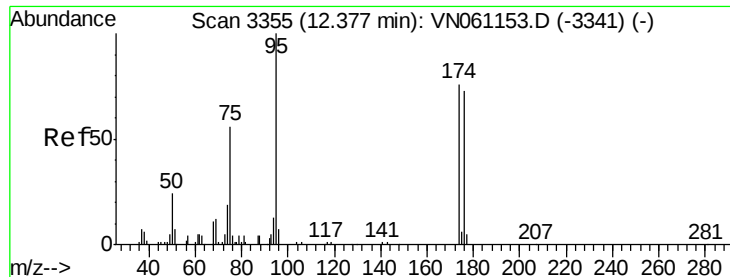
#59
 2-Hexanone
 Concen: 0.346 ug/l
 RT: 10.73 min Scan# 2842
 Delta R.T. 0.01 min
 Lab File: VN061225.D
 Acq: 1 May 2020 13:12

Tgt Ion: 43 Resp: 544
 Ion Ratio Lower Upper
 43 100
 58 17.6 25.4 76.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.228 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

Instrument :

MSVOA_N

ClientSampled :

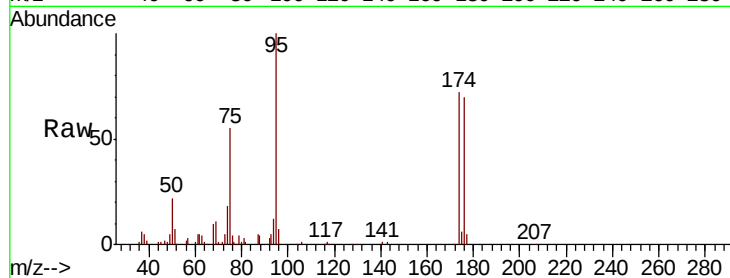
Tot Ion: 95 Resp: 89371

Ion Ratio Lower Upper

95 100

174 73.0 0.0 149.4

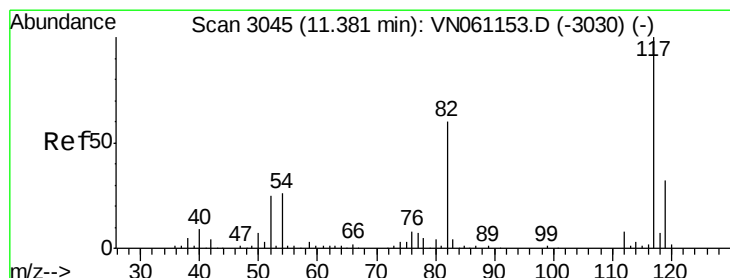
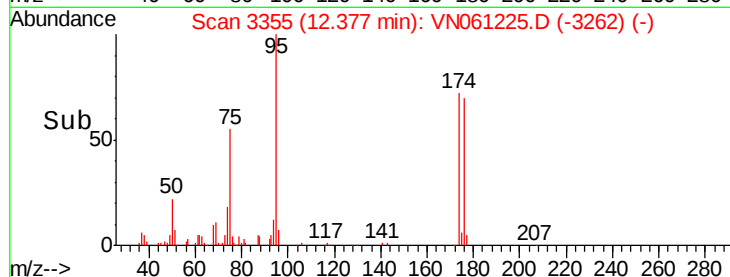
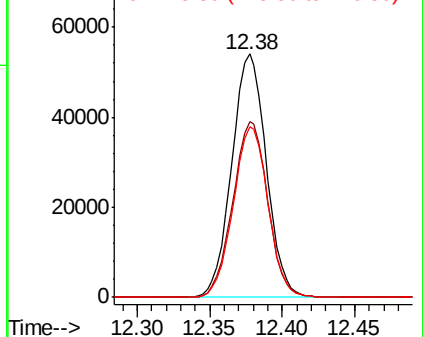
176 70.6 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

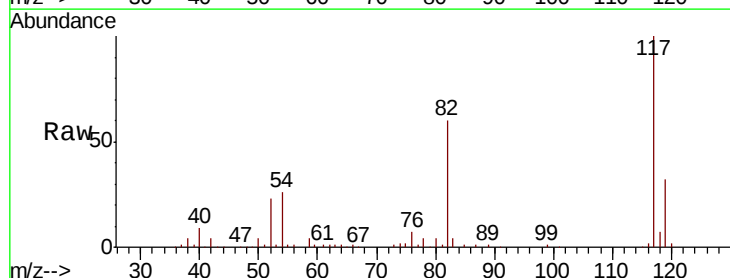
Tgt Ion: 117 Resp: 177981

Ion Ratio Lower Upper

117 100

82 60.2 47.8 71.8

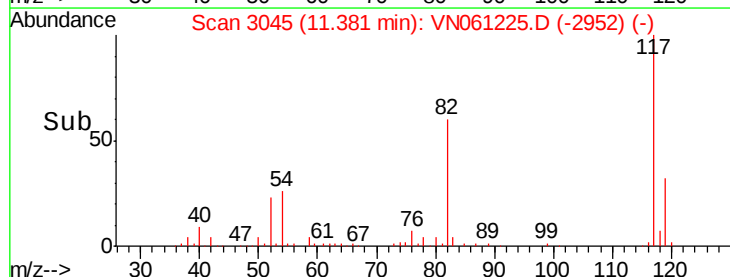
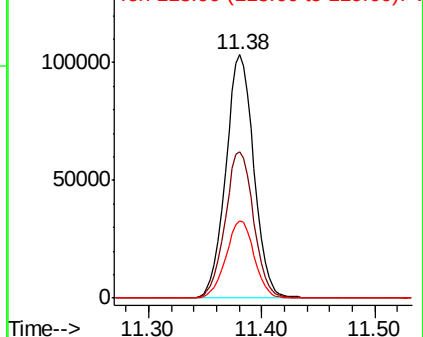
119 32.0 25.8 38.6

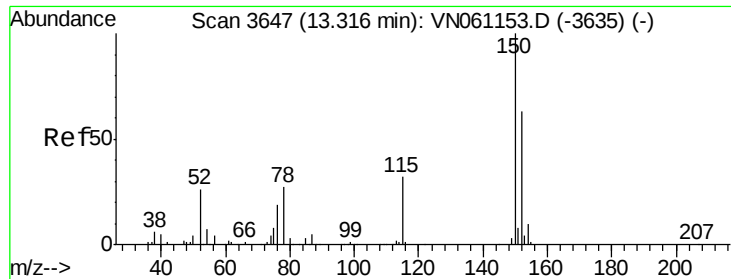


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

Ion 82.00 (81.70 to 82.70): VN061153.D (-3030) (-)

Ion 118.90 (118.60 to 119.60): VN061153.D (-3030) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

Instrument :

MSVOA_N

ClientSampled :

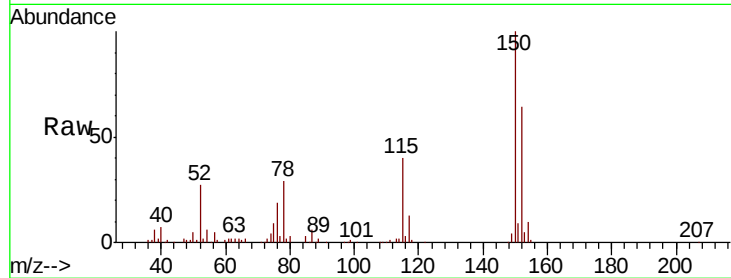
Tot Ion:152 Resp: 83110

Ion Ratio Lower Upper

152 100

115 61.5 31.0 93.0

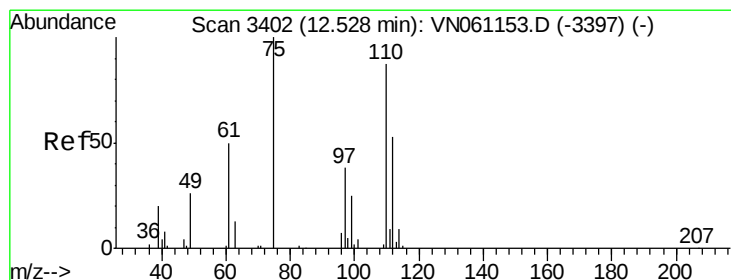
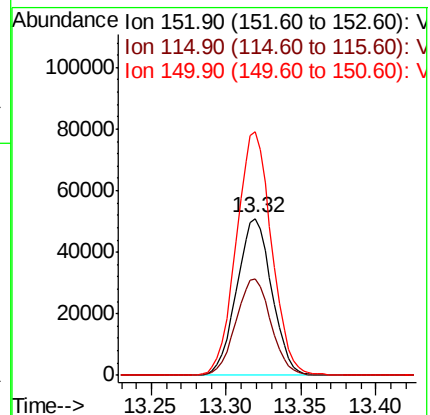
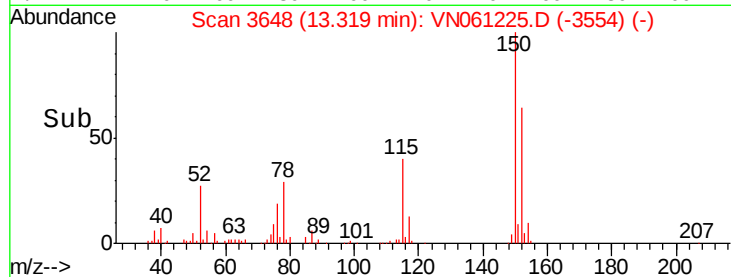
150 156.2 0.0 351.8



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: 27.697 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061225.D

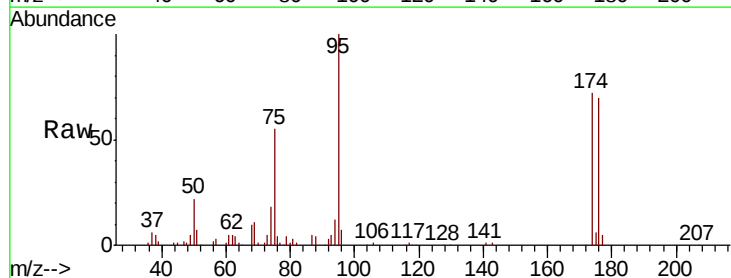
Acq: 1 May 2020 13:12

Tgt Ion: 75 Resp: 48530

Ion Ratio Lower Upper

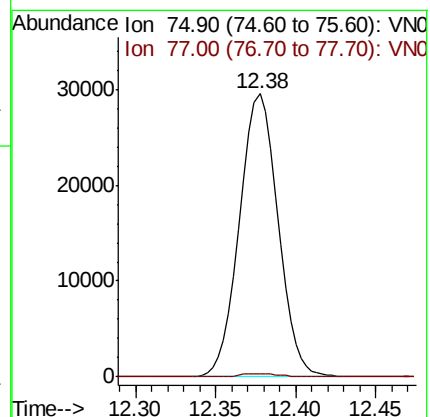
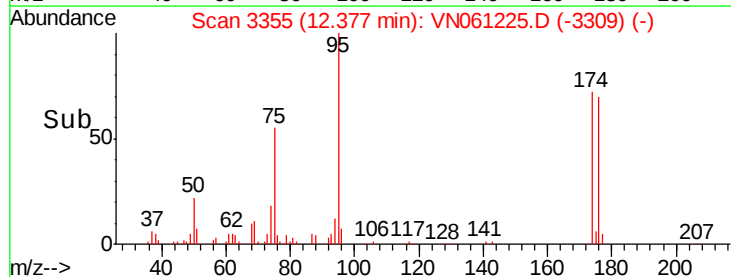
75 100

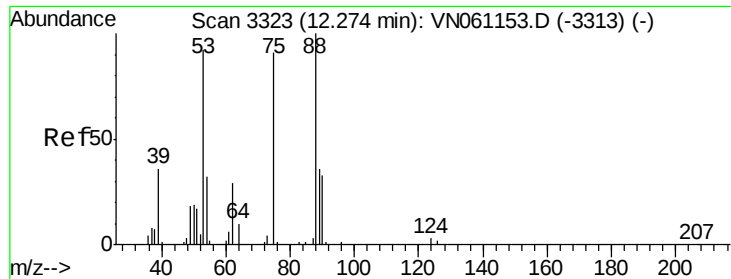
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.336 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

Instrument :

MSVOA_N

ClientSampleId :

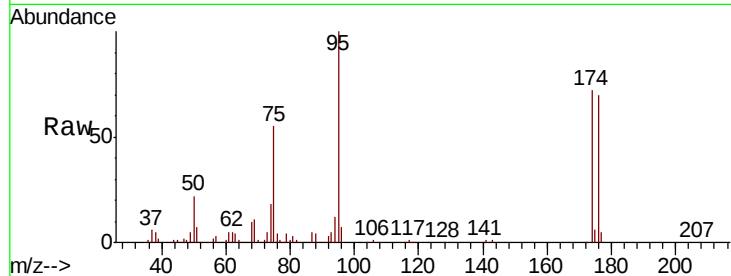
Tot Ion: 75 Resp: 48530

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

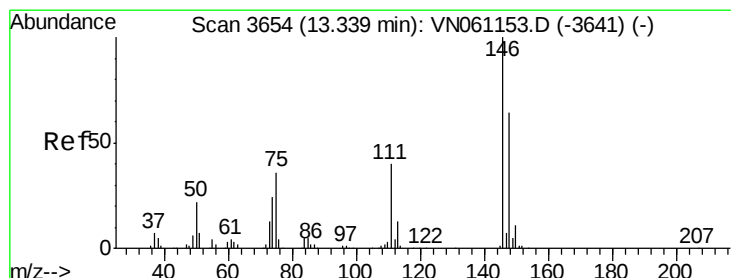
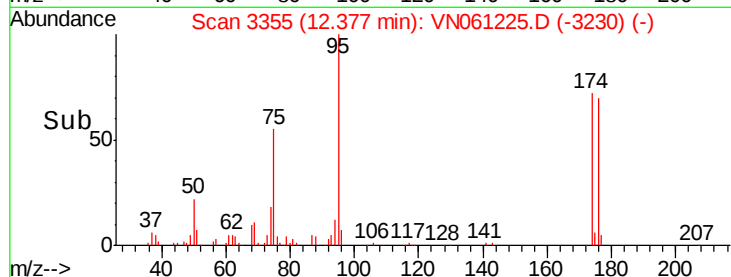
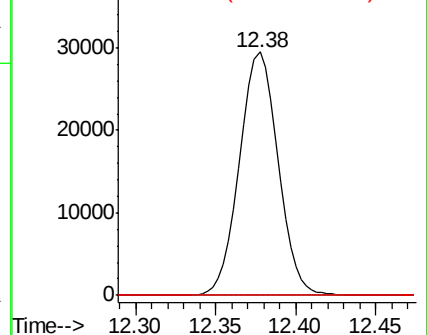
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#88

1,4-Dichlorobenzene

Concen: 0.273 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

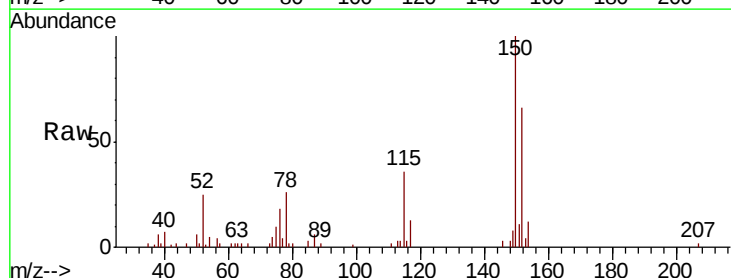
Tgt Ion: 146 Resp: 723

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

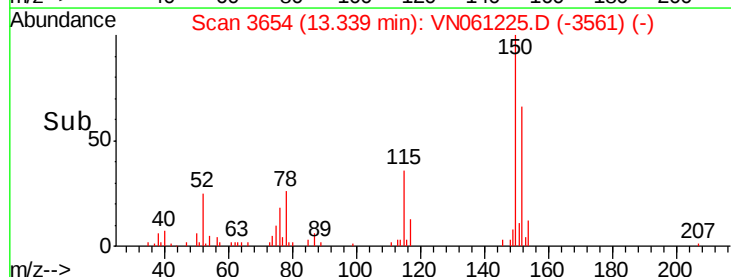
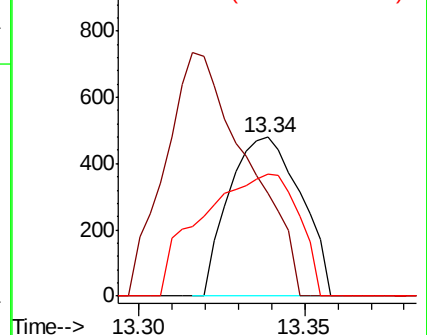
148 103.2 31.9 95.7#

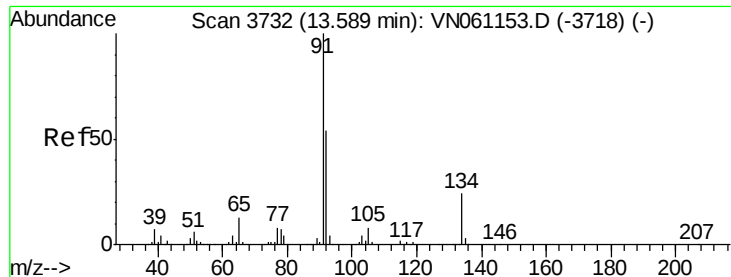


Abundance Ion 145.90 (145.60 to 146.60): VN061153.D (-3641) (-)

Ion 110.90 (110.60 to 111.60): VN061153.D (-3641) (-)

Ion 147.90 (147.60 to 148.60): VN061153.D (-3641) (-)

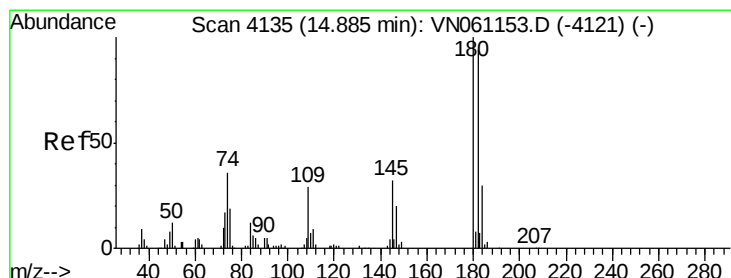
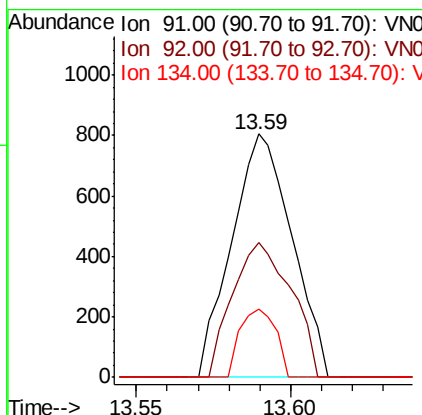
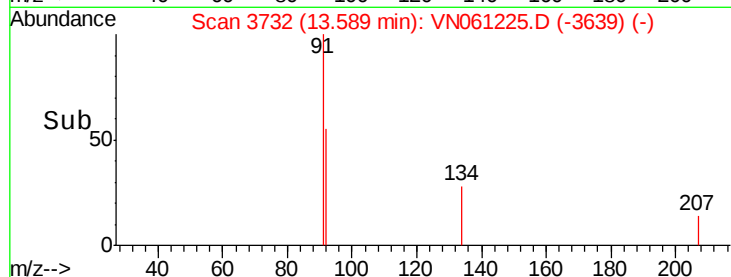
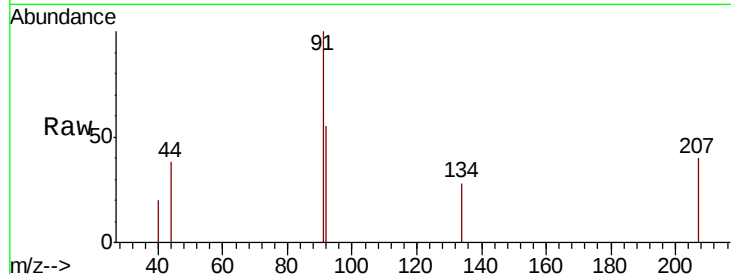




#89
n-Butylbenzene
Concen: 0.227 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

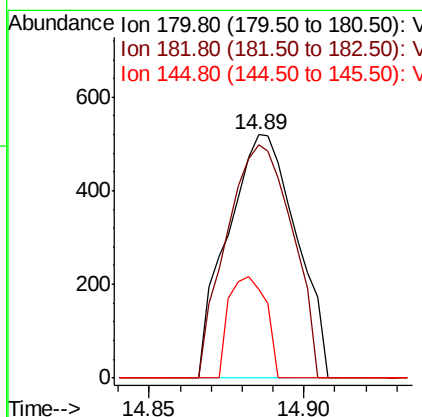
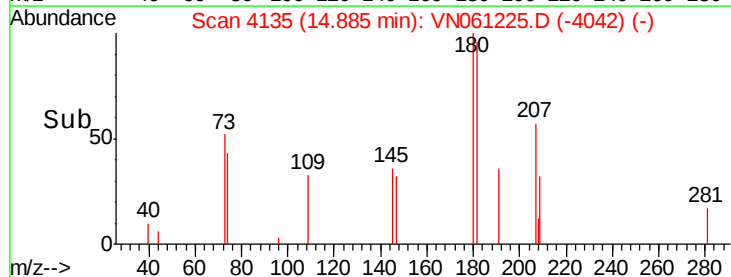
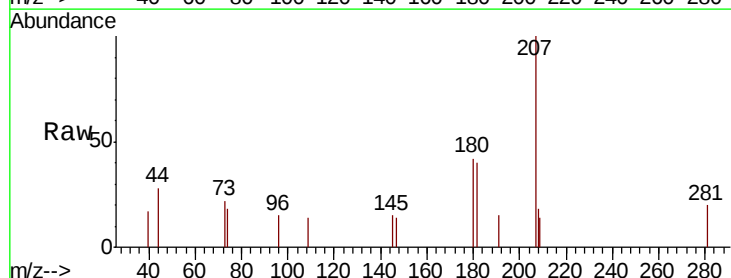
Instrument :
MSVOA_N
ClientSampled :

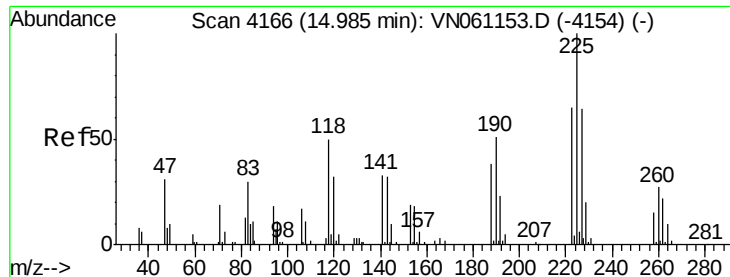
Tot Ion: 91 Resp: 1091
Ion Ratio Lower Upper
91 100
92 54.3 26.8 80.3
134 16.5 11.9 35.5



#93
1,2,4-Trichlorobenzene
Concen: 0.530 ug/l
RT: 14.89 min Scan# 4135
Delta R.T. 0.00 min
Lab File: VN061225.D
Acq: 1 May 2020 13:12

Tgt Ion: 180 Resp: 804
Ion Ratio Lower Upper
180 100
182 91.3 47.3 141.9
145 22.5 16.0 47.9





#94

Hexachlorobutadiene

Concen: 0.447 ug/l

RT: 14.98 min Scan# 4166

Delta R.T. 0.00 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

Instrument :

MSVOA_N

ClientSampled :

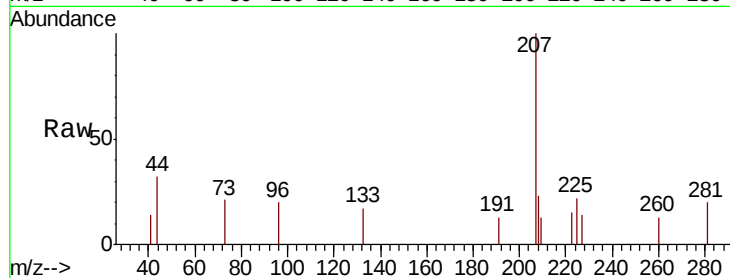
Tot Ion:225 Resp: 283

Ion Ratio Lower Upper

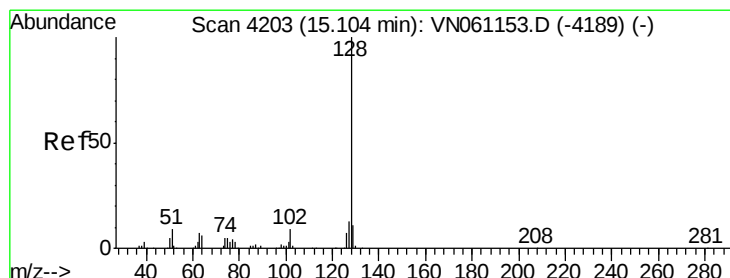
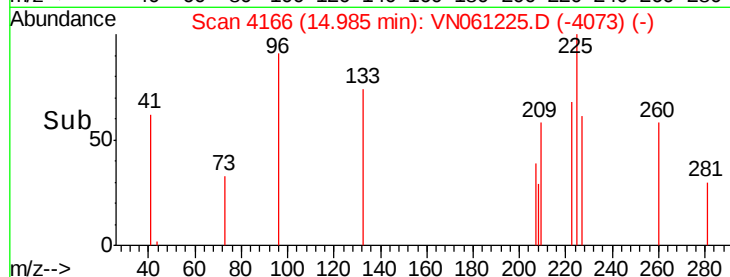
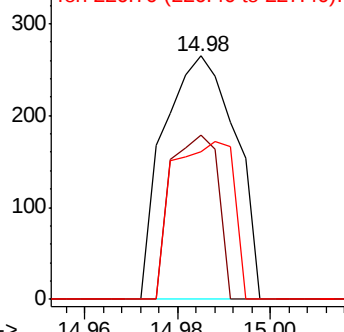
225 100

223 44.9 32.4 97.0

227 54.8 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.577 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061225.D

Acq: 1 May 2020 13:12

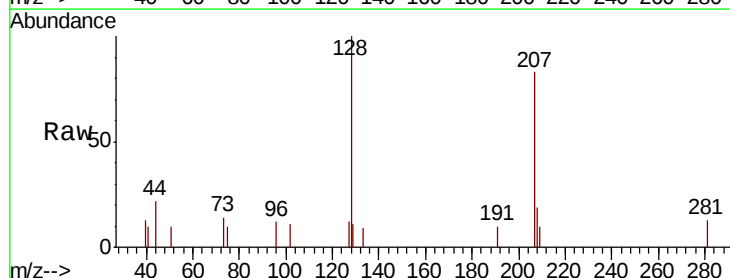
Tgt Ion:128 Resp: 2850

Ion Ratio Lower Upper

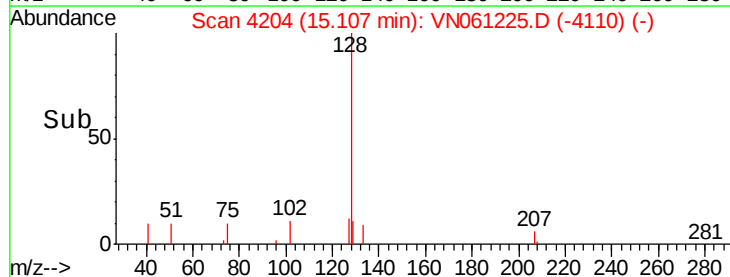
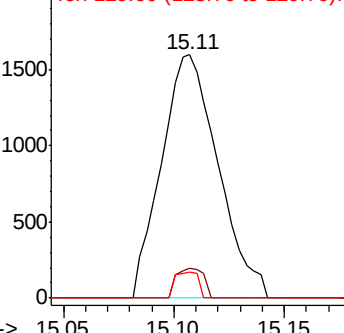
128 100

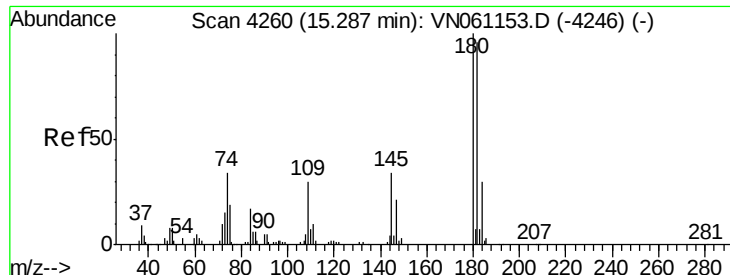
127 5.9 10.4 15.6#

129 4.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.540 ug/l
 RT: 15.29 min Scan# 4260
 Delta R.T. 0.00 min
 Lab File: VN061225.D
 Acq: 1 May 2020 13:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.5	142.5
145	21.4	16.9	50.7

