

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064301.D
 Acq On : 23 Oct 2020 21:39
 Operator : JC/MD
 Sample : L4486-08 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1814

Quant Time: Oct 26 02:32:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	239504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	415883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	192599	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	188794	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
35) Dibromofluoromethane	7.55	113	140060	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.06	98	527821	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.38	95	230957	56.80	ug/l	0.00
Spiked Amount			Recovery	=	113.60%	

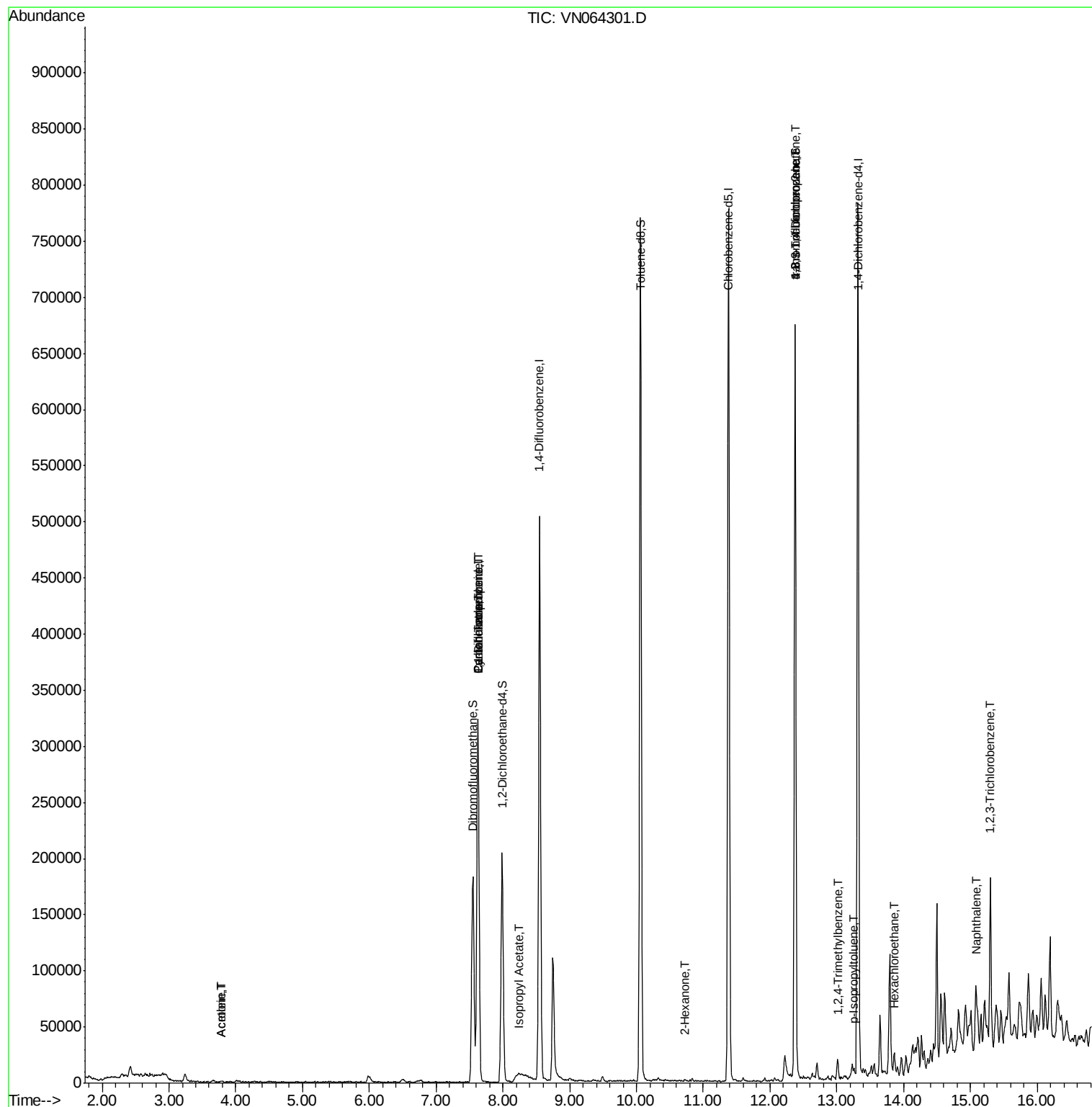
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.78	56	70	0.234	ug/l #	15
16) Acetone	3.77	43	335	0.329	ug/l #	49
31) Cyclohexane	7.63	56	5637	1.337	ug/l #	16
36) 1,1-Dichloropropene	7.62	75	21718	5.238	ug/l #	48
38) Carbon Tetrachloride	7.63	117	25417	5.388	ug/l #	15
43) Isopropyl Acetate	8.24	43	11512	1.641	ug/l #	57
59) 2-Hexanone	10.73	43	1171	0.428	ug/l	89
76) 1,2,3-Trichloropropane	12.38	75	127846	31.487	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	127846	79.495	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.02	105	8727	0.706	ug/l	97
86) p-Isopropyltoluene	13.26	119	2622	0.224	ug/l	83
90) Hexachloroethane	13.86	117	743	0.351	ug/l #	9
95) Naphthalene	15.10	128	12912	1.270	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.30	180	687	0.204	ug/l #	15

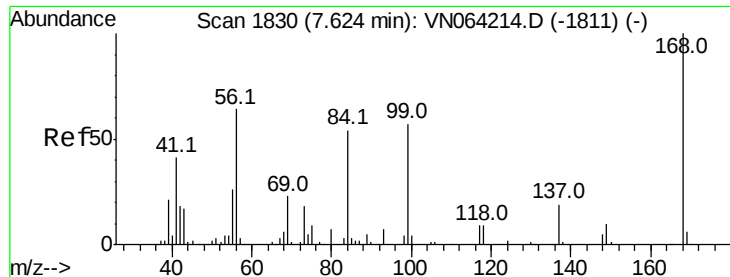
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampled :

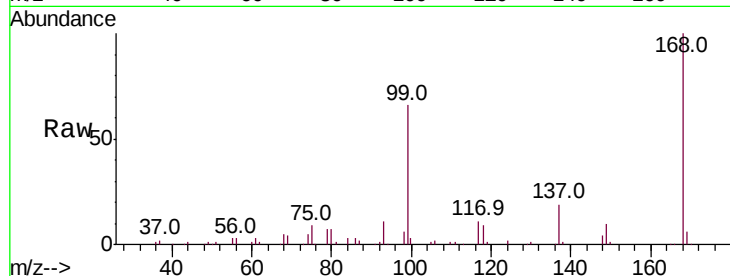
1814

Tot Ion:168 Resp: 239504

Ion Ratio Lower Upper

168 100

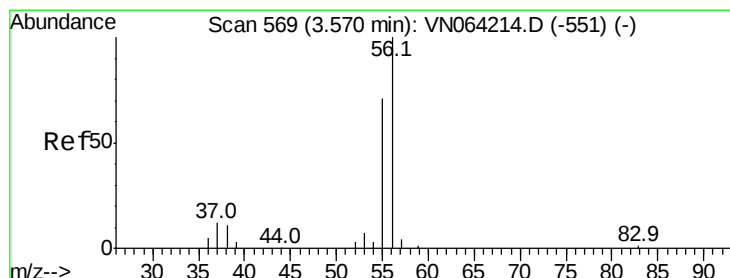
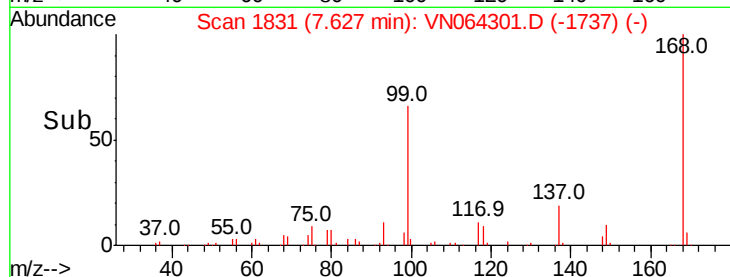
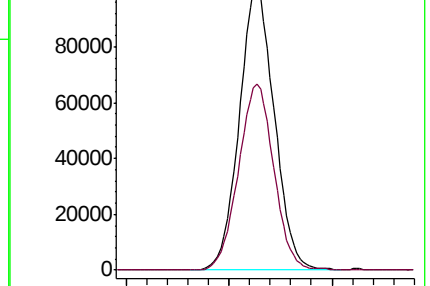
99 65.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VN064301.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064301.D (-1737) (-)

7.63



#13

Acrolein

Concen: 0.234 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.21 min

Lab File: VN064301.D

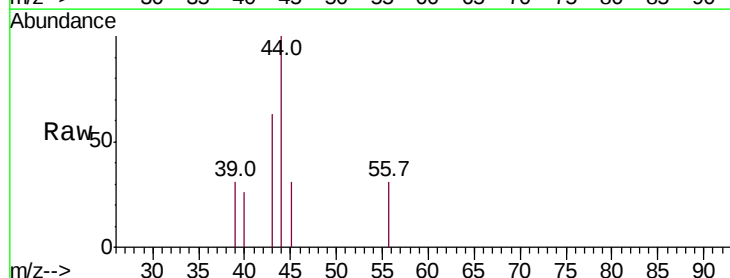
Acq: 23 Oct 2020 21:39

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

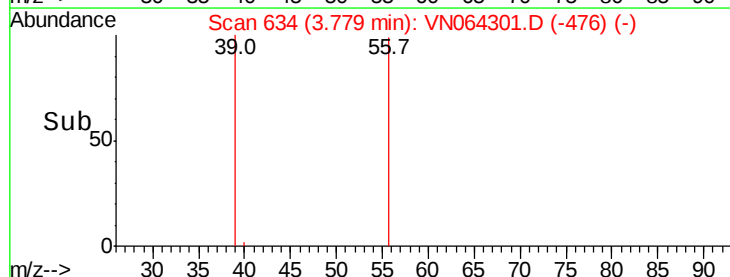
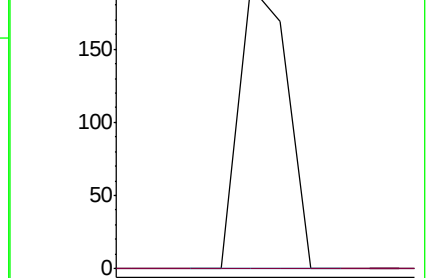
55 0.0 56.1 84.1#

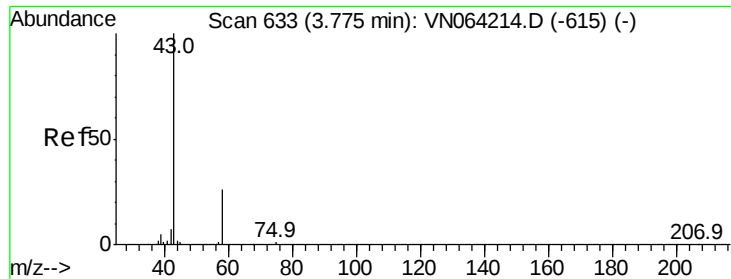


Abundance Ion 56.00 (55.70 to 56.70): VN064301.D (-476) (-)

Ion 55.00 (54.70 to 55.70): VN064301.D (-476) (-)

3.78





#16

Acetone

Concen: 0.329 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

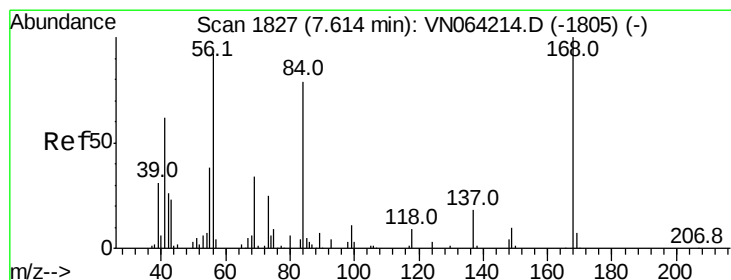
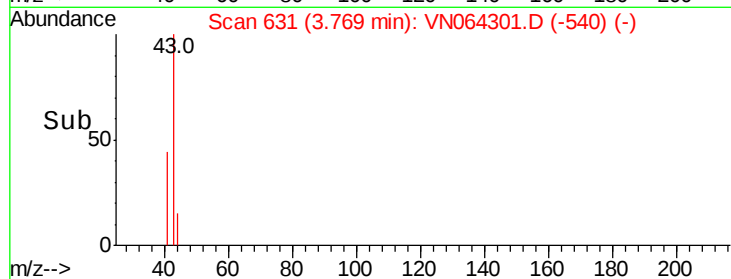
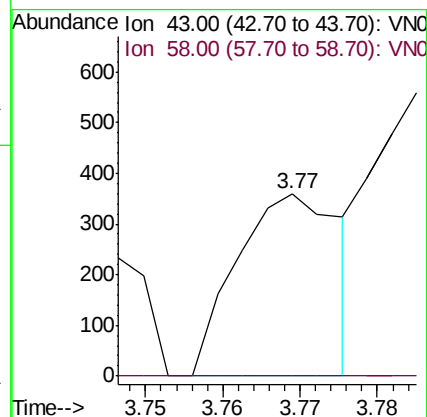
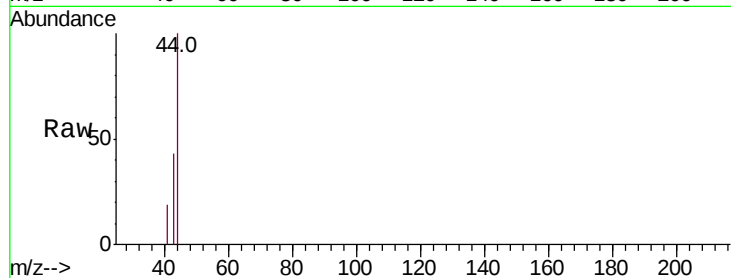
1814

Tot Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

58 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

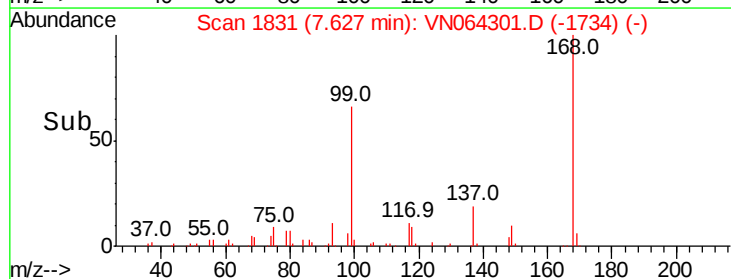
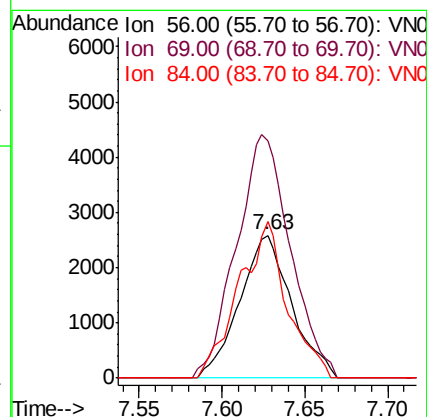
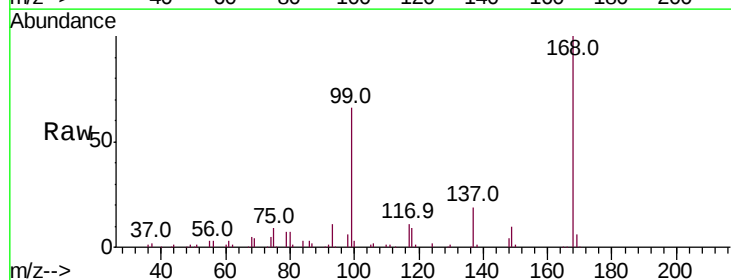
Tgt Ion: 56 Resp: 5637

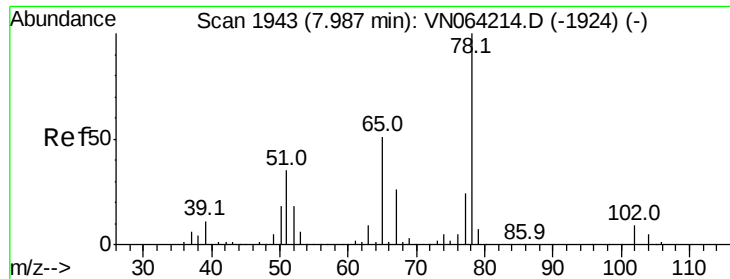
Ion Ratio Lower Upper

56 100

69 166.0 29.8 44.6#

84 109.3 68.1 102.1#

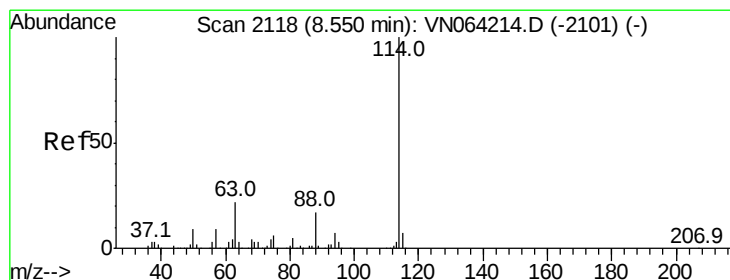
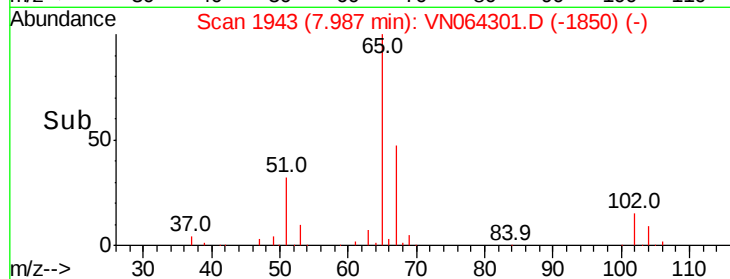
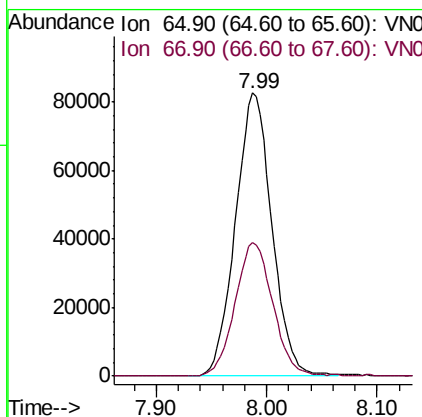
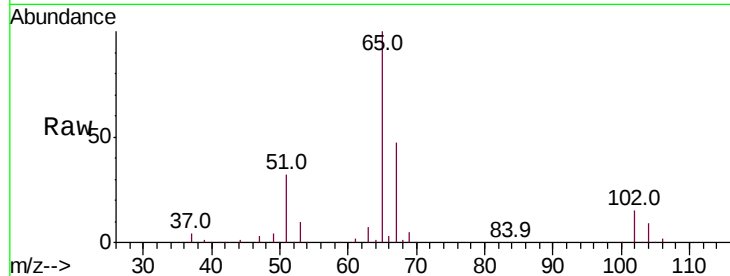




#33
 1,2-Dichloroethane-d4
 Concen: 53.080 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064301.D
 Acq: 23 Oct 2020 21:39

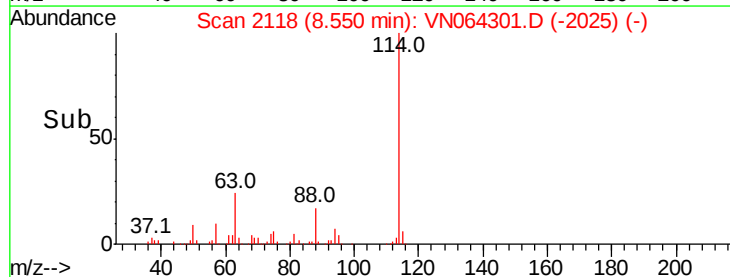
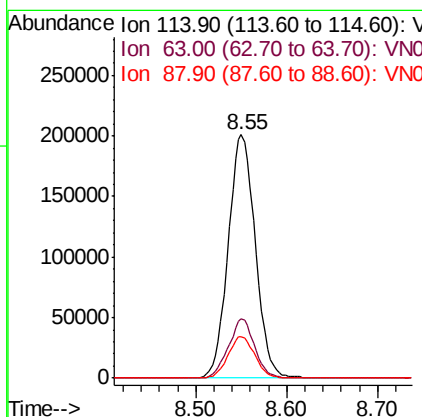
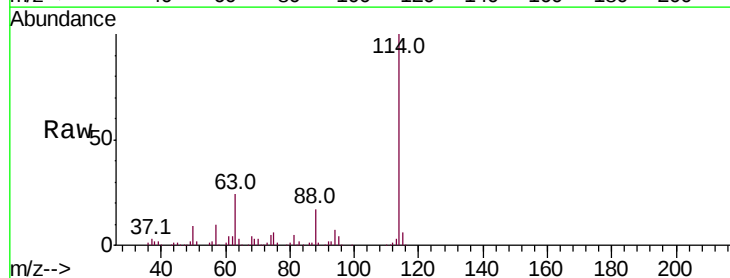
Instrument :
 MSVOA_N
 ClientSampled :
 1814

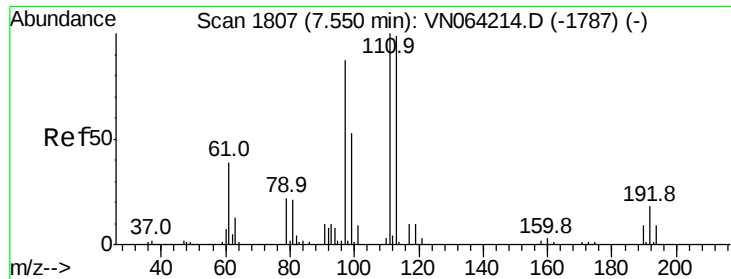
Tot Ion: 65 Resp: 188794
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064301.D
 Acq: 23 Oct 2020 21:39

Tgt Ion: 114 Resp: 415883
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 44.0
 88 17.2 0.0 34.2

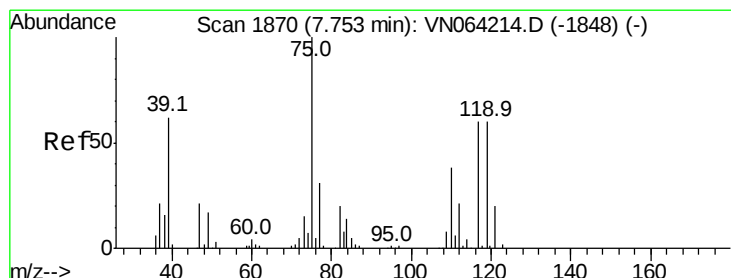
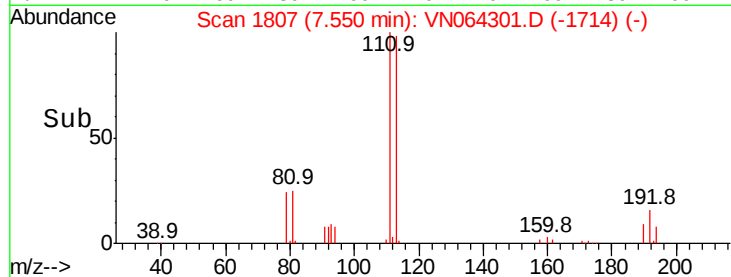
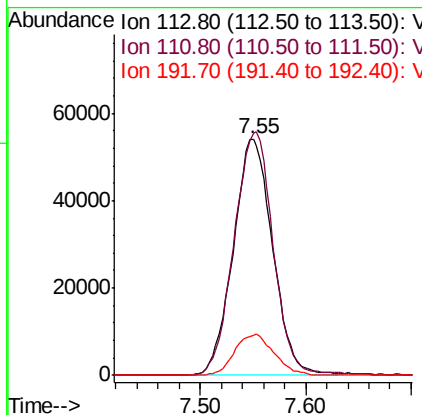
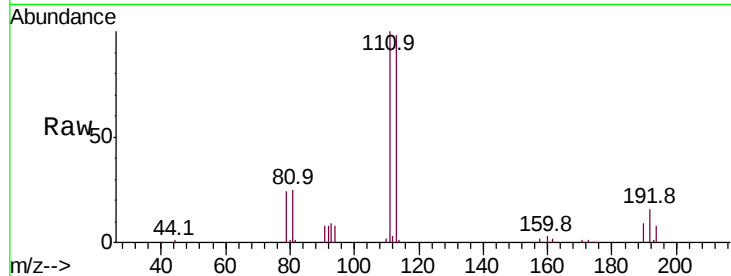




#35
 Dibromofluoromethane
 Concen: 50.655 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064301.D
 Acq: 23 Oct 2020 21:39

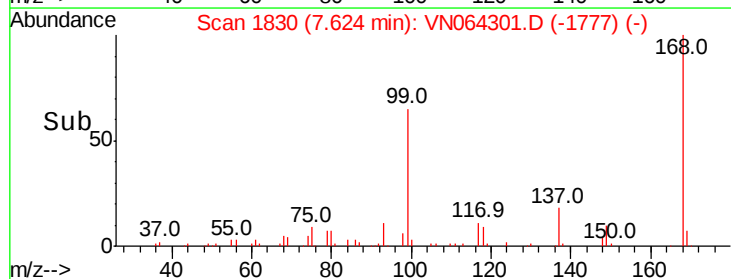
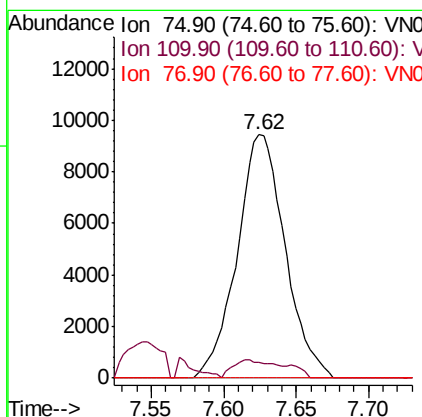
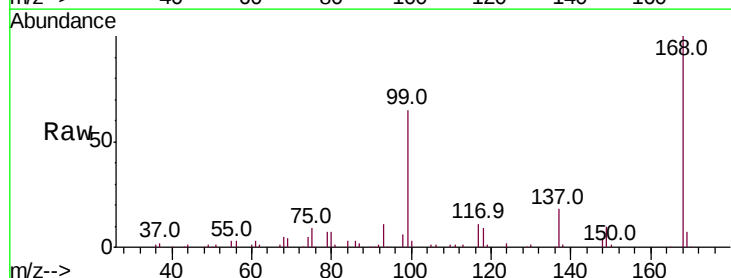
Instrument :
 MSVOA_N
 ClientSampleId :
 1814

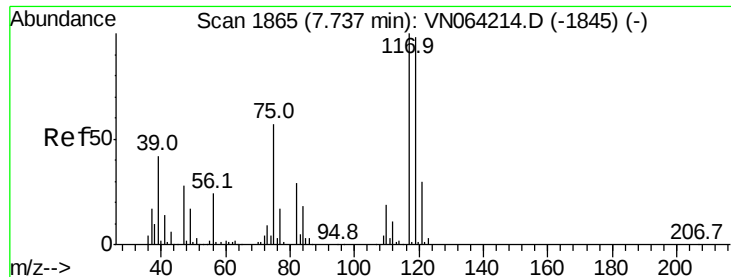
Tot Ion:113 Resp: 140060
 Ion Ratio Lower Upper
 113 100
 111 102.8 84.2 126.2
 192 17.4 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 5.238 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064301.D
 Acq: 23 Oct 2020 21:39

Tgt Ion: 75 Resp: 21718
 Ion Ratio Lower Upper
 75 100
 110 6.3 17.2 51.6#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.388 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampled :

1814

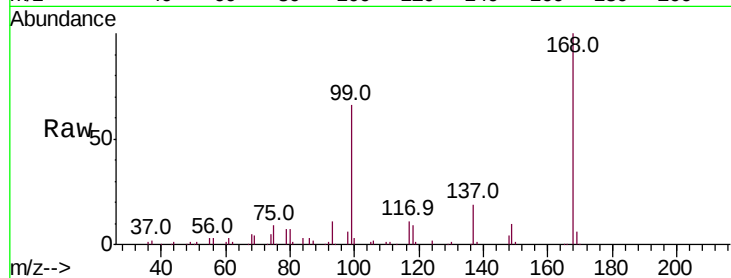
Tot Ion:117 Resp: 25417

Ion Ratio Lower Upper

117 100

119 5.1 78.5 117.7#

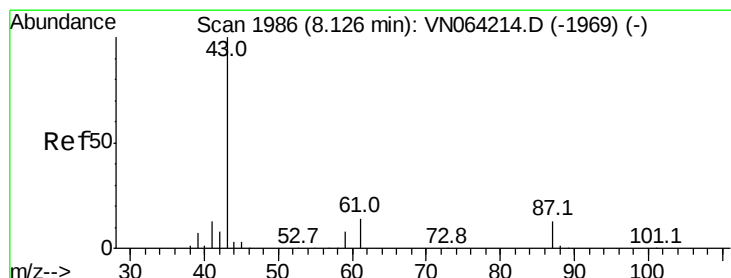
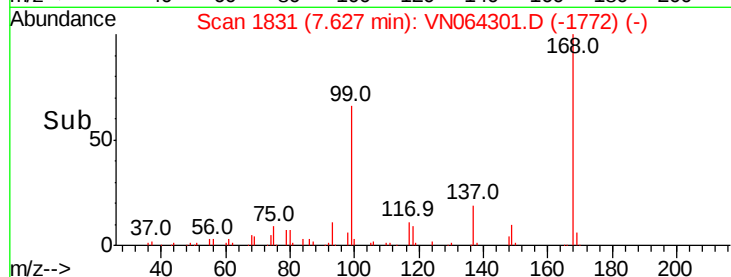
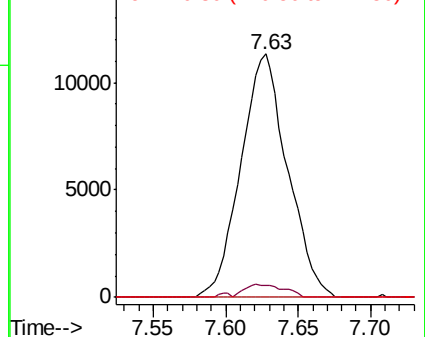
121 0.0 24.3 36.5#



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: 1.641 ug/l

RT: 8.24 min Scan# 2020

Delta R.T. 0.11 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

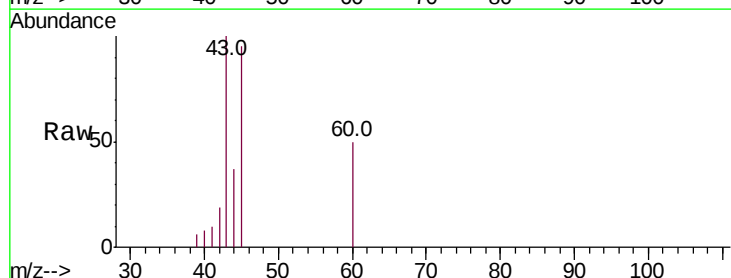
Tgt Ion: 43 Resp: 11512

Ion Ratio Lower Upper

43 100

61 0.0 19.6 29.4#

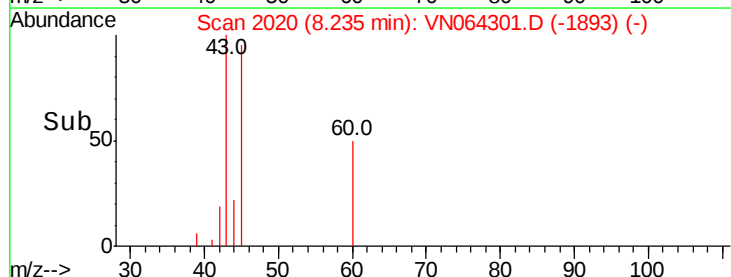
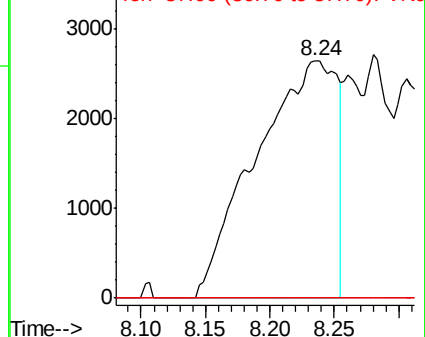
87 0.0 9.8 14.6#

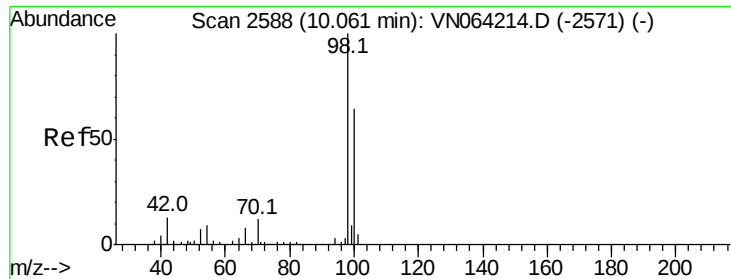


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

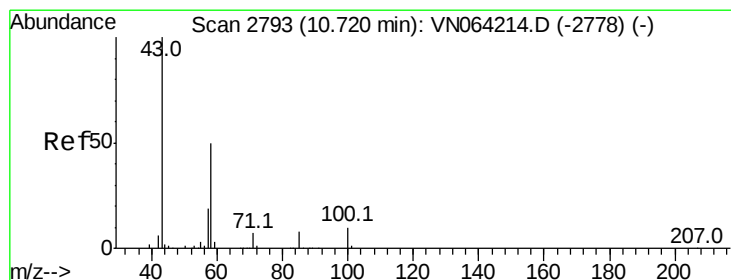
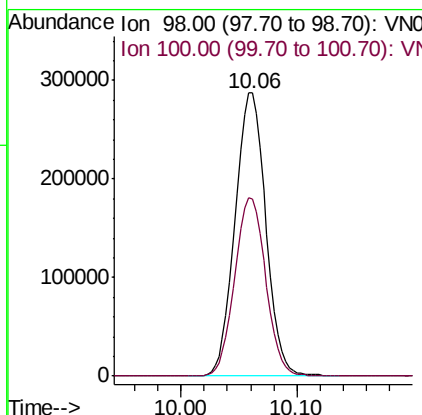
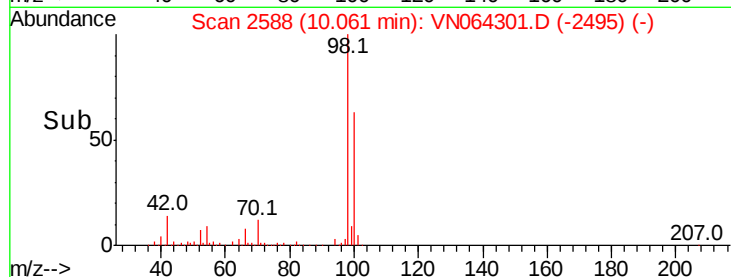
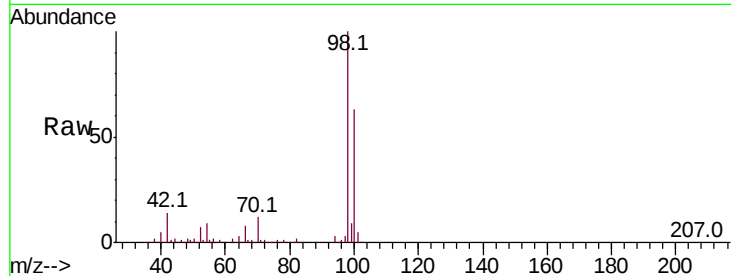




#50
Toluene-d8
Concen: 52.624 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064301.D
Acq: 23 Oct 2020 21:39

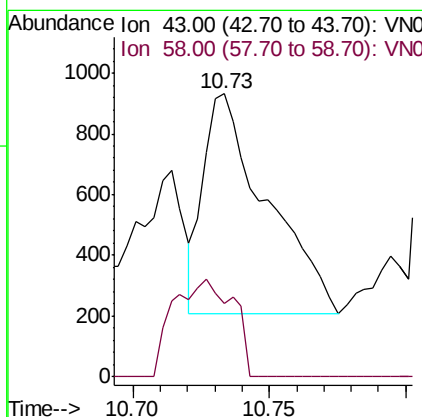
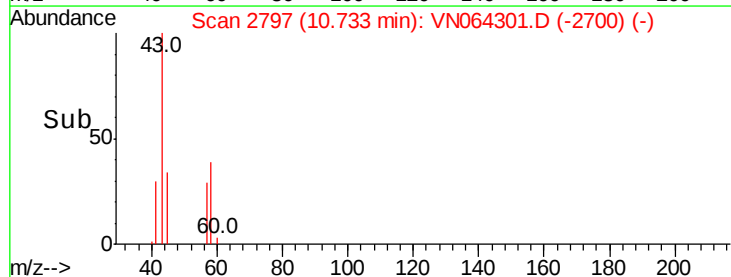
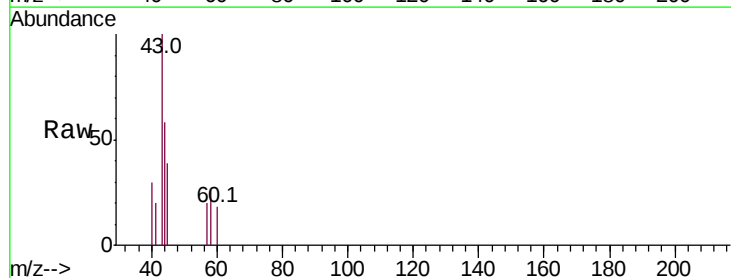
Instrument :
MSVOA_N
ClientSampleId :
1814

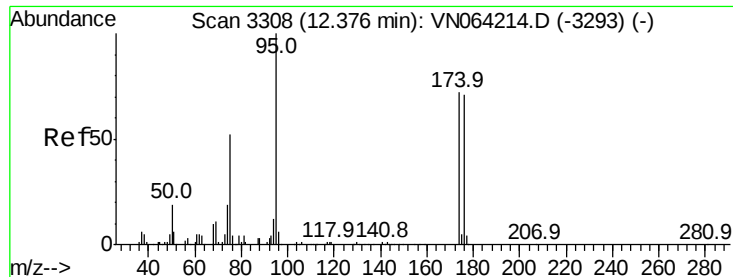
Tot Ion: 98 Resp: 527821
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2



#59
2-Hexanone
Concen: 0.428 ug/l
RT: 10.73 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN064301.D
Acq: 23 Oct 2020 21:39

Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
58 42.2 24.8 74.3





#62

4-Bromofluorobenzene

Concen: 56.801 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :
1814

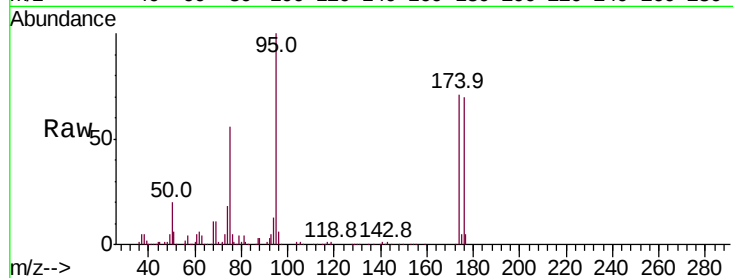
Tot Ion: 95 Resp: 230957

Ion Ratio Lower Upper

95 100

174 73.2 0.0 144.4

176 70.4 0.0 139.2



Abundance Ion 94.90 (94.60 to 95.60): VN064301.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064301.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064301.D (-3293) (-)

12.38

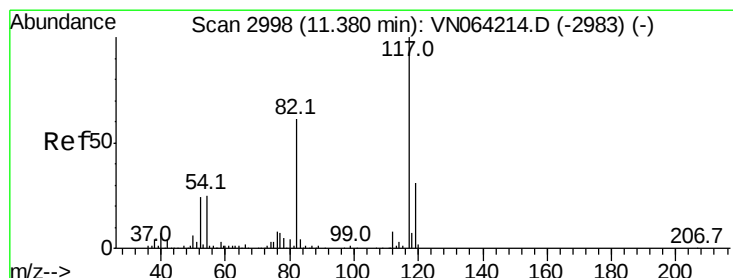
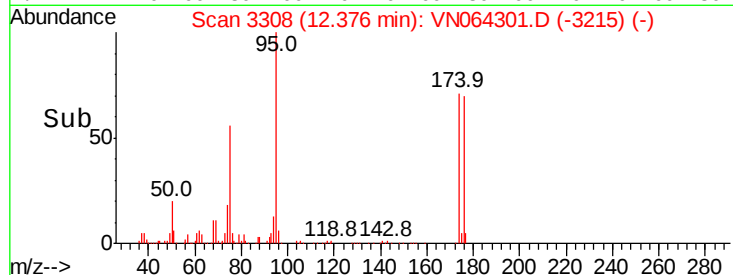
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

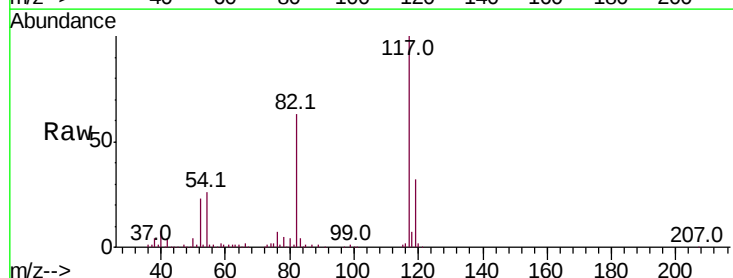
Tgt Ion: 117 Resp: 417645

Ion Ratio Lower Upper

117 100

82 62.9 48.8 73.2

119 32.0 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): VN064301.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064301.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064301.D (-2983) (-)

11.38

300000

250000

200000

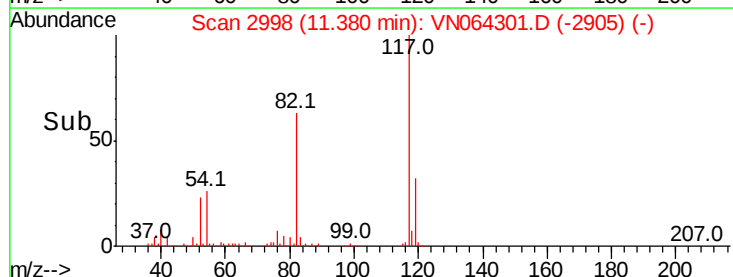
150000

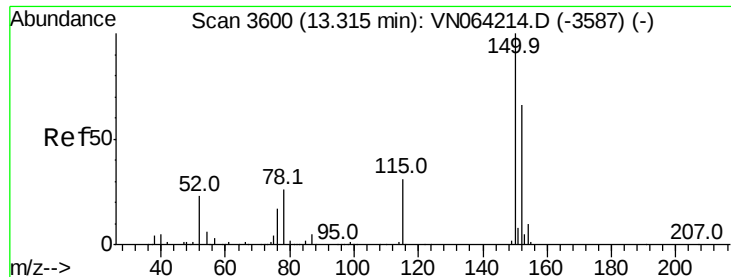
100000

50000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampled :

1814

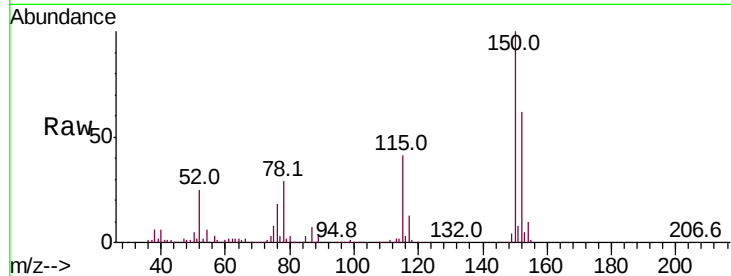
Tot Ion:152 Resp: 192599

Ion Ratio Lower Upper

152 100

115 64.0 32.0 96.2

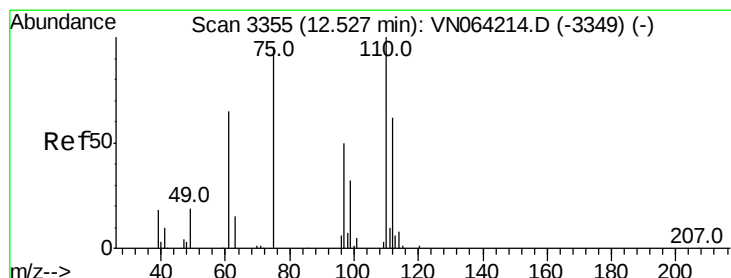
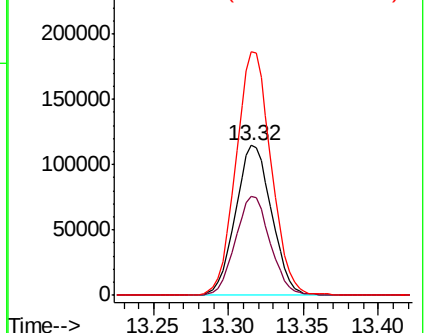
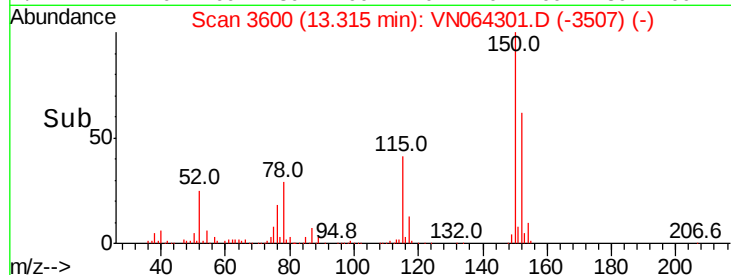
150 158.6 0.0 356.6



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: 31.487 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064301.D

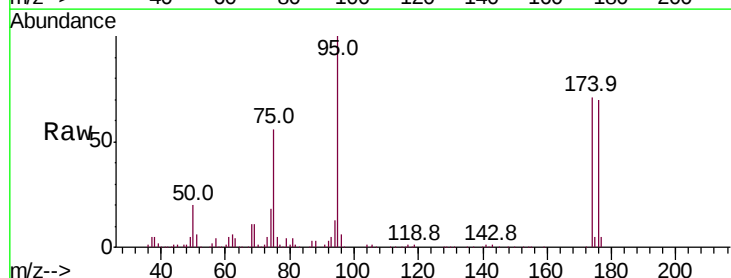
Acq: 23 Oct 2020 21:39

Tgt Ion: 75 Resp: 127846

Ion Ratio Lower Upper

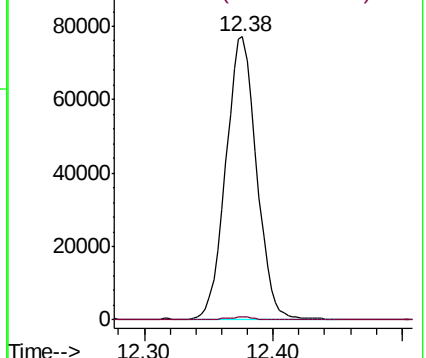
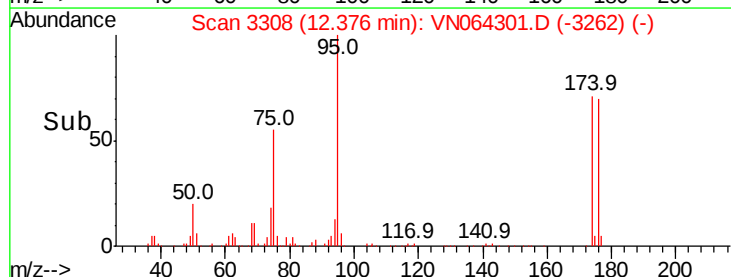
75 100

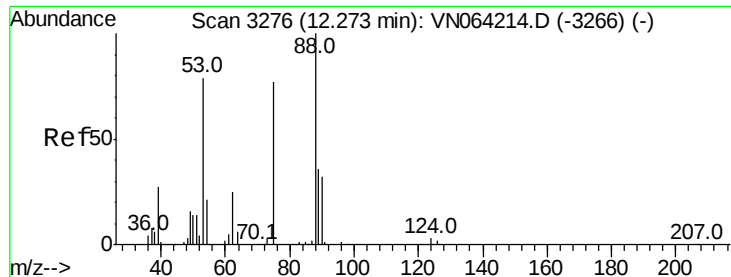
77 0.9 0.0 0.0#



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: 79.495 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :
1814

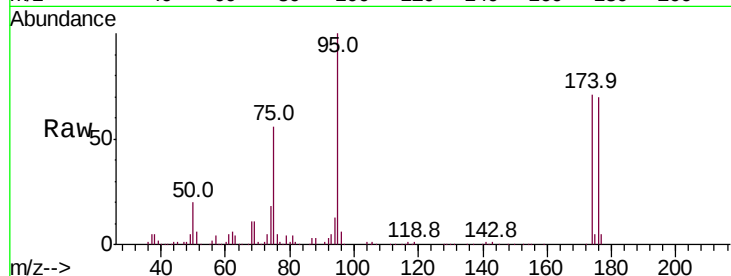
Tot Ion: 75 Resp: 127846

Ion Ratio Lower Upper

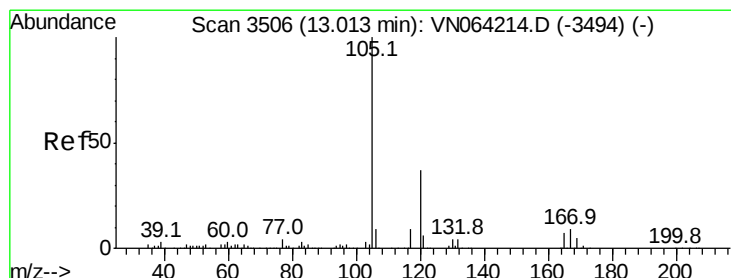
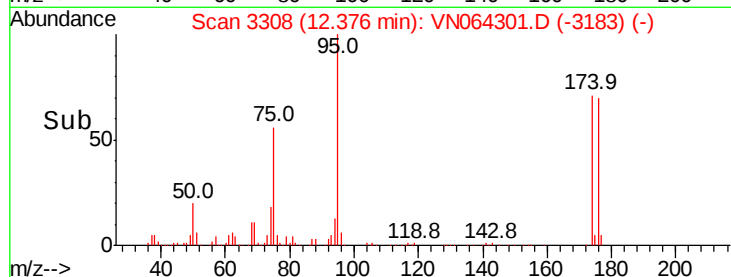
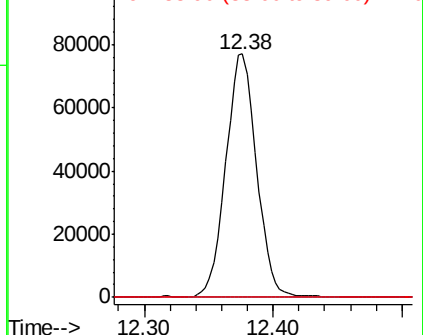
75 100

53 0.0 81.0 121.4#

89 0.0 38.7 58.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.706 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064301.D

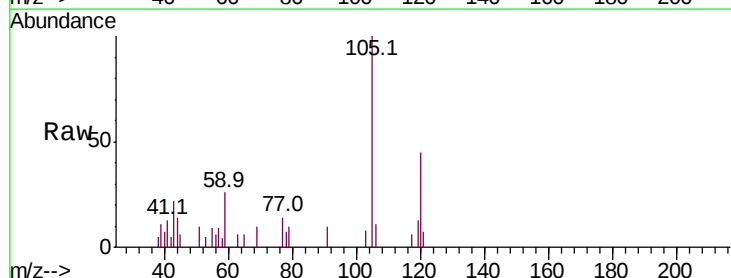
Acq: 23 Oct 2020 21:39

Tgt Ion: 105 Resp: 8727

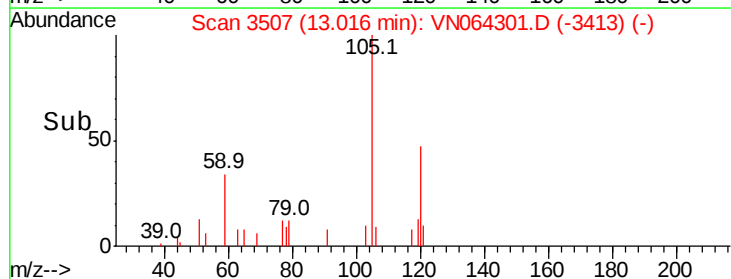
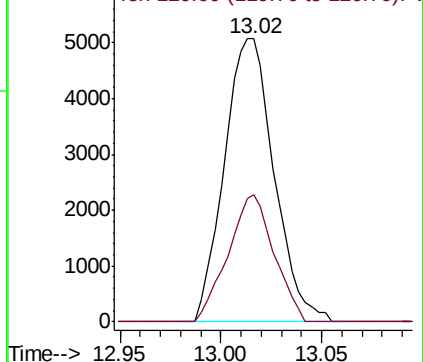
Ion Ratio Lower Upper

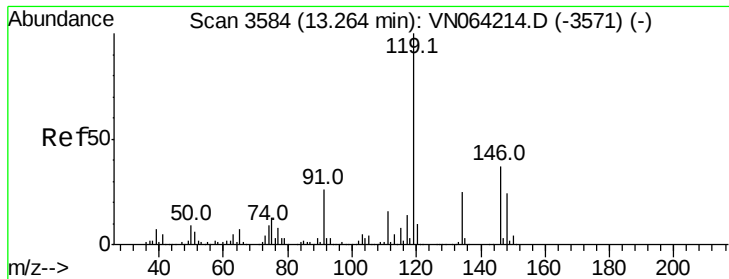
105 100

120 41.4 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

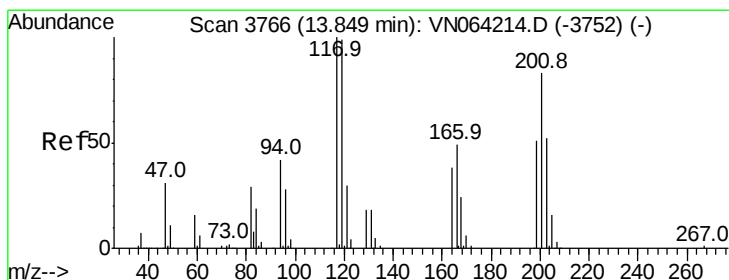
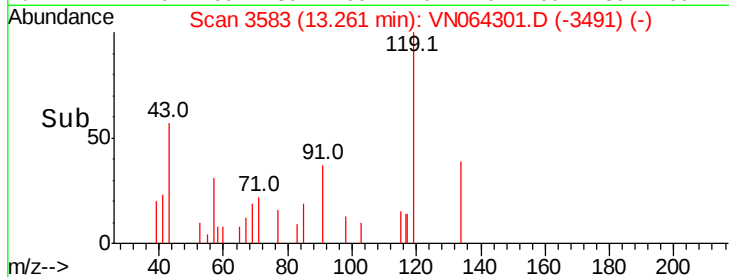
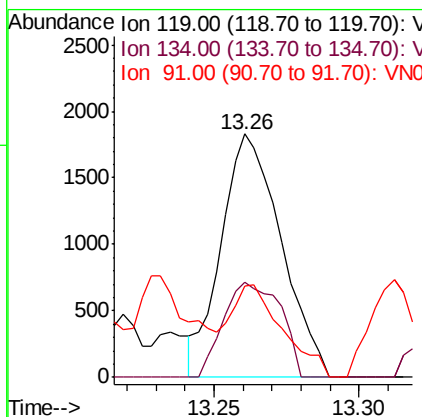
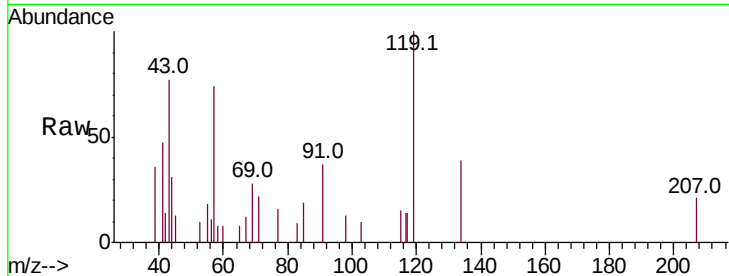




#86
p-Isopropyltoluene
Concen: 0.224 ug/l
RT: 13.26 min Scan# 3583
Delta R.T. -0.00 min
Lab File: VN064301.D
Acq: 23 Oct 2020 21:39

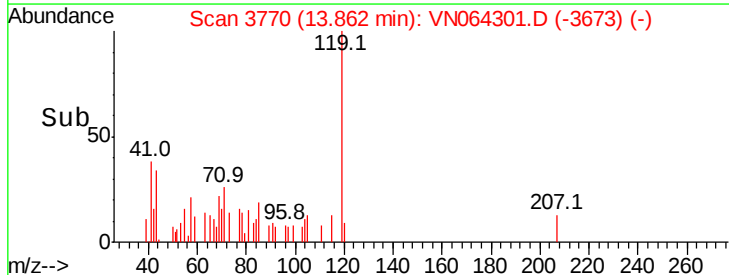
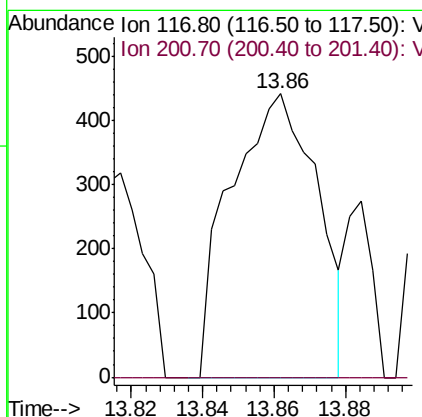
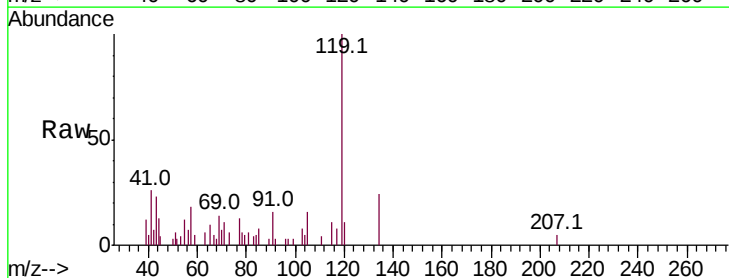
Instrument :
MSVOA_N
ClientSampled :
1814

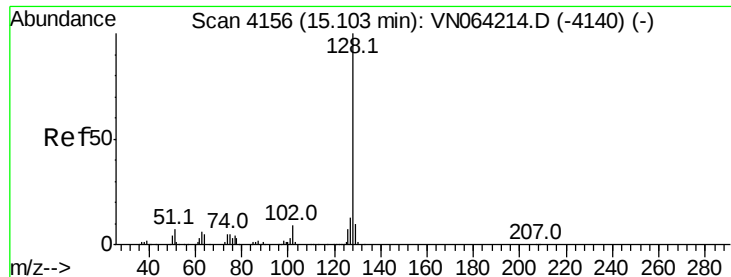
Tot Ion:119 Resp: 2622
Ion Ratio Lower Upper
119 100
134 37.3 13.1 39.3
91 33.2 13.4 40.2



#90
Hexachloroethane
Concen: 0.351 ug/l
RT: 13.86 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN064301.D
Acq: 23 Oct 2020 21:39

Tgt Ion:117 Resp: 743
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#





#95

Naphthalene

Concen: 1.270 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

1814

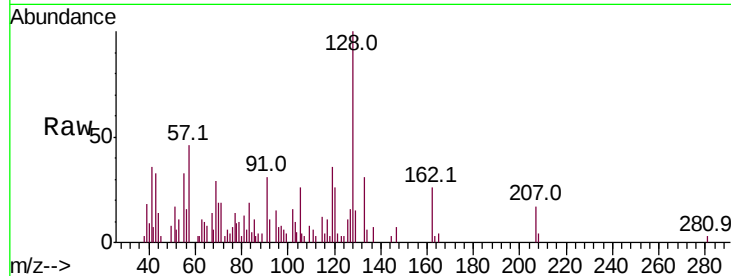
Tot Ion:128 Resp: 12912

Ion Ratio Lower Upper

128 100

127 16.6 10.5 15.7#

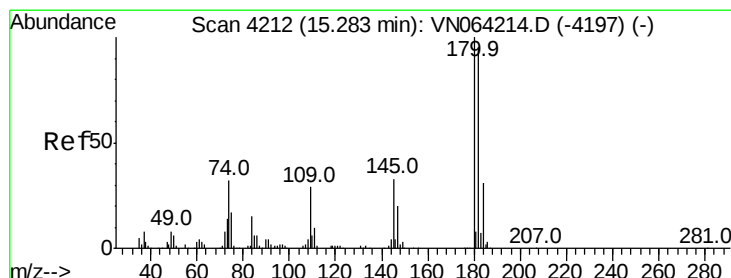
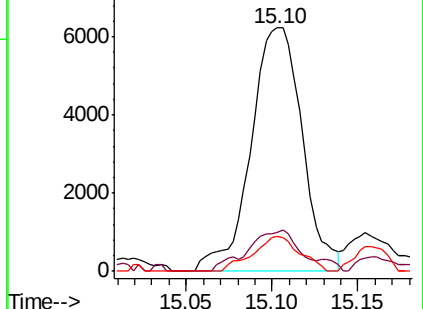
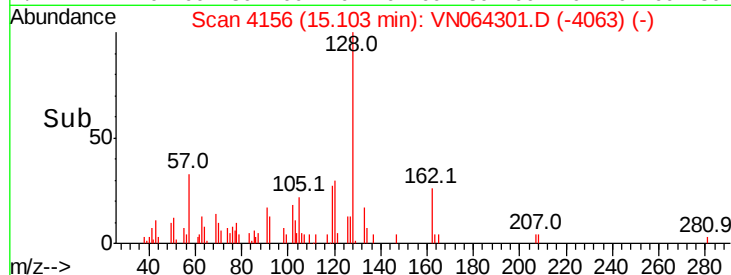
129 13.1 8.6 12.8#



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: 0.204 ug/l

RT: 15.30 min Scan# 4217

Delta R.T. 0.02 min

Lab File: VN064301.D

Acq: 23 Oct 2020 21:39

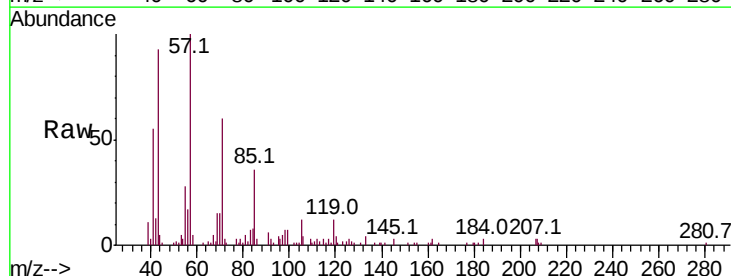
Tgt Ion:180 Resp: 687

Ion Ratio Lower Upper

180 100

182 4.4 48.0 144.2#

145 0.0 17.1 51.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

