

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090120\
 Data File : VN063157.D
 Acq On : 1 Sep 2020 15:58
 Operator : JC/MD
 Sample : VN0901WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 04:01:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

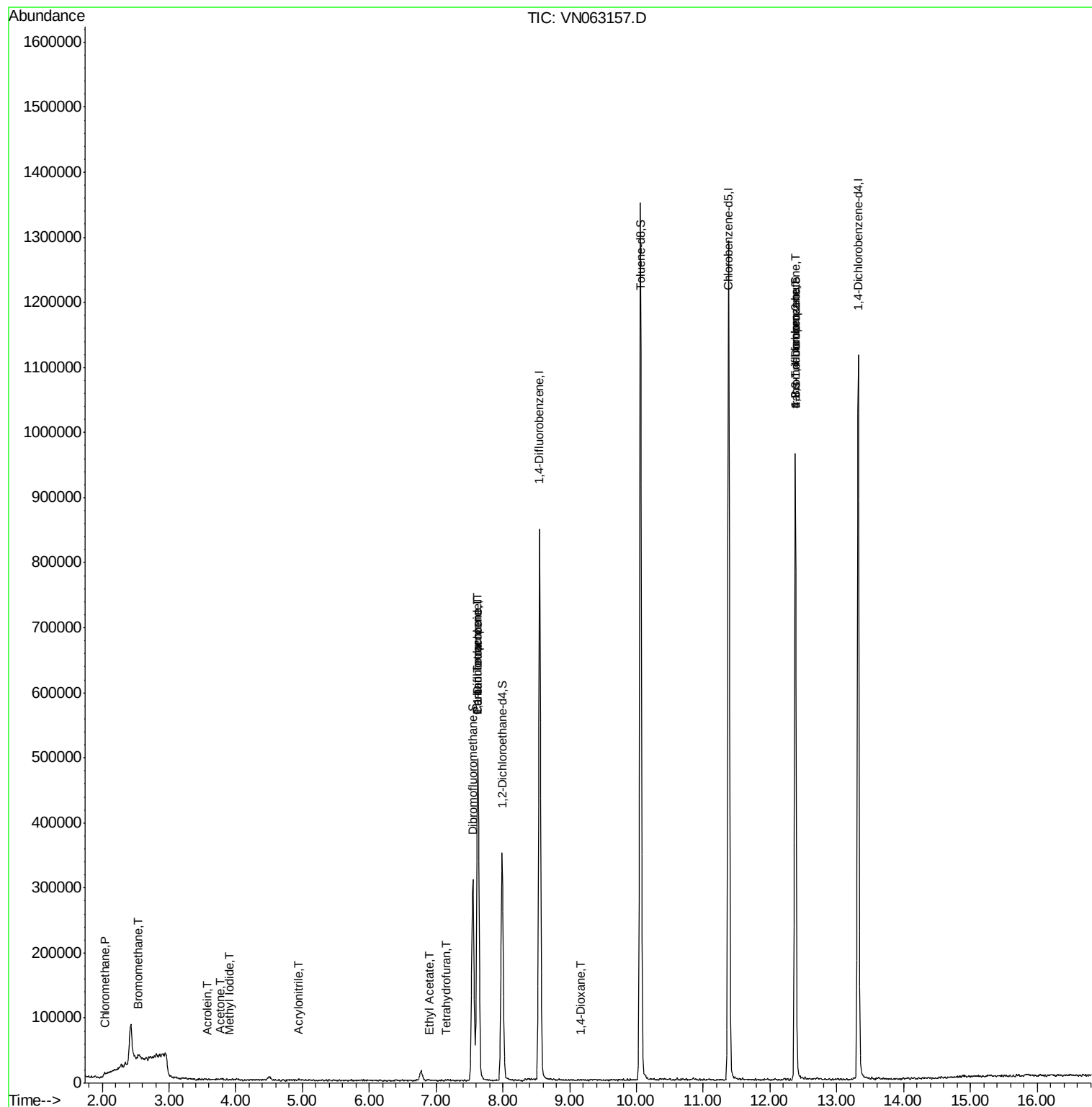
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	375156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	725077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	696459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	280660	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	295812	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	7.55	113	229569	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.06	98	905967	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.38	95	314644	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
Target Compounds				Qvalue		
3) Chloromethane	2.03	50	2678	0.498	ug/l	89
5) Bromomethane	2.54	94	3338	0.667	ug/l	99
7) Trichlorofluoromethane	2.99	101	59	Below Cal	#	19
10) Methyl Iodide	3.91	142	1215	0.221	ug/l #	73
13) Acrolein	3.58	56	69	15.995	ug/l #	1
15) Acrylonitrile	4.94	53	97	2.450	ug/l #	1
16) Acetone	3.77	43	469	0.269	ug/l	92
20) Methylene Chloride	4.50	84	1525	Below Cal	#	76
29) Tetrahydrofuran	7.15	42	942	0.505	ug/l #	34
31) Cyclohexane	7.62	56	10198	Below Cal	#	23
36) 1,1-Dichloropropene	7.63	75	36192	5.192	ug/l #	51
37) Ethyl Acetate	6.89	43	169	0.406	ug/l #	72
38) Carbon Tetrachloride	7.63	117	40779	5.769	ug/l #	15
49) 1,4-Dioxane	9.16	88	350	4.416	ug/l #	72
76) 1,2,3-Trichloropropane	12.38	75	181502	32.914	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	181502	79.553	ug/l #	10

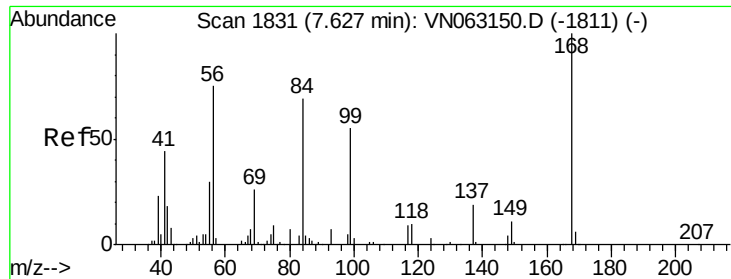
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 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: VN063157.D

Acq: 1 Sep 2020 15:58

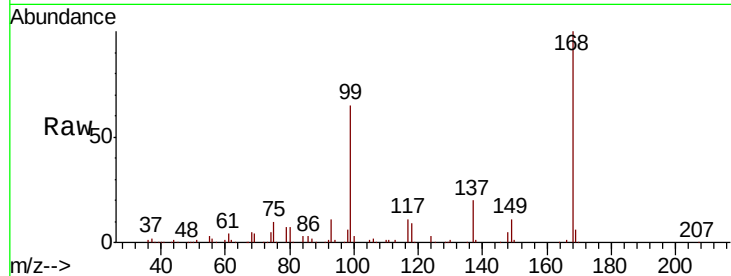
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 375156

Ion Ratio Lower Upper

168 100

99 65.1 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

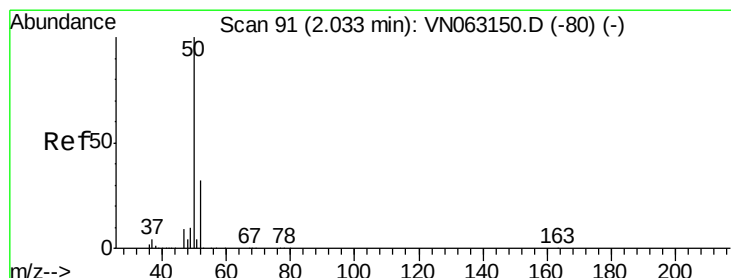
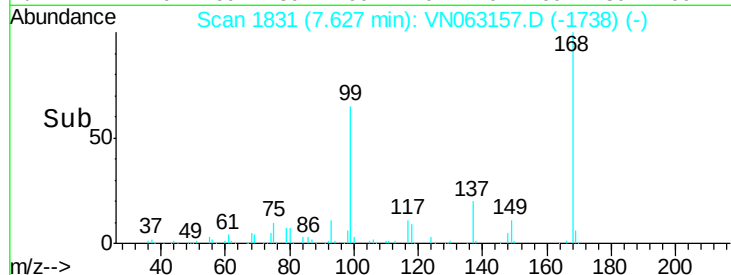
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.498 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063157.D

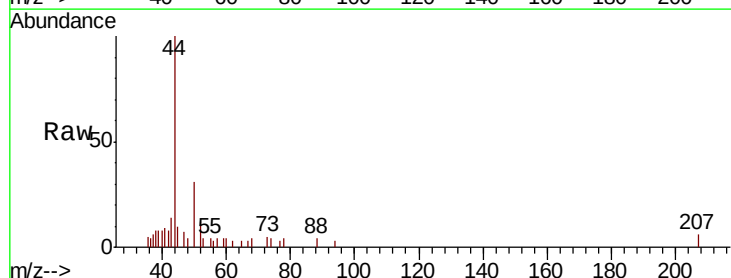
Acq: 1 Sep 2020 15:58

Tgt Ion: 50 Resp: 2678

Ion Ratio Lower Upper

50 100

52 38.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

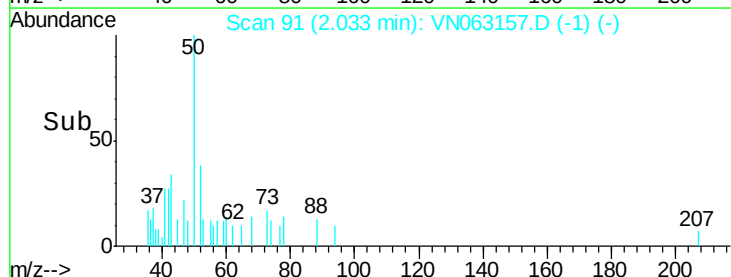
1500

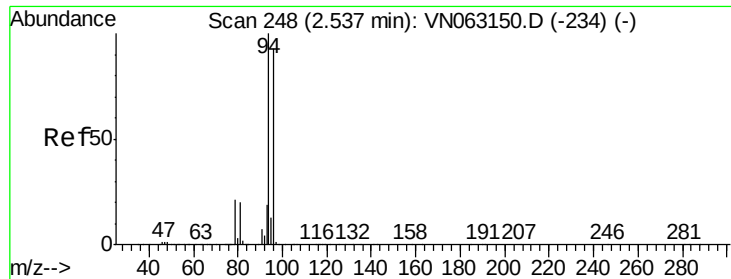
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.667 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

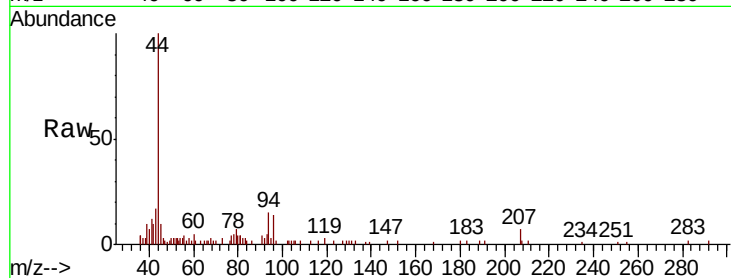
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 3338

Ion Ratio Lower Upper

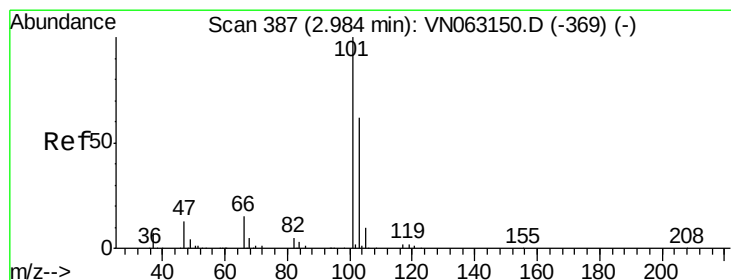
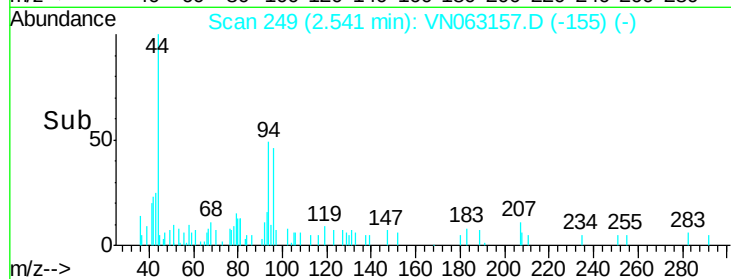
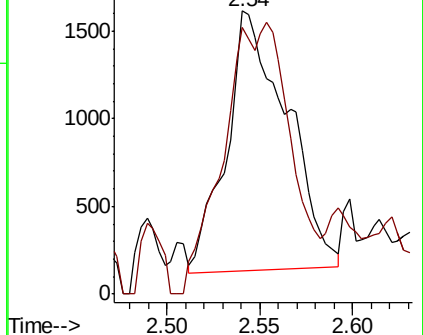
94 100

96 92.4 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VN063157.D (-155) (-)

Ion 95.90 (95.60 to 96.60): VN063157.D (-155) (-)



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.99 min Scan# 388

Delta R.T. 0.00 min

Lab File: VN063157.D

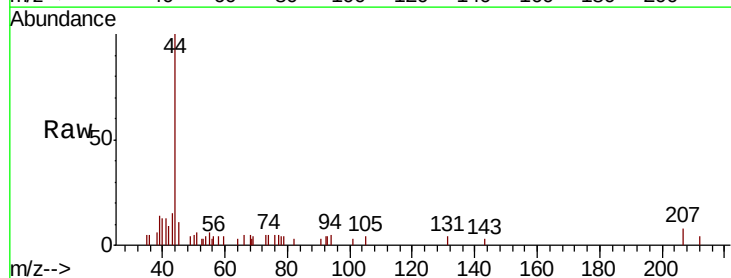
Acq: 1 Sep 2020 15:58

Tgt Ion: 101 Resp: 59

Ion Ratio Lower Upper

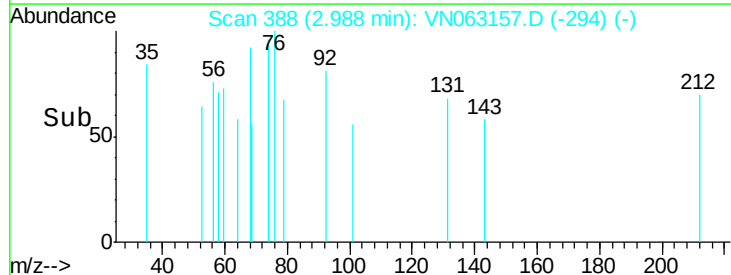
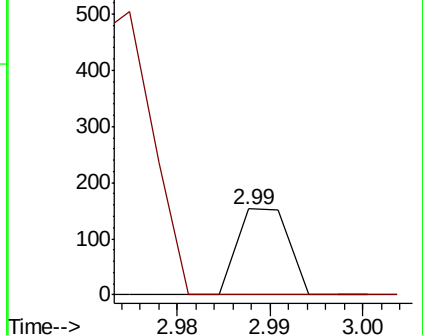
101 100

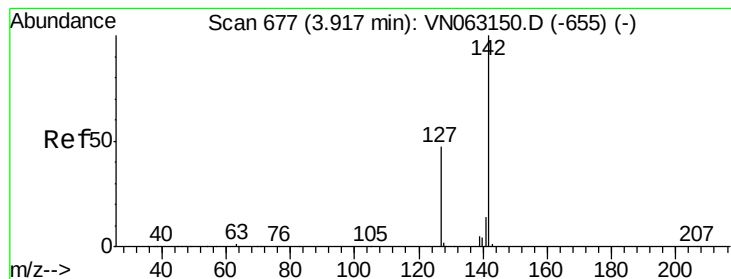
103 0.0 49.7 74.5#



Abundance Ion 100.90 (100.60 to 101.60): VN063157.D (-294) (-)

Ion 102.80 (102.50 to 103.50): VN063157.D (-294) (-)





#10

Methvl Iodide

Concen: 0.221 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

Instrument :

MSVOA_N

ClientSampled :

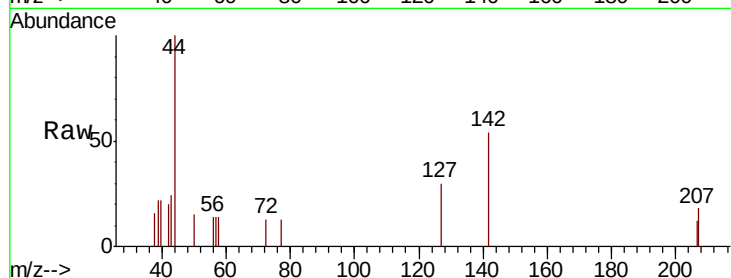
Tot Ion:142 Resp: 1215

Ion Ratio Lower Upper

142 100

127 27.9 37.6 56.4#

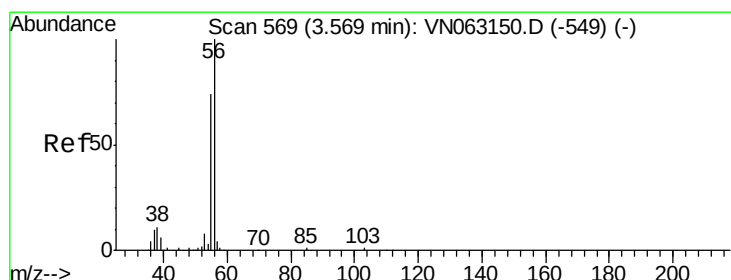
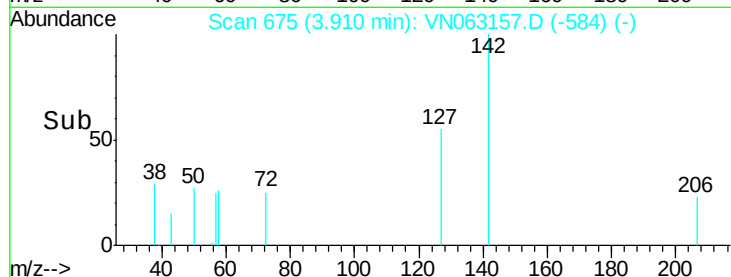
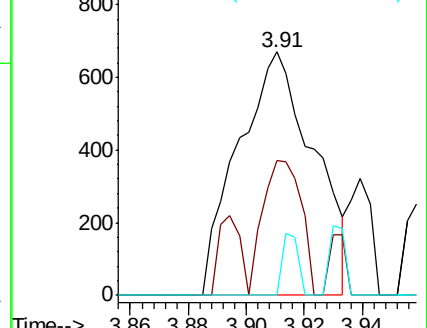
141 5.3 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 15.995 ug/l

RT: 3.58 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN063157.D

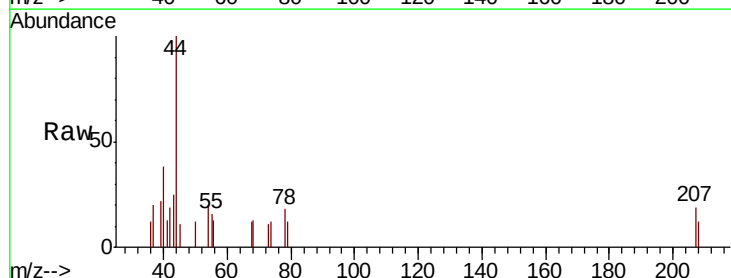
Acq: 1 Sep 2020 15:58

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

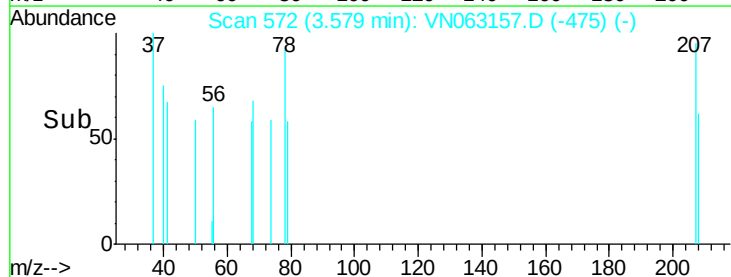
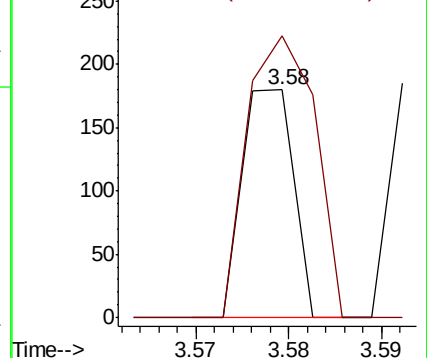
56 100

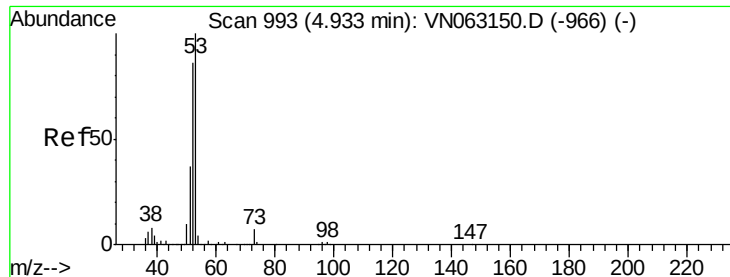
55 163.8 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): V

Ion 55.00 (54.70 to 55.70): V





#15

Acrylonitrile

Concen: 2.450 ug/l

RT: 4.94 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

Instrument :

MSVOA_N

ClientSampled :

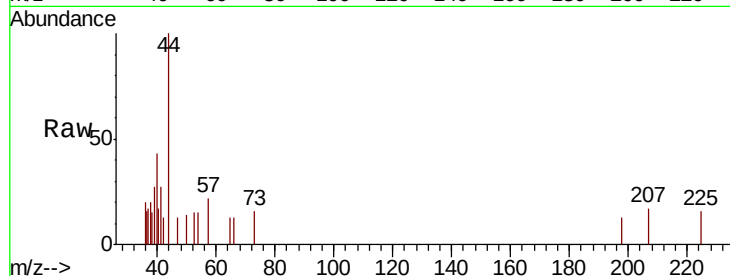
Tot Ion: 53 Resp: 97

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 160.8 30.2 45.4#

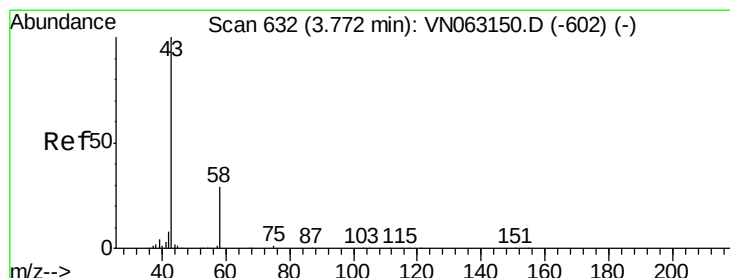
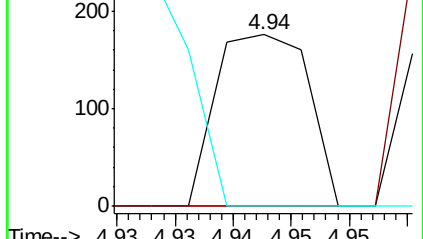
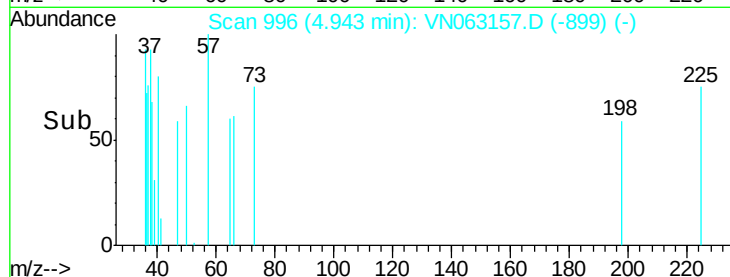


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Time--> 4.93 4.93 4.94 4.95 4.95



#16

Acetone

Concen: 0.269 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063157.D

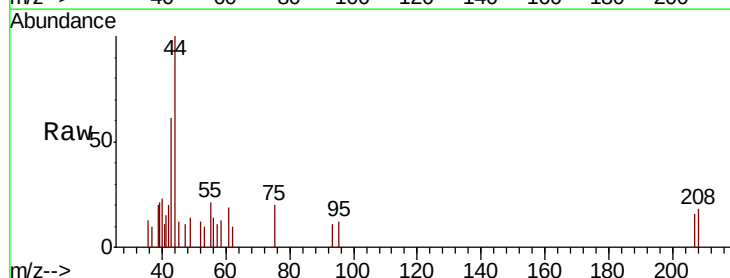
Acq: 1 Sep 2020 15:58

Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

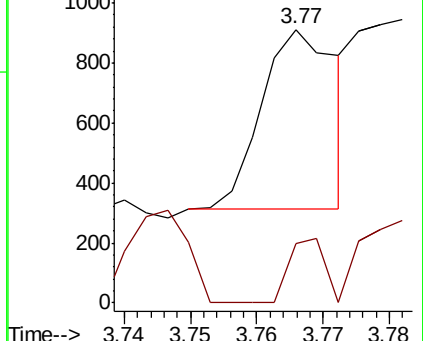
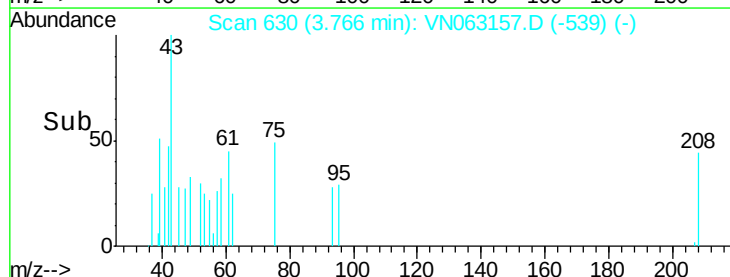
58 33.0 23.1 34.7

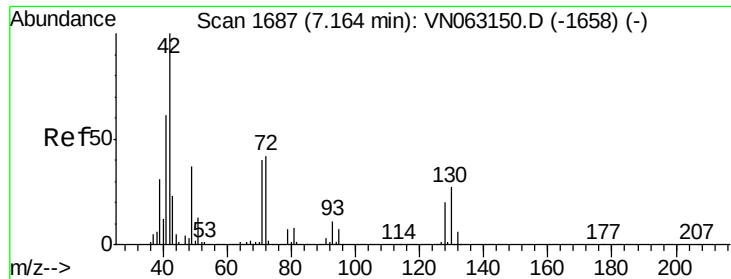


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Time--> 3.74 3.75 3.76 3.77 3.78





#29

Tetrahydrofuran

Concen: 0.505 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

Instrument :

MSVOA_N

ClientSampled :

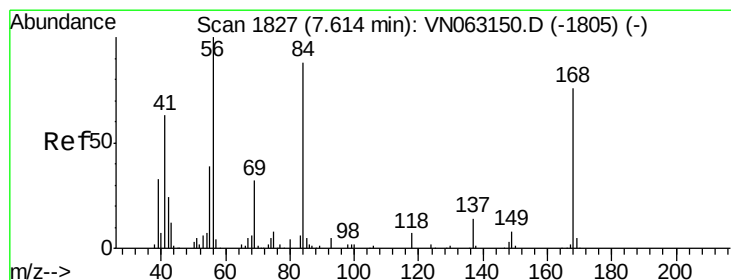
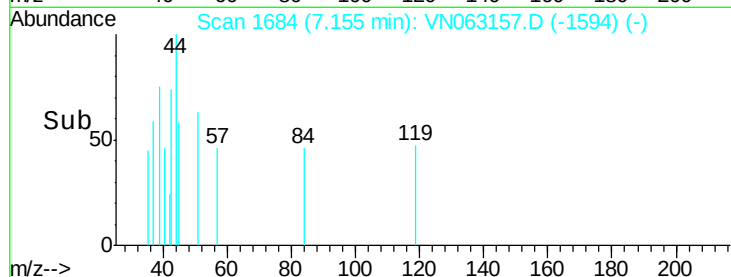
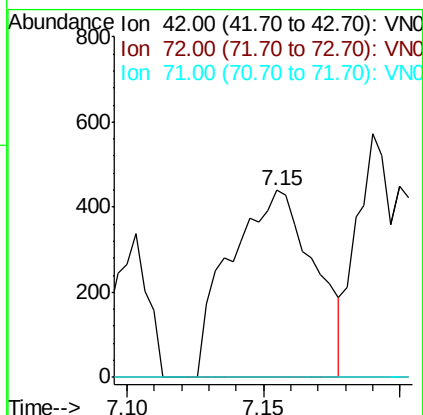
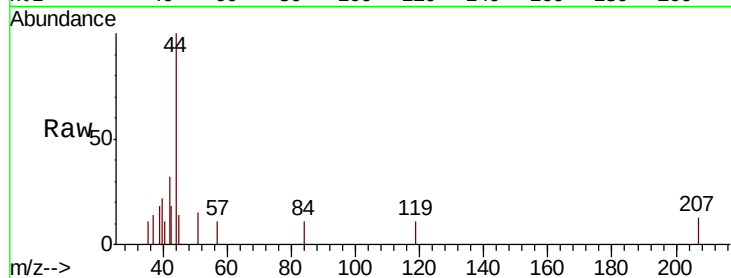
Tot Ion: 42 Resp: 942

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

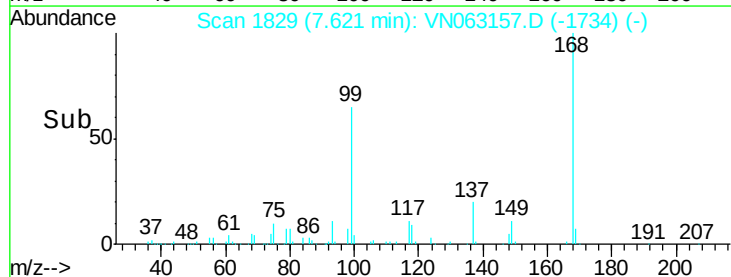
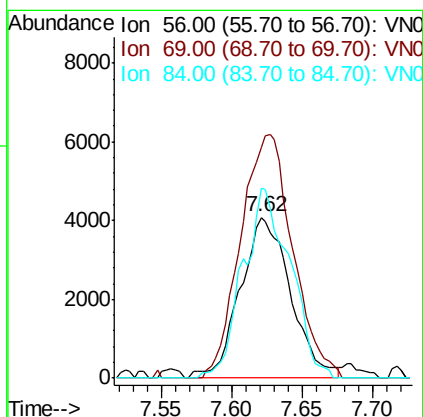
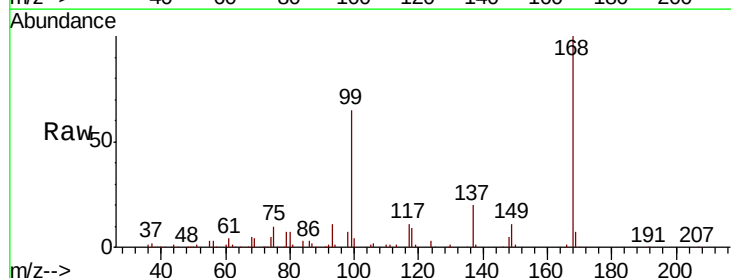
Tgt Ion: 56 Resp: 10198

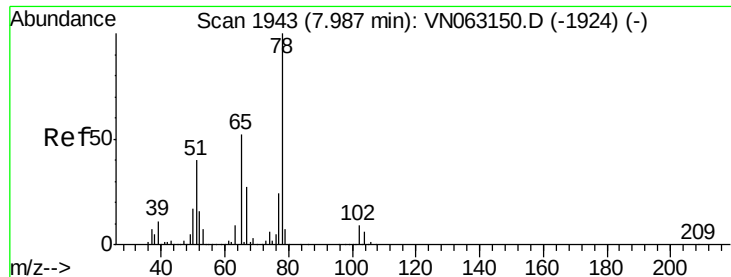
Ion Ratio Lower Upper

56 100

69 143.6 25.4 38.0#

84 117.7 70.2 105.4#

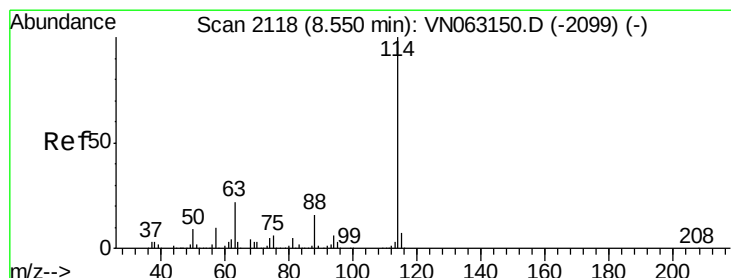
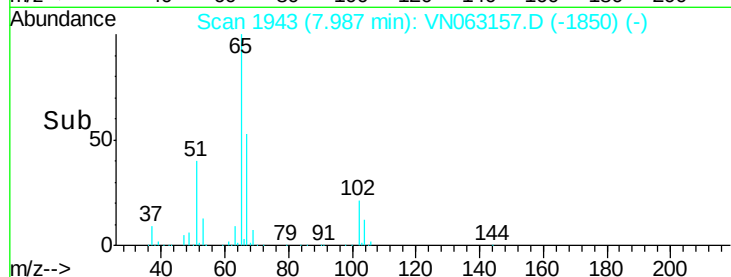
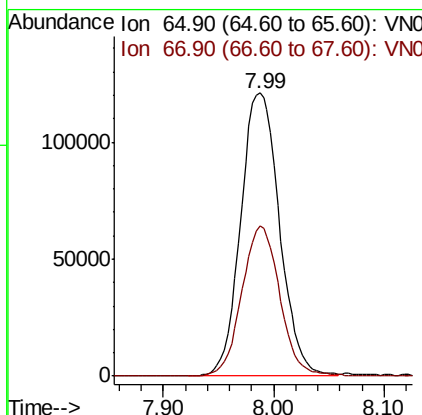
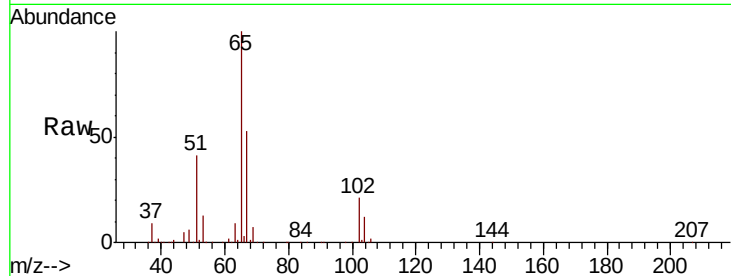




#33
 1,2-Dichloroethane-d4
 Concen: 48.235 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063157.D
 Acq: 1 Sep 2020 15:58

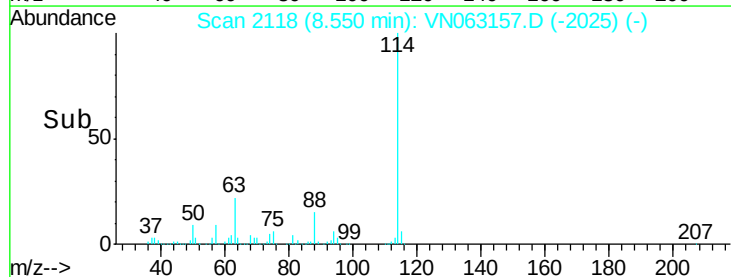
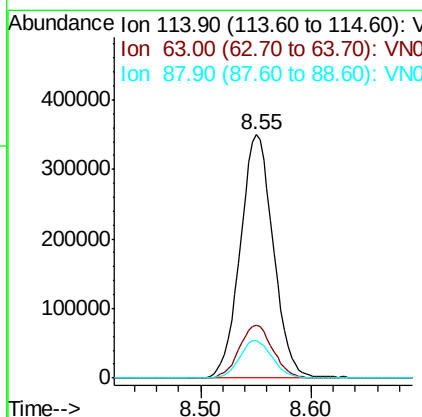
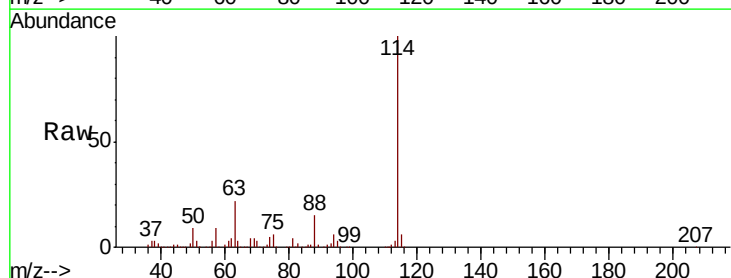
Instrument :
 MSVOA_N
 ClientSampled :

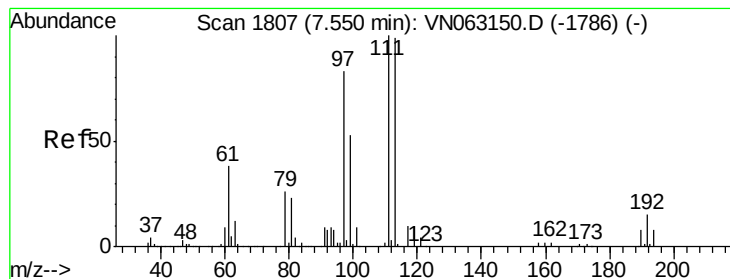
Tot Ion: 65 Resp: 295812
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063157.D
 Acq: 1 Sep 2020 15:58

Tgt Ion: 114 Resp: 725077
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 15.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.351 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

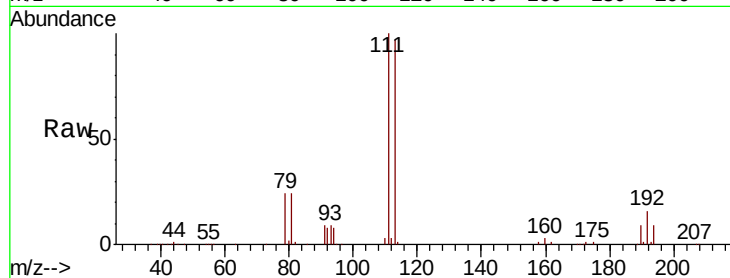
Tot Ion:113 Resp: 229569

Ion Ratio Lower Upper

113 100

111 103.4 80.7 121.1

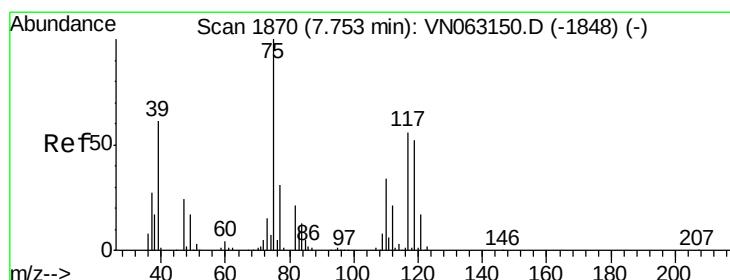
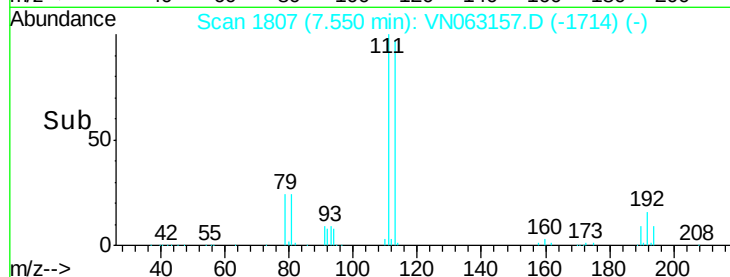
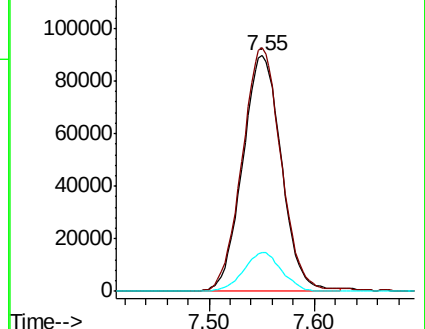
192 16.2 12.6 19.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.192 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

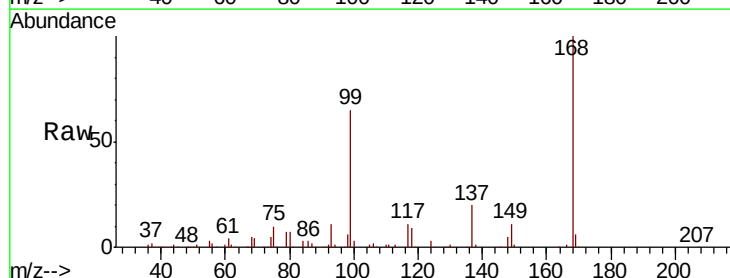
Tgt Ion: 75 Resp: 36192

Ion Ratio Lower Upper

75 100

110 10.0 16.6 49.8#

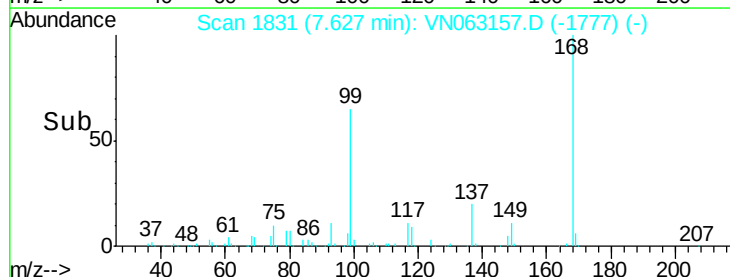
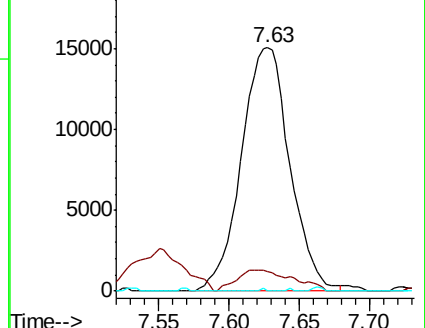
77 0.1 25.4 38.2#

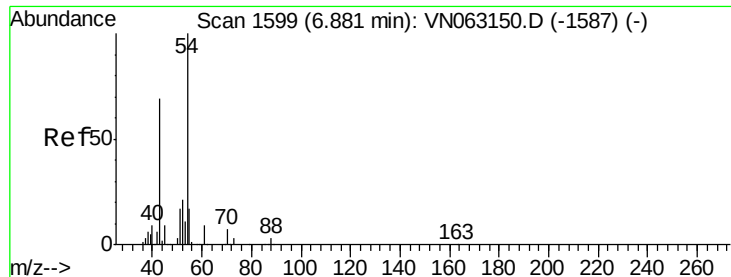


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

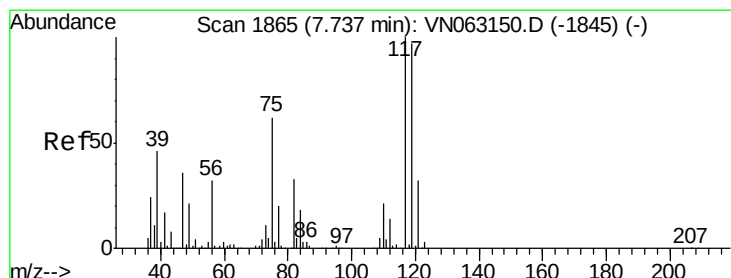
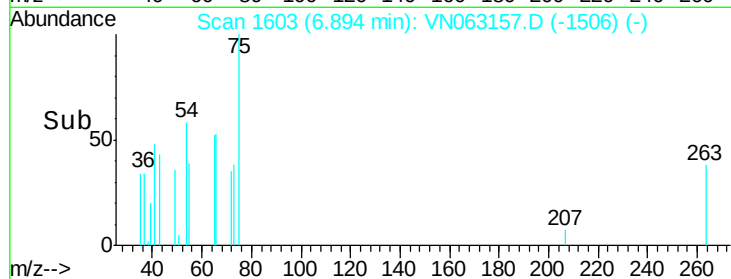
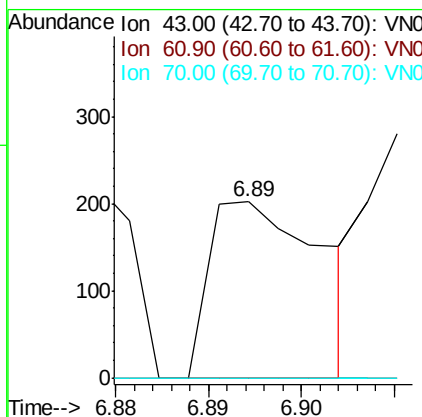
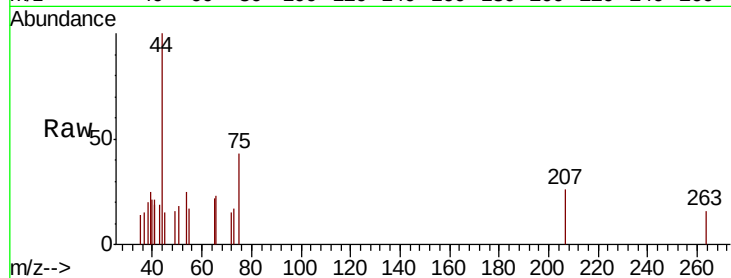




#37
Ethyl Acetate
Concen: 0.406 ug/l
RT: 6.89 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VN063157.D
Acq: 1 Sep 2020 15:58

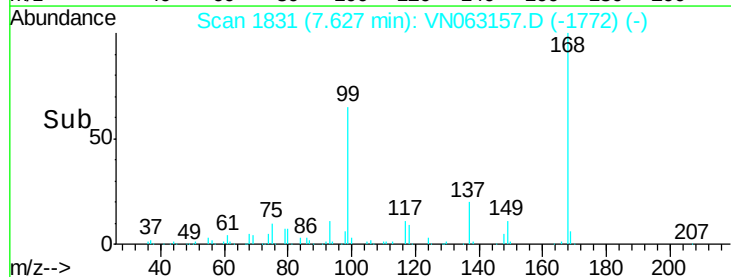
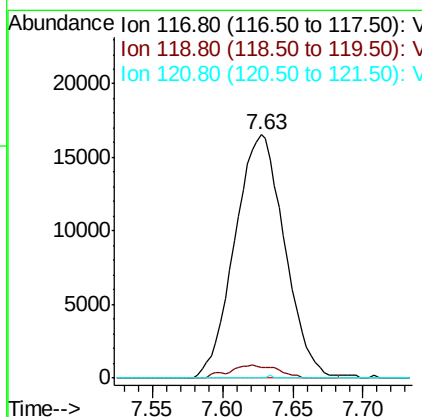
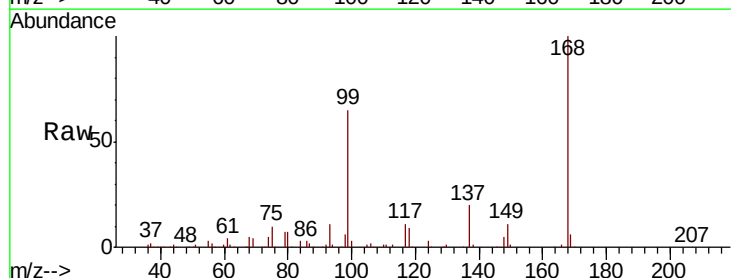
Instrument :
MSVOA_N
ClientSampleId :

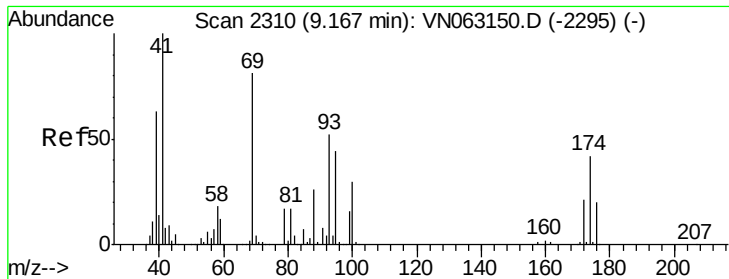
Tot Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 5.769 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063157.D
Acq: 1 Sep 2020 15:58

Tgt Ion: 117 Resp: 40779
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 4.416 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

Instrument :

MSVOA_N

ClientSampled :

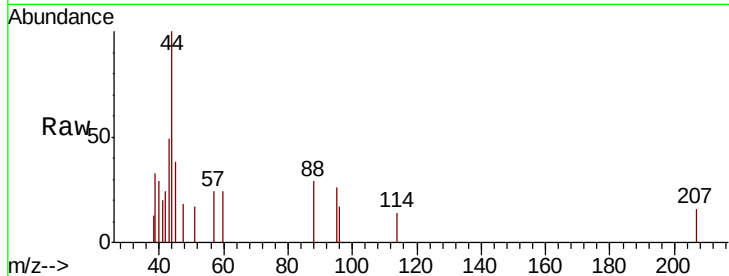
Tot Ion: 88 Resp: 350

Ion Ratio Lower Upper

88 100

43 69.7 28.6 42.8#

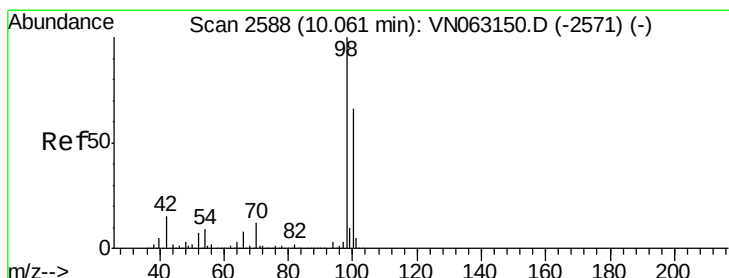
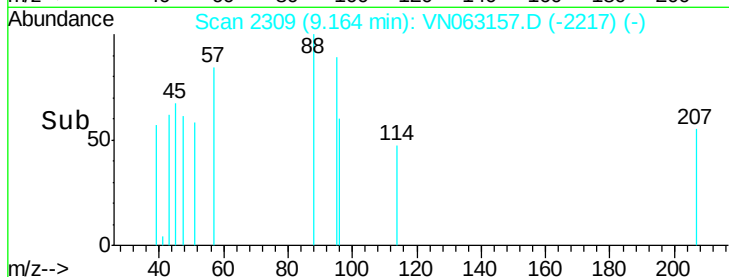
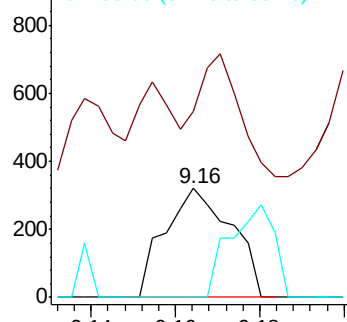
58 57.1 53.2 79.8



Abundance Ion 88.00 (87.70 to 88.70): VN063157.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN063157.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN063157.D (-2217) (-)



#50

Toluene-d8

Concen: 50.600 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063157.D

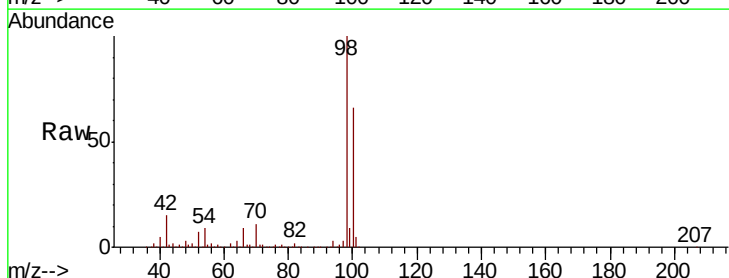
Acq: 1 Sep 2020 15:58

Tgt Ion: 98 Resp: 905967

Ion Ratio Lower Upper

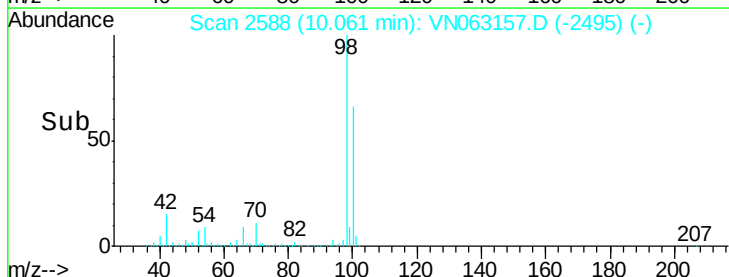
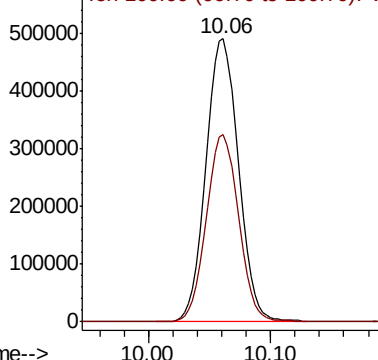
98 100

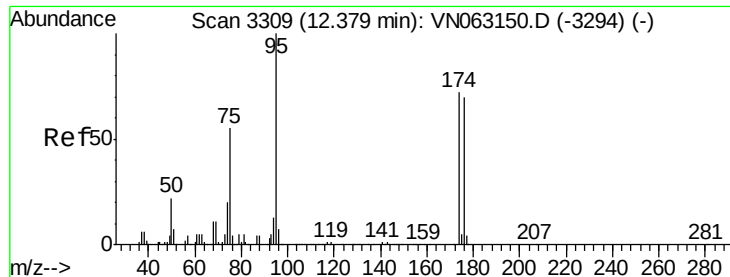
100 65.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN063157.D (-2495) (-)

Ion 100.00 (99.70 to 100.70): VN063157.D (-2495) (-)

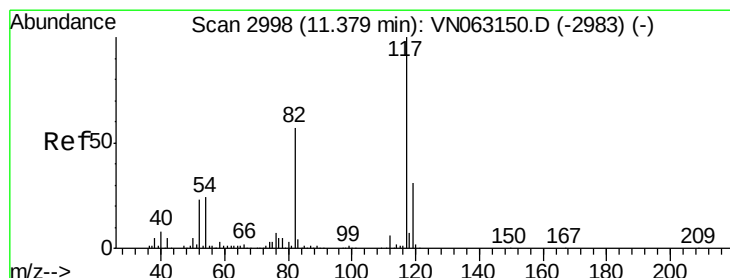
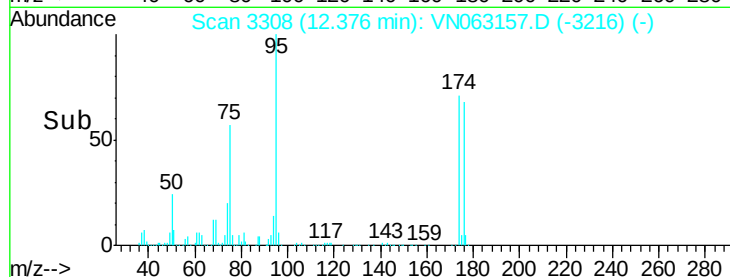
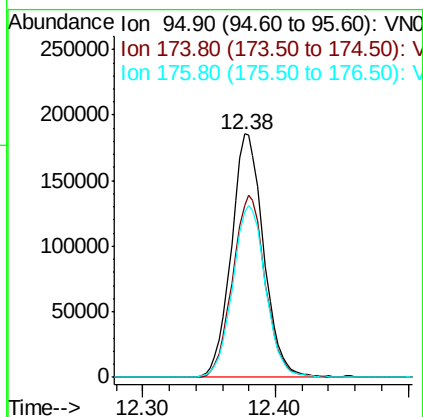
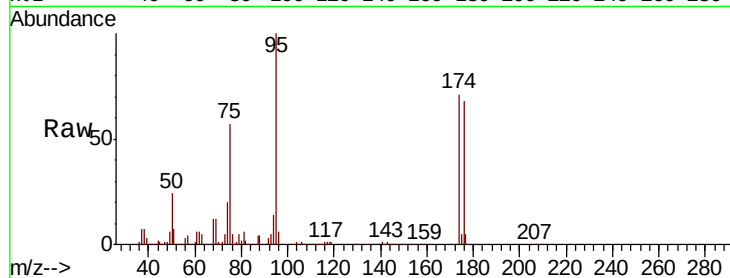




#62
4-Bromofluorobenzene
Concen: 50.238 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063157.D
Acq: 1 Sep 2020 15:58

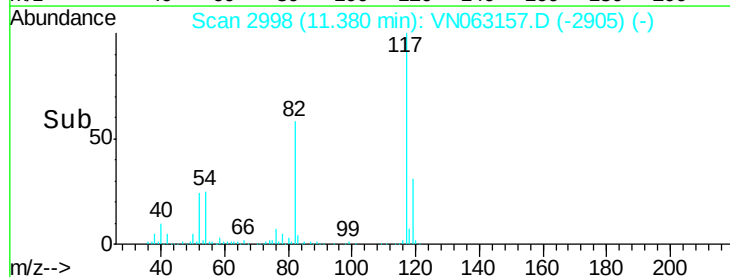
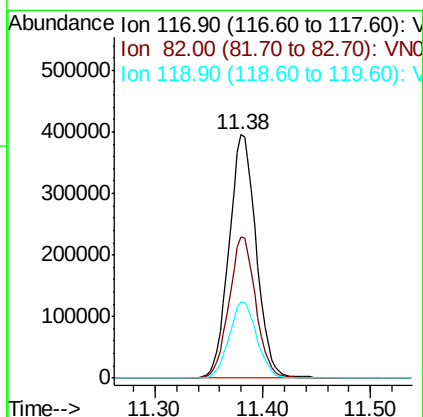
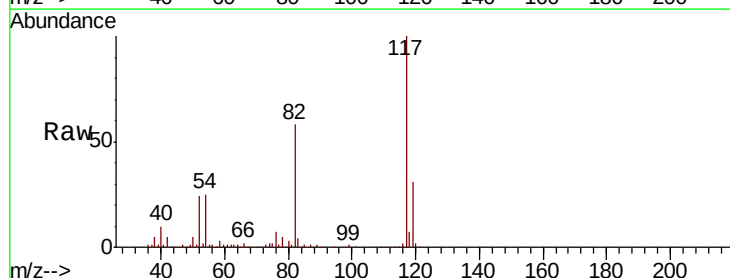
Instrument :
MSVOA_N
ClientSampleId :

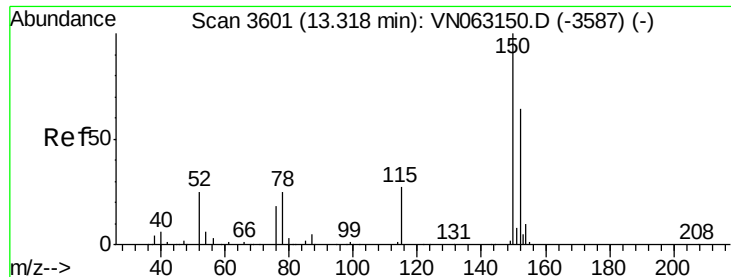
Tot Ion: 95 Resp: 314644
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 71.5 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063157.D
Acq: 1 Sep 2020 15:58

Tgt Ion: 117 Resp: 696459
Ion Ratio Lower Upper
117 100
82 57.9 45.4 68.0
119 31.4 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

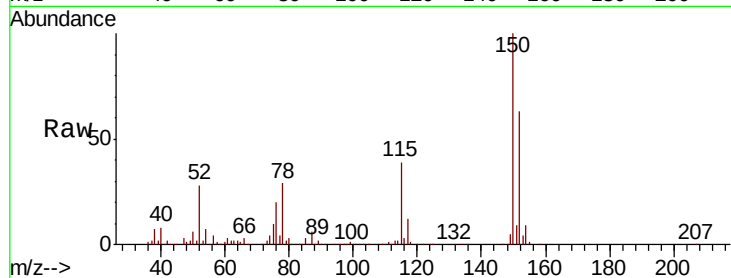
Tot Ion:152 Resp: 280660

Ion Ratio Lower Upper

152 100

115 60.7 32.0 96.2

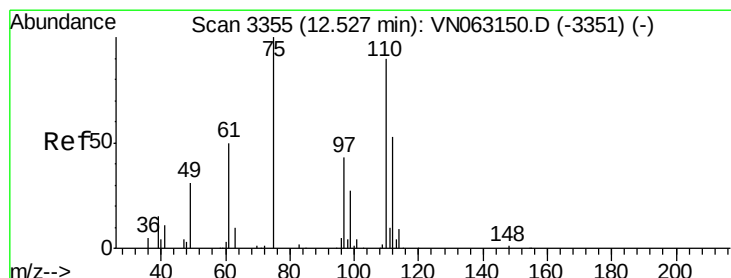
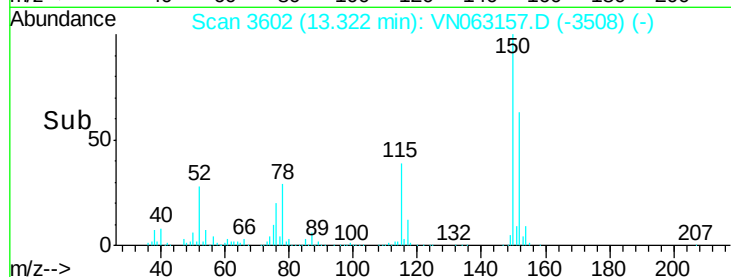
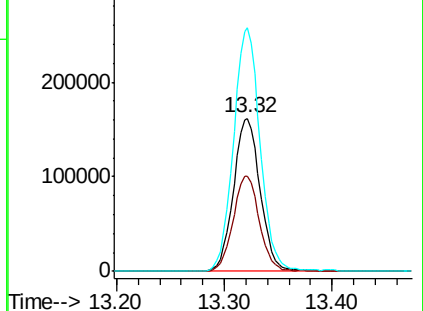
150 157.3 0.0 353.0



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: 32.914 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063157.D

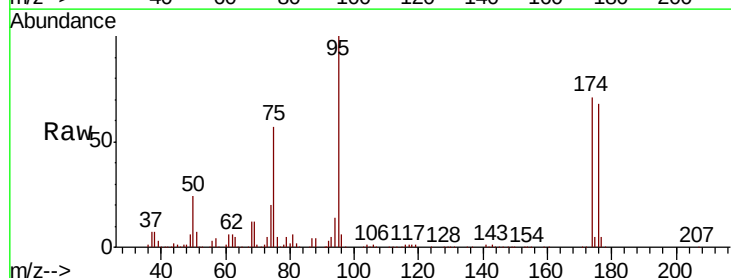
Acq: 1 Sep 2020 15:58

Tgt Ion: 75 Resp: 181502

Ion Ratio Lower Upper

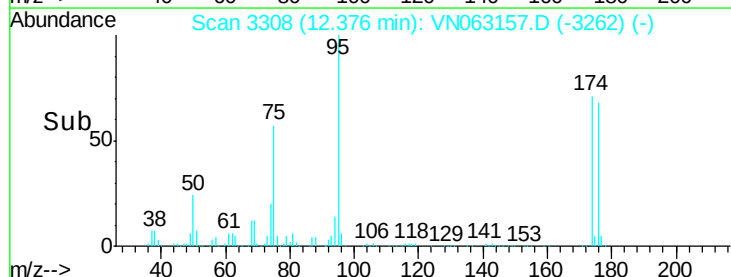
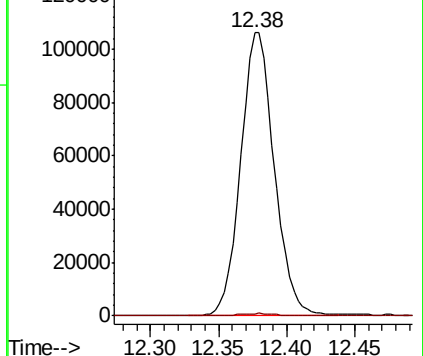
75 100

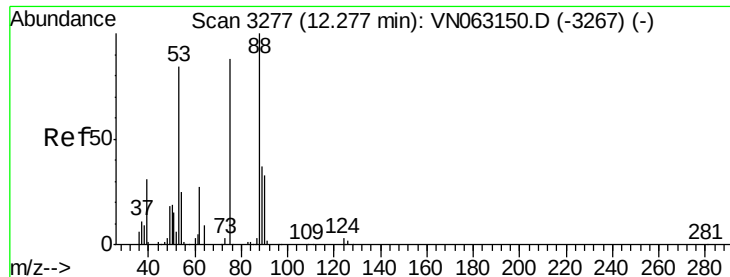
77 1.1 0.0 0.0#



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: 79.553 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063157.D

Acq: 1 Sep 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

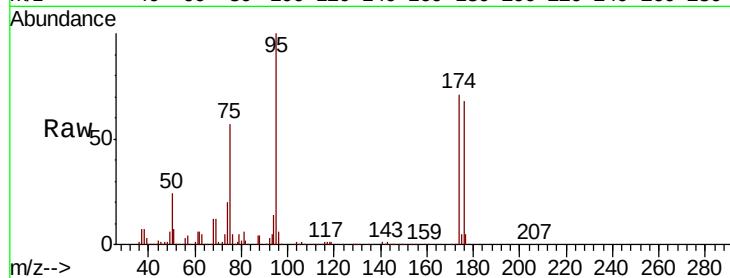
Tot Ion: 75 Resp: 181502

Ion Ratio Lower Upper

75 100

53 0.1 78.7 118.1#

89 0.0 35.3 52.9#



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

