

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063262.D
 Acq On : 5 Sep 2020 2:25
 Operator : JC/MD
 Sample : VN0904WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBL02

Quant Time: Sep 05 07:33:27 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	263616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	522151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	505225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197399	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	206329	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	7.55	113	162265	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.06	98	654564	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.38	95	225214	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

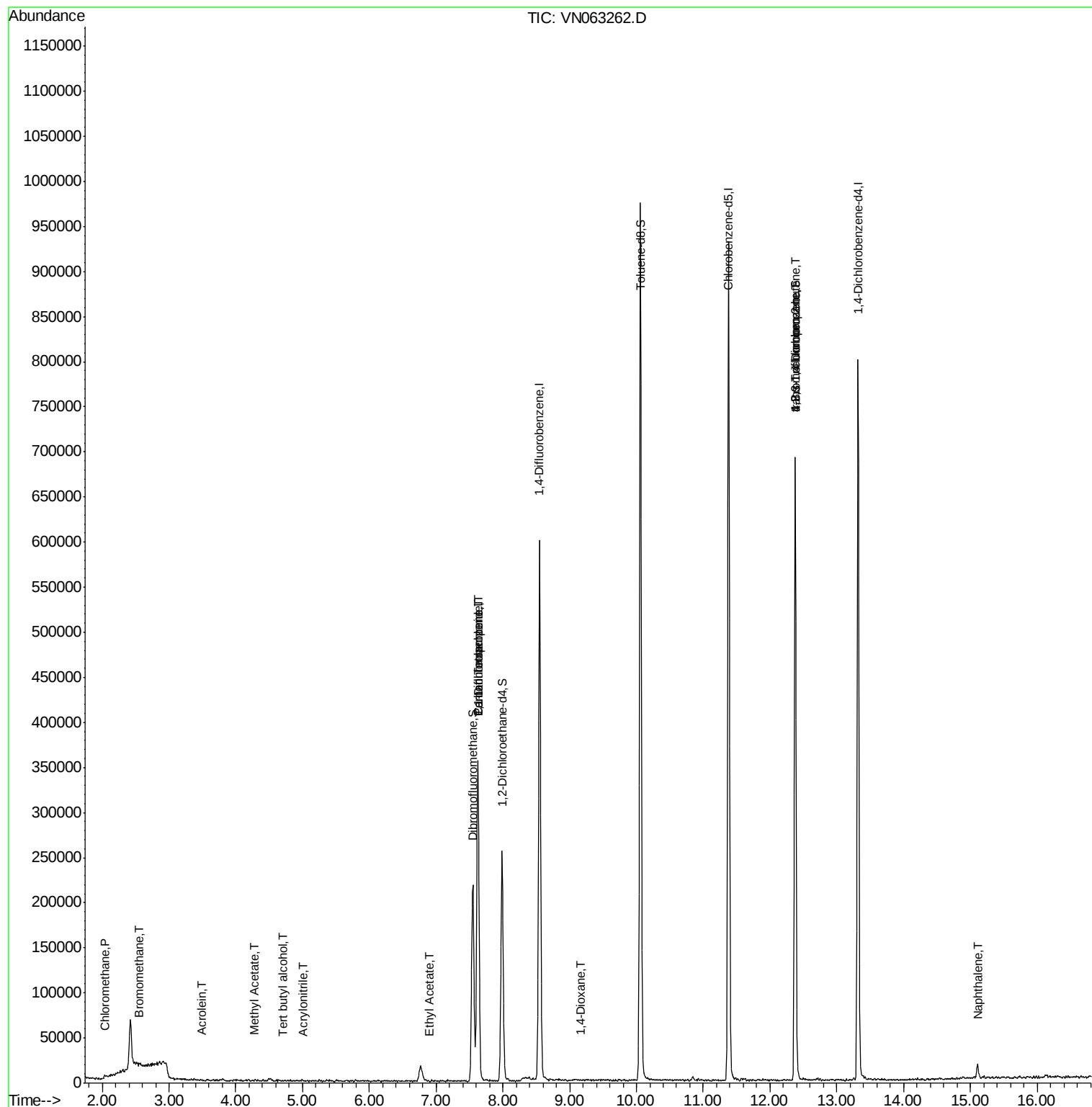
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1378	0.365	ug/l #	70
5) Bromomethane	2.55	94	1305	0.371	ug/l	84
7) Trichlorofluoromethane	2.97	101	112	Below Cal	#	19
11) Tert butyl alcohol	4.72	59	287	0.543	ug/l	99
13) Acrolein	3.50	56	32	15.918	ug/l #	1
15) Acrylonitrile	5.02	53	66	2.448	ug/l #	27
18) Methyl Acetate	4.29	43	1135	0.361	ug/l #	52
20) Methylene Chloride	4.50	84	632	Below Cal	#	59
31) Cyclohexane	7.62	56	7681	Below Cal	#	35
36) 1,1-Dichloropropene	7.62	75	24206	4.822	ug/l #	46
37) Ethyl Acetate	6.90	43	127	0.407	ug/l #	72
38) Carbon Tetrachloride	7.62	117	28675	5.633	ug/l #	15
49) 1,4-Dioxane	9.17	88	64	1.121	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	129284	33.334	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	129284	80.567	ug/l #	10
95) Naphthalene	15.11	128	13804	1.213	ug/l	98

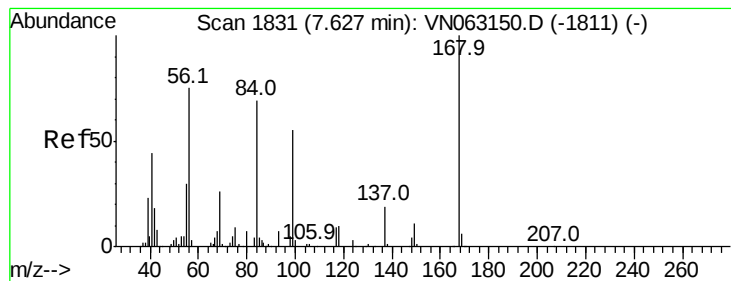
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090420\
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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: VN063262.D

Acq: 5 Sep 2020 2:25

Instrument :

MSVOA_N

ClientSampleId :

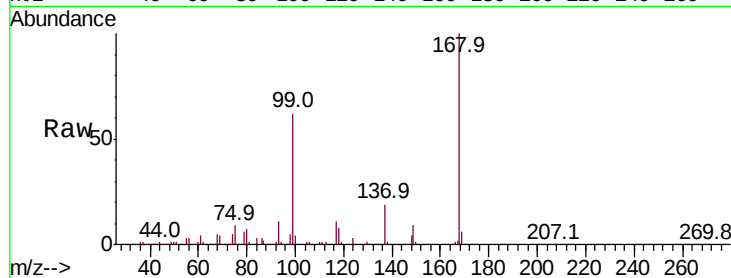
VN0904WBL02

Tot Ion:168 Resp: 263616

Ion Ratio Lower Upper

168 100

99 61.8 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

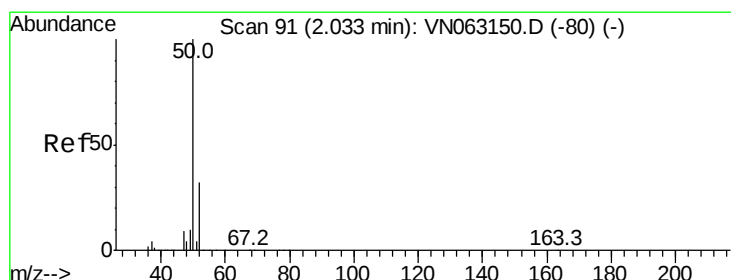
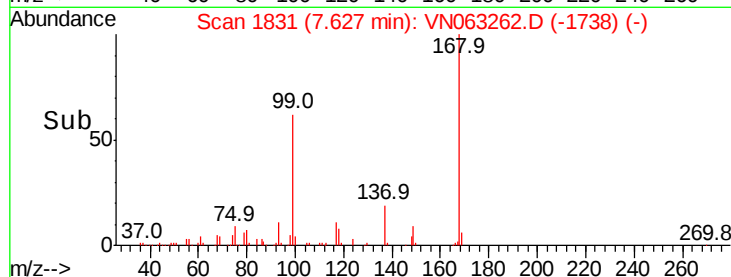
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.365 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063262.D

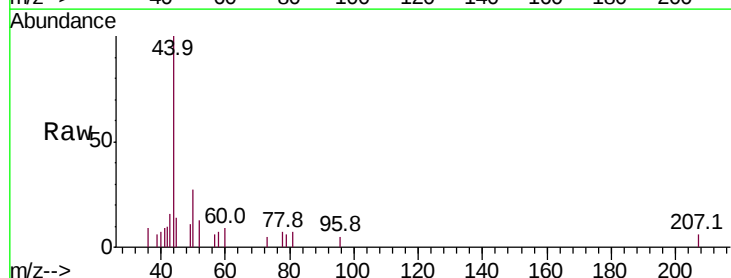
Acq: 5 Sep 2020 2:25

Tgt Ion: 50 Resp: 1378

Ion Ratio Lower Upper

50 100

52 49.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

800

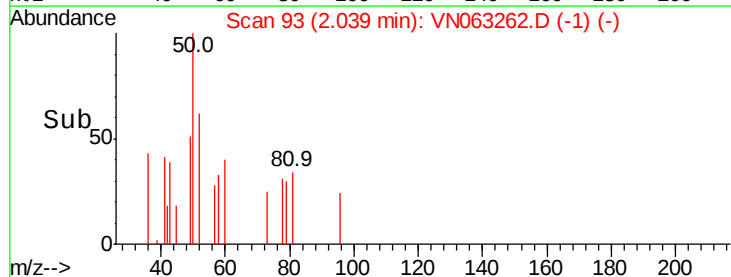
600

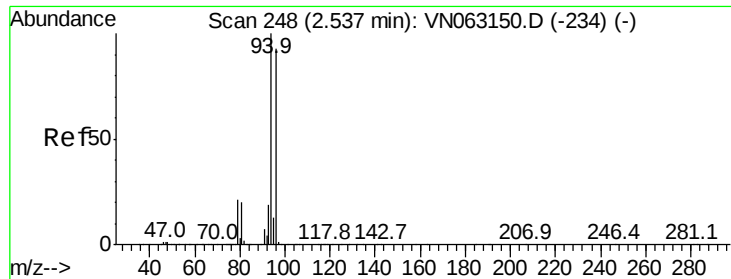
400

200

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: 0.371 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN063262.D

Acq: 5 Sep 2020 2:25

Instrument :

MSVOA_N

ClientSampleId :

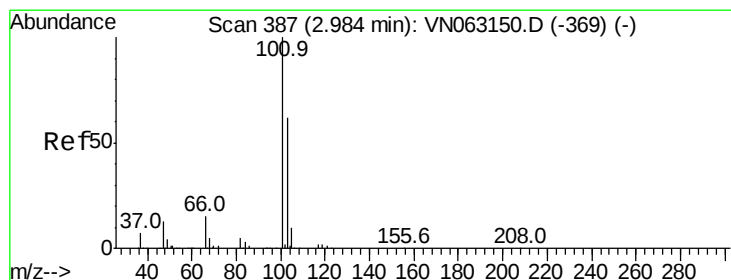
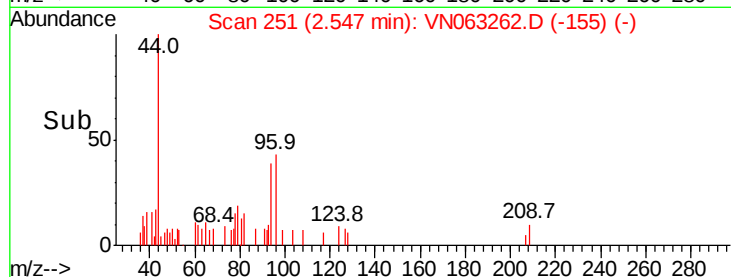
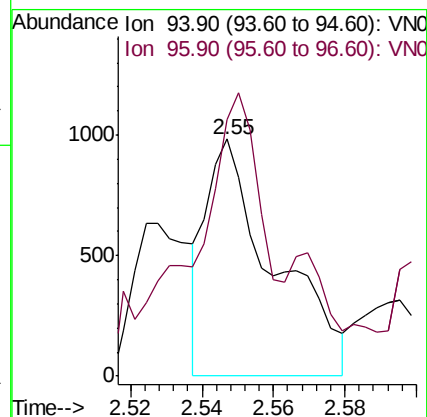
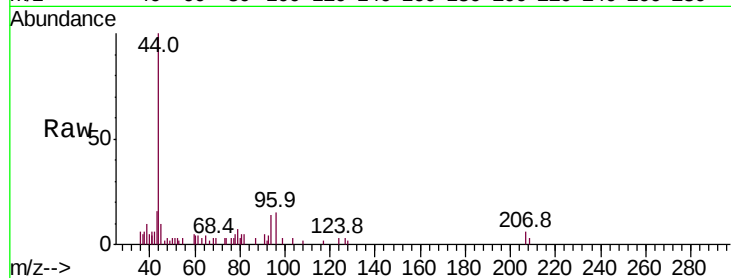
VN0904WBL02

Tot Ion: 94 Resp: 1305

Ion Ratio Lower Upper

94 100

96 108.4 74.4 111.6



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.97 min Scan# 384

Delta R.T. -0.01 min

Lab File: VN063262.D

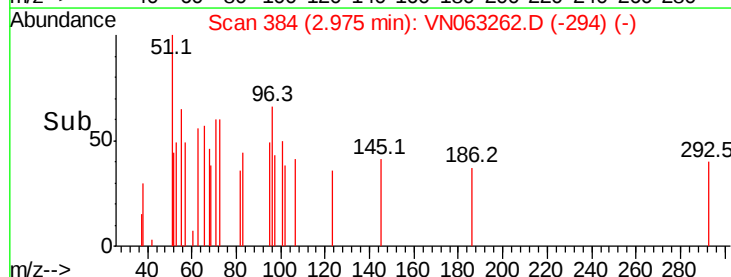
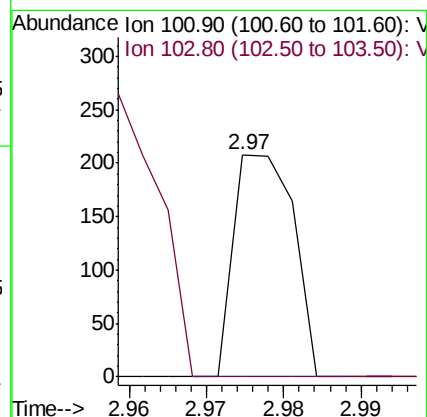
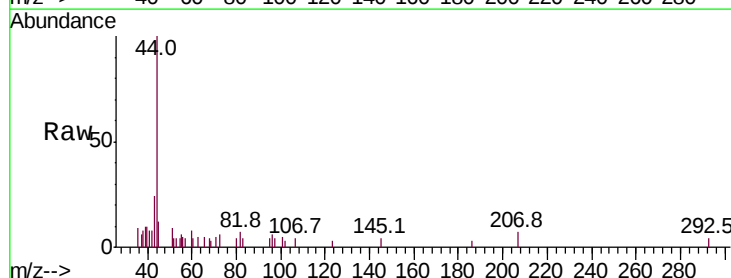
Acq: 5 Sep 2020 2:25

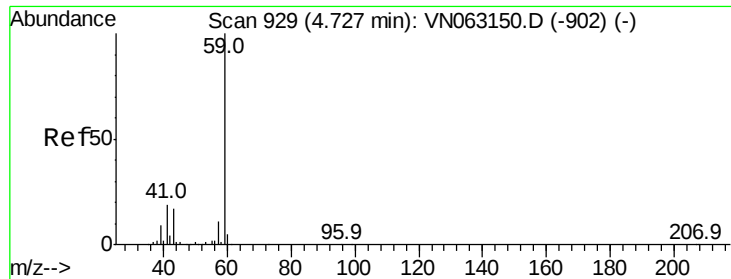
Tgt Ion:101 Resp: 112

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#

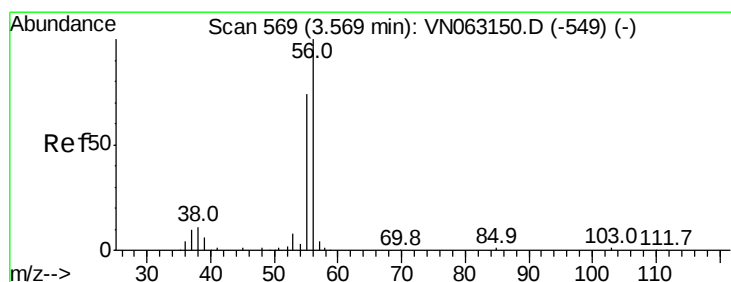
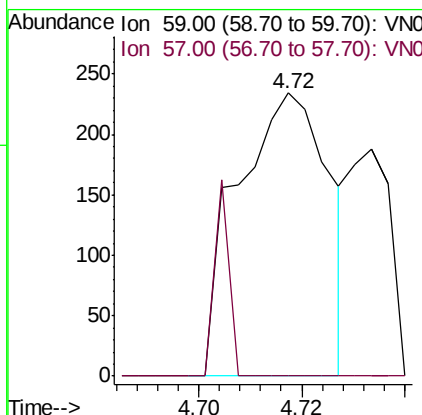
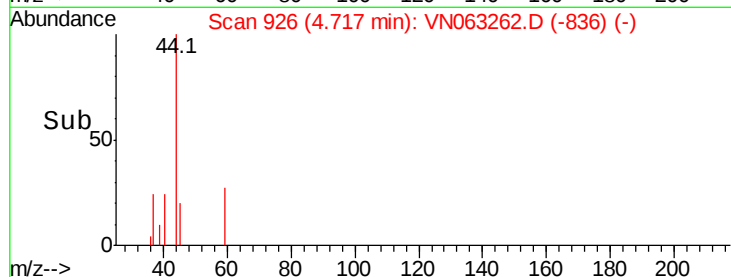
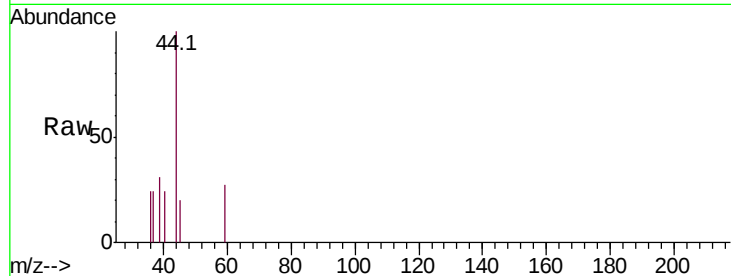




#11
Tert butyl alcohol
Concen: 0.543 ug/l
RT: 4.72 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

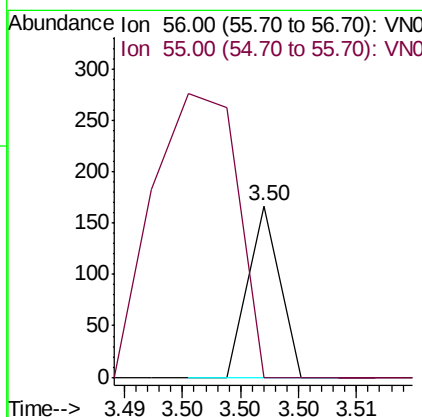
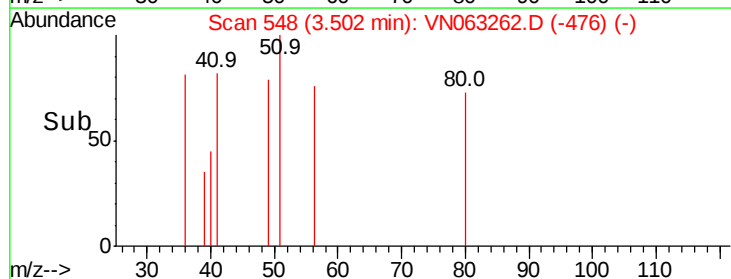
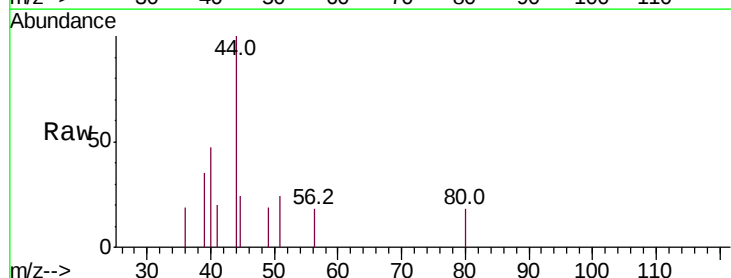
Instrument :
MSVOA_N
ClientSampled :
VN0904WBL02

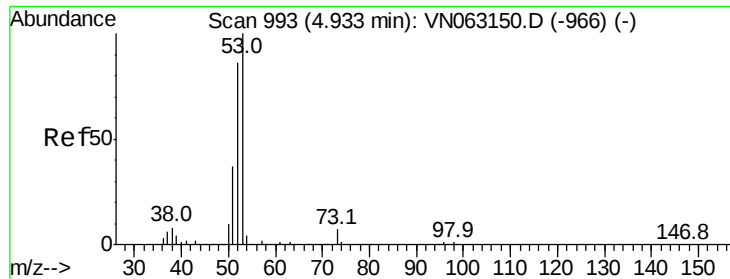
Tot Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6



#13
Acrolein
Concen: 15.918 ug/l
RT: 3.50 min Scan# 548
Delta R.T. -0.07 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

Tgt Ion: 56 Resp: 32
Ion Ratio Lower Upper
56 100
55 434.4 55.4 83.0#





#15

Acrylonitrile

Concen: 2.448 ug/l

RT: 5.02 min Scan# 1019

Delta R.T. 0.08 min

Lab File: VN063262.D

Acq: 5 Sep 2020 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBL02

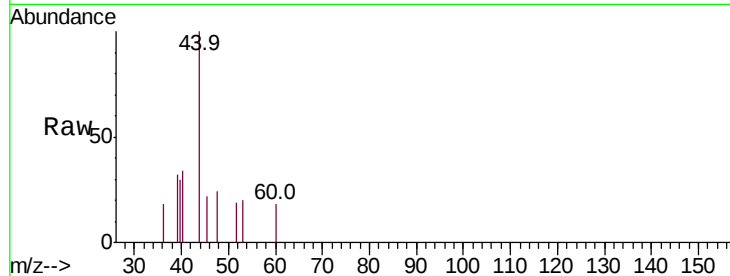
Tot Ion: 53 Resp: 66

Ion Ratio Lower Upper

53 100

52 154.5 67.2 100.8#

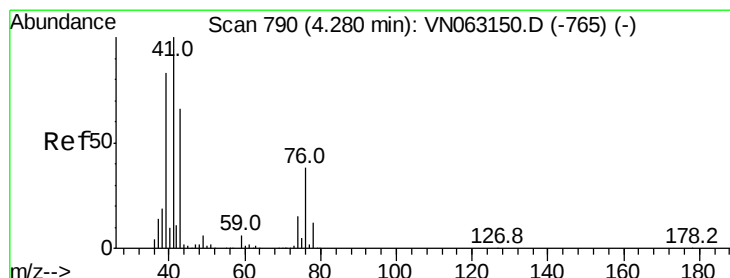
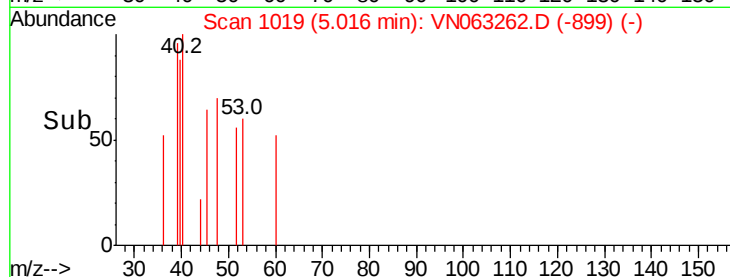
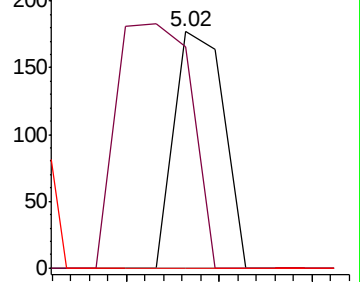
51 0.0 30.2 45.4#



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



#18

Methyl Acetate

Concen: 0.361 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN063262.D

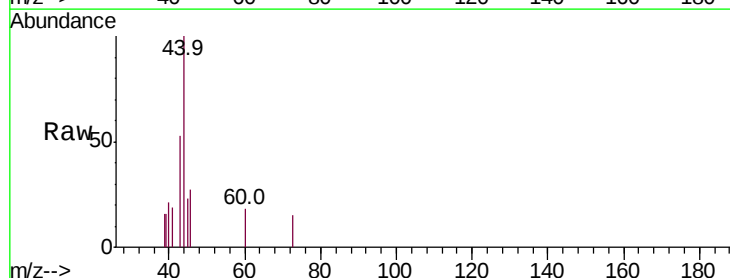
Acq: 5 Sep 2020 2:25

Tgt Ion: 43 Resp: 1135

Ion Ratio Lower Upper

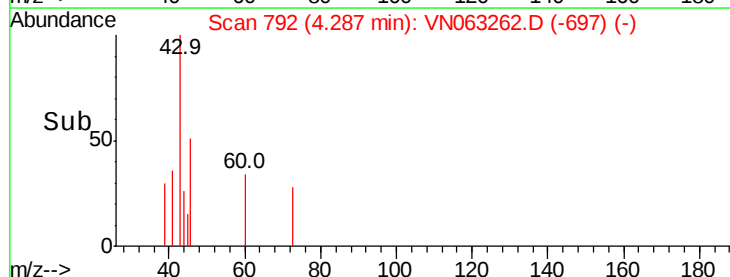
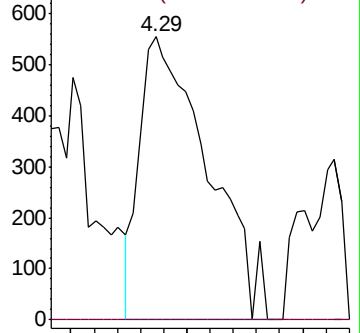
43 100

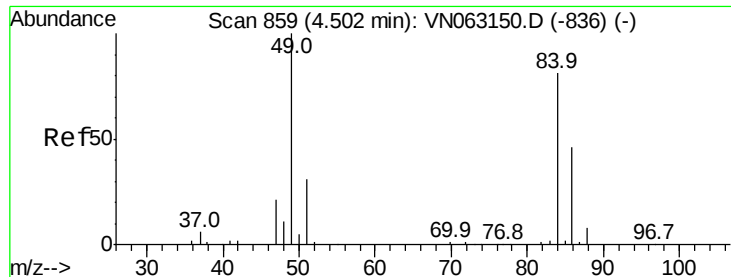
74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

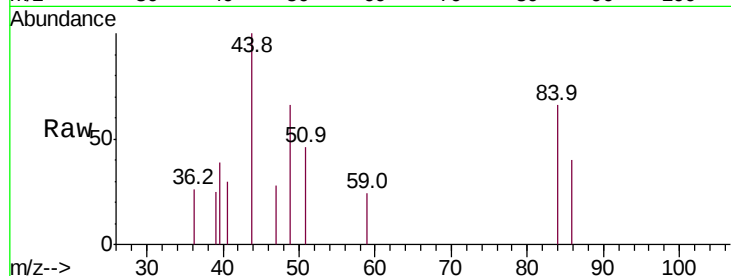




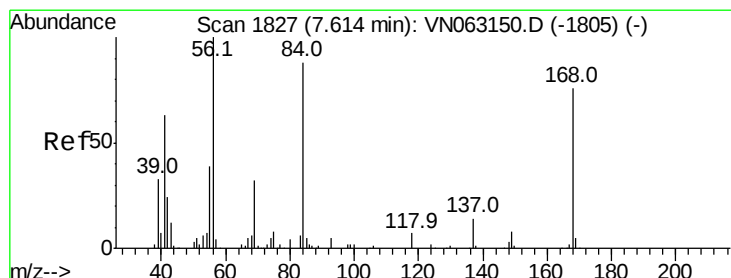
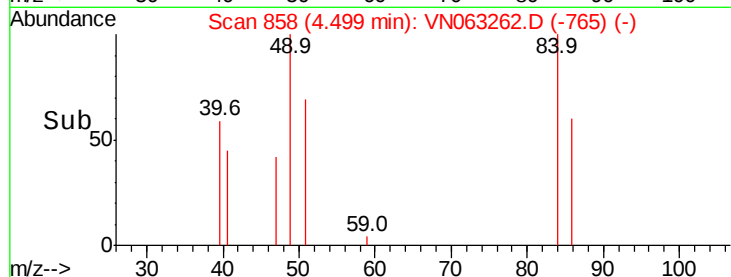
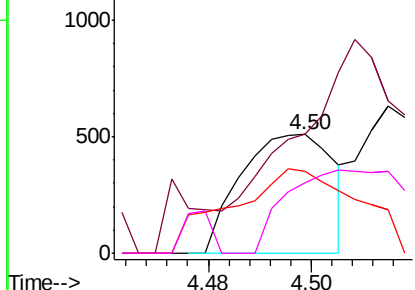
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

Instrument :
MSVOA_N
ClientSampled :
VN0904WBL02

Tot Ion: 84 Resp: 632
Ion Ratio Lower Upper
84 100
49 62.5 98.4 147.6#
51 37.1 30.4 45.6
86 26.3 45.7 68.5#

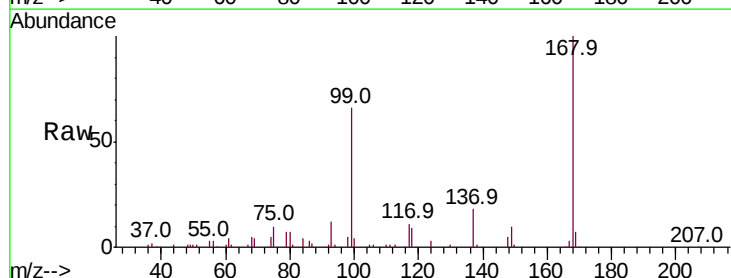


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

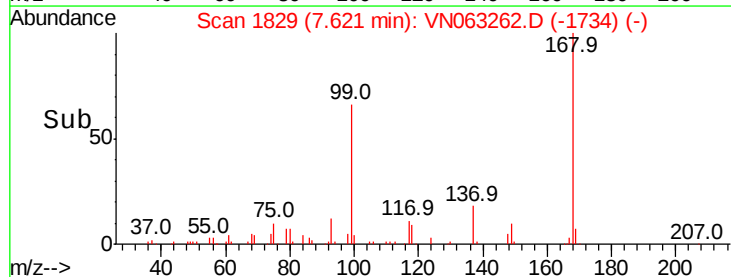
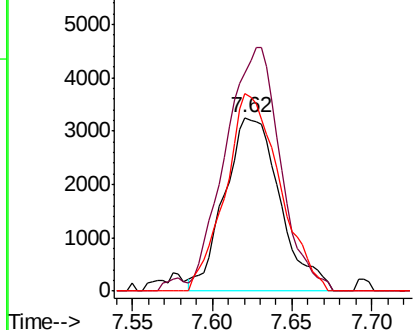


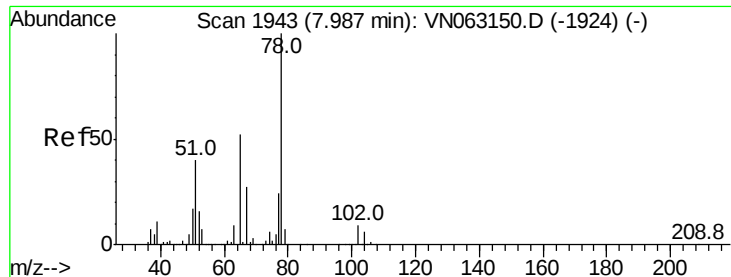
#31
Cyclohexane
Concen: Below Cal
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

Tgt Ion: 56 Resp: 7681
Ion Ratio Lower Upper
56 100
69 125.5 25.4 38.0#
84 113.8 70.2 105.4#



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





#33

1,2-Dichloroethane-d4

Concen: 47.879 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063262.D

Acq: 5 Sep 2020 2:25

Instrument :

MSVOA_N

ClientSampleId :

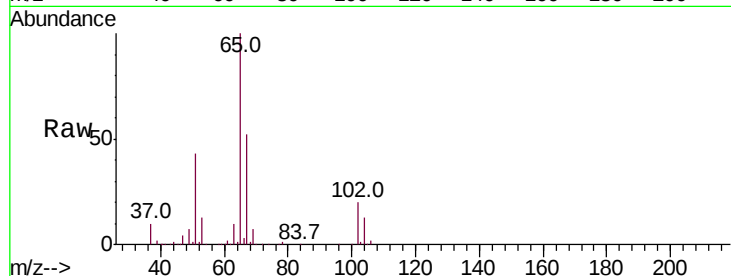
VN0904WBL02

Tot Ion: 65 Resp: 206329

Ion Ratio Lower Upper

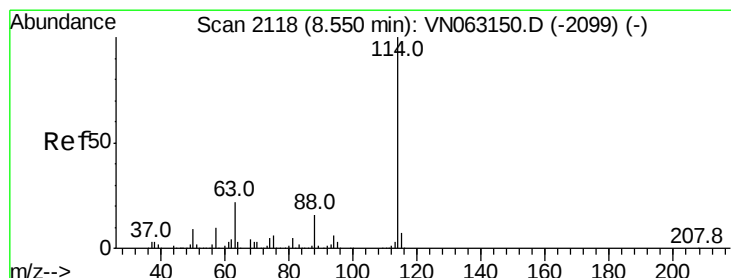
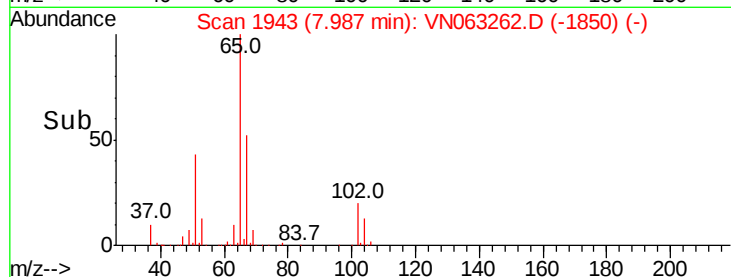
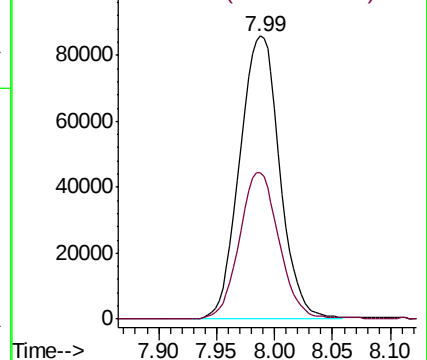
65 100

67 51.0 0.0 104.4



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# 2118

Delta R.T. 0.00 min

Lab File: VN063262.D

Acq: 5 Sep 2020 2:25

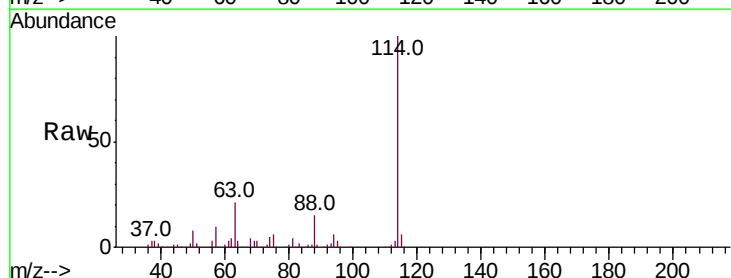
Tgt Ion: 114 Resp: 522151

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

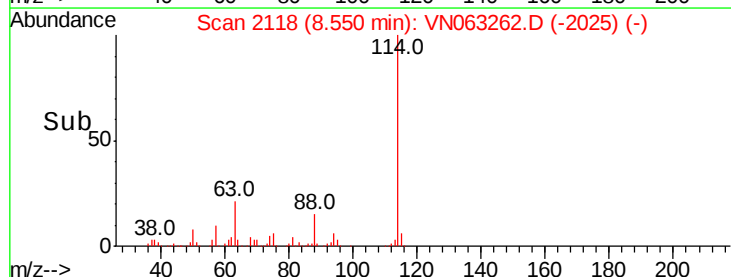
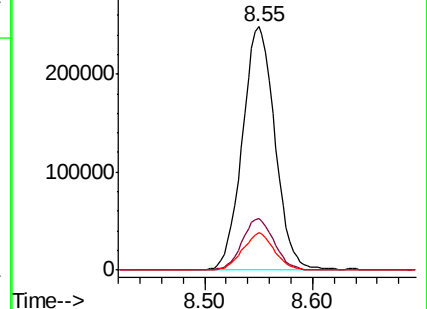
88 15.2 0.0 31.6

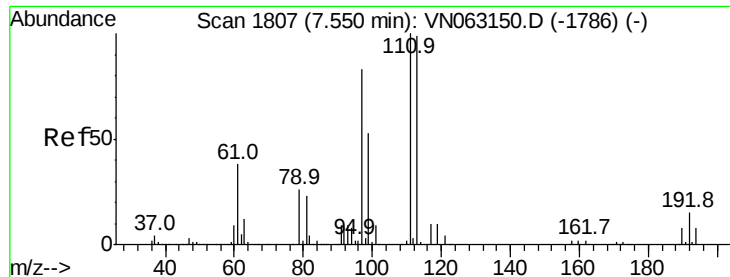


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

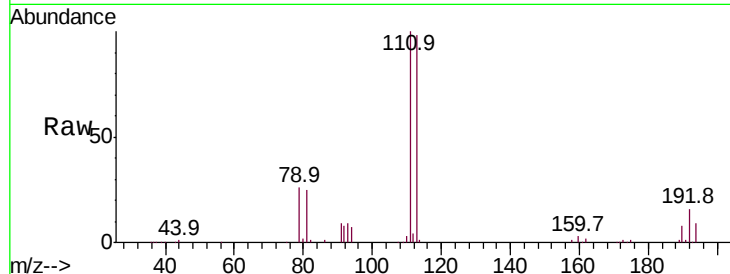




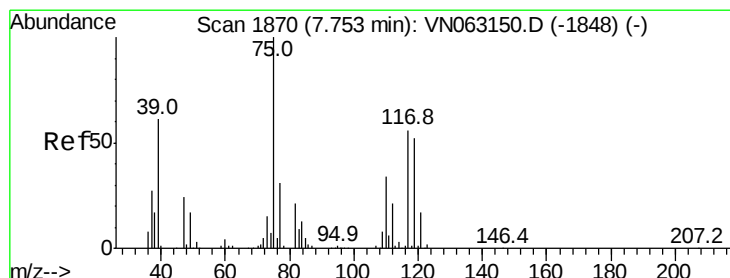
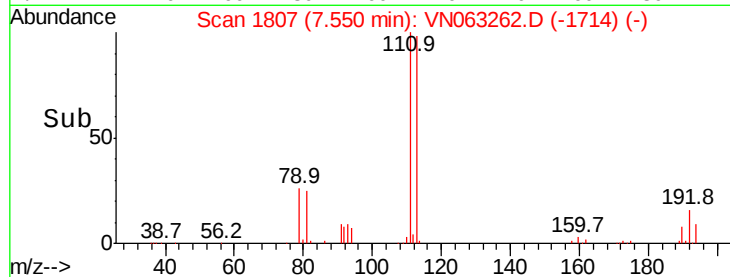
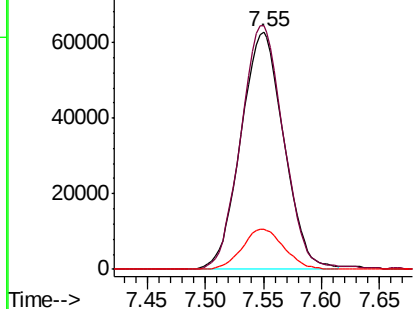
#35
 Dibromofluoromethane
 Concen: 48.439 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063262.D
 Acq: 5 Sep 2020 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBL02

Tot Ion:113 Resp: 162265
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.7 121.1
 192 16.5 12.6 19.0

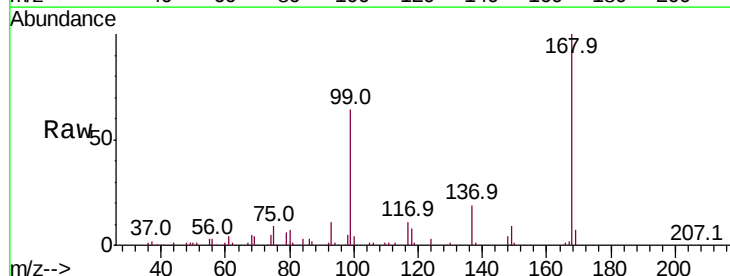


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

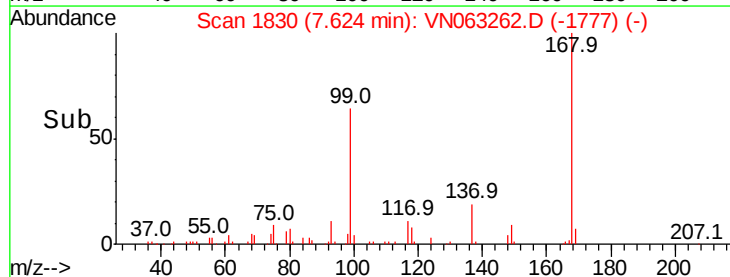
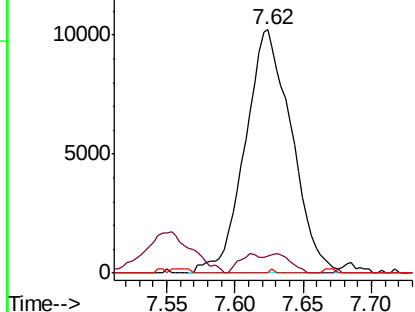


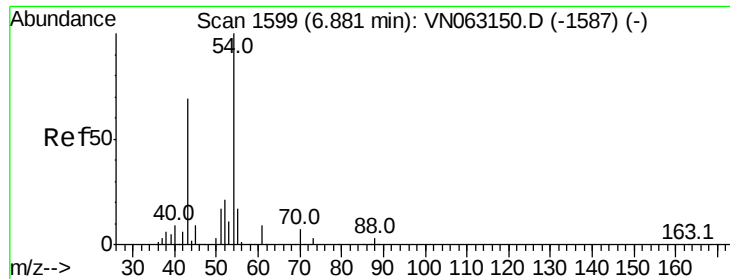
#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063262.D
 Acq: 5 Sep 2020 2:25

Tgt Ion: 75 Resp: 24206
 Ion Ratio Lower Upper
 75 100
 110 3.9 16.6 49.8#
 77 0.1 25.4 38.2#



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

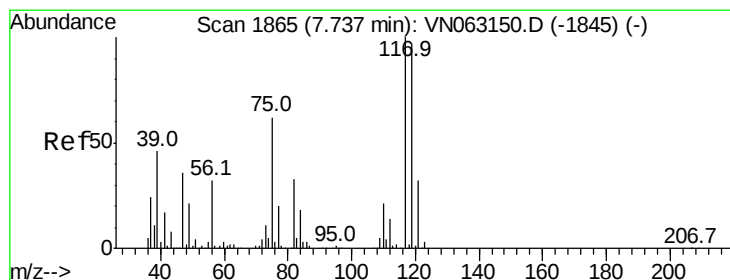
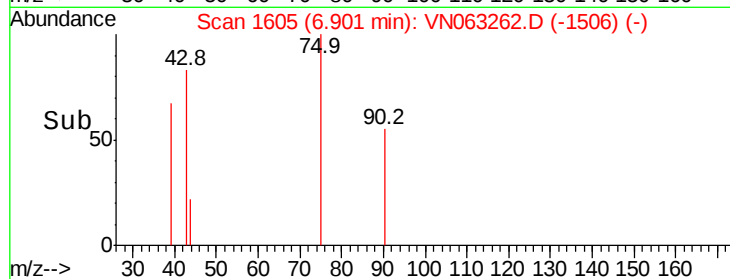
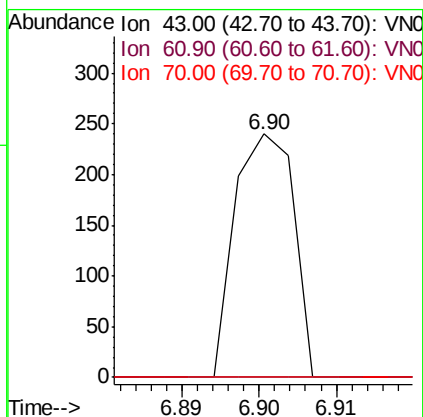
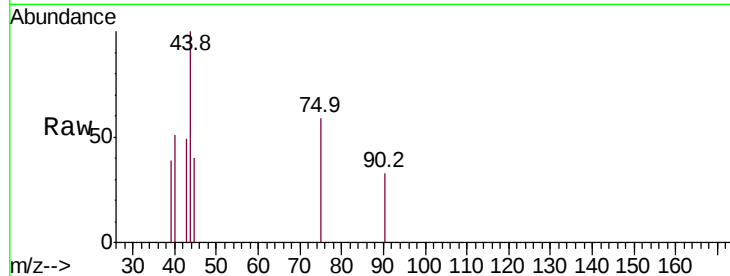




#37
Ethyl Acetate
Concen: 0.407 ug/l
RT: 6.90 min Scan# 1605
Delta R.T. 0.02 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

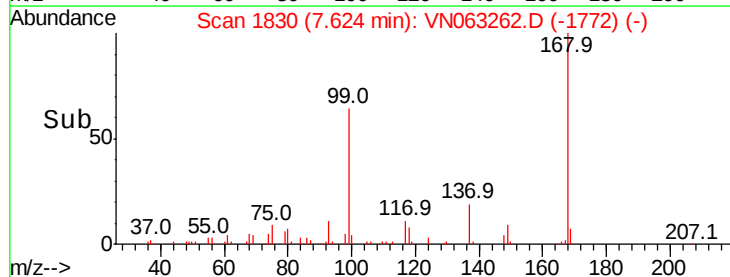
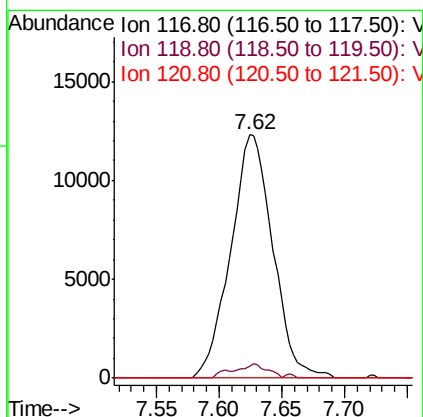
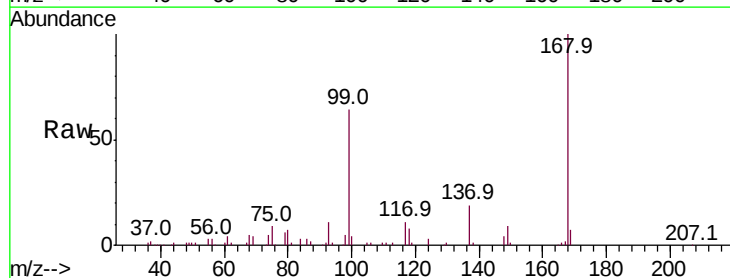
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL02

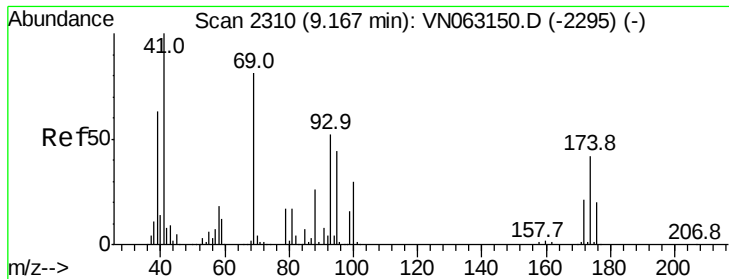
Tot Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 5.633 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

Tgt Ion: 117 Resp: 28675
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.6 38.4#

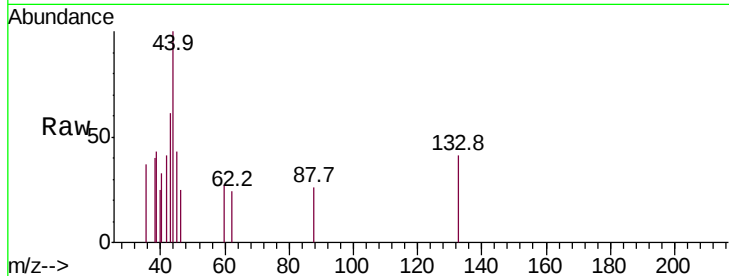




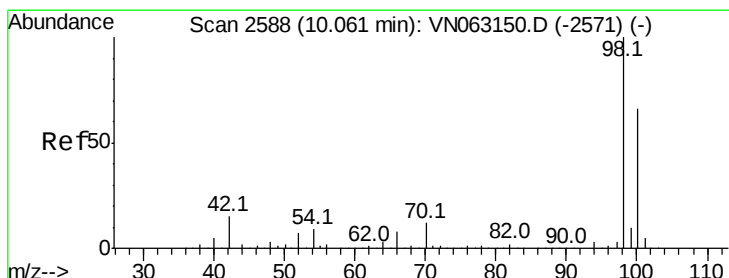
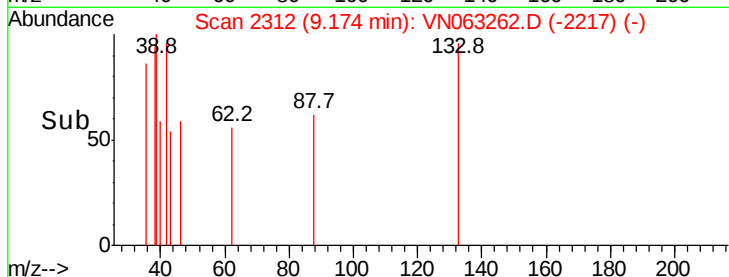
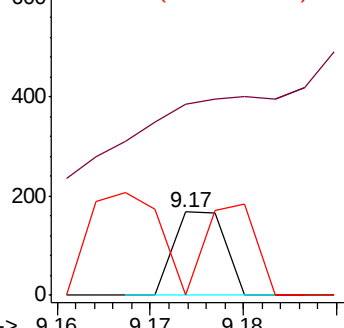
#49
1,4-Dioxane
Concen: 1.121 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL02

Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 171.9 53.2 79.8#

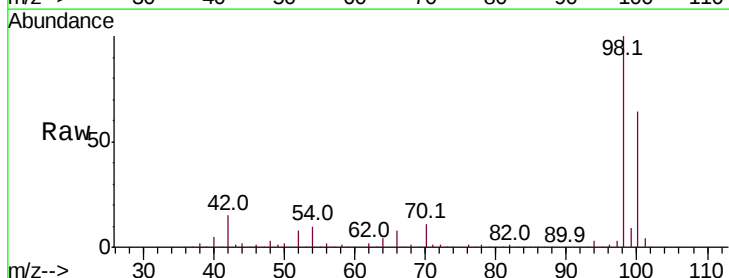


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

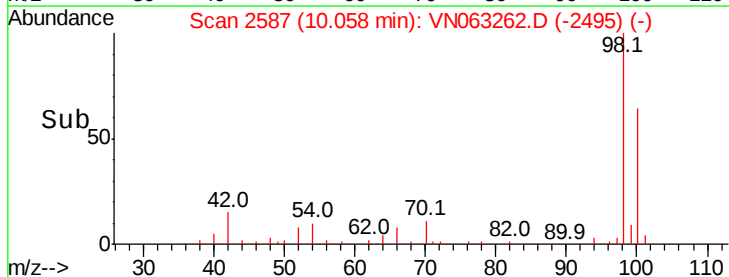
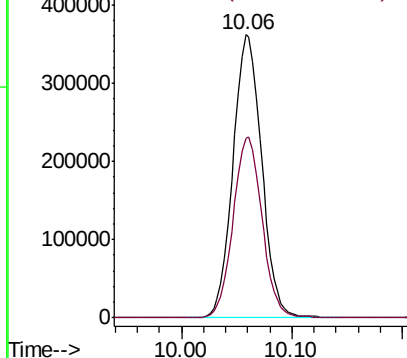


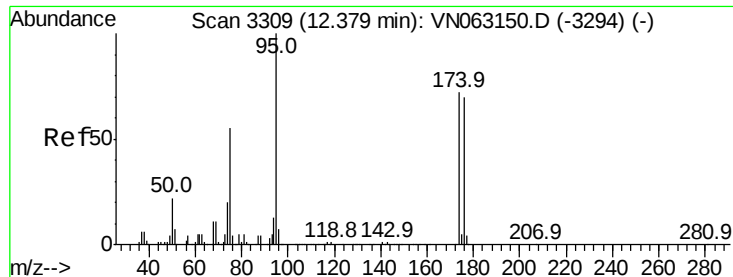
#50
Toluene-d8
Concen: 50.766 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

Tgt Ion: 98 Resp: 654564
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



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

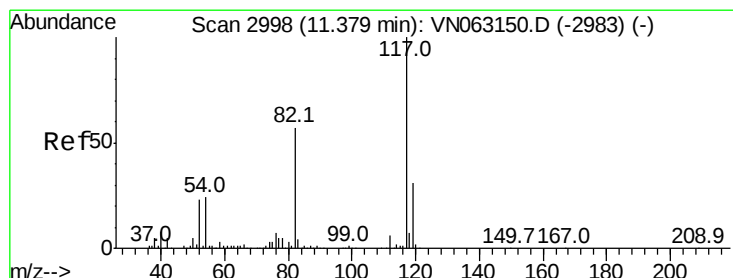
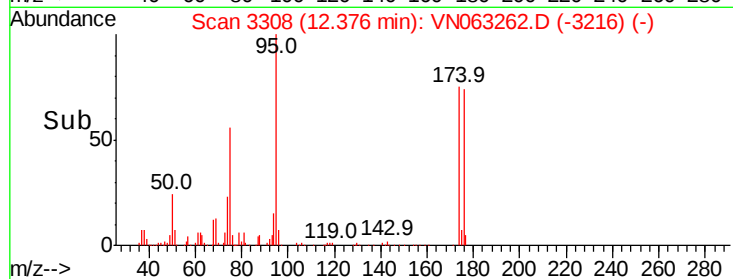
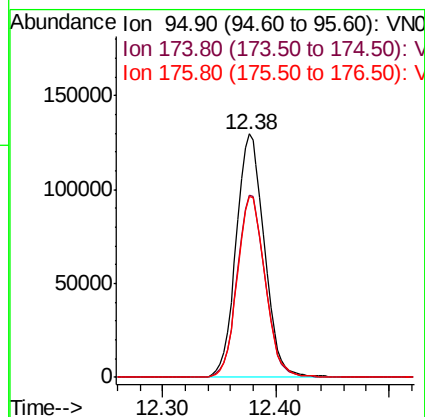
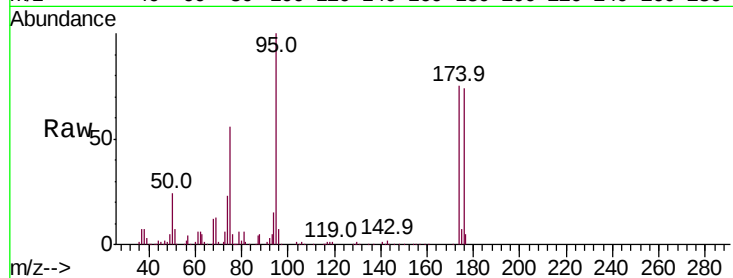




#62
4-Bromofluorobenzene
Concen: 49.934 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

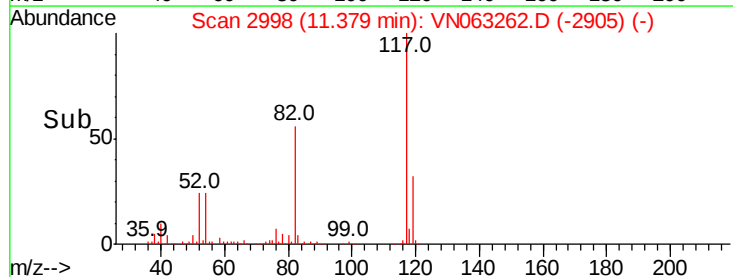
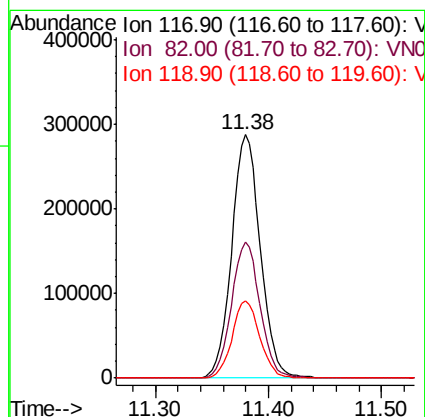
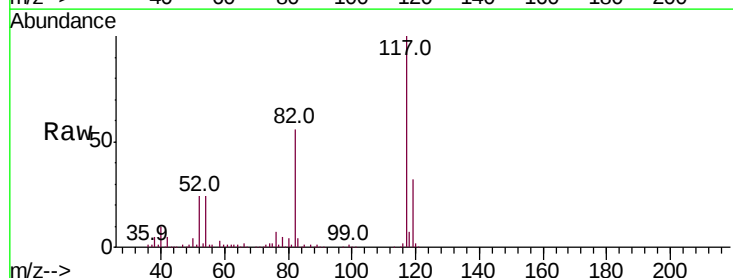
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL02

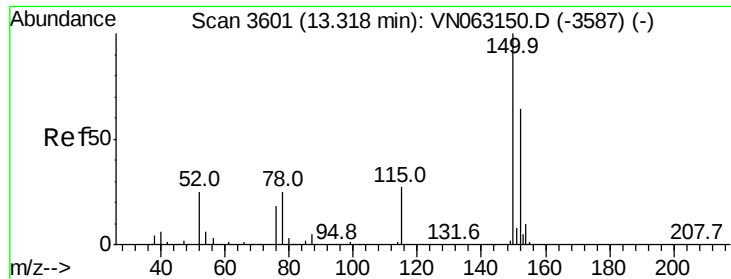
Tot Ion	95	Resp	225214
Ion Ratio	100	Lower	Upper
174	74.0	0.0	143.8
176	73.6	0.0	138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063262.D
Acq: 5 Sep 2020 2:25

Tgt Ion	117	Resp	505225
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
82	55.7	45.4	68.0
119	31.7	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063262.D

Acq: 5 Sep 2020 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBL02

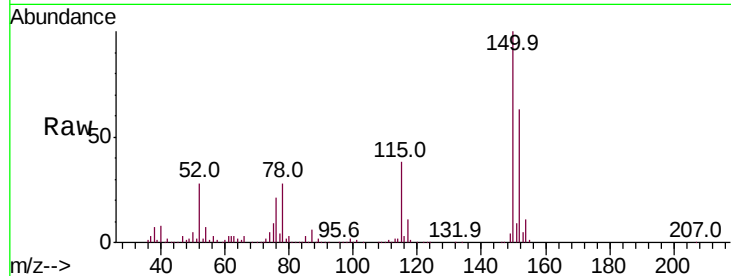
Tot Ion:152 Resp: 197399

Ion Ratio Lower Upper

152 100

115 60.6 32.0 96.2

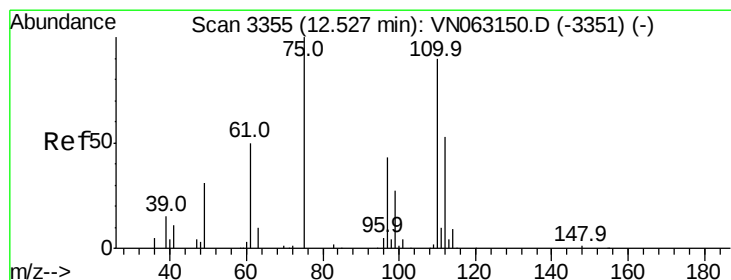
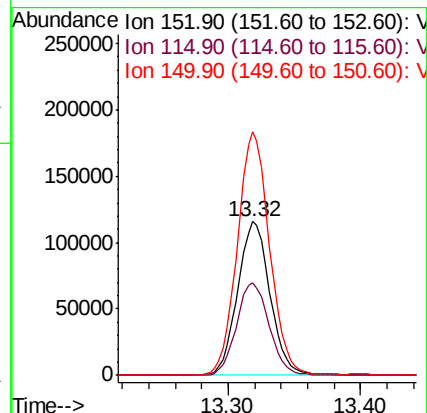
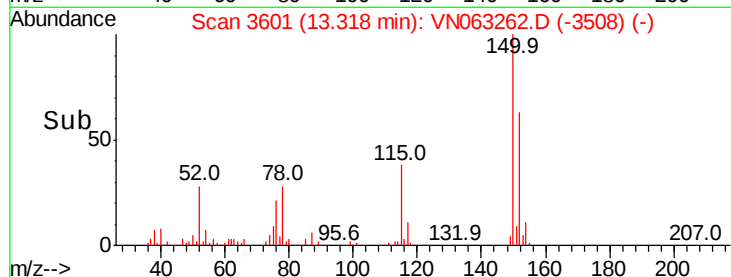
150 156.9 0.0 353.0



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: 33.334 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063262.D

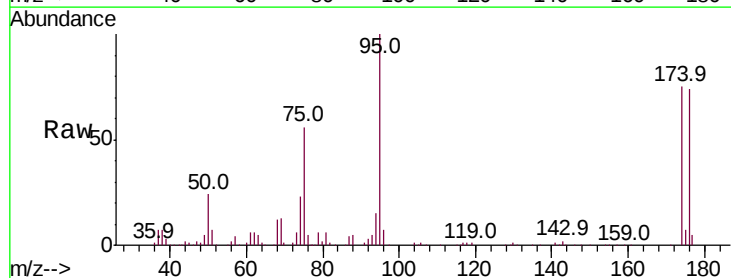
Acq: 5 Sep 2020 2:25

Tgt Ion: 75 Resp: 129284

Ion Ratio Lower Upper

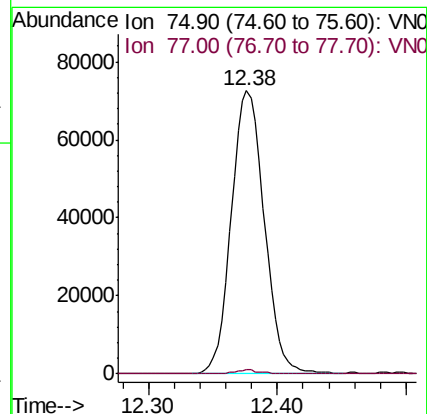
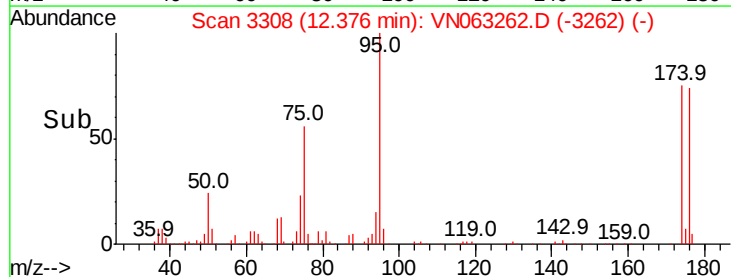
75 100

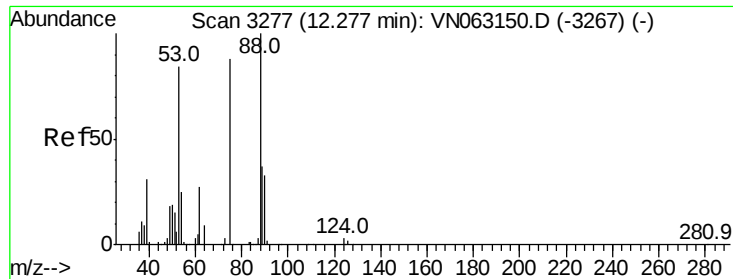
77 1.0 0.0 0.0#



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: 80.567 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063262.D

Acq: 5 Sep 2020 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBL02

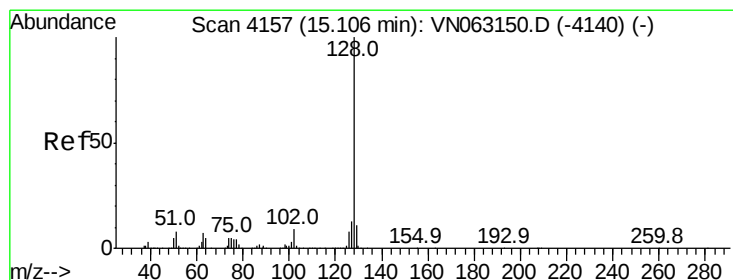
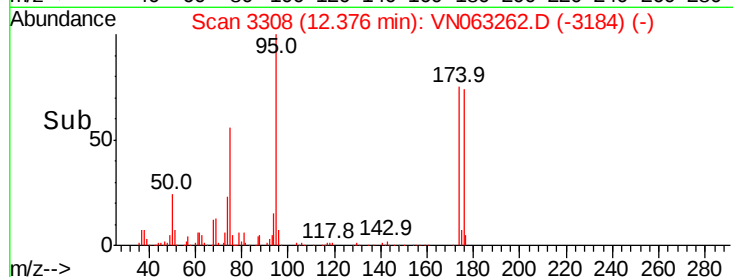
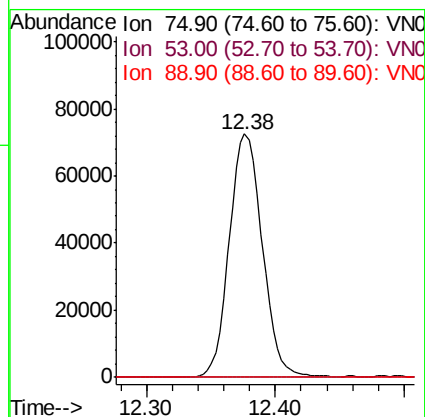
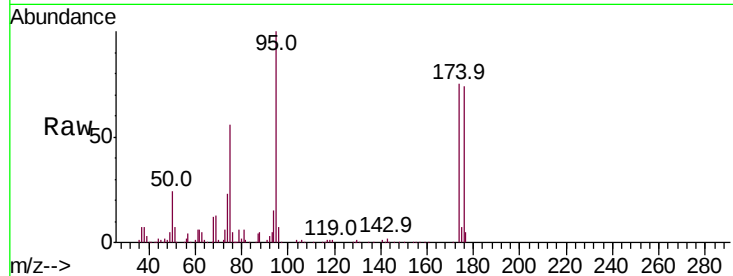
Tot Ion: 75 Resp: 129284

Ion Ratio Lower Upper

75 100

53 0.0 78.7 118.1#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 1.213 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.00 min

Lab File: VN063262.D

Acq: 5 Sep 2020 2:25

Tgt Ion: 128 Resp: 13804

Ion Ratio Lower Upper

128 100

127 14.8 10.5 15.7

129 10.9 8.6 13.0

