

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063197.D
 Acq On : 2 Sep 2020 15:53
 Operator : JC/MD
 Sample : L3889-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-798-800

Quant Time: Sep 03 01:01:25 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	327412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	637218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	627073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	244832	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	259612	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	7.55	113	200354	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.06	98	796285	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.38	95	280960	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

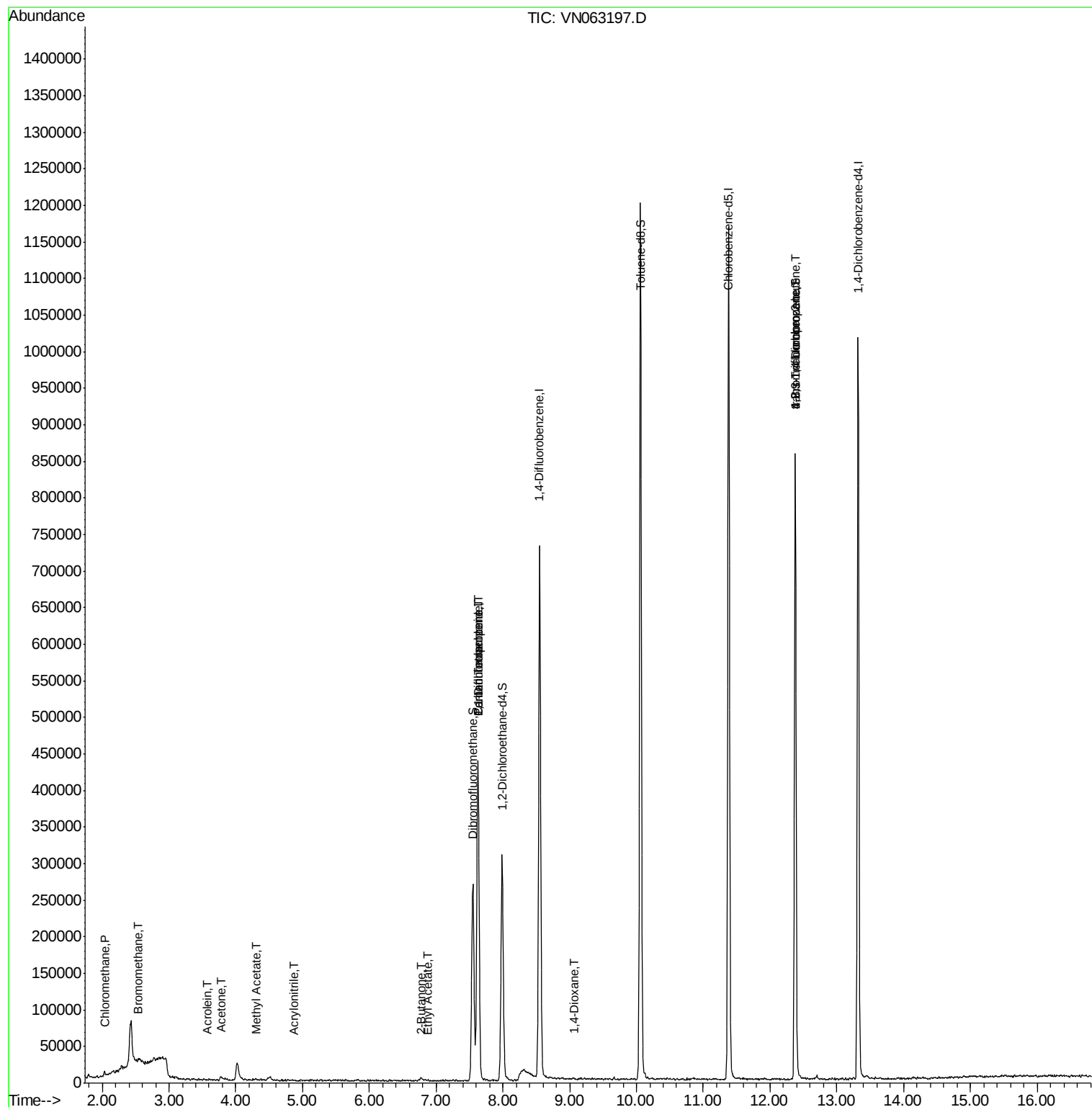
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	3962	0.844	ug/l #	80
5) Bromomethane	2.55	94	1980	0.454	ug/l #	54
7) Trichlorofluoromethane	2.97	101	31	Below Cal	#	2
13) Acrolein	3.57	56	165	16.387	ug/l #	35
15) Acrylonitrile	4.88	53	61	2.437	ug/l #	1
16) Acetone	3.78	43	7260	4.772	ug/l	93
18) Methyl Acetate	4.29	43	1144	0.293	ug/l #	86
25) 2-Butanone	6.79	43	577	0.245	ug/l #	86
31) Cyclohexane	7.63	56	9925	Below Cal	#	22
36) 1,1-Dichloropropene	7.62	75	30299	4.946	ug/l #	52
37) Ethyl Acetate	6.88	43	390	0.447	ug/l #	85
38) Carbon Tetrachloride	7.62	117	35924	5.783	ug/l #	16
49) 1,4-Dioxane	9.06	88	66	0.947	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	157459	32.733	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	157459	79.115	ug/l #	10

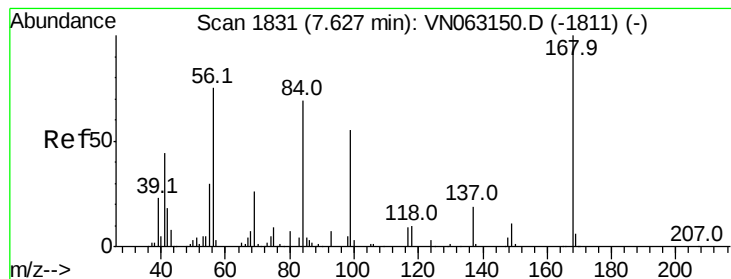
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

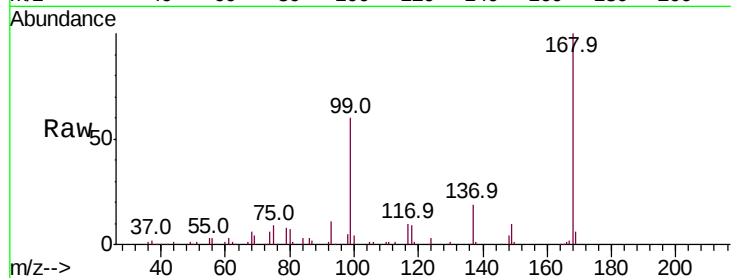
BP-VPB181-GW-798-800

Tot Ion:168 Resp: 327412

Ion Ratio Lower Upper

168 100

99 59.7 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063197.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063197.D (-1738) (-)

7.63

150000

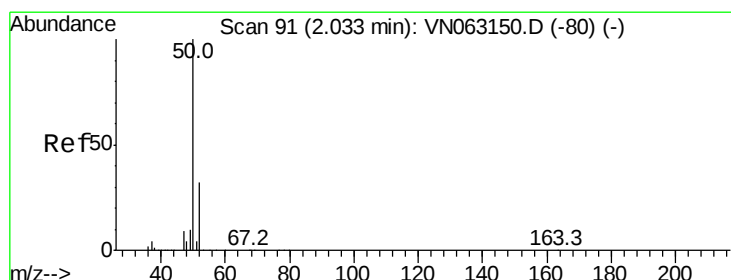
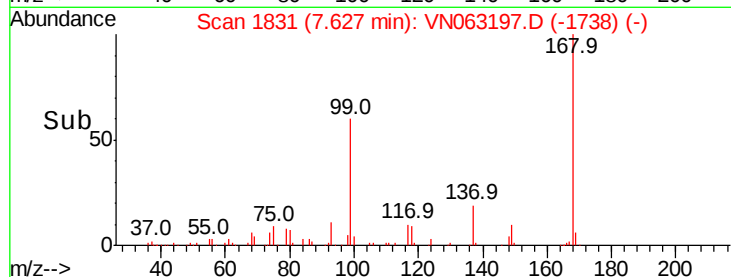
100000

50000

0

7.50 7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.844 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063197.D

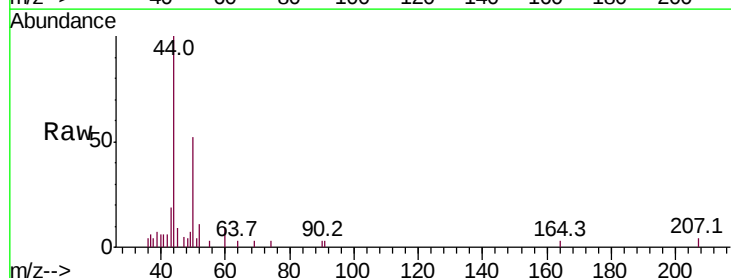
Acq: 2 Sep 2020 15:53

Tgt Ion: 50 Resp: 3962

Ion Ratio Lower Upper

50 100

52 21.2 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN063197.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063197.D (-1) (-)

2.04

3000

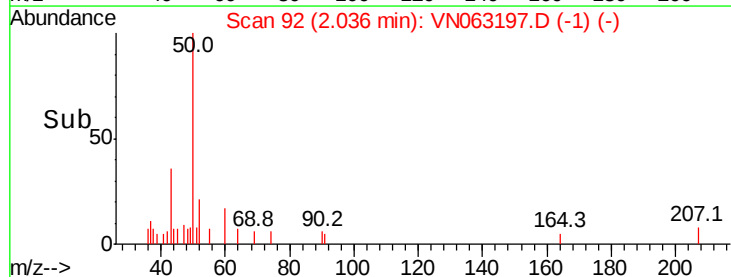
2000

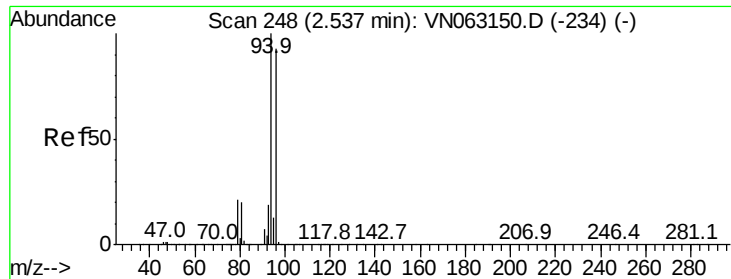
1000

0

2.00 2.05

Time-->





#5

Bromomethane

Concen: 0.454 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

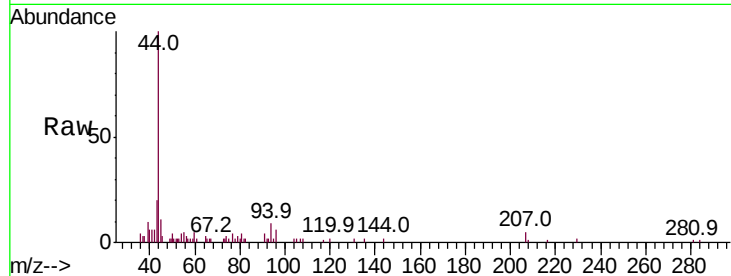
BP-VPB181-GW-798-800

Tot Ion: 94 Resp: 1980

Ion Ratio Lower Upper

94 100

96 49.0 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VN063150.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN063197.D (-251) (-)

2.55

1000

800

600

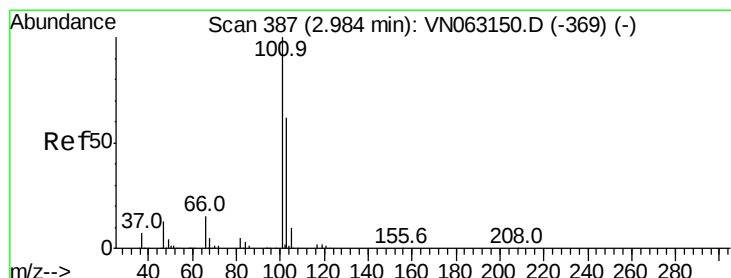
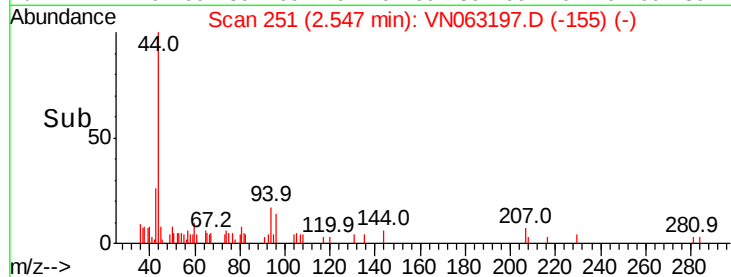
400

200

0

2.50 2.55 2.60

Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.97 min Scan# 382

Delta R.T. -0.02 min

Lab File: VN063197.D

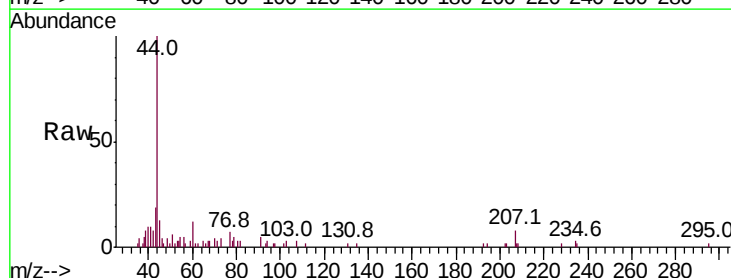
Acq: 2 Sep 2020 15:53

Tgt Ion: 101 Resp: 31

Ion Ratio Lower Upper

101 100

103 137.5 49.7 74.5#



Abundance Ion 100.90 (100.60 to 101.60): VN063150.D (-369) (-)

Ion 102.80 (102.50 to 103.50): VN063197.D (-382) (-)

2.97

250

200

150

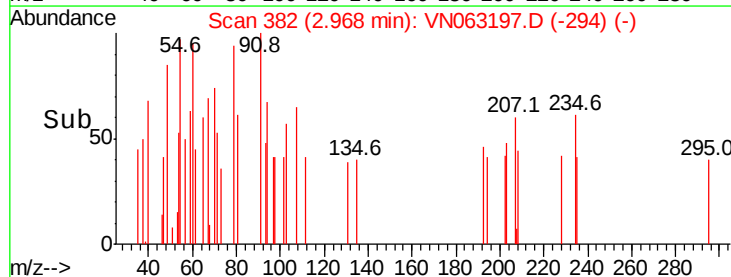
100

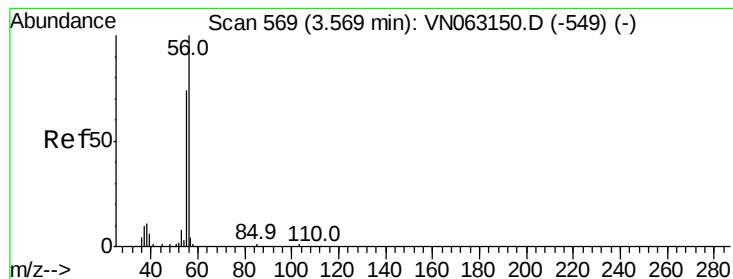
50

0

2.96 2.97 2.98

Time-->





#13

Acrolein

Concen: 16.387 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

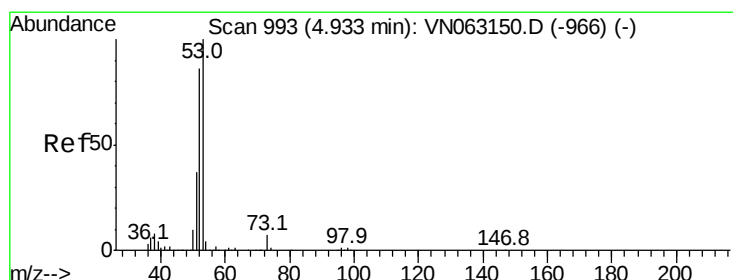
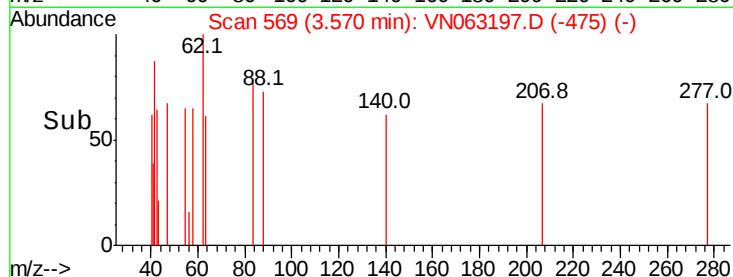
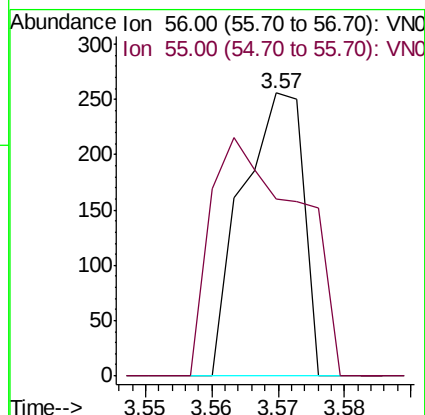
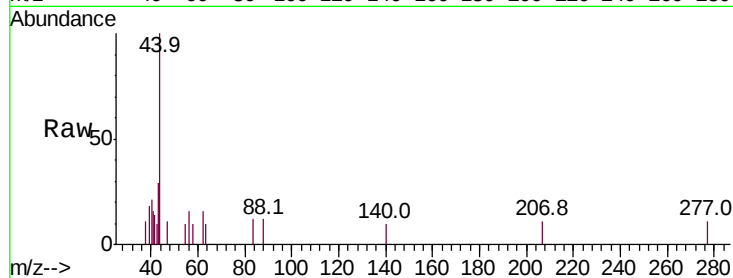
BP-VPB181-GW-798-800

Tot Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

55 121.8 55.4 83.0#



#15

Acrylonitrile

Concen: 2.437 ug/l

RT: 4.88 min Scan# 976

Delta R.T. -0.05 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

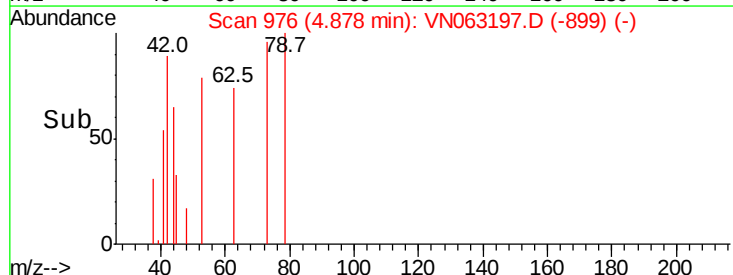
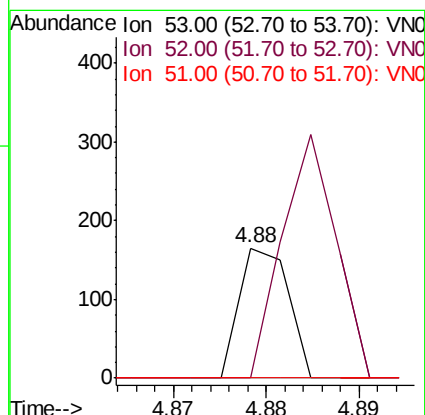
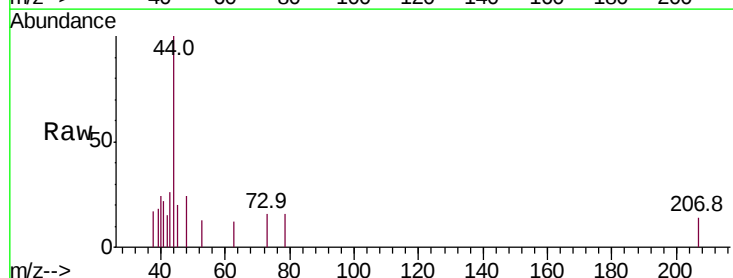
Tgt Ion: 53 Resp: 61

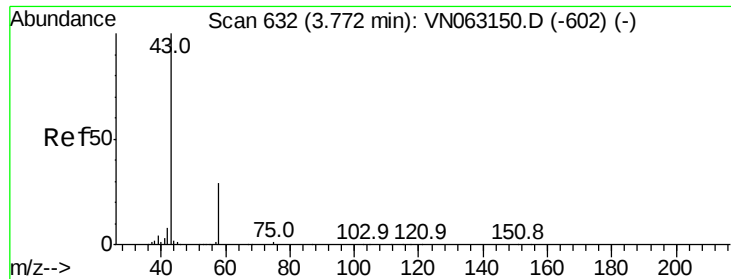
Ion Ratio Lower Upper

53 100

52 203.3 67.2 100.8#

51 0.0 30.2 45.4#





#16

Acetone

Concen: 4.772 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

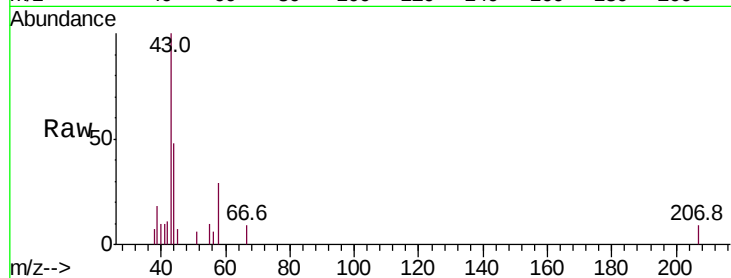
BP-VPB181-GW-798-800

Tot Ion: 43 Resp: 7260

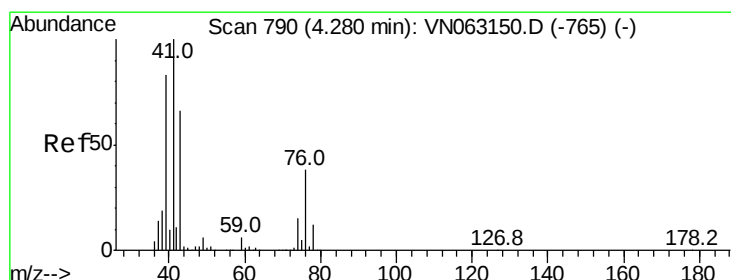
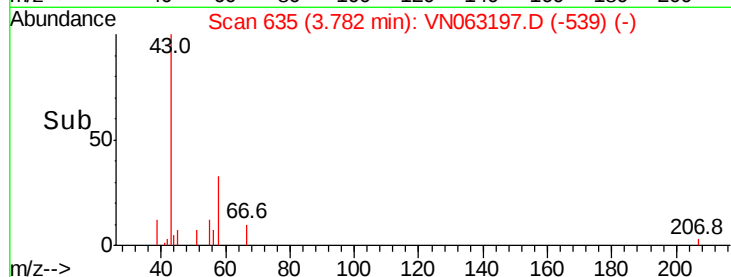
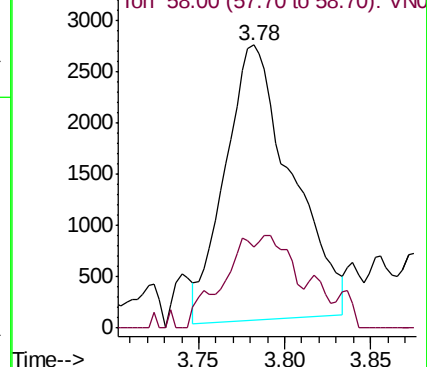
Ion Ratio Lower Upper

43 100

58 25.1 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN063197.D (-635) (-)



#18

Methyl Acetate

Concen: 0.293 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063197.D

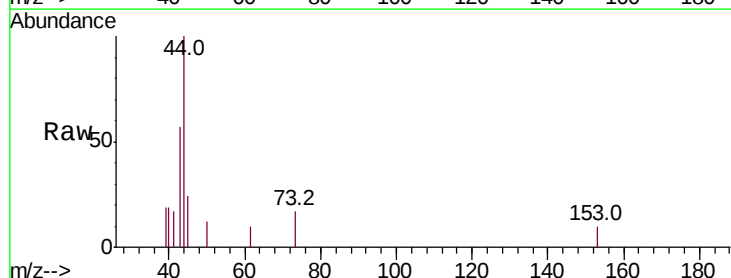
Acq: 2 Sep 2020 15:53

Tgt Ion: 43 Resp: 1144

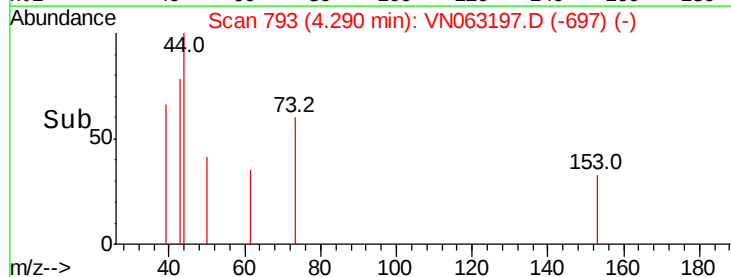
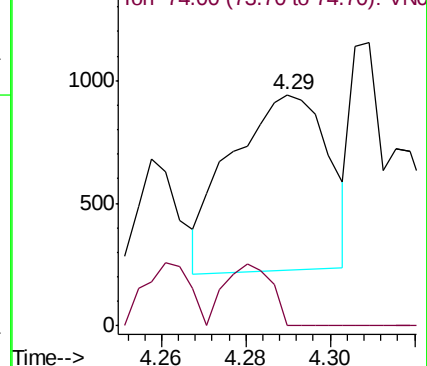
Ion Ratio Lower Upper

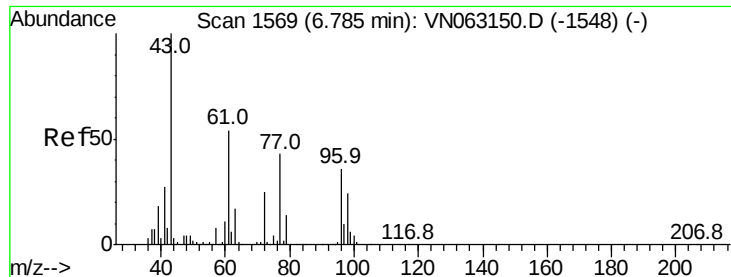
43 100

74 17.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063197.D (-793) (-)

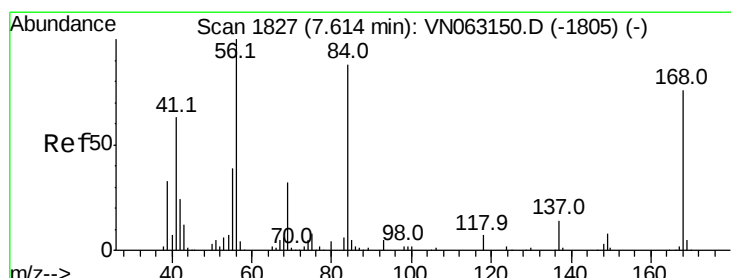
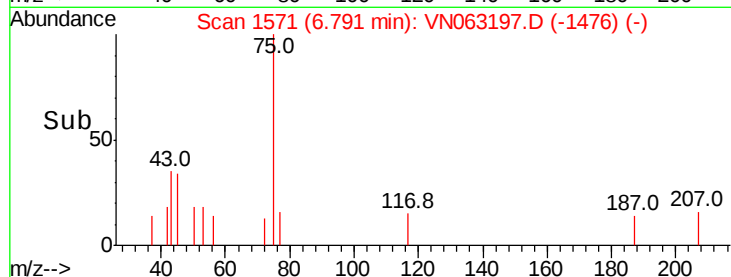
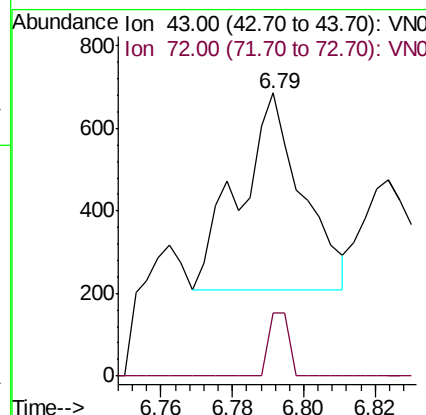
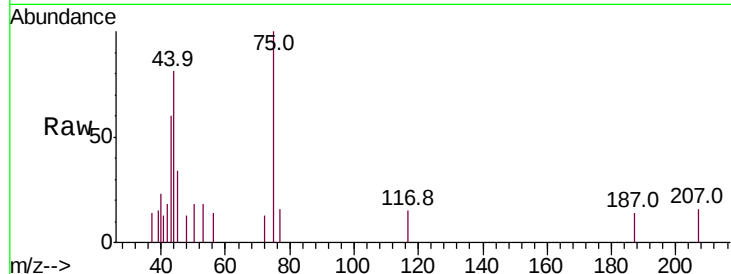




#25
2-Butanone
Concen: 0.245 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063197.D
Acq: 2 Sep 2020 15:53

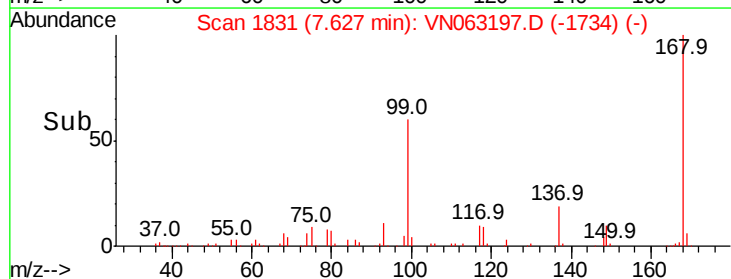
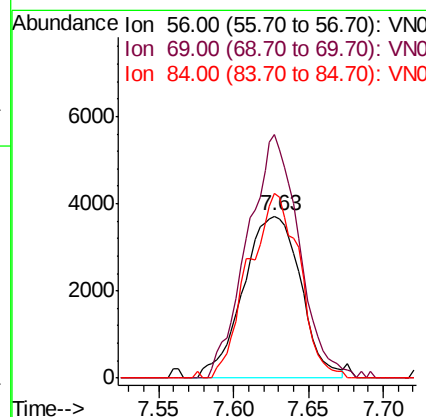
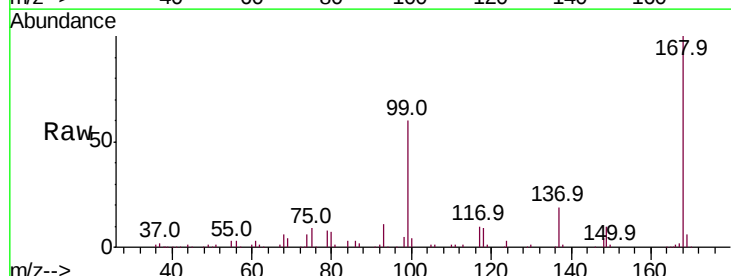
Instrument :
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BP-VPB181-GW-798-800

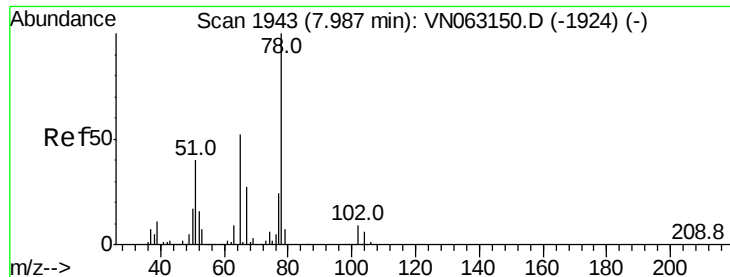
Tot Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
72 32.1 20.2 30.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063197.D
Acq: 2 Sep 2020 15:53

Tgt Ion: 56 Resp: 9925
Ion Ratio Lower Upper
56 100
69 150.5 25.4 38.0#
84 114.1 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 48.505 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

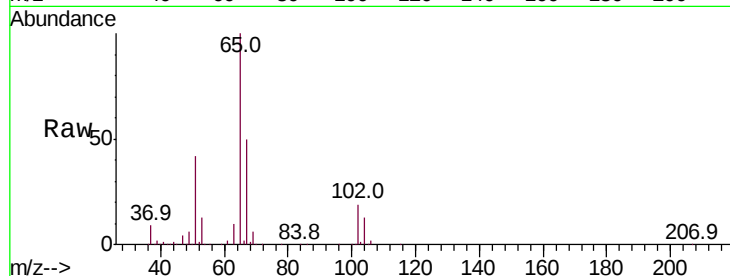
BP-VPB181-GW-798-800

Tot Ion: 65 Resp: 259612

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063197.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063197.D (-1850) (-)

7.99

120000

100000

80000

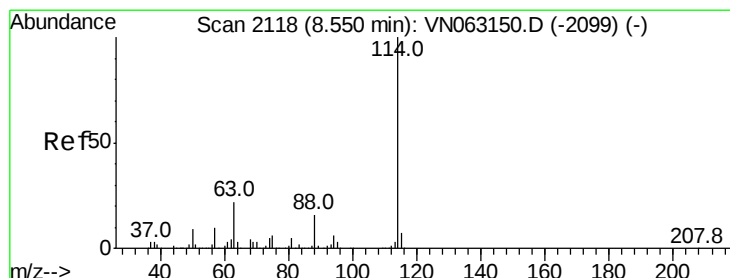
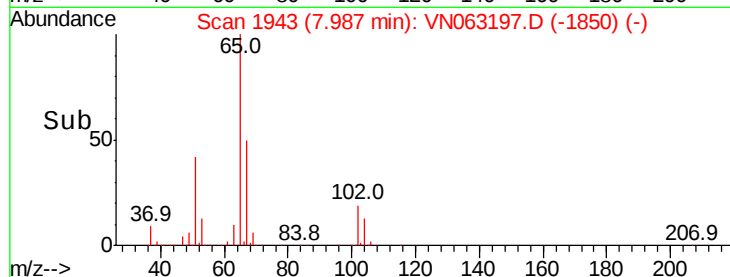
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

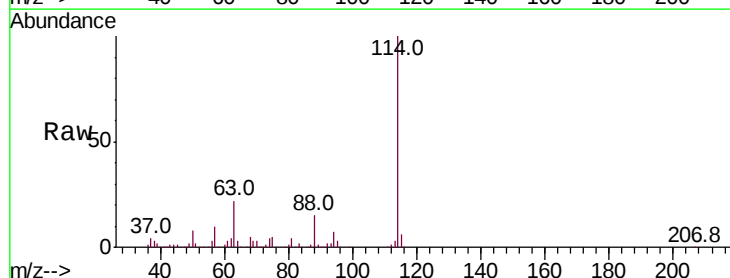
Tgt Ion: 114 Resp: 637218

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.0

88 14.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN063197.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063197.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063197.D (-2025) (-)

8.55

400000

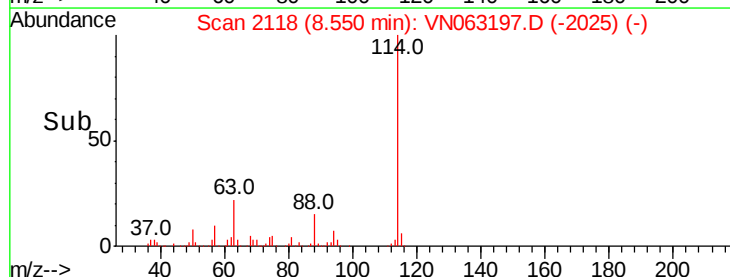
300000

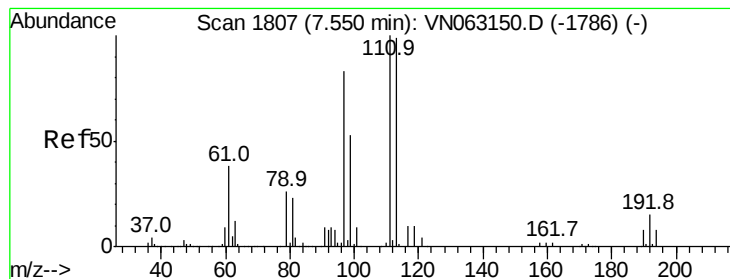
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.009 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-798-800

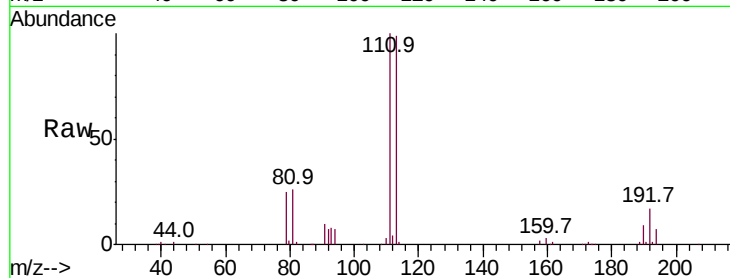
Tot Ion:113 Resp: 200354

Ion Ratio Lower Upper

113 100

111 102.0 80.7 121.1

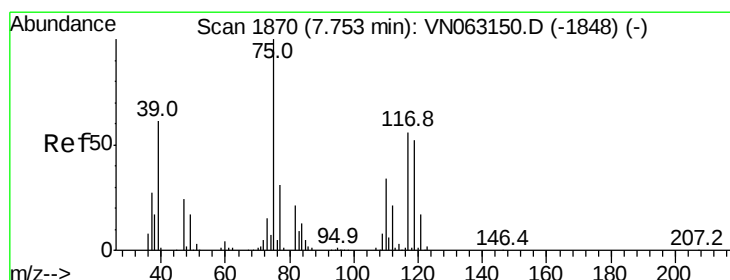
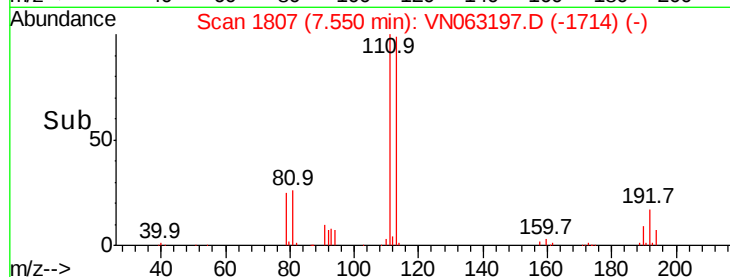
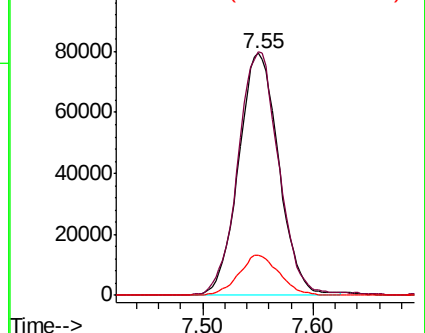
192 16.8 12.6 19.0



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: 4.946 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

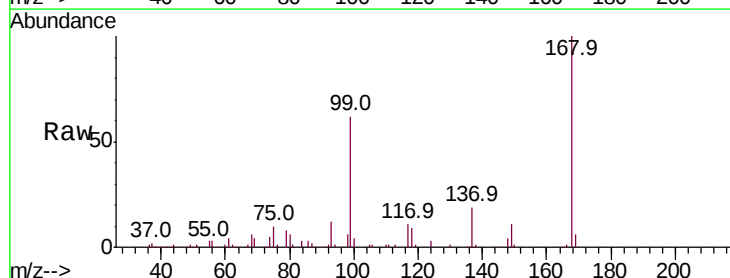
Tgt Ion: 75 Resp: 30299

Ion Ratio Lower Upper

75 100

110 10.6 16.6 49.8#

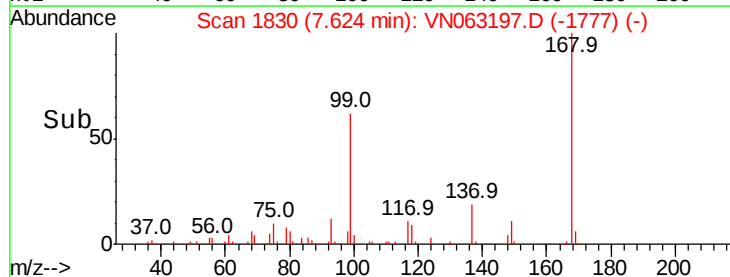
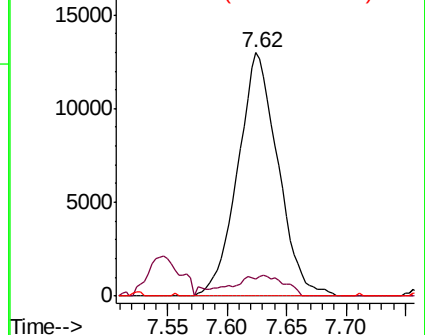
77 0.0 25.4 38.2#

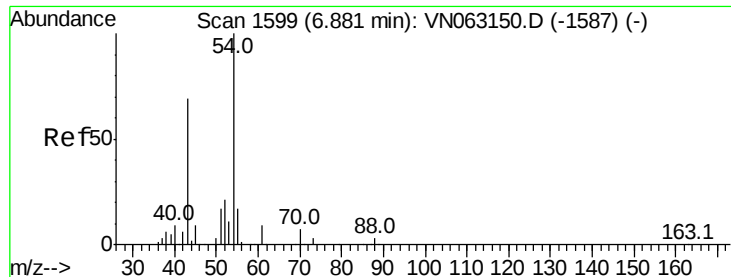


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

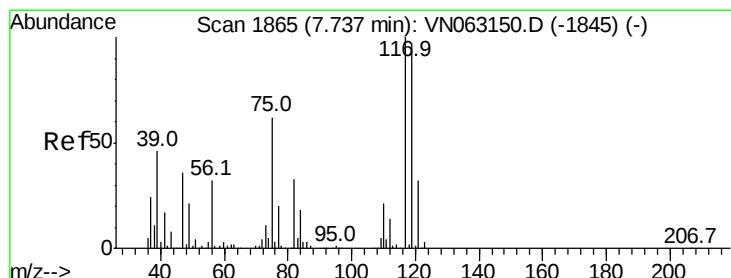
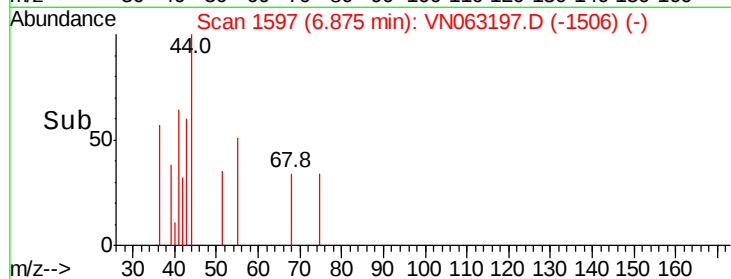
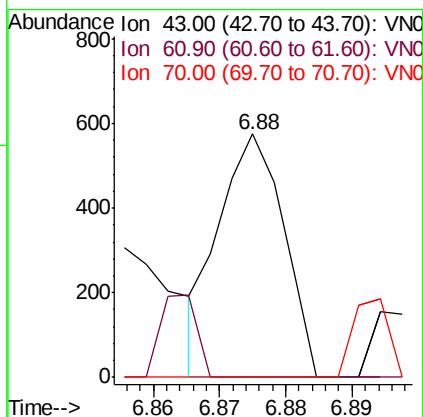
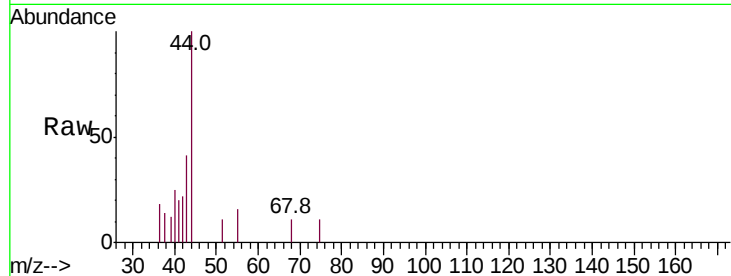




#37
Ethyl Acetate
Concen: 0.447 ug/l
RT: 6.88 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN063197.D
Acq: 2 Sep 2020 15:53

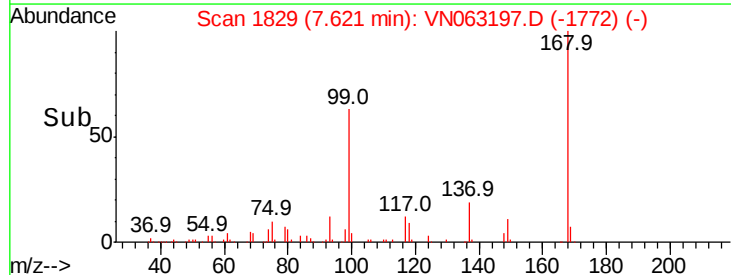
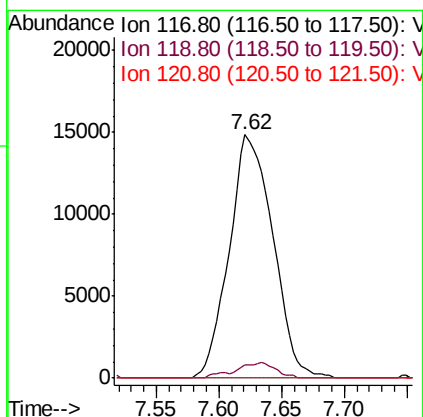
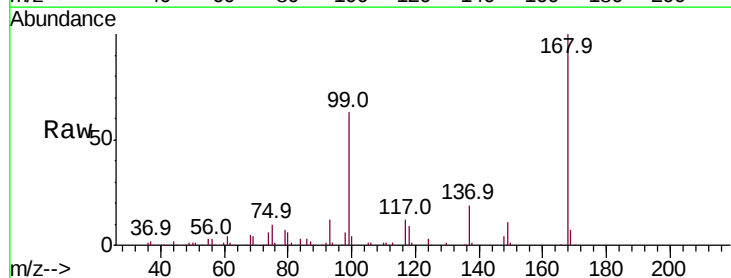
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-798-800

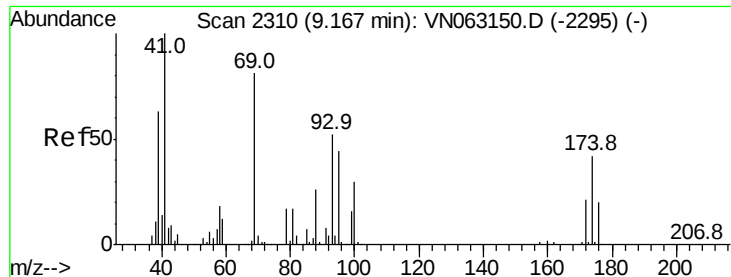
Tot Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
61 19.2 10.2 15.4#
70 0.0 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 5.783 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.12 min
Lab File: VN063197.D
Acq: 2 Sep 2020 15:53

Tgt Ion: 117 Resp: 35924
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 0.947 ug/l

RT: 9.06 min Scan# 2277

Delta R.T. -0.11 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-798-800

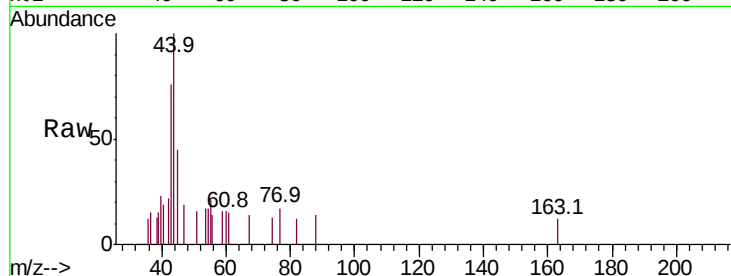
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 887.9 28.6 42.8#

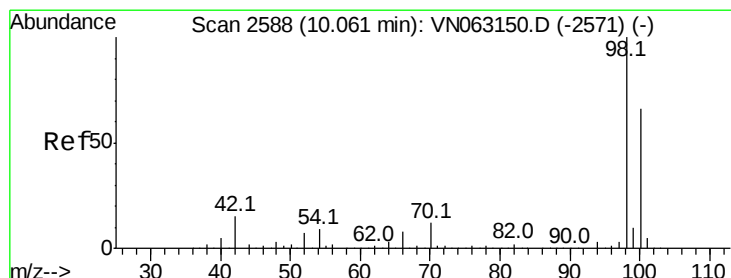
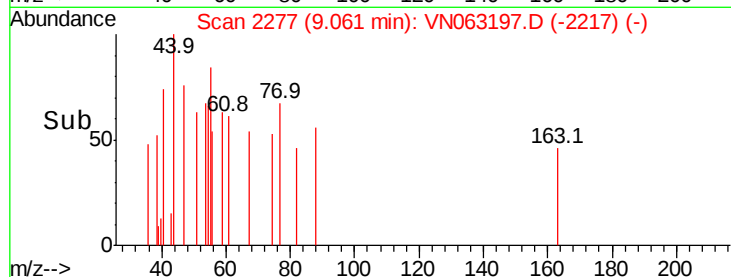
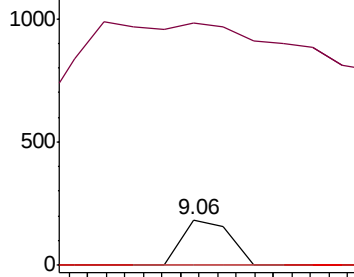
58 0.0 53.2 79.8#



Abundance Ion 88.00 (87.70 to 88.70): VN063197.D (-2277) (-)

Ion 43.00 (42.70 to 43.70): VN063197.D (-2277) (-)

Ion 58.00 (57.70 to 58.70): VN063197.D (-2277) (-)



#50

Toluene-d8

Concen: 50.606 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063197.D

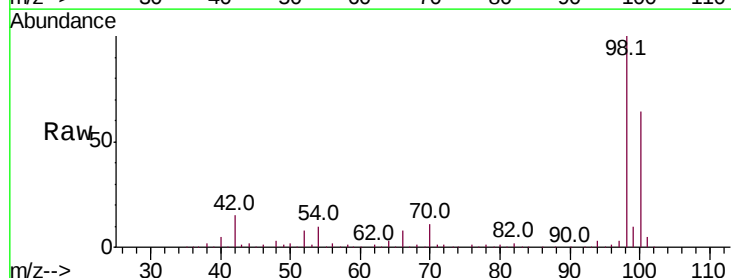
Acq: 2 Sep 2020 15:53

Tgt Ion: 98 Resp: 796285

Ion Ratio Lower Upper

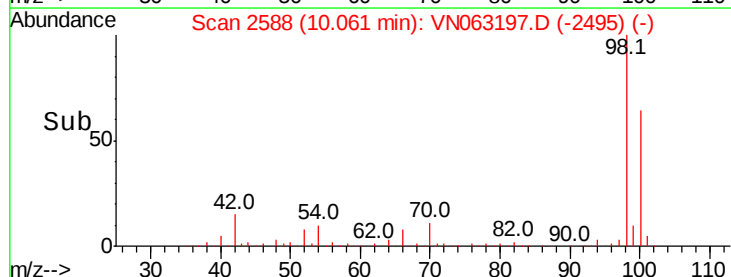
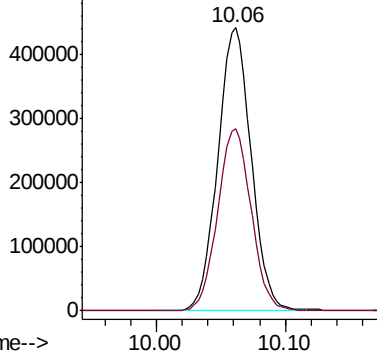
98 100

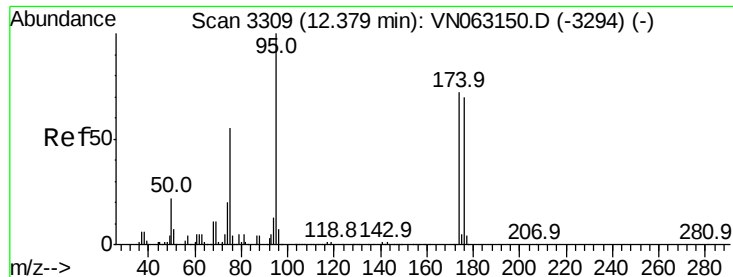
100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN063197.D (-2495) (-)

Ion 100.00 (99.70 to 100.70): VN063197.D (-2495) (-)

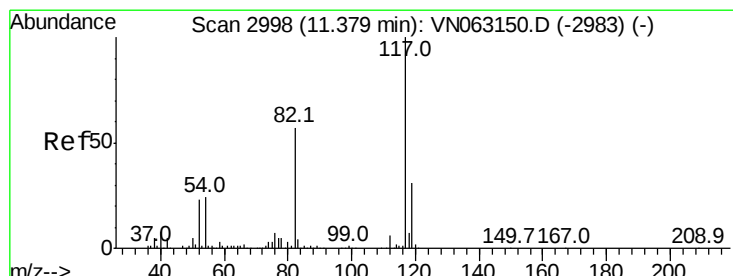
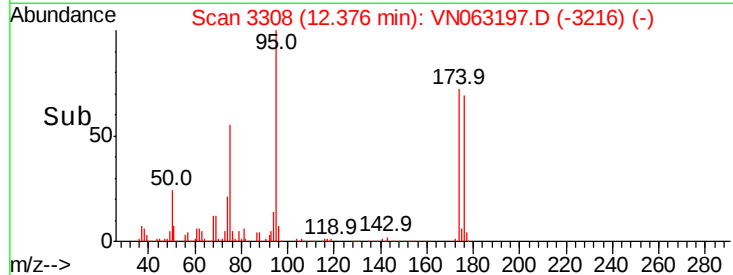
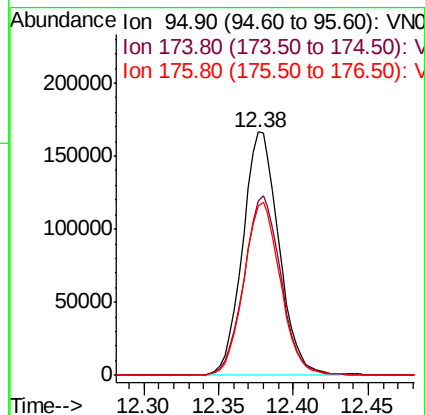
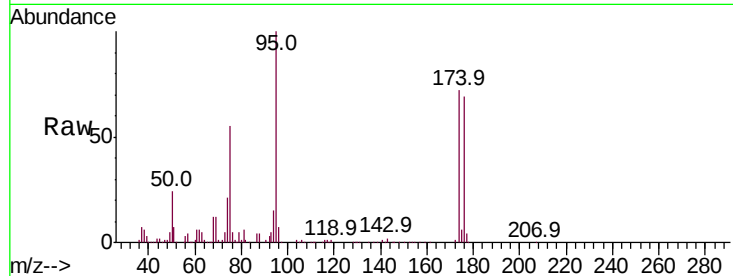




#62
4-Bromofluorobenzene
Concen: 51.045 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063197.D
Acq: 2 Sep 2020 15:53

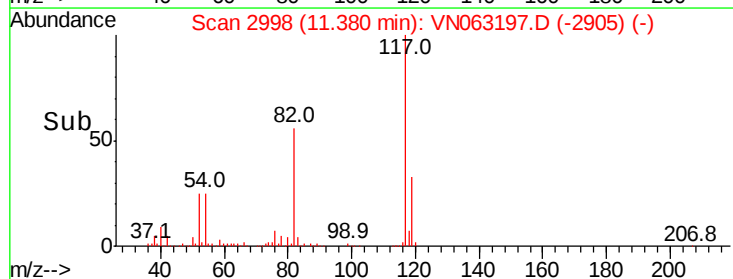
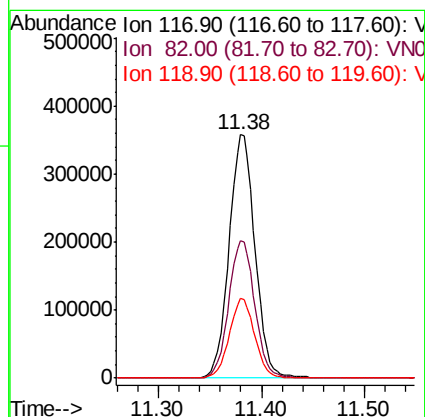
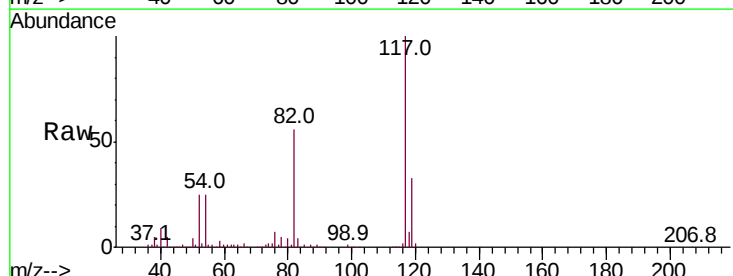
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-798-800

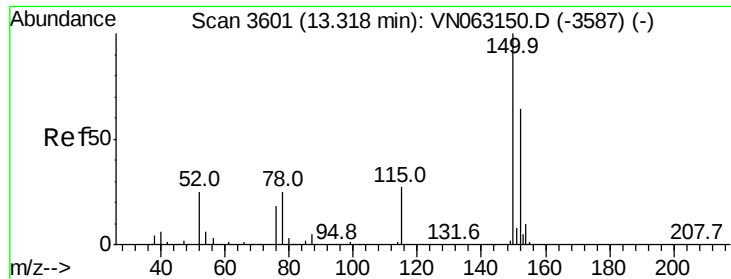
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	143.8
176	71.9	0.0	138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063197.D
Acq: 2 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.4	68.0
119	32.6	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: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-798-800

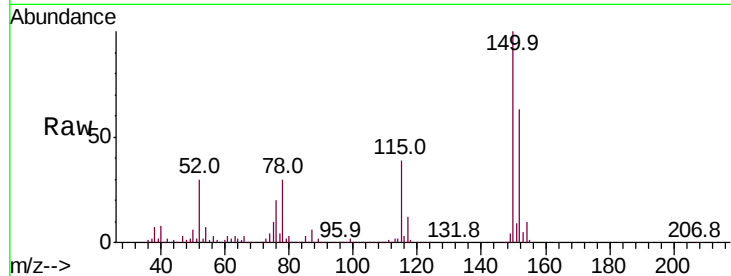
Tot Ion:152 Resp: 244832

Ion Ratio Lower Upper

152 100

115 63.2 32.0 96.2

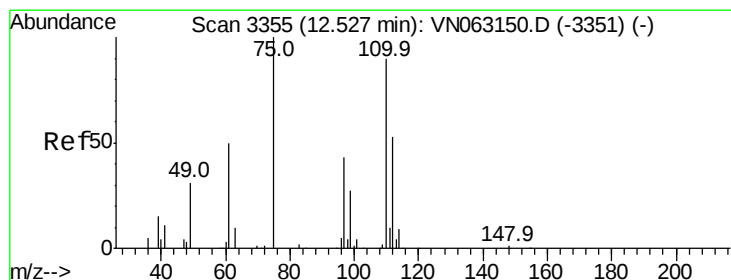
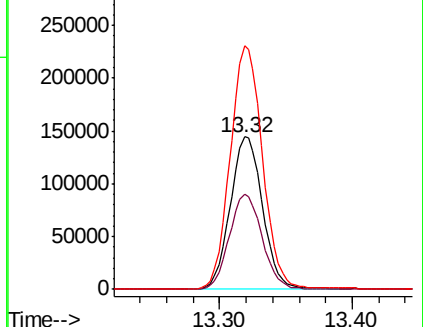
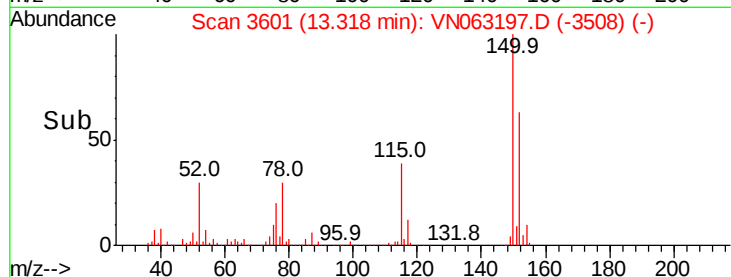
150 159.2 0.0 353.0



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: 32.733 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063197.D

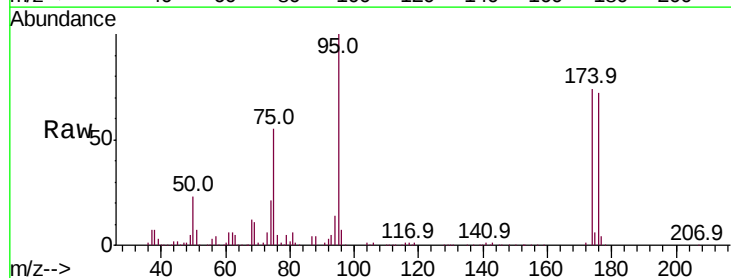
Acq: 2 Sep 2020 15:53

Tgt Ion: 75 Resp: 157459

Ion Ratio Lower Upper

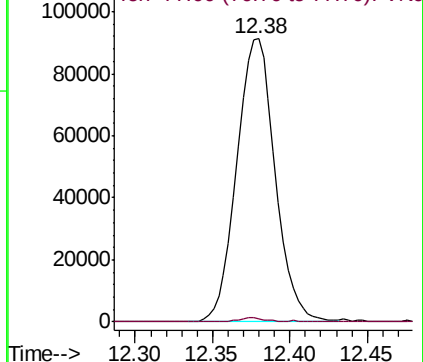
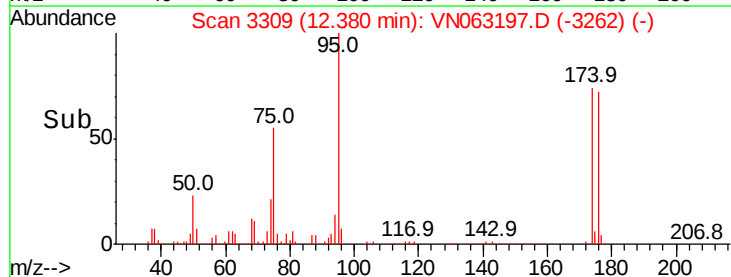
75 100

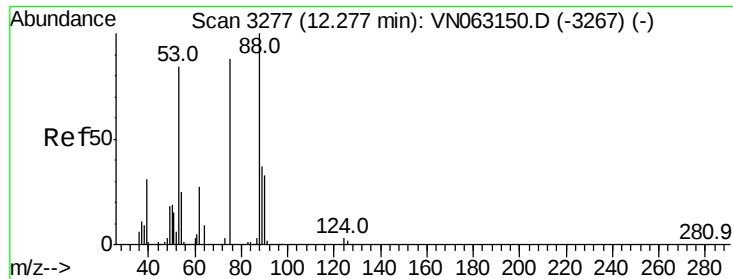
77 1.2 0.0 0.0#



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: 79.115 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063197.D

Acq: 2 Sep 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-798-800

Tot Ion: 75 Resp: 157459

Ion Ratio Lower Upper

75 100

53 0.0 78.7 118.1#

89 0.0 35.3 52.9#

