

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063198.D
 Acq On : 2 Sep 2020 16:17
 Operator : JC/MD
 Sample : L3889-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-DUP-20200831

Quant Time: Sep 03 01:01:42 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

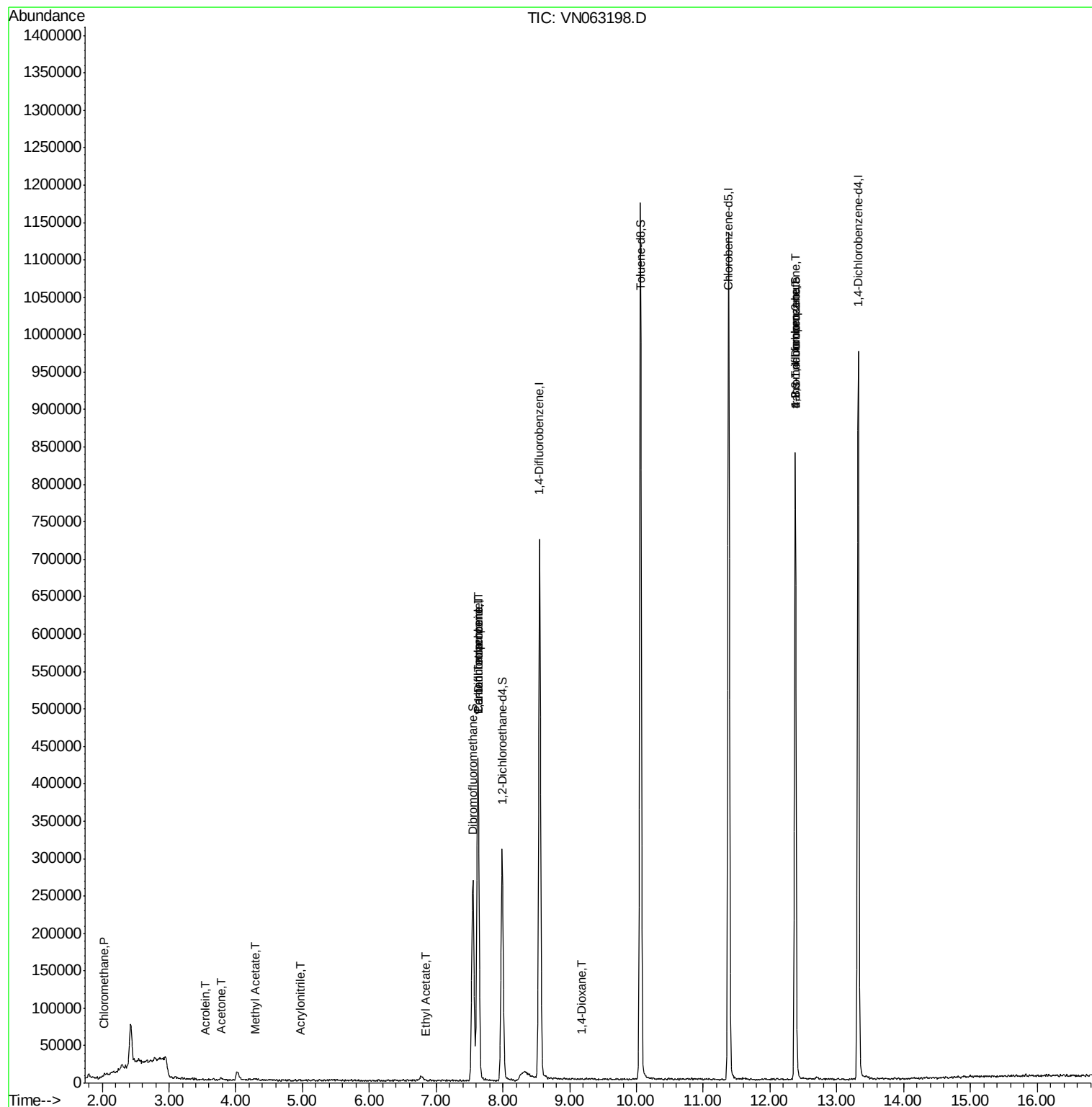
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	319730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	624581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	614279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	237276	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	255950	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
35) Dibromofluoromethane	7.55	113	195447	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
50) Toluene-d8	10.06	98	779840	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.38	95	272969	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	2240	0.489	ug/l #	77
7) Trichlorofluoromethane	2.98	101	63	Below Cal	#	19
13) Acrolein	3.56	56	29	15.880	ug/l #	15
15) Acrylonitrile	4.97	53	66	2.440	ug/l #	1
16) Acetone	3.79	43	2496	1.680	ug/l #	53
18) Methyl Acetate	4.29	43	2612	0.686	ug/l #	57
20) Methylene Chloride	4.50	84	526	Below Cal	#	59
31) Cyclohexane	7.62	56	9847	Below Cal	#	45
36) 1,1-Dichloropropene	7.62	75	28628	4.768	ug/l #	53
37) Ethyl Acetate	6.85	43	319	0.436	ug/l #	50
38) Carbon Tetrachloride	7.63	117	34045	5.591	ug/l #	15
49) 1,4-Dioxane	9.17	88	157	2.299	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	158791	34.061	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	158791	82.325	ug/l #	10

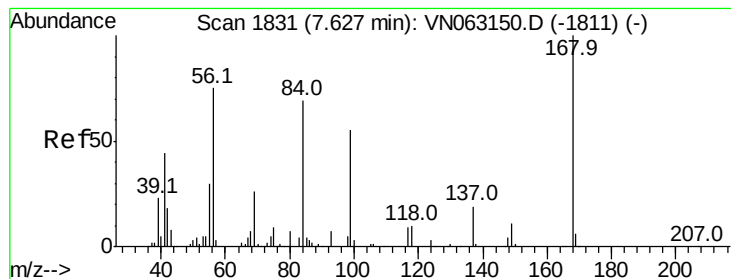
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063198.D

Acq: 2 Sep 2020 16:17

Instrument :

MSVOA_N

ClientSampleId :

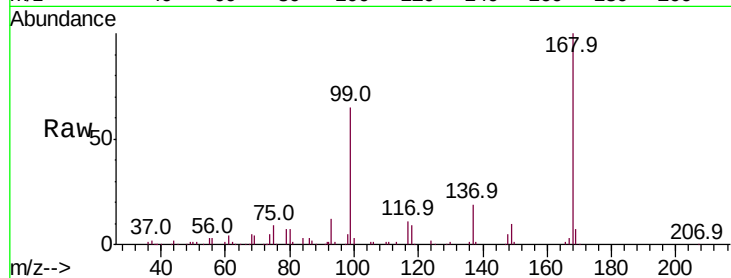
BP-VPB181-DUP-20200831

Tot Ion:168 Resp: 319730

Ion Ratio Lower Upper

168 100

99 65.0 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

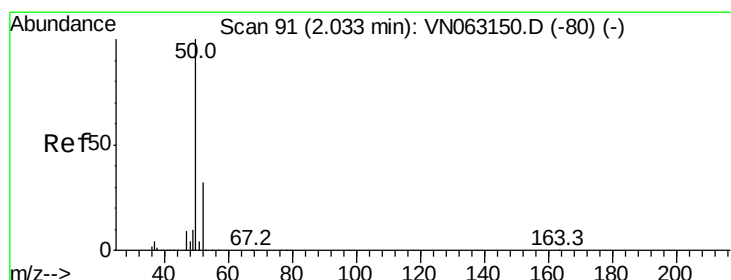
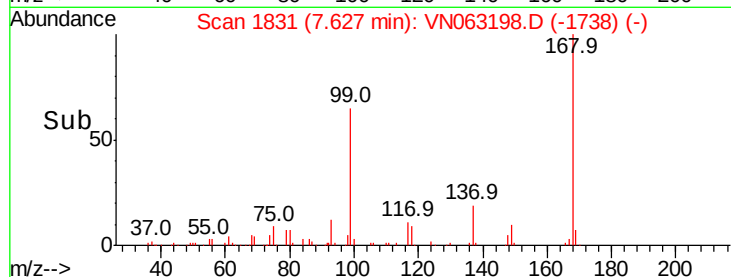
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.489 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063198.D

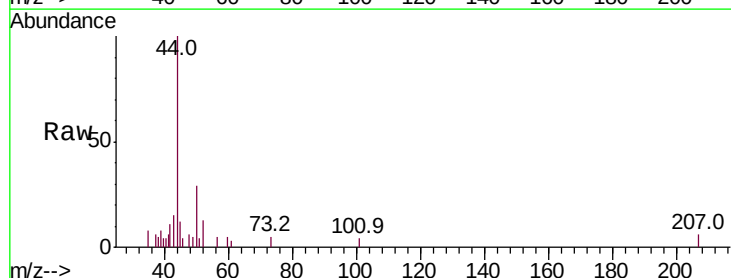
Acq: 2 Sep 2020 16:17

Tgt Ion: 50 Resp: 2240

Ion Ratio Lower Upper

50 100

52 45.1 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

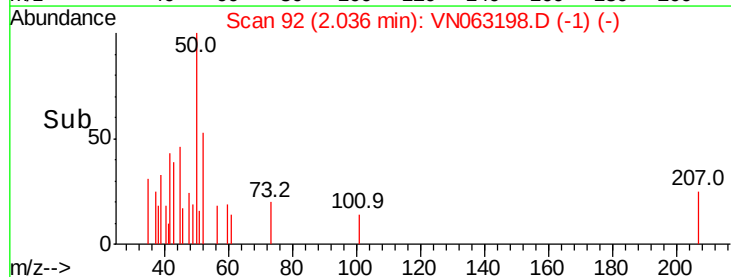
1500

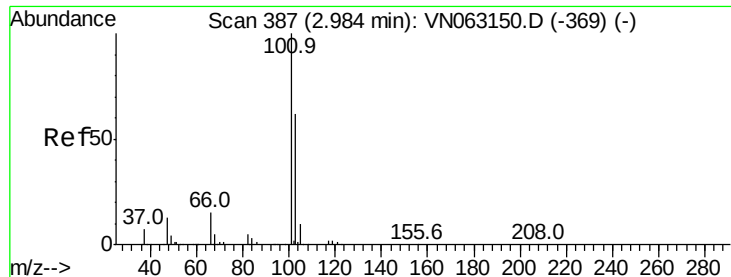
1000

500

0

Time--> 2.00 2.05



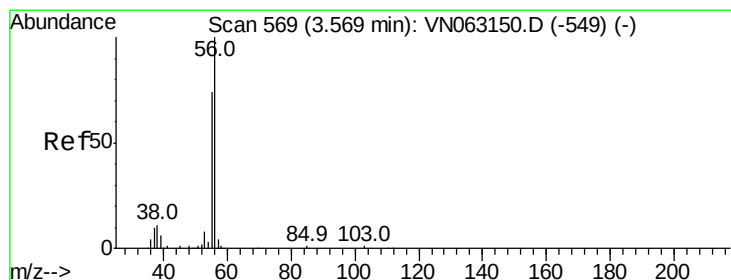
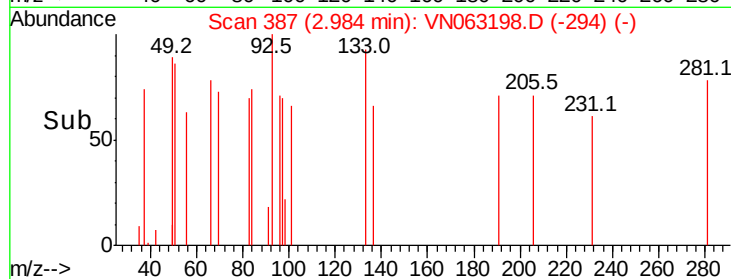
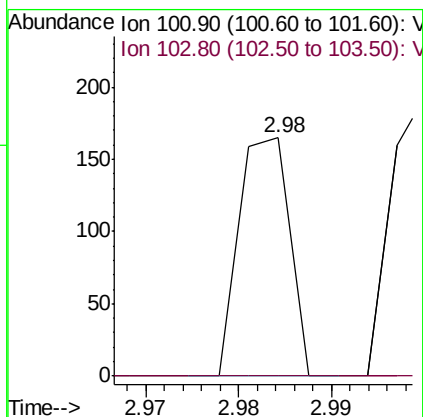
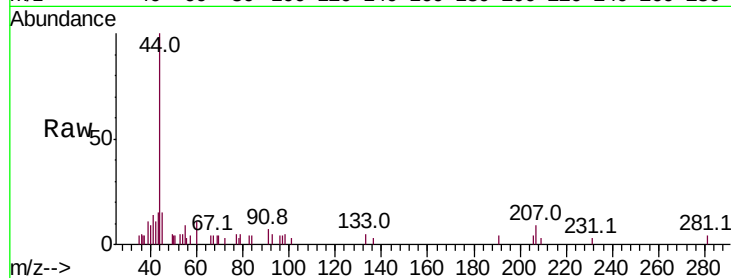


#7

Trichlorofluoromethane
 Concen: Below Cal
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063198.D
 Acq: 2 Sep 2020 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-DUP-20200831

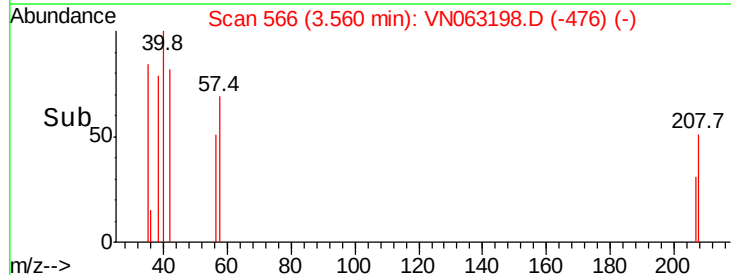
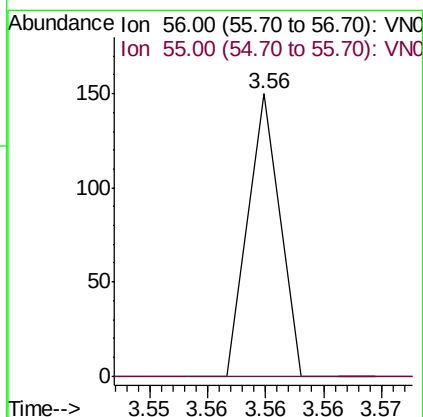
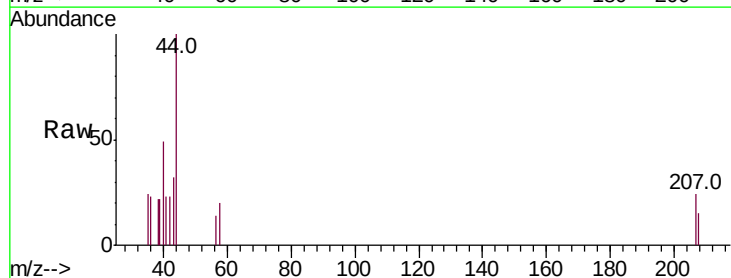
Tot Ion:101 Resp: 63
 Ion Ratio Lower Upper
 101 100
 103 0.0 49.7 74.5#

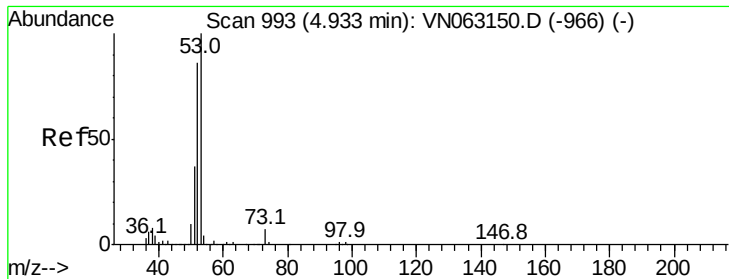


#13

Acrolein
 Concen: 15.880 ug/l
 RT: 3.56 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VN063198.D
 Acq: 2 Sep 2020 16:17

Tgt Ion: 56 Resp: 29
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.4 83.0#





#15

Acrylonitrile

Concen: 2.440 ug/l

RT: 4.97 min Scan# 1006

Delta R.T. 0.04 min

Lab File: VN063198.D

Acq: 2 Sep 2020 16:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-DUP-20200831

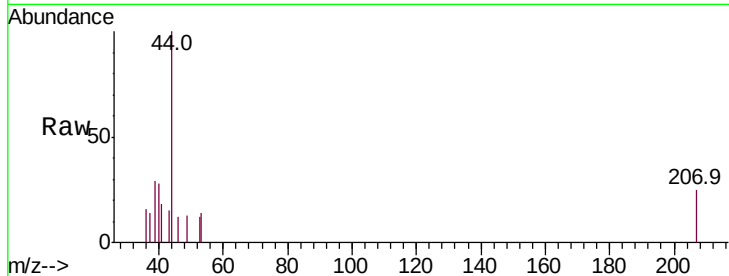
Tot Ion: 53 Resp: 66

Ion Ratio Lower Upper

53 100

52 437.9 67.2 100.8#

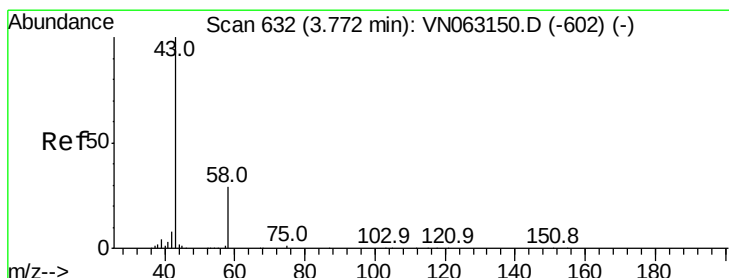
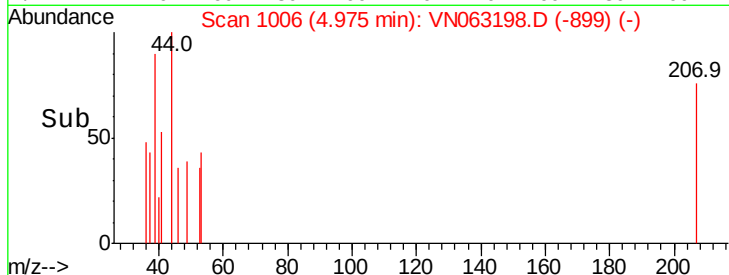
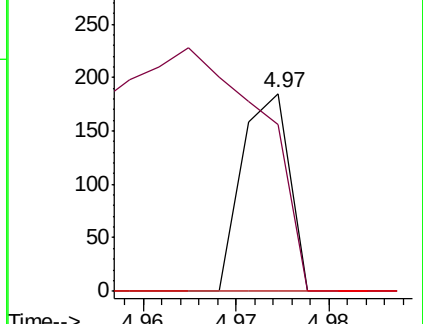
51 0.0 30.2 45.4#



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



#16

Acetone

Concen: 1.680 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN063198.D

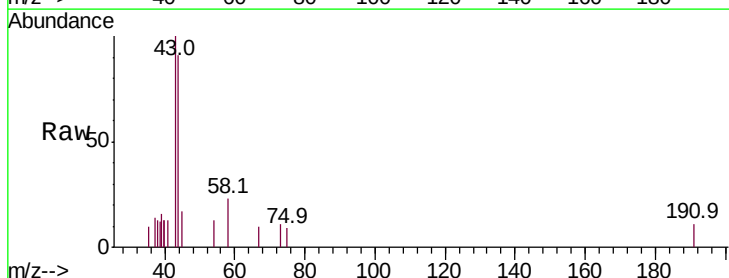
Acq: 2 Sep 2020 16:17

Tgt Ion: 43 Resp: 2496

Ion Ratio Lower Upper

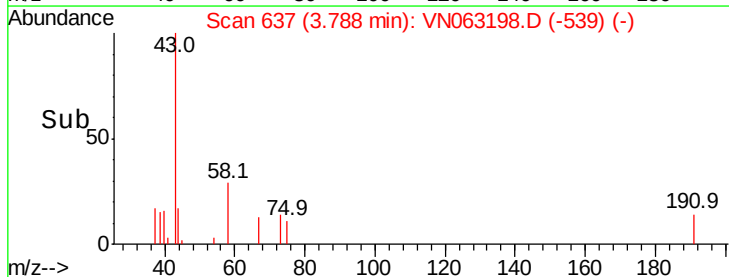
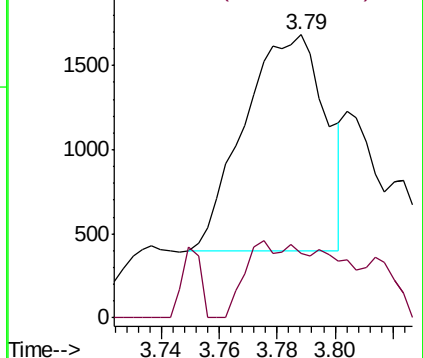
43 100

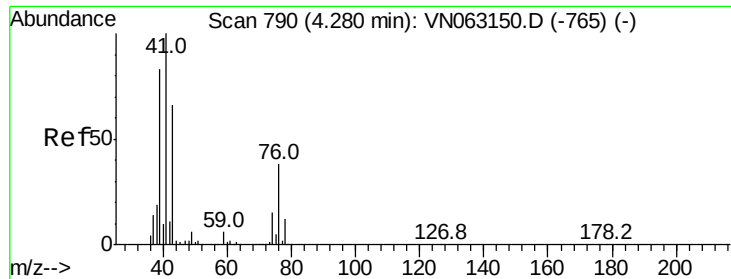
58 3.7 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

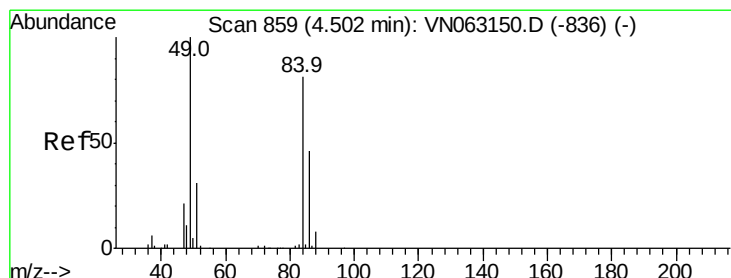
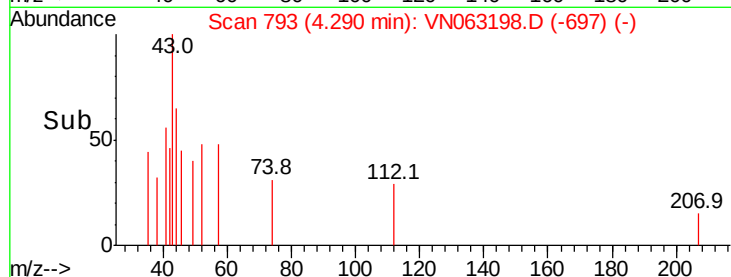
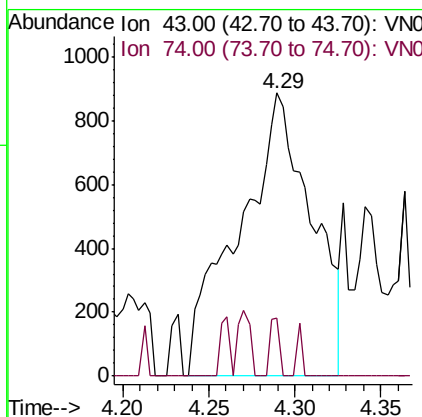
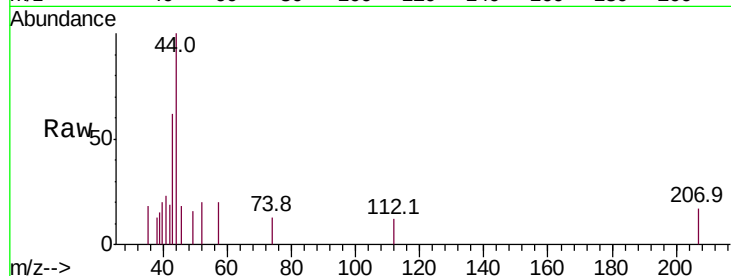




#18
Methyl Acetate
Concen: 0.686 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063198.D
Acq: 2 Sep 2020 16:17

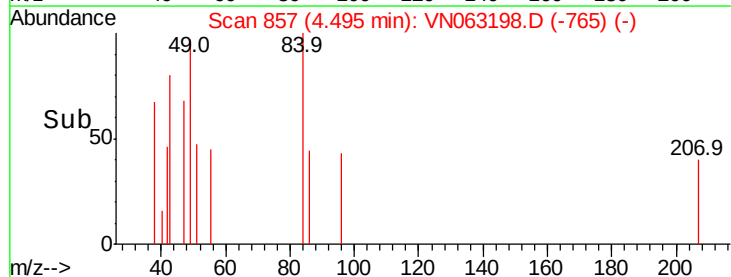
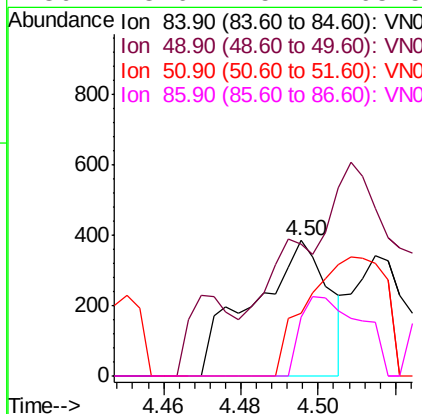
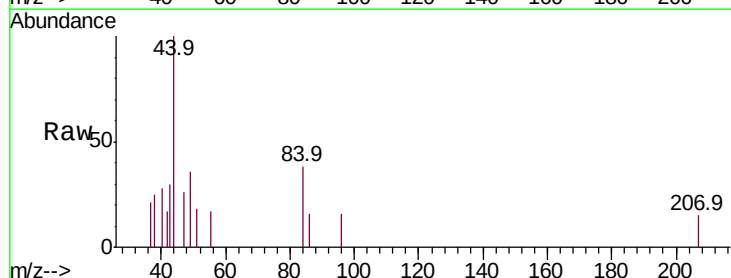
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-DUP-20200831

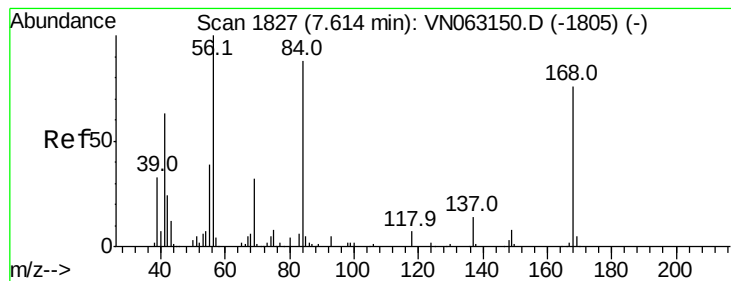
Tot Ion: 43 Resp: 2612
Ion Ratio Lower Upper
43 100
74 2.6 19.0 28.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063198.D
Acq: 2 Sep 2020 16:17

Tgt Ion: 84 Resp: 526
Ion Ratio Lower Upper
84 100
49 54.8 98.4 147.6#
51 46.8 30.4 45.6#
86 43.6 45.7 68.5#





#31

Cyclohexane

Concen: Below Cal

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

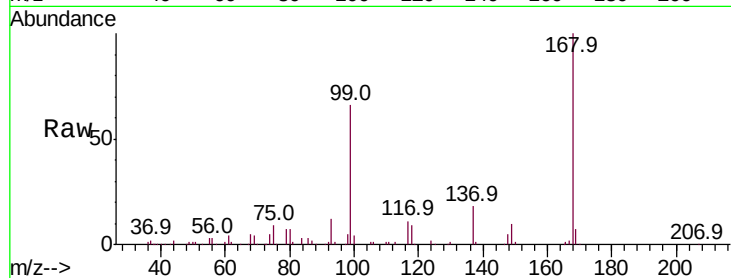
Lab File: VN063198.D

Acq: 2 Sep 2020 16:17

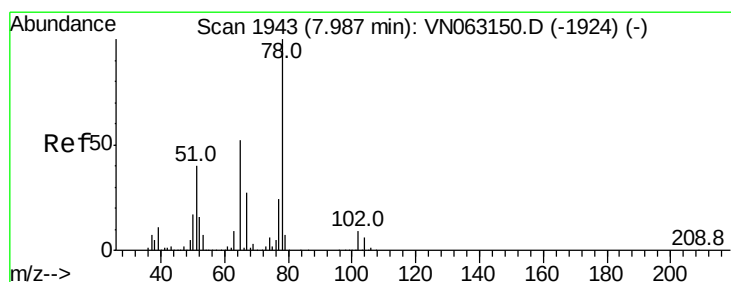
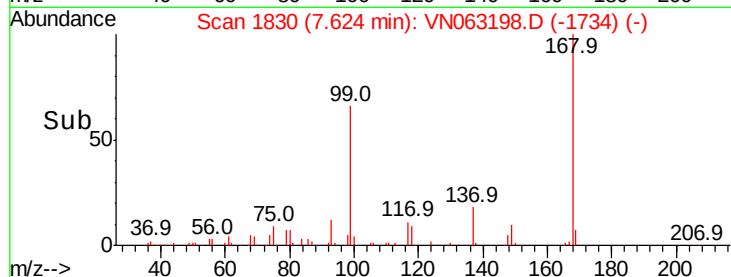
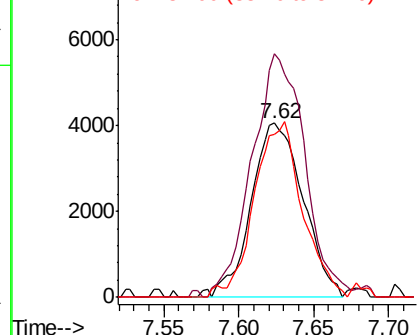
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-DUP-20200831

Tot Ion: 56 Resp: 9847

Ion	Ratio	Lower	Upper
56	100		
69	135.8	25.4	38.0#
84	93.8	70.2	105.4



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



#33

1,2-Dichloroethane-d4

Concen: 48.970 ug/l

RT: 7.99 min Scan# 1943

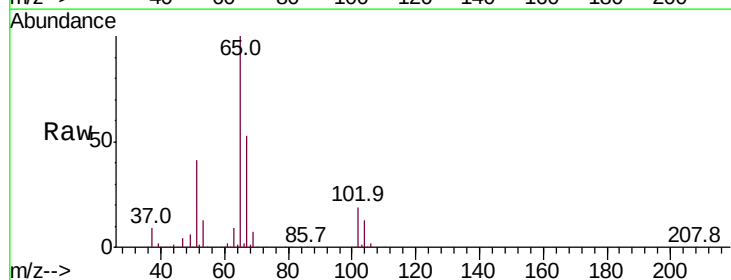
Delta R.T. 0.00 min

Lab File: VN063198.D

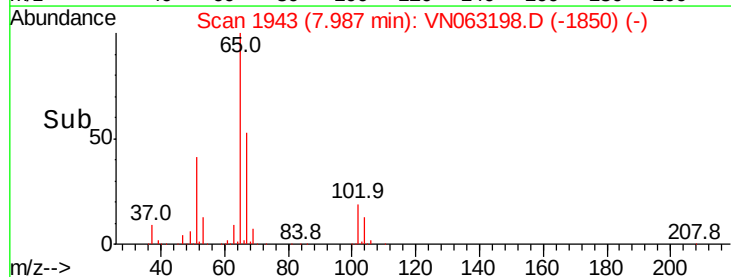
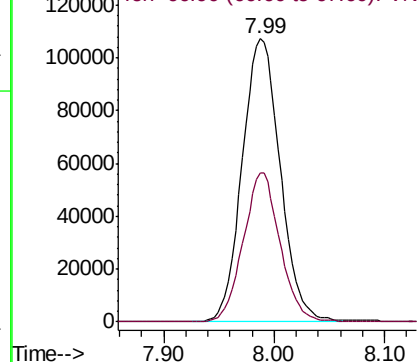
Acq: 2 Sep 2020 16:17

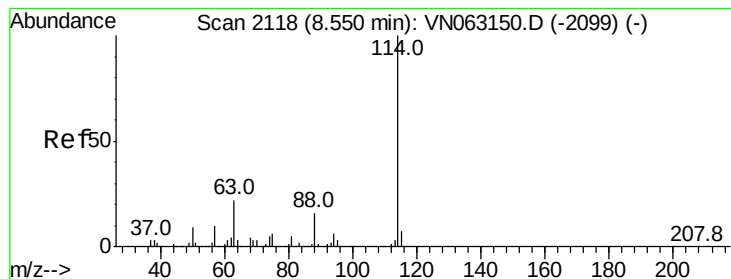
Tgt Ion: 65 Resp: 255950

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	104.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063198.D

Acq: 2 Sep 2020 16:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-DUP-20200831

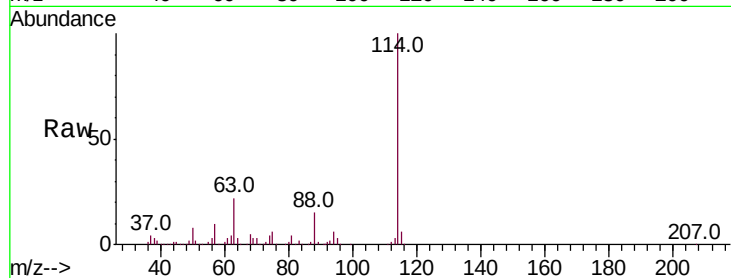
Tot Ion:114 Resp: 624581

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

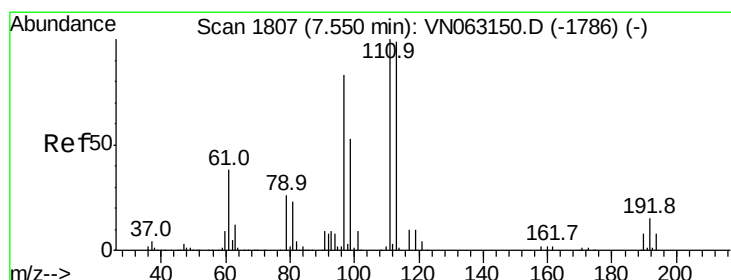
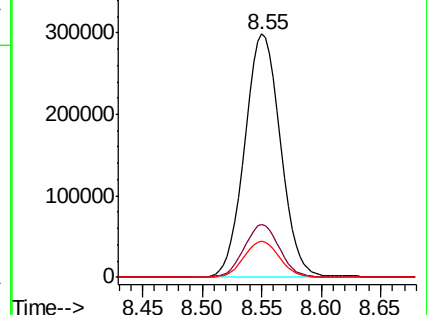
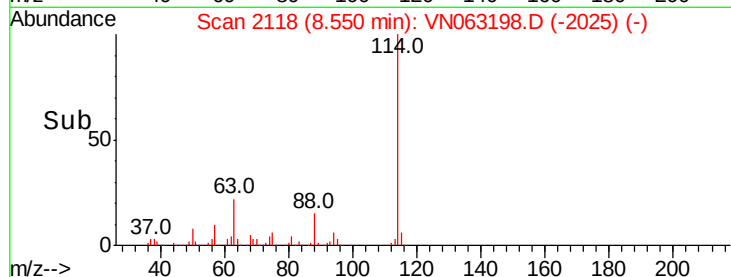
88 14.8 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.776 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063198.D

Acq: 2 Sep 2020 16:17

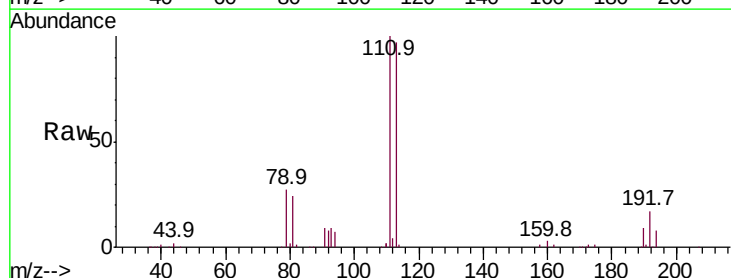
Tgt Ion:113 Resp: 195447

Ion Ratio Lower Upper

113 100

111 104.7 80.7 121.1

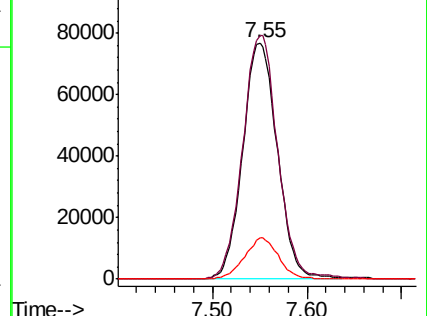
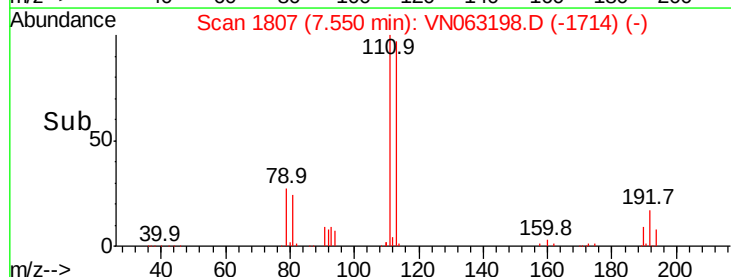
192 17.2 12.6 19.0

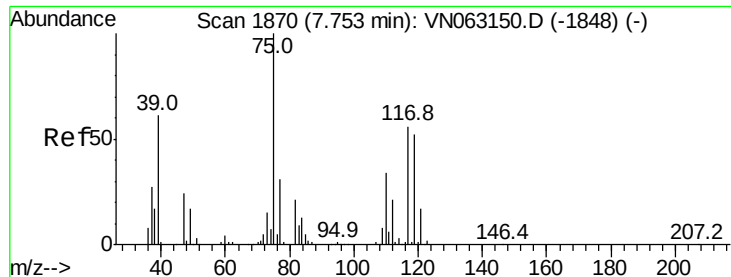


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.768 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063198.D

Acq: 2 Sep 2020 16:17

Instrument :

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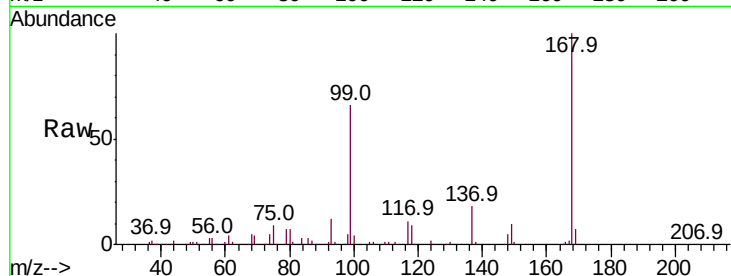
Tot Ion: 75 Resp: 28628

Ion Ratio Lower Upper

75 100

110 11.6 16.6 49.8#

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN063198.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063198.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063198.D (-1777) (-)

7.62

15000

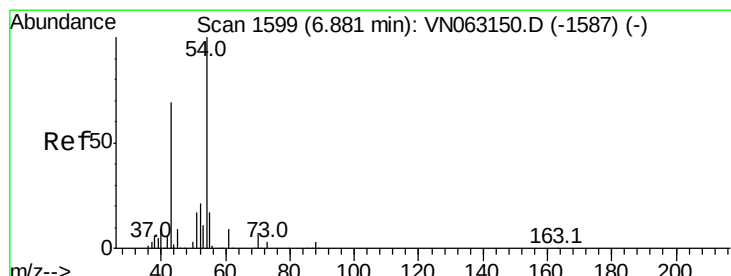
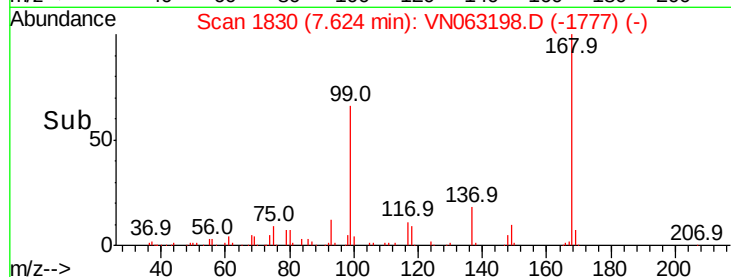
10000

5000

0

7.55 7.60 7.65 7.70

Time-->



#37

Ethyl Acetate

Concen: 0.436 ug/l

RT: 6.85 min Scan# 1589

Delta R.T. -0.03 min

Lab File: VN063198.D

Acq: 2 Sep 2020 16:17

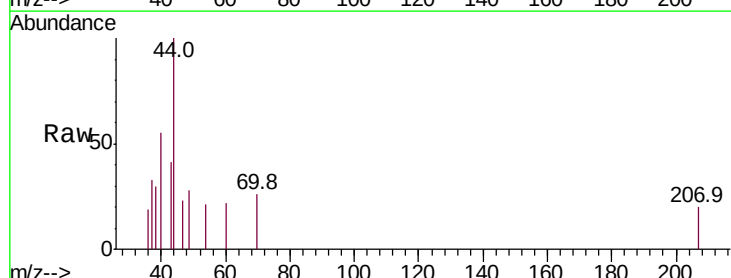
Tgt Ion: 43 Resp: 319

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 39.5 3.0 4.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063198.D (-1506) (-)

Ion 60.90 (60.60 to 61.60): VN063198.D (-1506) (-)

Ion 70.00 (69.70 to 70.70): VN063198.D (-1506) (-)

6.85

400

300

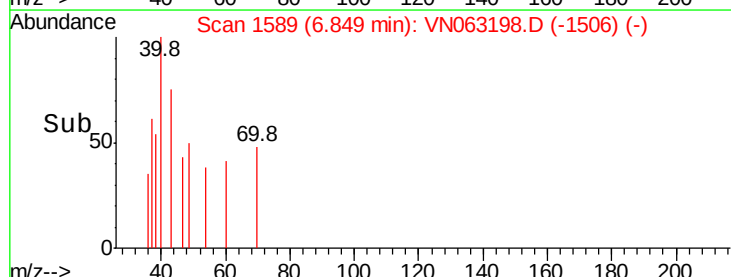
200

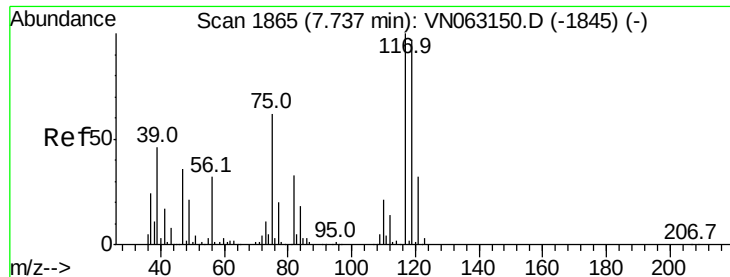
100

0

6.83 6.84 6.85 6.86

Time-->





#38

Carbon Tetrachloride

Concen: 5.591 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063198.D

Acq: 2 Sep 2020 16:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-DUP-20200831

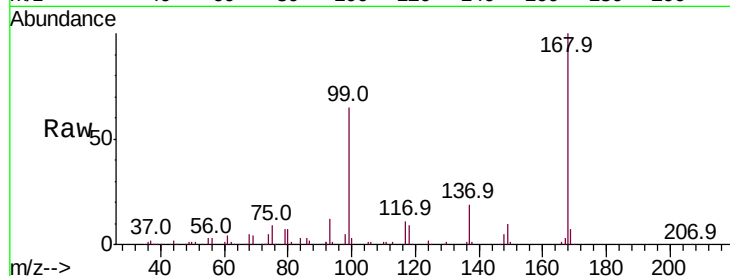
Tot Ion:117 Resp: 34045

Ion Ratio Lower Upper

117 100

119 3.6 77.2 115.8#

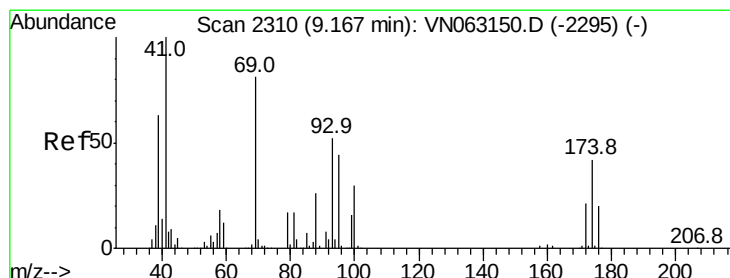
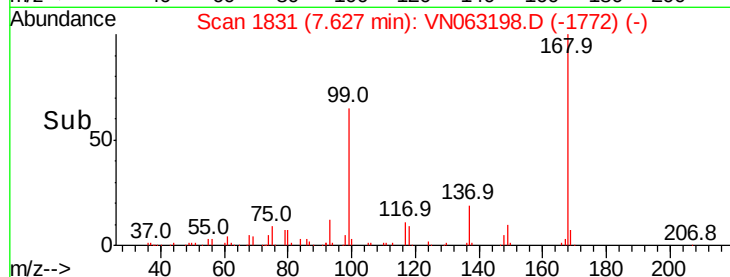
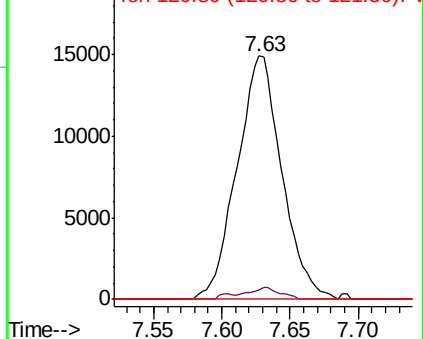
121 0.0 25.6 38.4#



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



#49

1,4-Dioxane

Concen: 2.299 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN063198.D

Acq: 2 Sep 2020 16:17

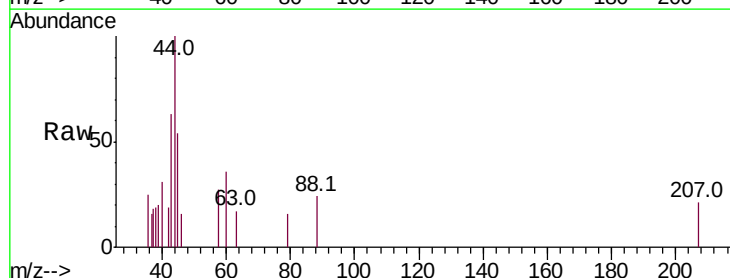
Tgt Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

43 157.3 28.6 42.8#

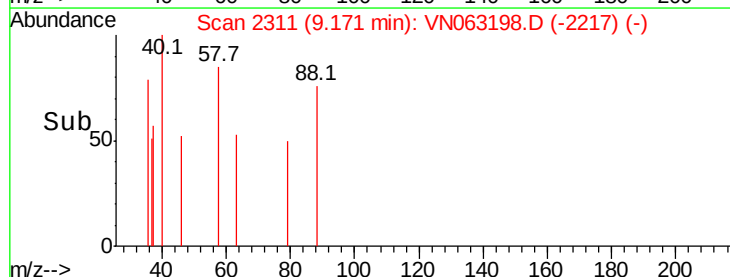
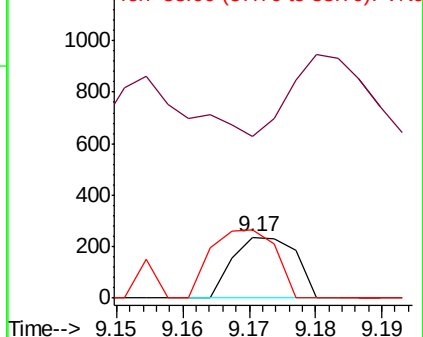
58 114.6 53.2 79.8#

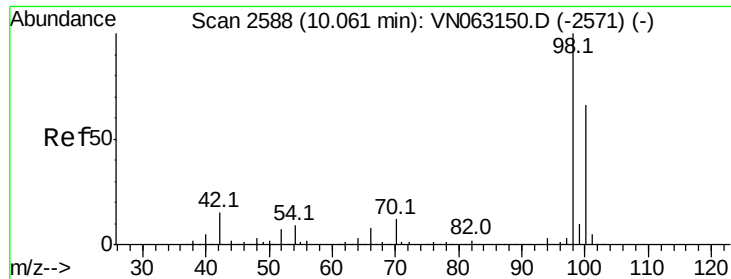


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

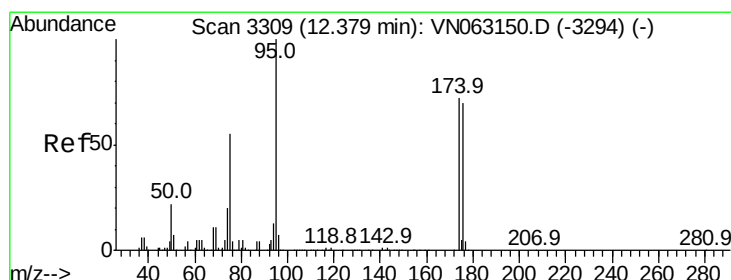
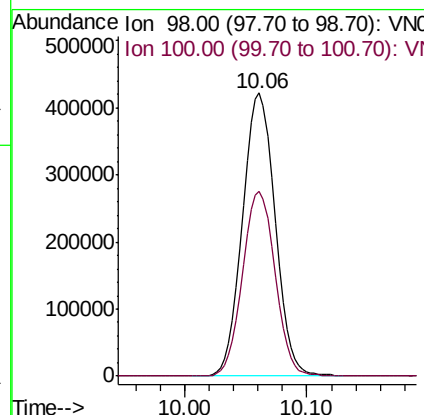
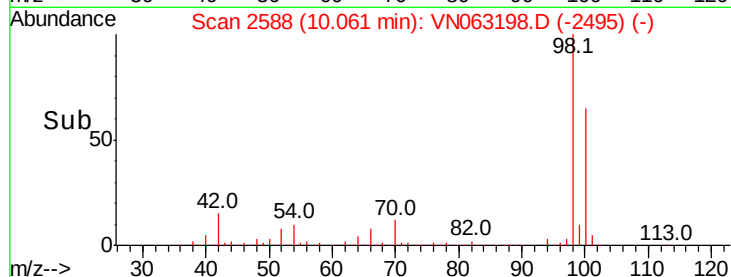
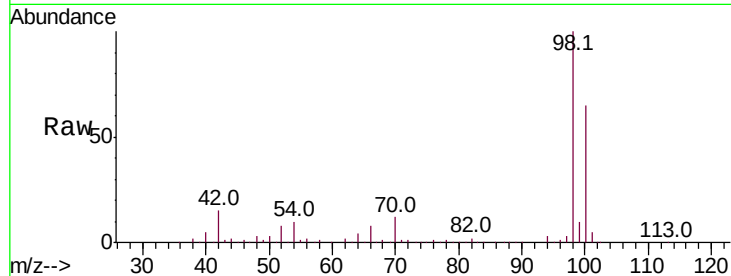




#50
Toluene-d8
Concen: 50.563 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063198.D
Acq: 2 Sep 2020 16:17

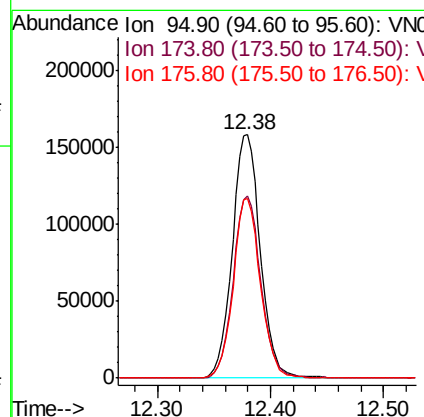
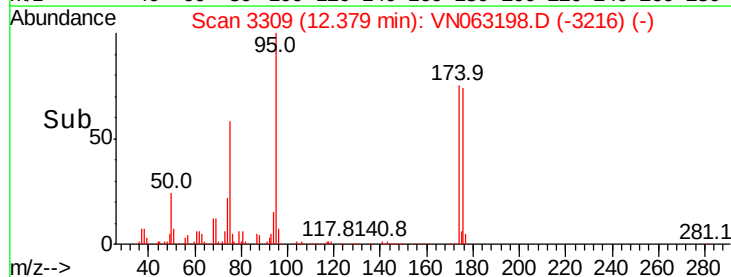
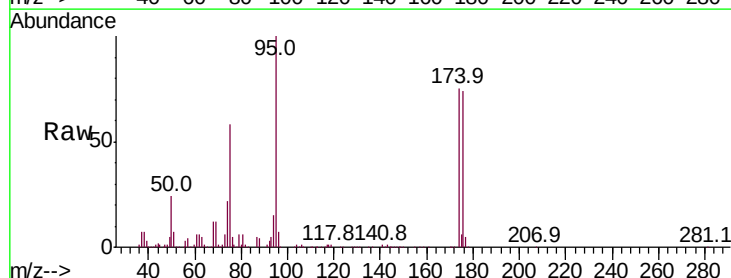
Instrument :
MSVOA_N
ClientSampleId :
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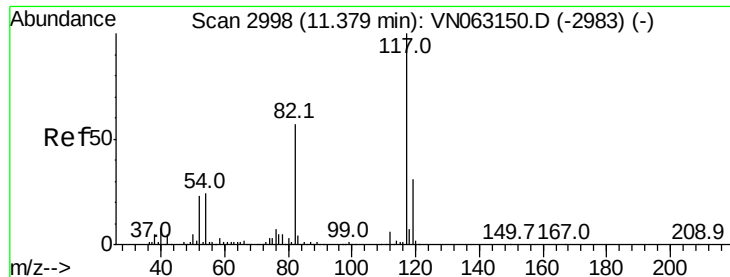
Tot Ion: 98 Resp: 779840
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.596 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN063198.D
Acq: 2 Sep 2020 16:17

Tgt Ion: 95 Resp: 272969
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 71.5 0.0 138.4

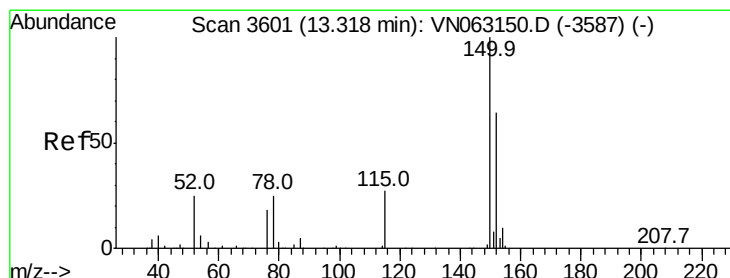
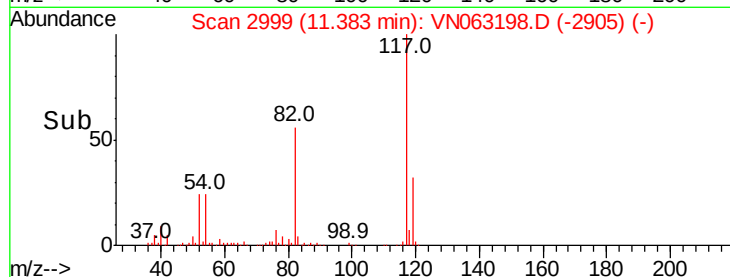
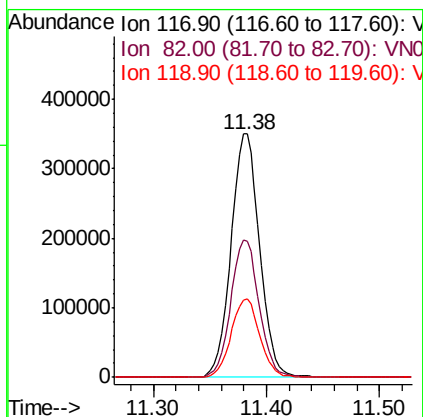
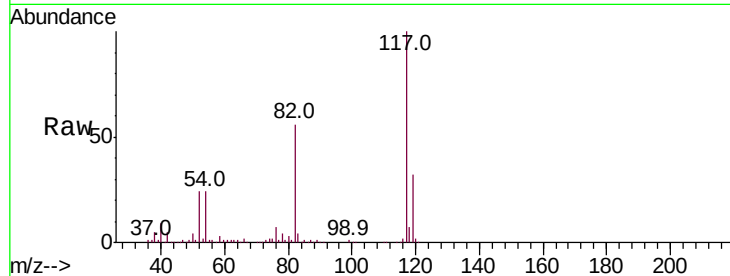




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063198.D
Acq: 2 Sep 2020 16:17

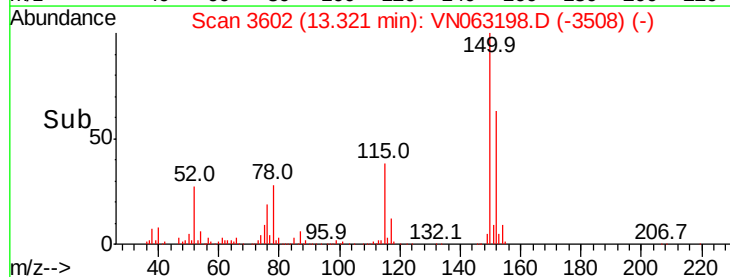
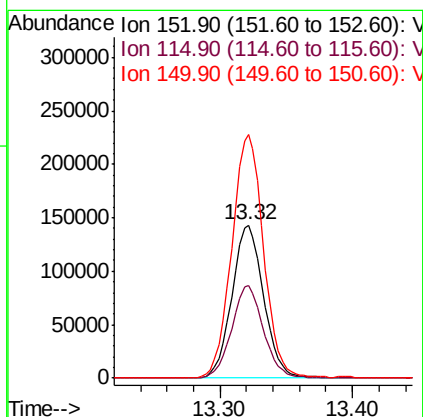
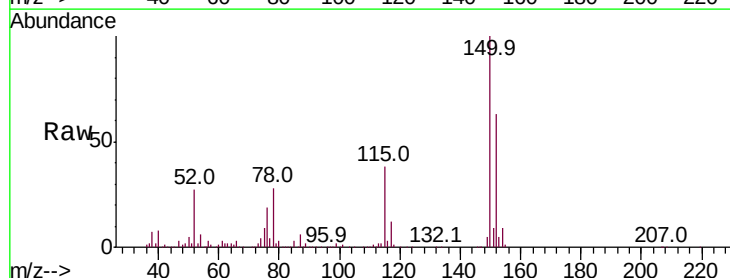
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-DUP-20200831

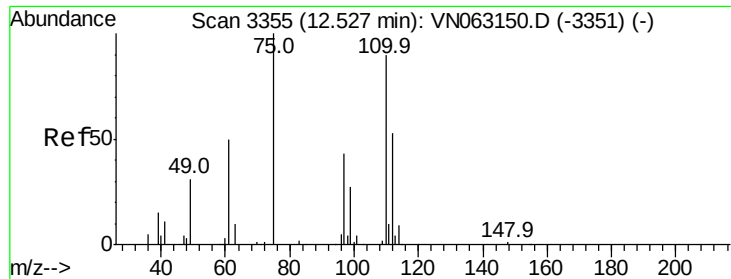
Tot Ion:117 Resp: 614279
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 32.3 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3602
Delta R.T. 0.00 min
Lab File: VN063198.D
Acq: 2 Sep 2020 16:17

Tgt Ion:152 Resp: 237276
Ion Ratio Lower Upper
152 100
115 60.5 32.0 96.2
150 159.0 0.0 353.0

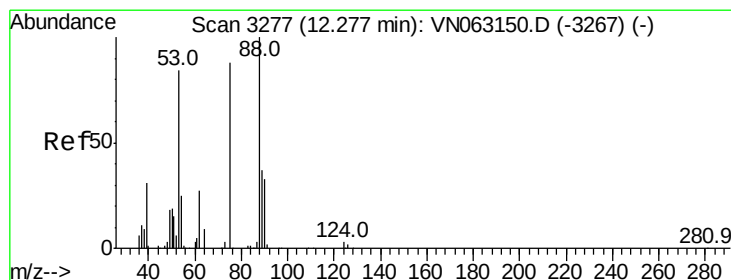
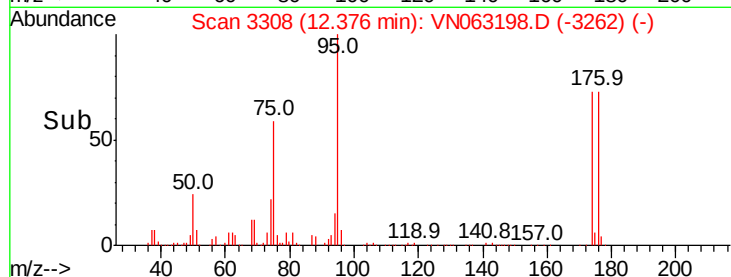
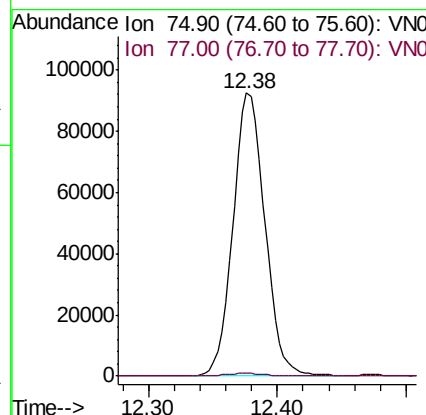
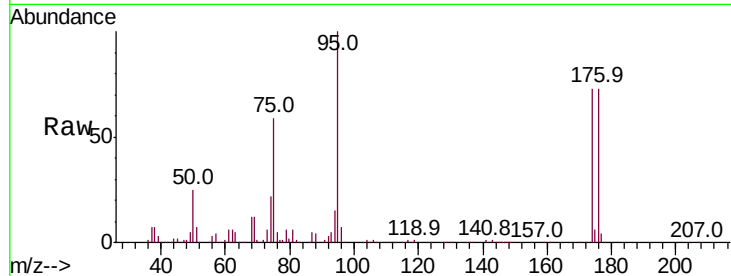




#76
 1,2,3-Trichloropropane
 Concen: 34.061 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063198.D
 Acq: 2 Sep 2020 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-DUP-20200831

Tot Ion: 75 Resp: 158791
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.325 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063198.D
 Acq: 2 Sep 2020 16:17

Tgt Ion: 75 Resp: 158791
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.7 118.1#
 89 0.0 35.3 52.9#

