

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063239.D
 Acq On : 4 Sep 2020 11:49
 Operator : JC/MD
 Sample : L3923-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200902

Quant Time: Sep 05 07:28:37 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

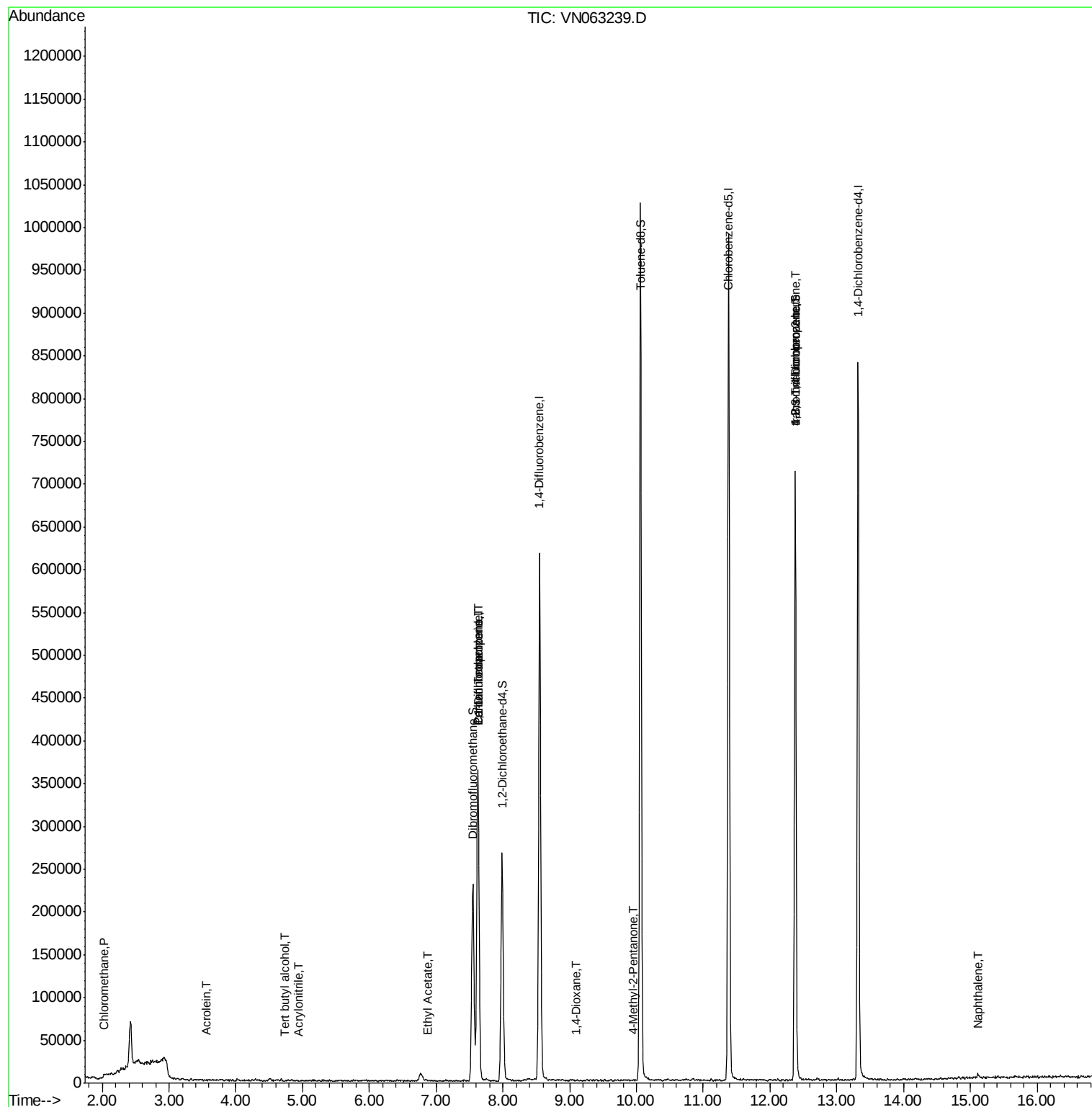
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	276426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	529261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	525976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208992	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	218938	48.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.90%	
35) Dibromofluoromethane	7.55	113	169476	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
50) Toluene-d8	10.06	98	679867	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.38	95	234358	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	1661	0.419	ug/l	92
7) Trichlorofluoromethane	2.91	101	33	Below Cal	#	40
11) Tert butyl alcohol	4.73	59	252	0.454	ug/l #	42
13) Acrolein	3.57	56	59	16.031	ug/l #	1
15) Acrylonitrile	4.94	53	140	2.493	ug/l #	9
20) Methylene Chloride	4.49	84	438	Below Cal	#	83
31) Cyclohexane	7.63	56	8068	Below Cal	#	34
36) 1,1-Dichloropropene	7.63	75	26089	5.128	ug/l #	50
37) Ethyl Acetate	6.87	43	148	0.411	ug/l #	84
38) Carbon Tetrachloride	7.62	117	31003	6.008	ug/l #	17
49) 1,4-Dioxane	9.09	88	66	1.141	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	1224	0.271	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	133783	32.580	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	133783	78.746	ug/l #	10
95) Naphthalene	15.12	128	4454	0.370	ug/l #	90

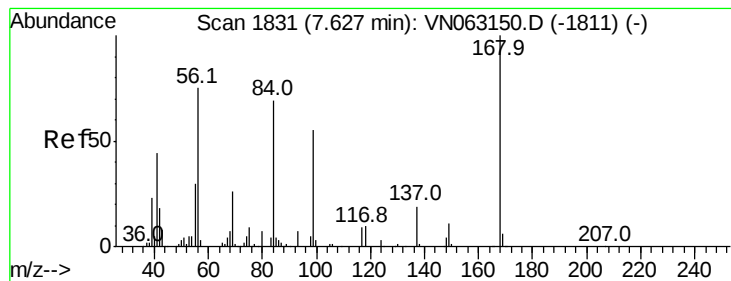
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063239.D

Acq: 4 Sep 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

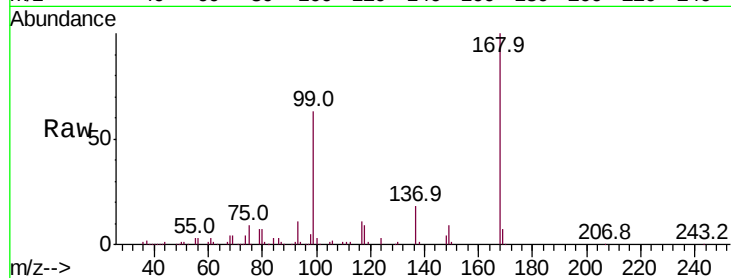
BP-VPB181-TB-20200902

Tot Ion:168 Resp: 276426

Ion Ratio Lower Upper

168 100

99 62.9 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063239.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063239.D (-1738) (-)

7.63

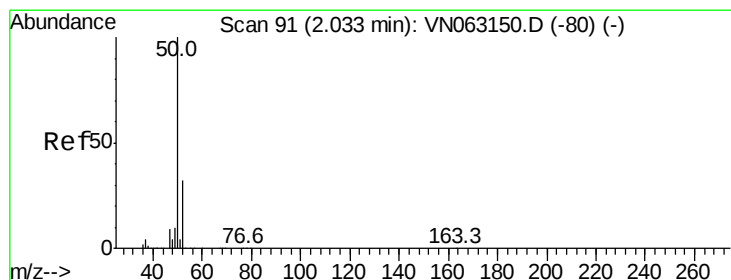
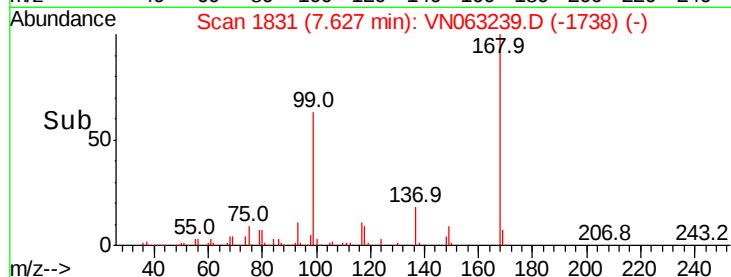
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.419 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063239.D

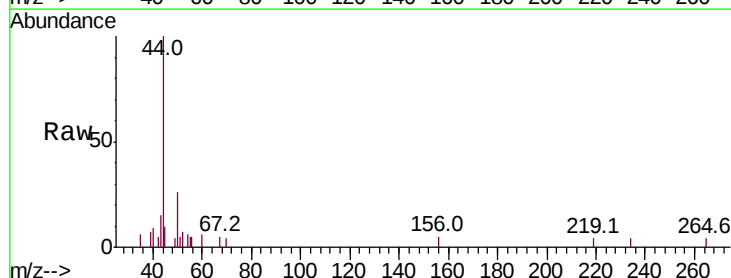
Acq: 4 Sep 2020 11:49

Tgt Ion: 50 Resp: 1661

Ion Ratio Lower Upper

50 100

52 27.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN063239.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063239.D (-1) (-)

2.04

1200

1000

800

600

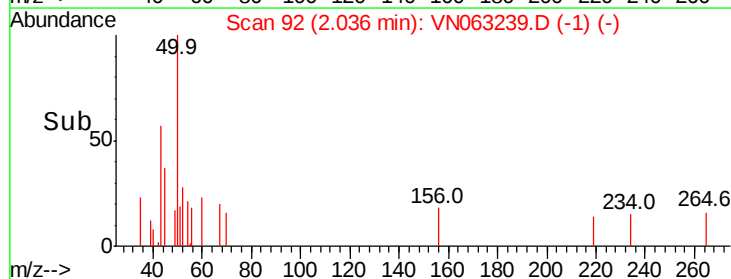
400

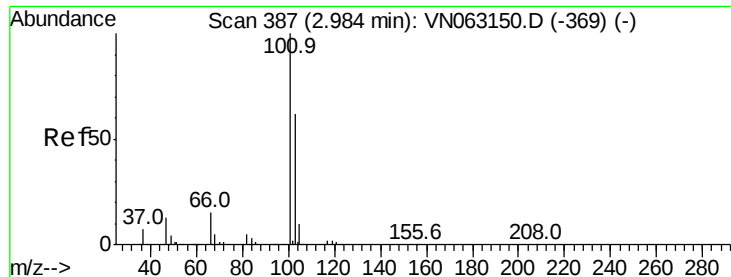
200

0

2.00 2.05 2.10

Time-->



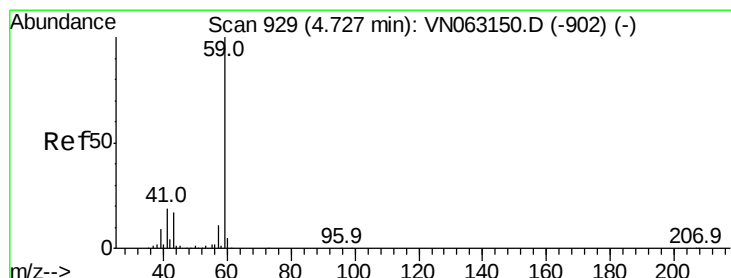
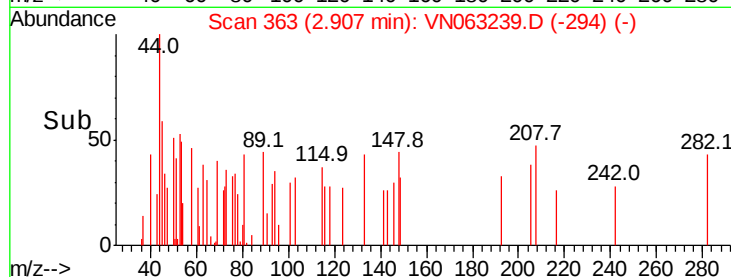
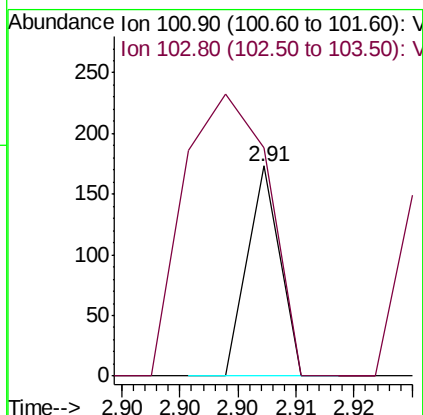
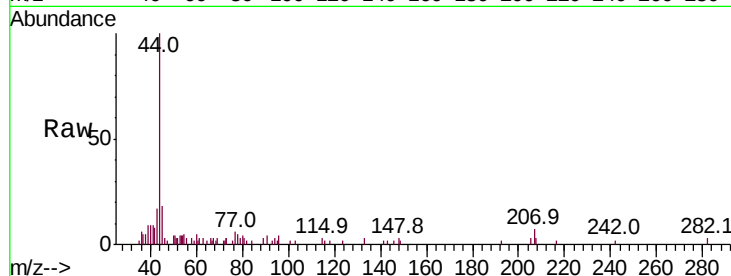


#7

Trichlorofluoromethane
 Concen: Below Cal
 RT: 2.91 min Scan# 363
 Delta R.T. -0.08 min
 Lab File: VN063239.D
 Acq: 4 Sep 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200902

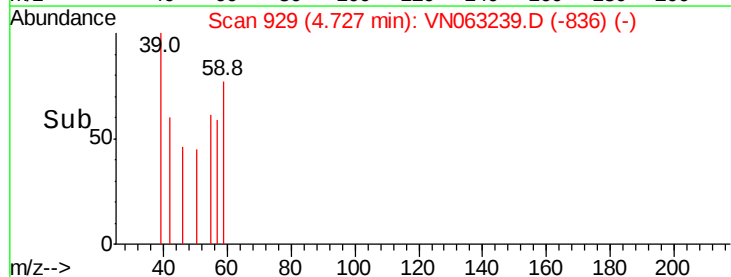
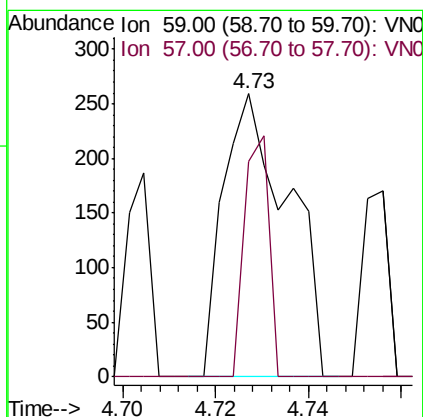
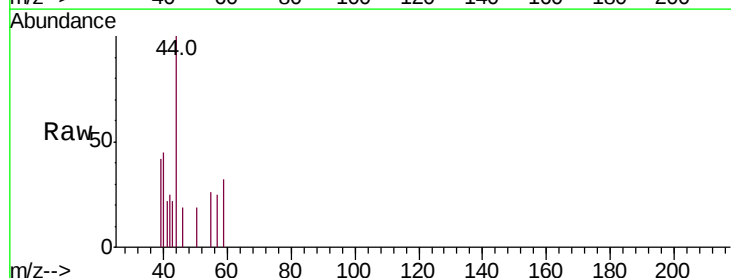
Tot Ion:101 Resp: 33
 Ion Ratio Lower Upper
 101 100
 103 108.7 49.7 74.5#

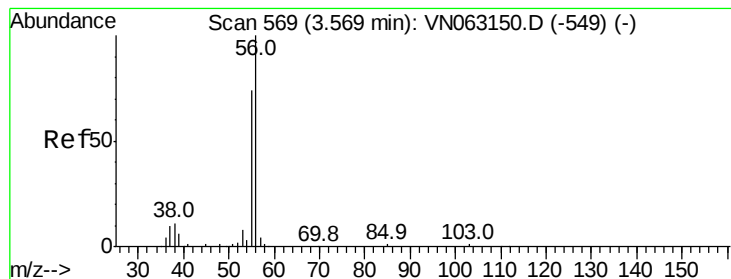


#11

Tert butyl alcohol
 Concen: 0.454 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN063239.D
 Acq: 4 Sep 2020 11:49

Tgt Ion: 59 Resp: 252
 Ion Ratio Lower Upper
 59 100
 57 32.1 8.4 12.6#





#13

Acrolein

Concen: 16.031 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

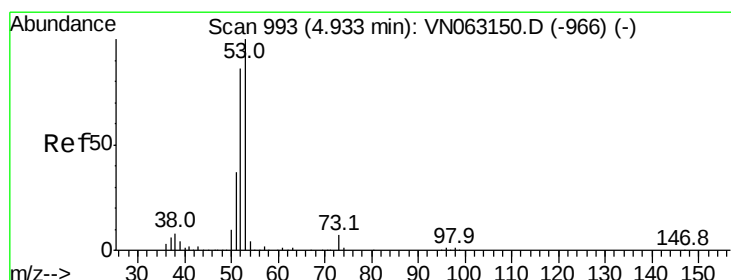
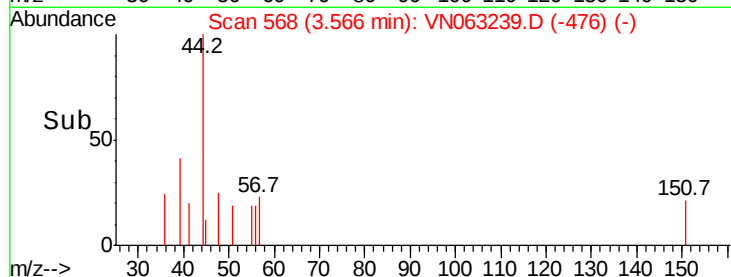
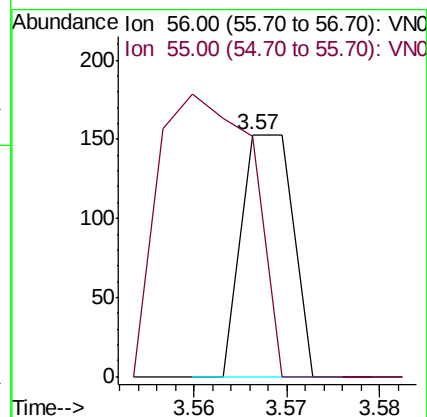
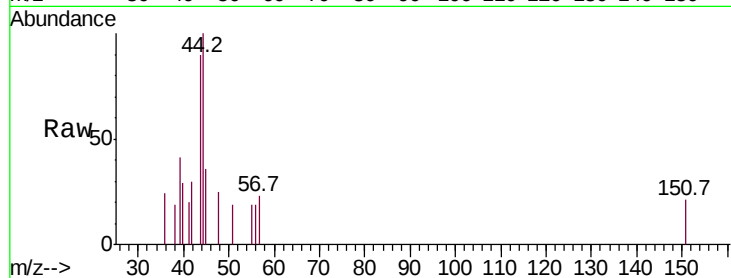
BP-VPB181-TB-20200902

Tot Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 213.6 55.4 83.0#



#15

Acrylonitrile

Concen: 2.493 ug/l

RT: 4.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

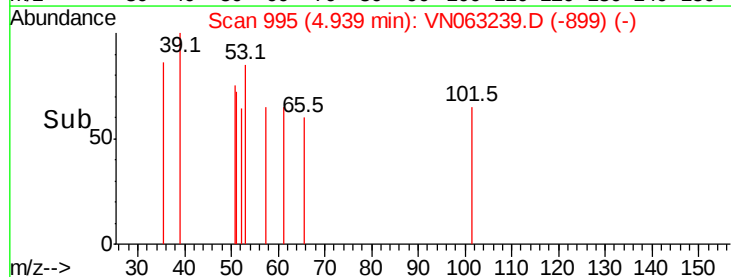
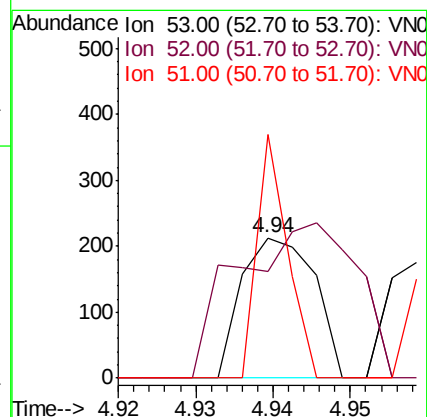
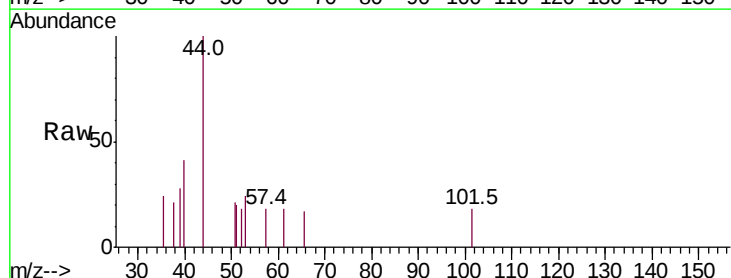
Tgt Ion: 53 Resp: 140

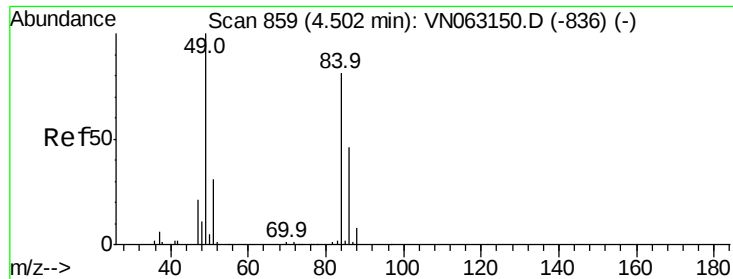
Ion Ratio Lower Upper

53 100

52 180.0 67.2 100.8#

51 72.1 30.2 45.4#

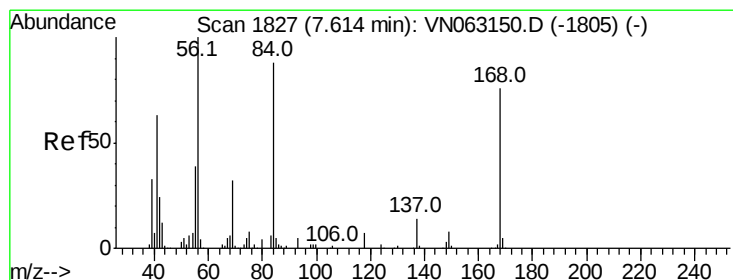
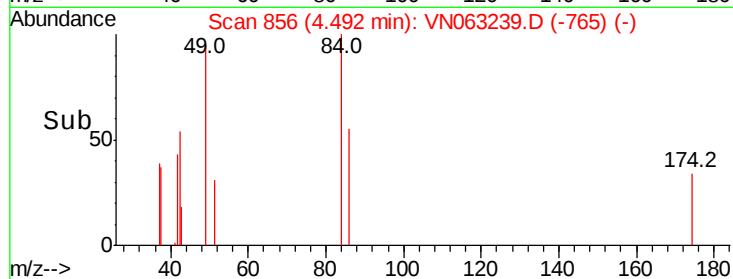
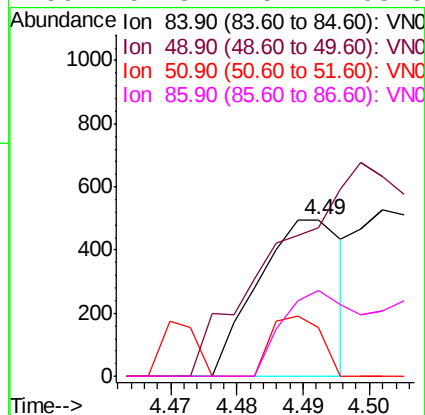
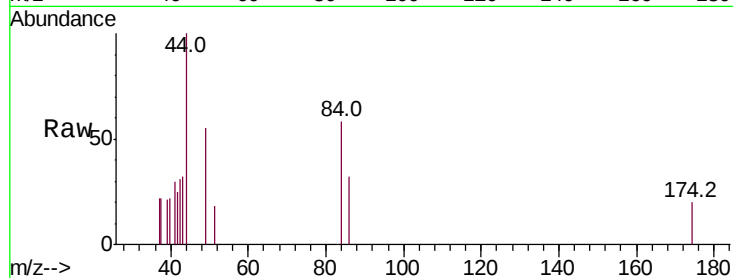




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN063239.D
Acq: 4 Sep 2020 11:49

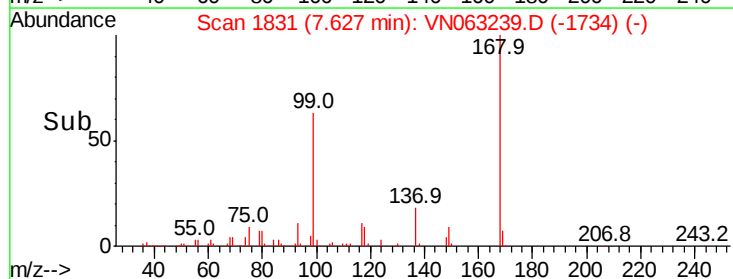
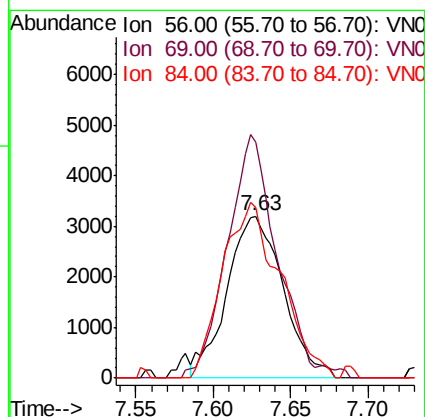
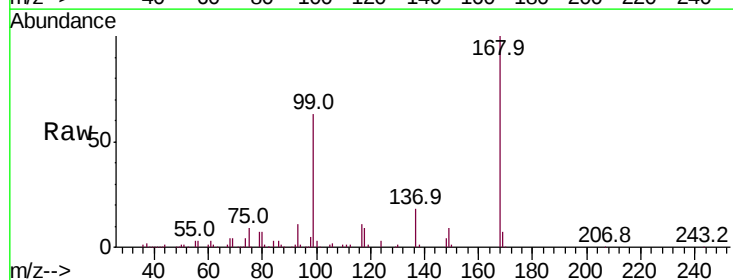
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-TB-20200902

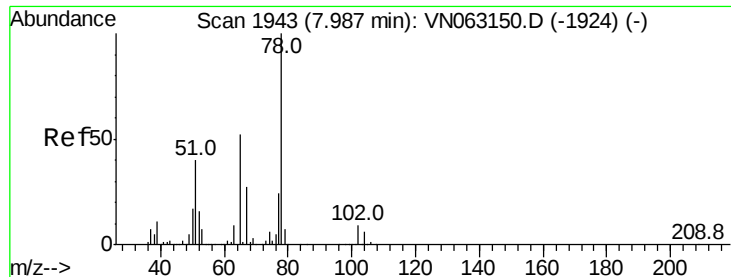
Tot Ion:	84	Resp:	438
Ion	Ratio	Lower	Upper
84	100		
49	94.8	98.4	147.6#
51	31.0	30.4	45.6
86	54.8	45.7	68.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063239.D
Acq: 4 Sep 2020 11:49

Tgt Ion:	56	Resp:	8068
Ion	Ratio	Lower	Upper
56	100		
69	139.8	25.4	38.0#
84	105.4	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 48.451 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

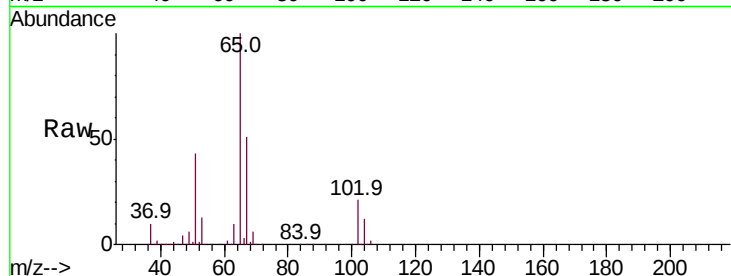
BP-VPB181-TB-20200902

Tot Ion: 65 Resp: 218938

Ion Ratio Lower Upper

65 100

67 50.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063239.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063239.D (-1924) (-)

7.99

100000

80000

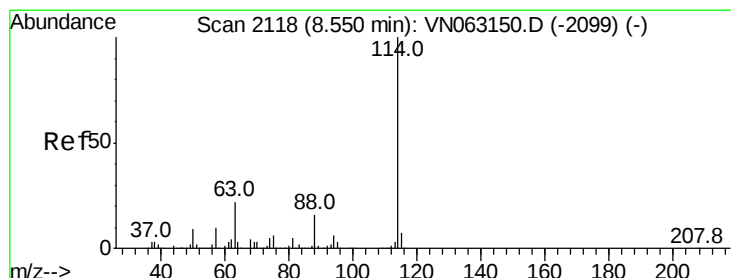
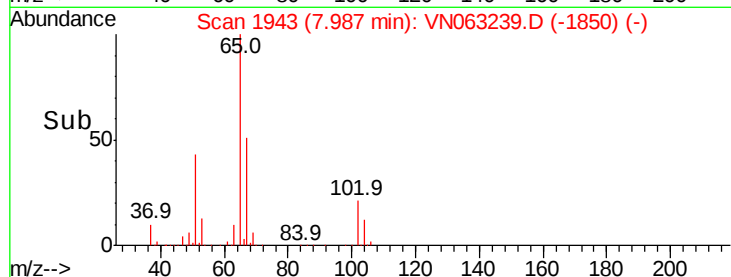
60000

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: VN063239.D

Acq: 4 Sep 2020 11:49

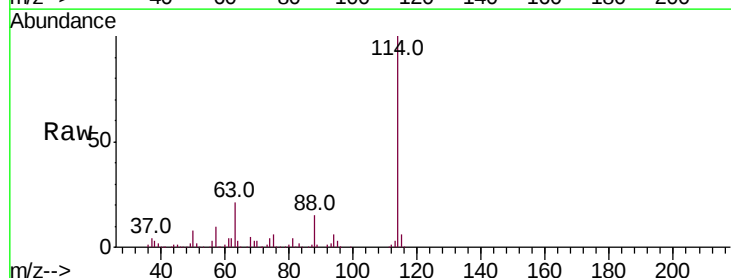
Tgt Ion: 114 Resp: 529261

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.0

88 14.9 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN063239.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN063239.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN063239.D (-2099) (-)

8.55

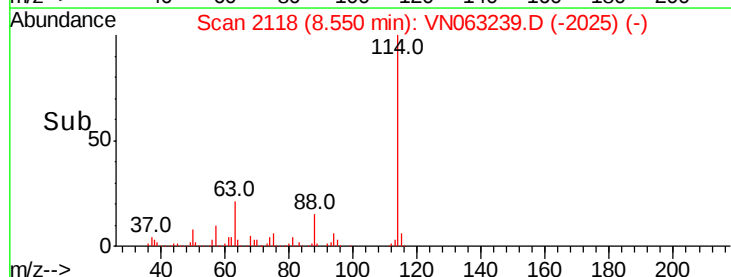
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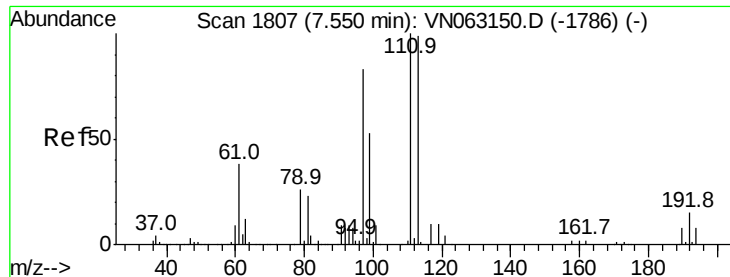
200000

100000

0

Time-->

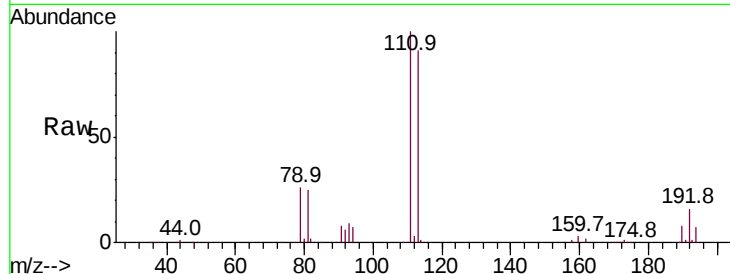




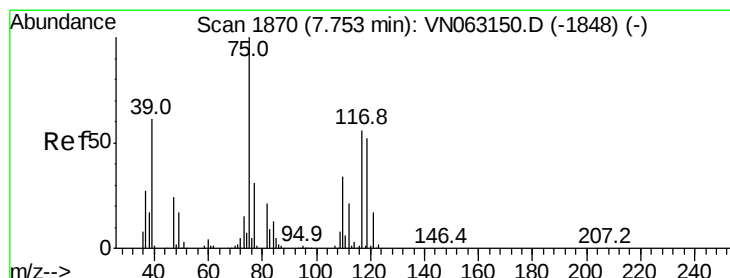
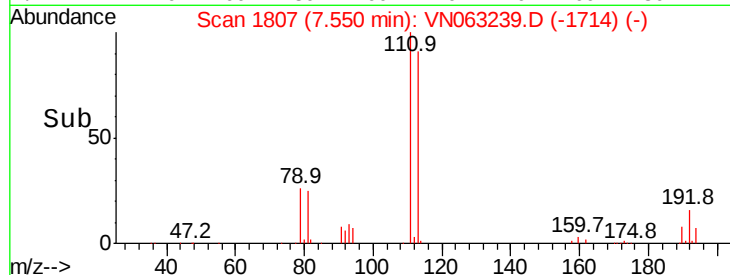
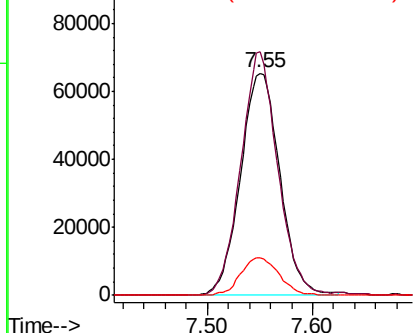
#35
 Dibromofluoromethane
 Concen: 49.912 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063239.D
 Acq: 4 Sep 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200902

Tot Ion:113 Resp: 169476
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.7 121.1
 192 16.7 12.6 19.0

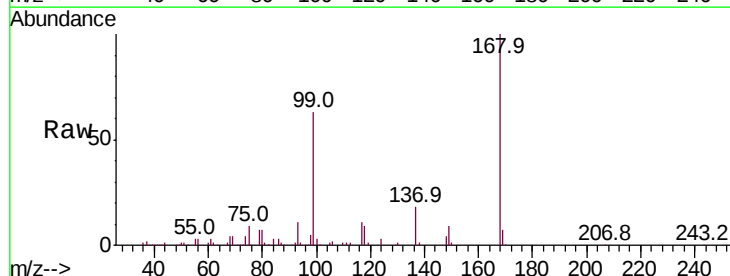


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

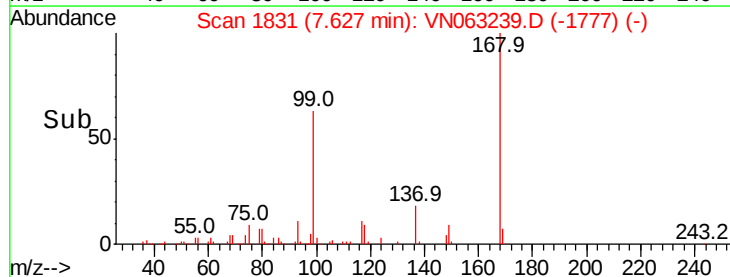
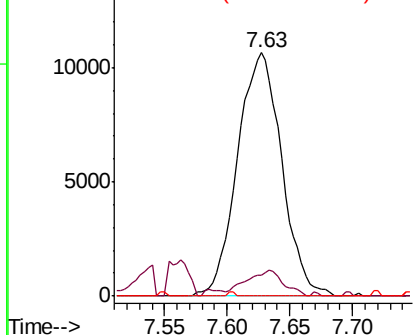


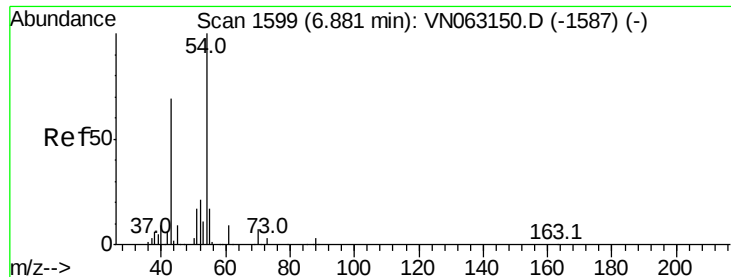
#36
 1,1-Dichloropropene
 Concen: 5.128 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063239.D
 Acq: 4 Sep 2020 11:49

Tgt Ion: 75 Resp: 26089
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.6 49.8#
 77 0.0 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: 0.411 ug/l

RT: 6.87 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200902

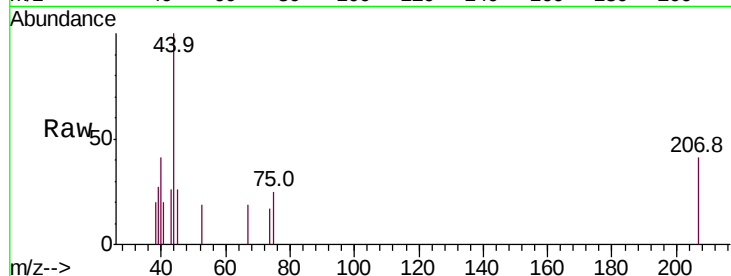
Tot Ion: 43 Resp: 148

Ion Ratio Lower Upper

43 100

61 19.6 10.2 15.4#

70 0.0 3.0 4.6#

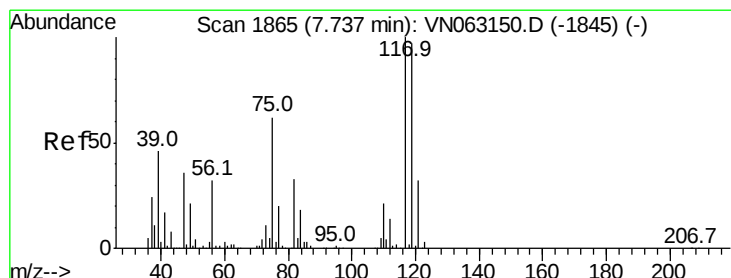
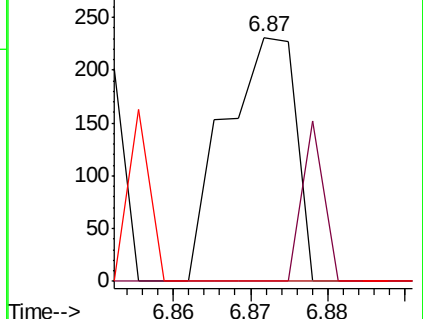
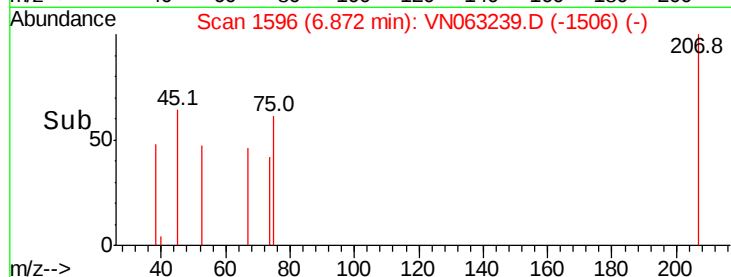


Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN063150.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN063150.D (-1587) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.008 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

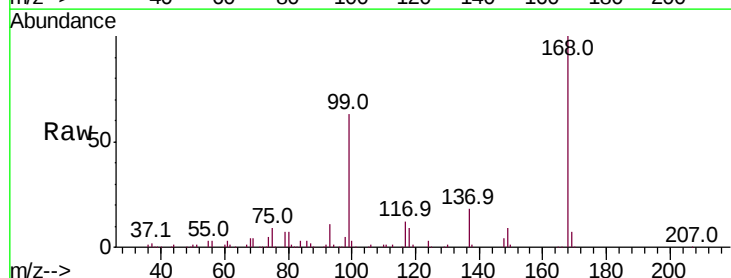
Tgt Ion: 117 Resp: 31003

Ion Ratio Lower Upper

117 100

119 6.2 77.2 115.8#

121 0.0 25.6 38.4#

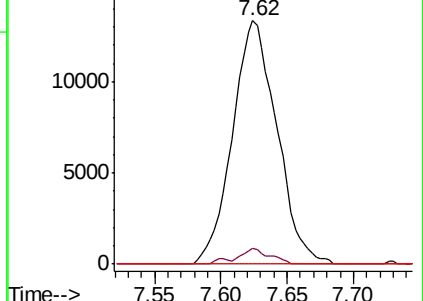
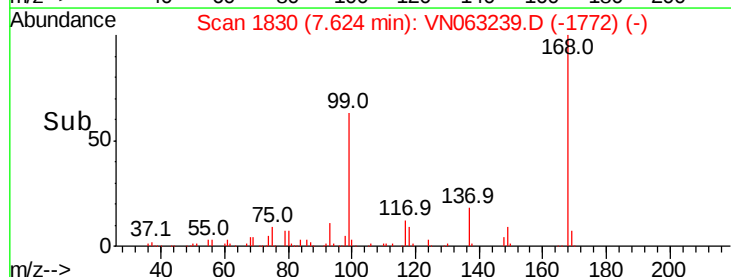


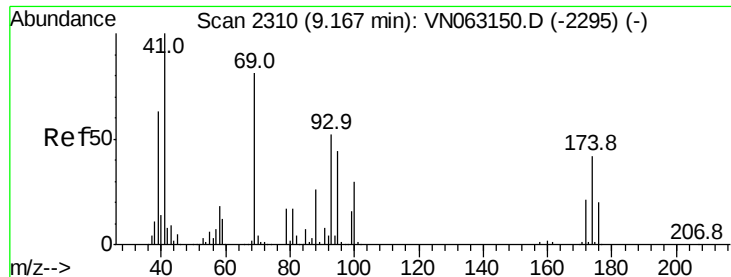
Abundance Ion 116.80 (116.50 to 117.50): VN063150.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063150.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063150.D (-1845) (-)

Time-->

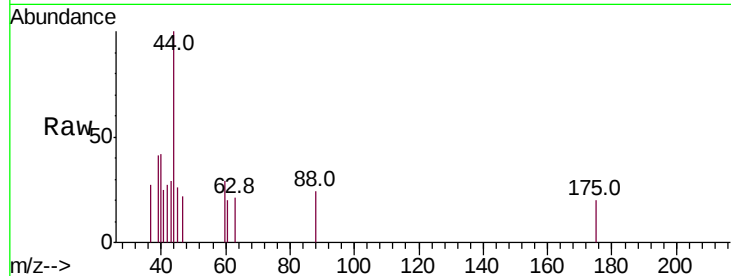




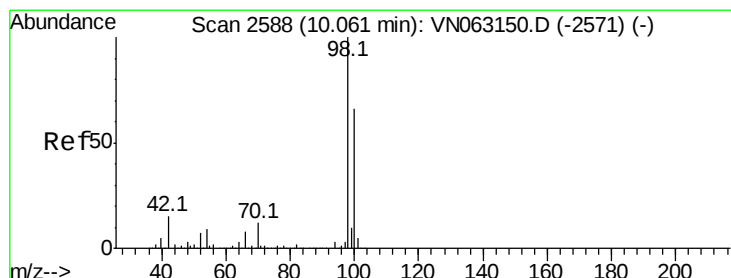
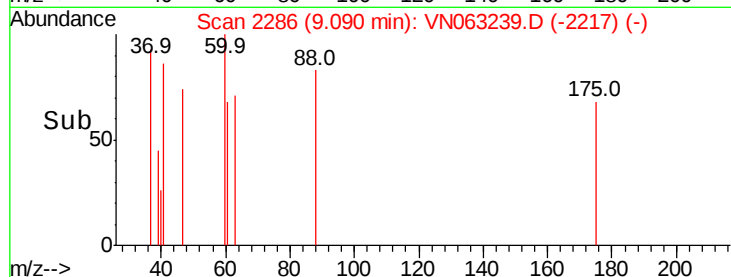
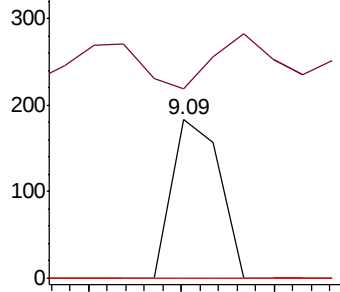
#49
1,4-Dioxane
Concen: 1.141 ug/l
RT: 9.09 min Scan# 2286
Delta R.T. -0.08 min
Lab File: VN063239.D
Acq: 4 Sep 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-TB-20200902

Tot Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 486.4 28.6 42.8#
58 0.0 53.2 79.8#

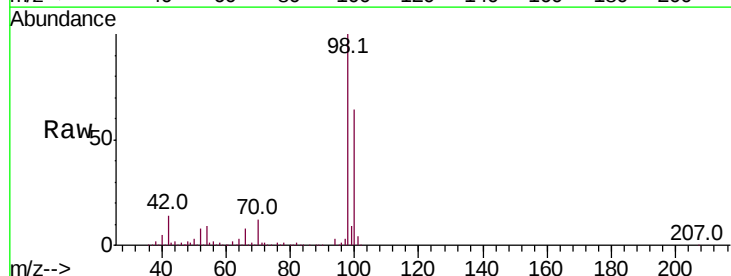


Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

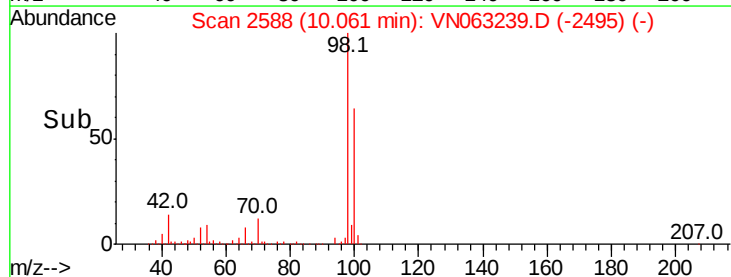
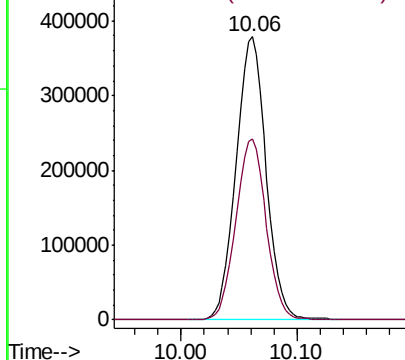


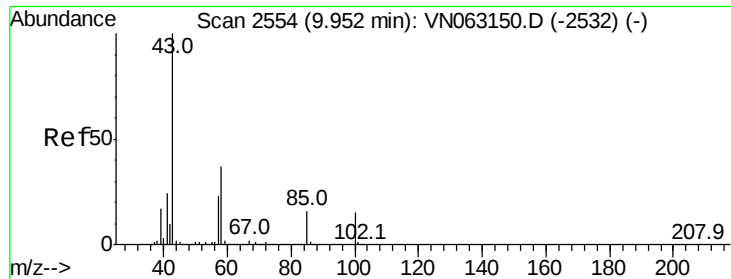
#50
Toluene-d8
Concen: 52.020 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063239.D
Acq: 4 Sep 2020 11:49

Tgt Ion: 98 Resp: 679867
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



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





#51

4-Methyl-2-Pentanone

Concen: 0.271 ug/l

RT: 9.96 min Scan# 2557

Delta R.T. 0.01 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

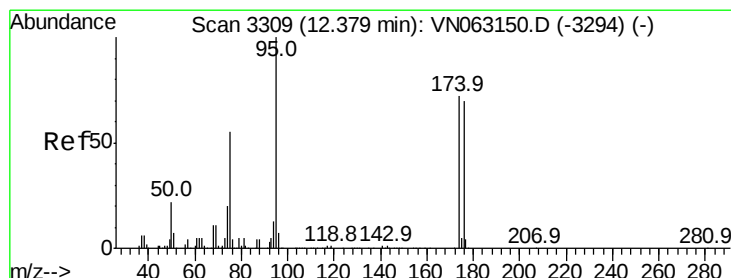
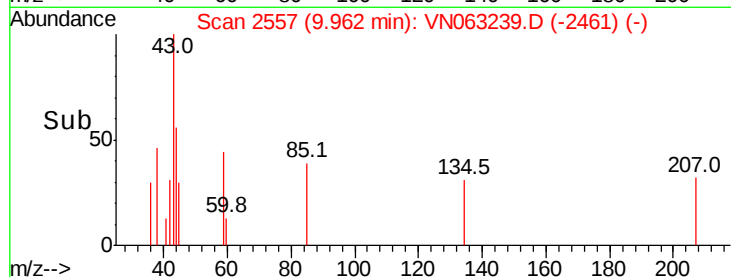
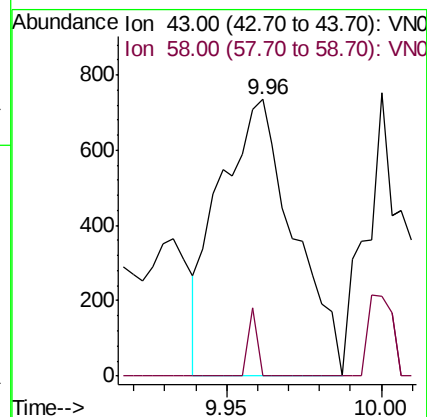
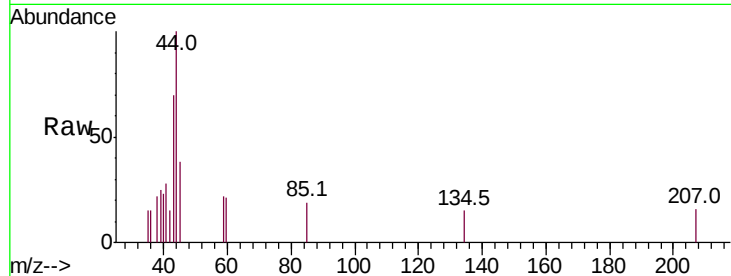
BP-VPB181-TB-20200902

Tot Ion: 43 Resp: 1224

Ion Ratio Lower Upper

43 100

58 0.0 29.2 43.8#



#62

4-Bromofluorobenzene

Concen: 51.263 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

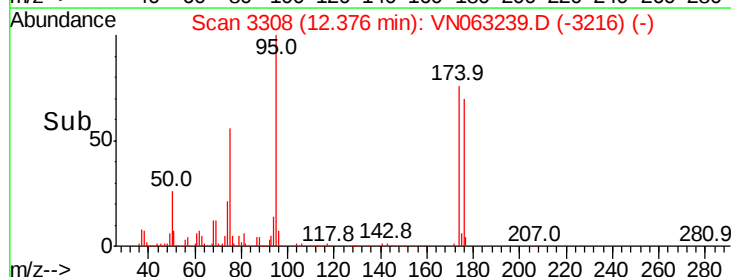
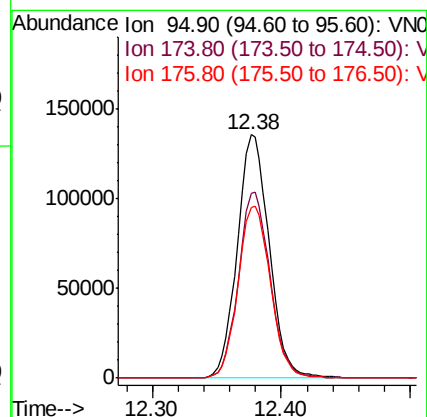
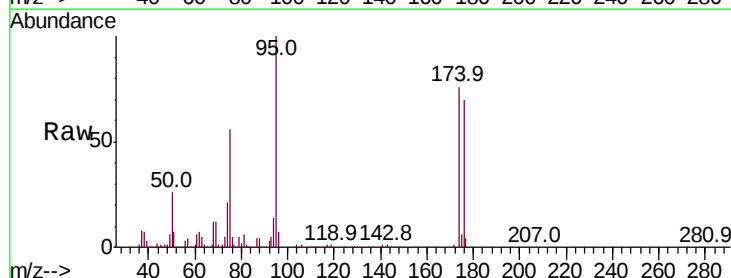
Tgt Ion: 95 Resp: 234358

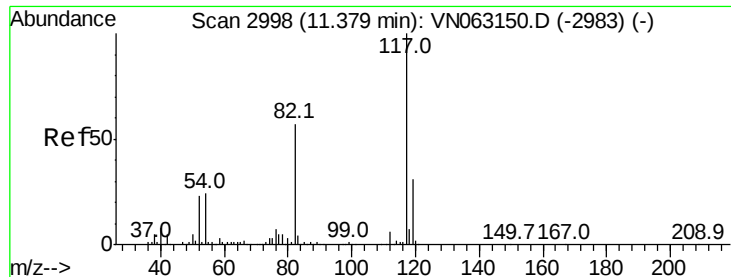
Ion Ratio Lower Upper

95 100

174 75.5 0.0 143.8

176 71.8 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: VN063239.D

Acq: 4 Sep 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200902

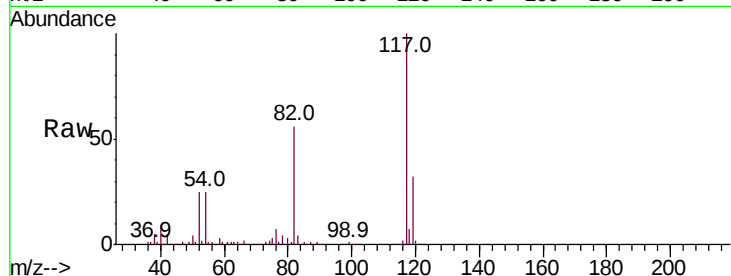
Tot Ion:117 Resp: 525976

Ion Ratio Lower Upper

117 100

82 56.3 45.4 68.0

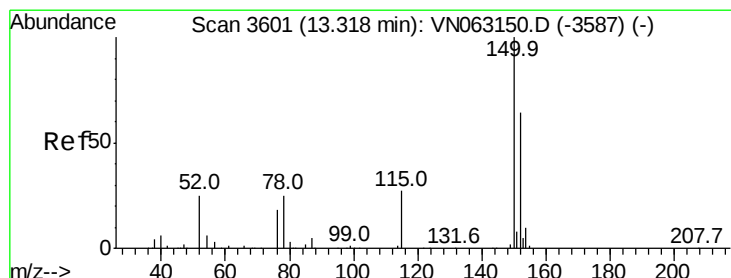
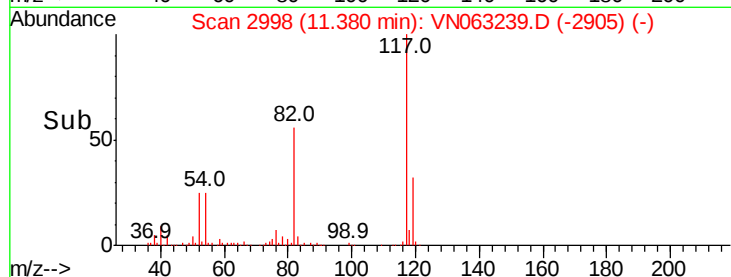
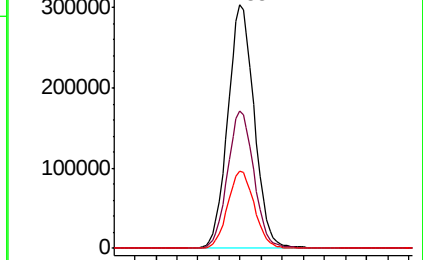
119 31.8 24.6 37.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

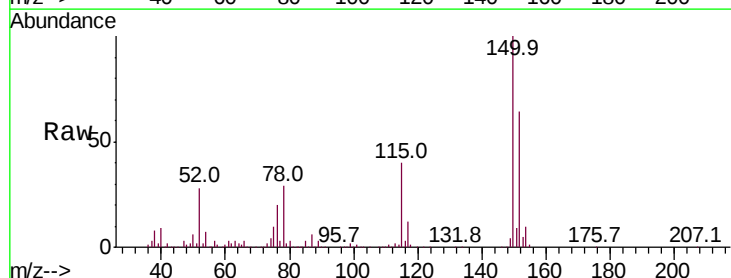
Tgt Ion:152 Resp: 208992

Ion Ratio Lower Upper

152 100

115 62.0 32.0 96.2

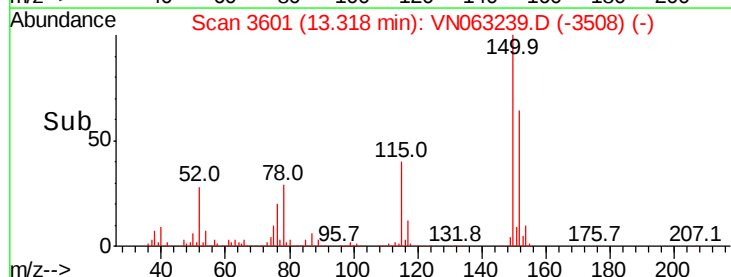
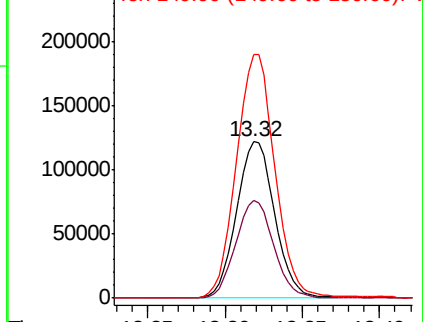
150 157.7 0.0 353.0

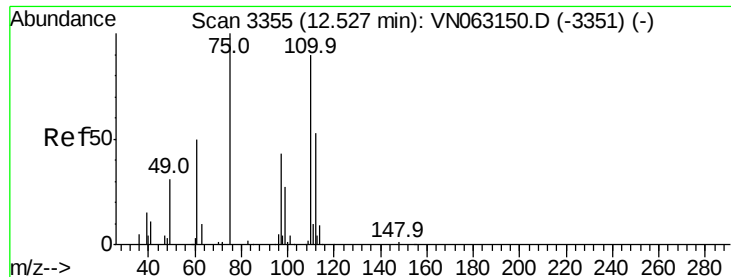


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.580 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

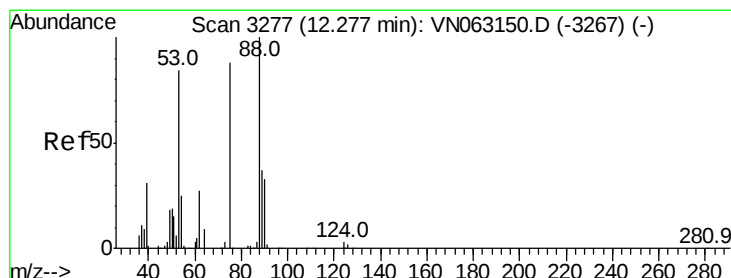
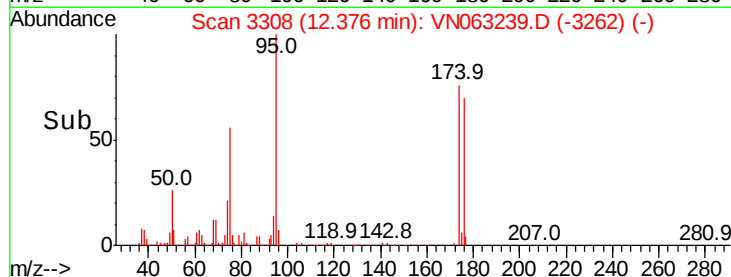
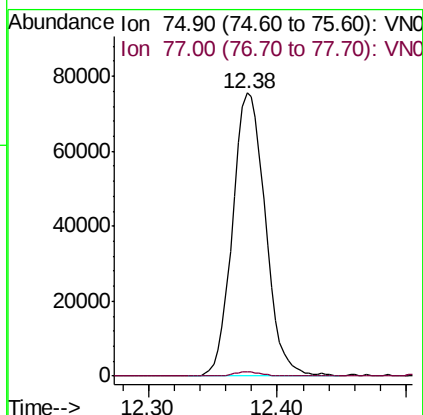
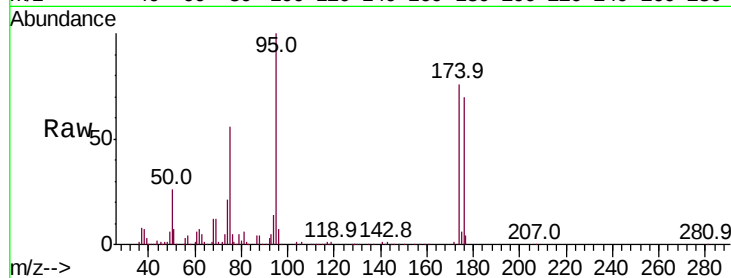
BP-VPB181-TB-20200902

Tot Ion: 75 Resp: 133783

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.746 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

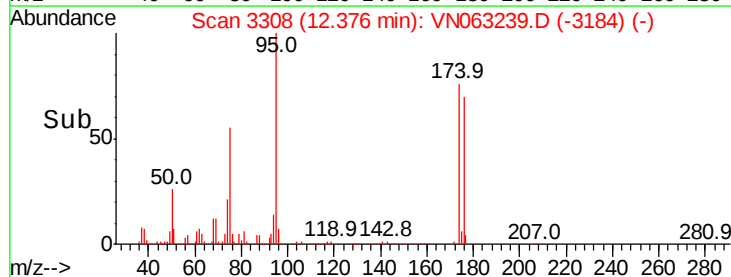
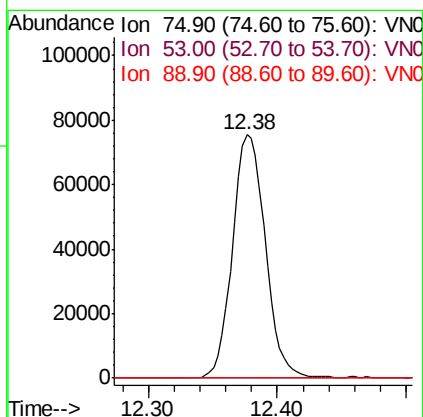
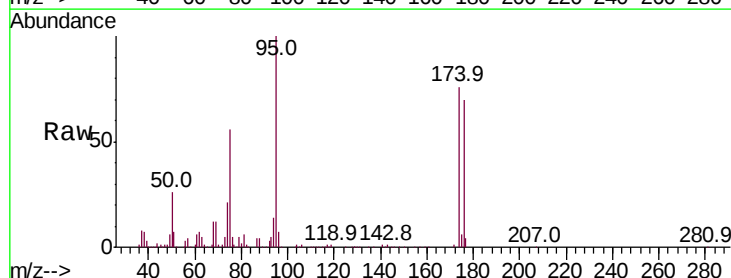
Tgt Ion: 75 Resp: 133783

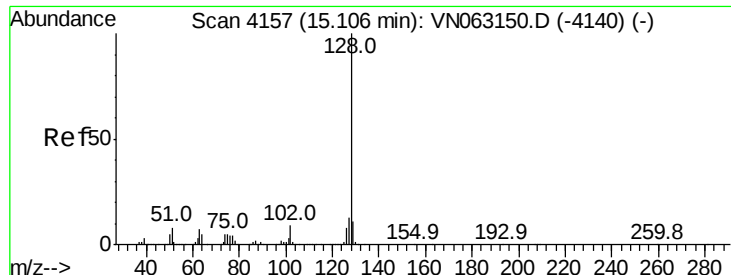
Ion Ratio Lower Upper

75 100

53 0.0 78.7 118.1#

89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 0.370 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.01 min

Lab File: VN063239.D

Acq: 4 Sep 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200902

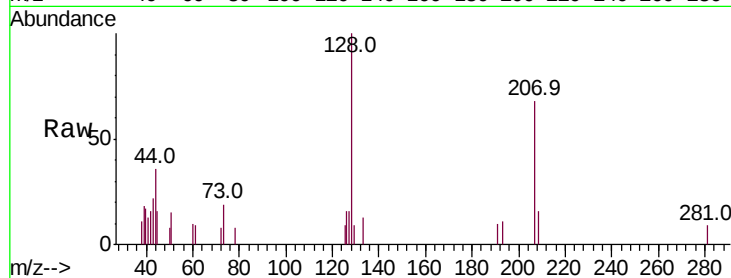
Tot Ion:128 Resp: 4454

Ion Ratio Lower Upper

128 100

127 11.2 10.5 15.7

129 4.8 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

