

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063243.D
 Acq On : 4 Sep 2020 13:25
 Operator : JC/MD
 Sample : L3923-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-898-900

Quant Time: Sep 05 07:29:57 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	268490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	526623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	521663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	200290	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	215310	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	7.55	113	169294	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.06	98	664942	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.38	95	220780	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	

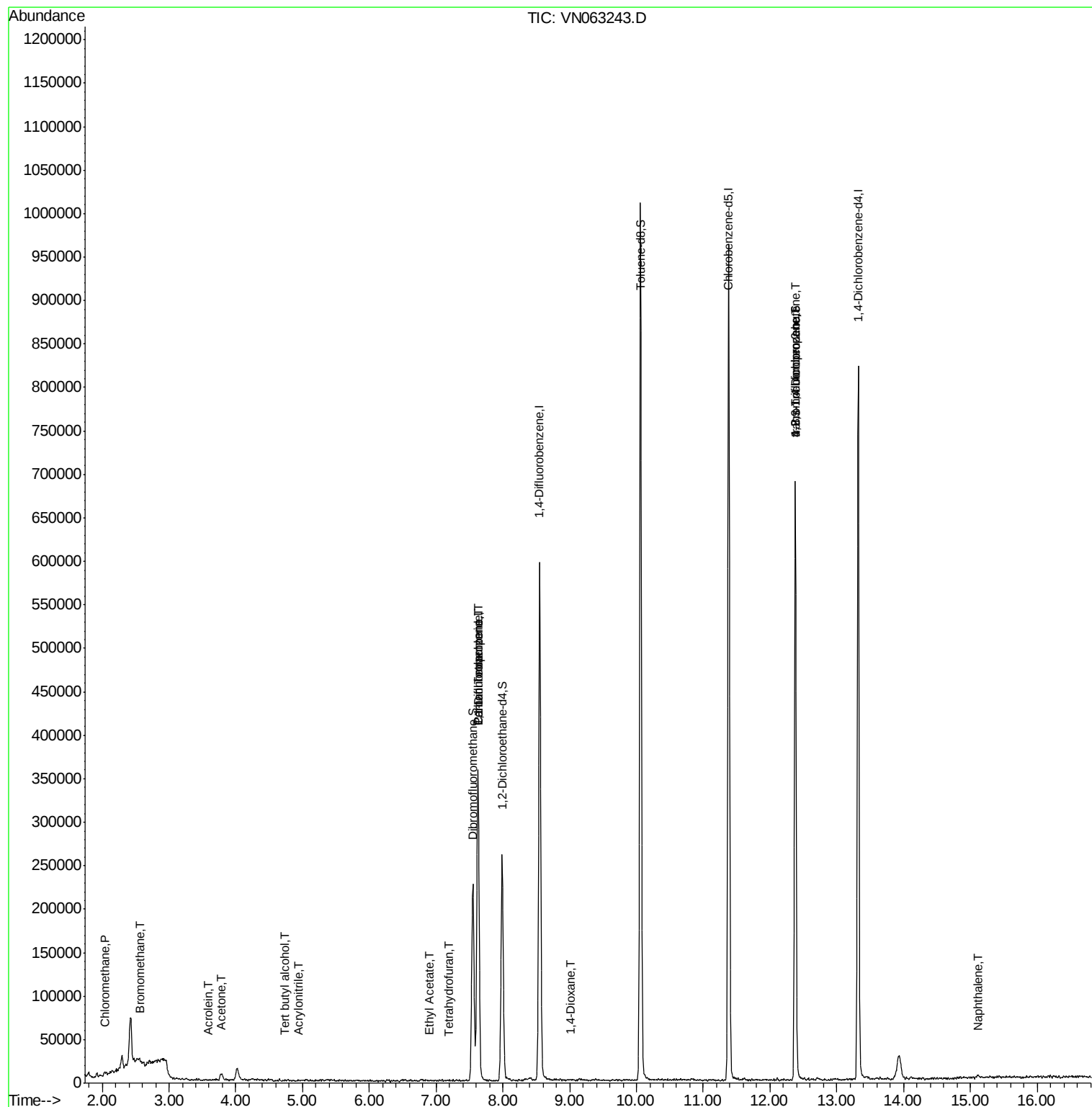
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2254	0.585	ug/l	97
5) Bromomethane	2.55	94	1614	0.451	ug/l #	68
7) Trichlorofluoromethane	2.95	101	32	Below Cal	#	43
11) Tert butyl alcohol	4.73	59	246	0.457	ug/l #	72
13) Acrolein	3.59	56	132	16.372	ug/l #	1
15) Acrylonitrile	4.94	53	239	2.561	ug/l #	17
16) Acetone	3.78	43	13082	10.485	ug/l	97
20) Methylene Chloride	4.50	84	601	Below Cal	#	36
29) Tetrahydrofuran	7.18	42	369	0.276	ug/l #	34
31) Cyclohexane	7.61	56	8339	Below Cal	#	61
36) 1,1-Dichloropropene	7.63	75	25146	4.967	ug/l #	49
37) Ethyl Acetate	6.90	43	108	0.403	ug/l #	65
38) Carbon Tetrachloride	7.63	117	27804	5.415	ug/l #	16
49) 1,4-Dioxane	9.01	88	63	1.094	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	128090	32.549	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	128090	78.671	ug/l #	10
95) Naphthalene	15.12	128	3336	0.289	ug/l #	77

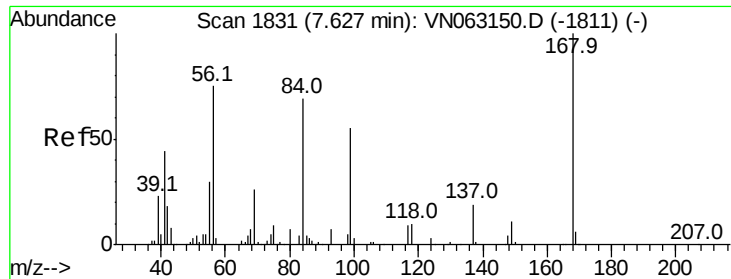
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090420\
Data File : VN063243.D
Acq On : 4 Sep 2020 13:25
Operator : JC/MD
Sample : L3923-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-898-900

Quant Time: Sep 05 07:29:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

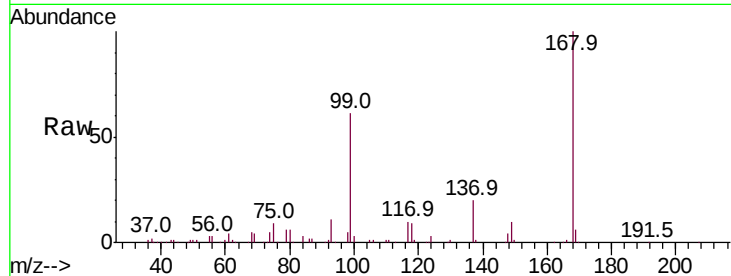
BP-VPB181-GW-898-900

Tot Ion:168 Resp: 268490

Ion Ratio Lower Upper

168 100

99 61.5 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063150.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063150.D (-1811) (-)

7.63

120000

100000

80000

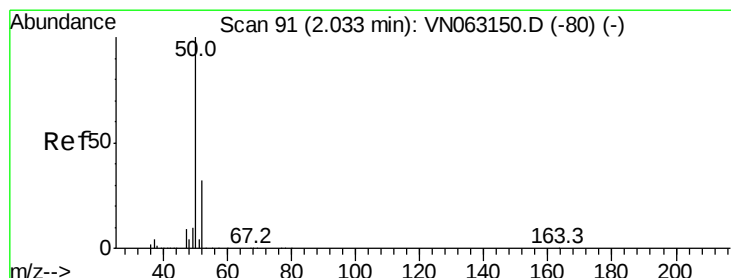
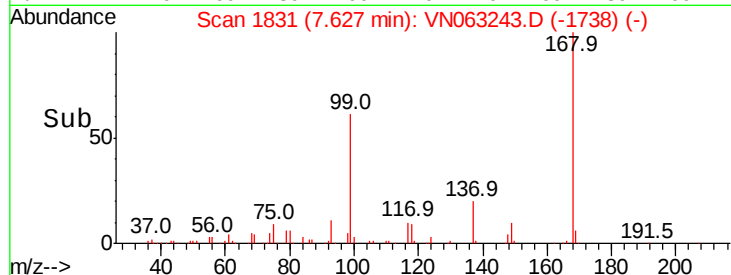
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.585 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063243.D

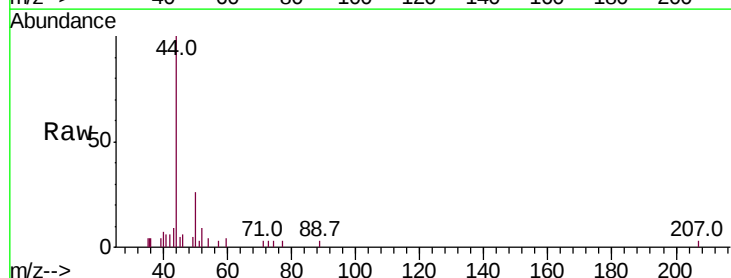
Acq: 4 Sep 2020 13:25

Tgt Ion: 50 Resp: 2254

Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN063243.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063243.D (-1) (-)

2.04

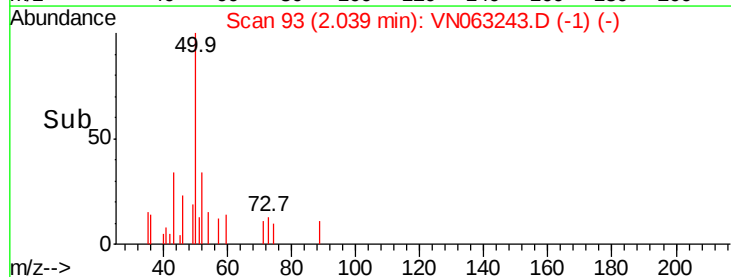
1500

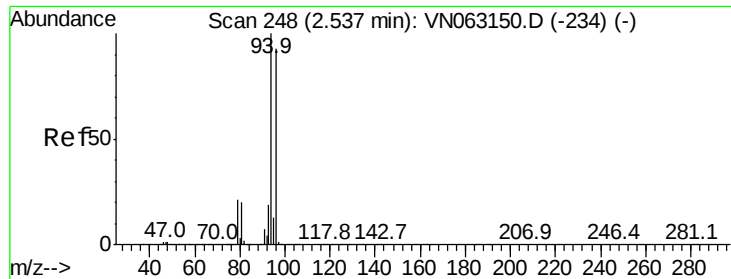
1000

500

0

Time--> 2.00 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.451 ug/l

RT: 2.55 min Scan# 253

Delta R.T. 0.02 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

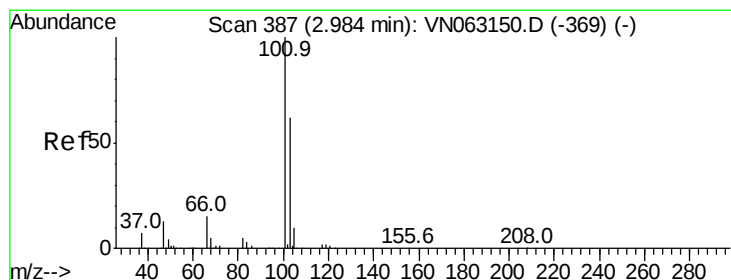
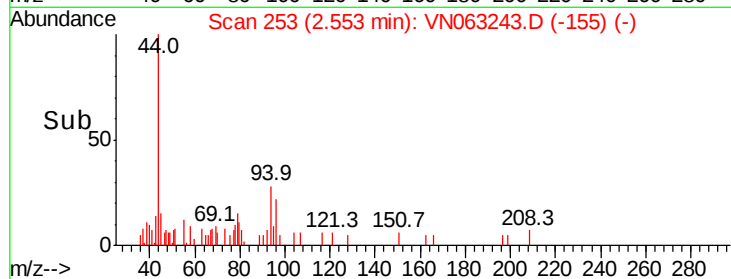
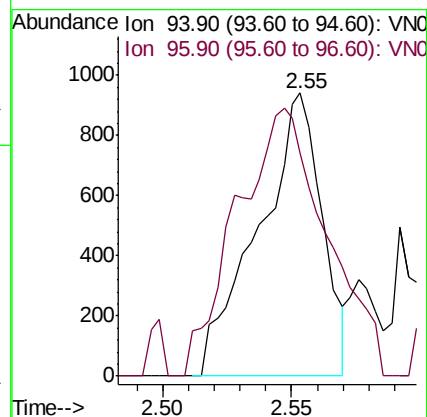
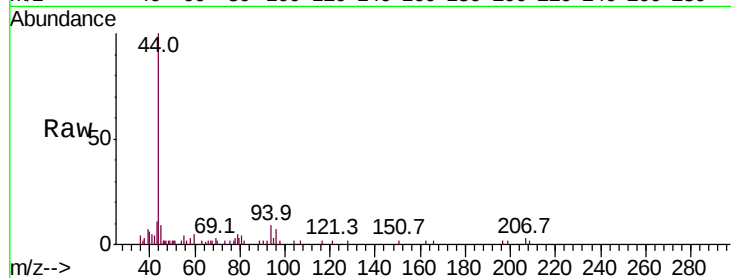
BP-VPB181-GW-898-900

Tot Ion: 94 Resp: 1614

Ion Ratio Lower Upper

94 100

96 62.7 74.4 111.6#



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.95 min Scan# 375

Delta R.T. -0.04 min

Lab File: VN063243.D

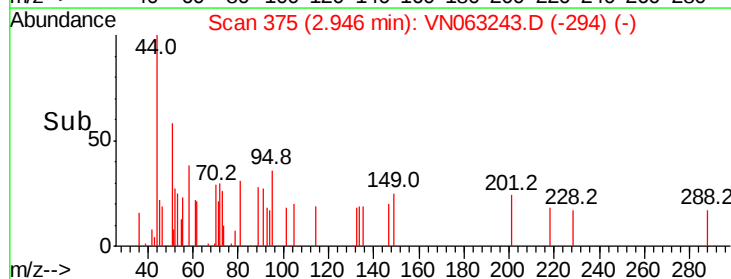
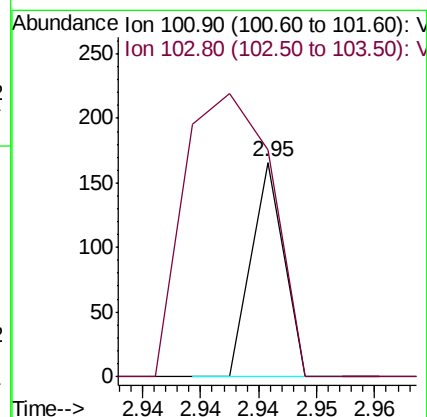
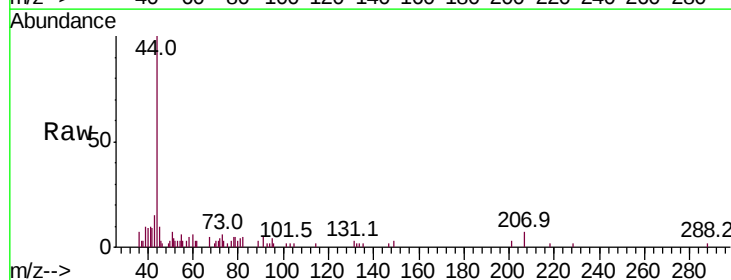
Acq: 4 Sep 2020 13:25

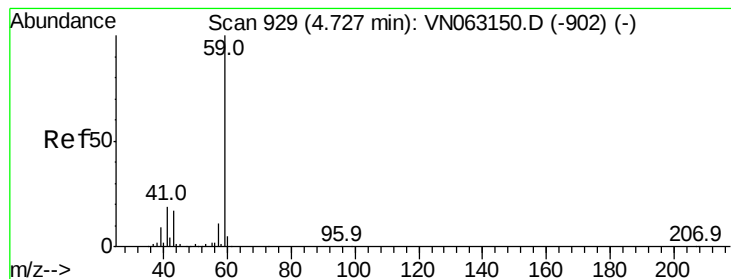
Tgt Ion: 101 Resp: 32

Ion Ratio Lower Upper

101 100

103 106.0 49.7 74.5#



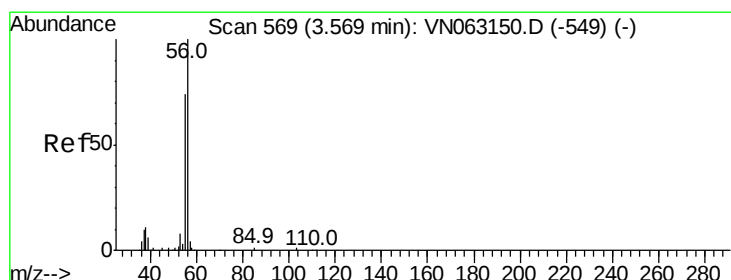
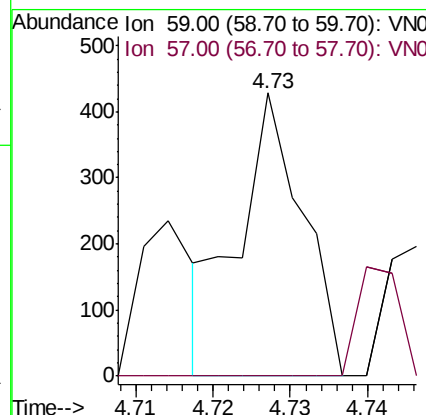
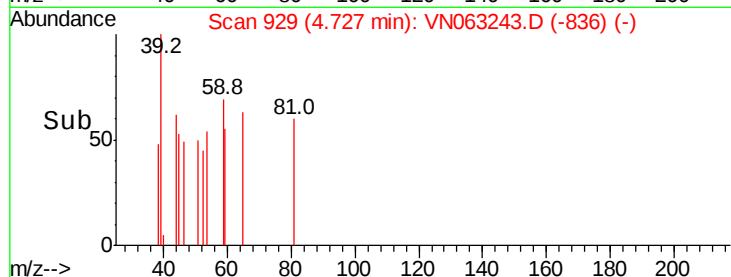
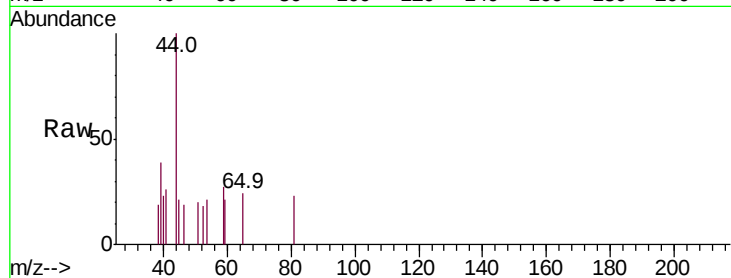


#11

Tert butyl alcohol
Concen: 0.457 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063243.D
Acq: 4 Sep 2020 13:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-898-900

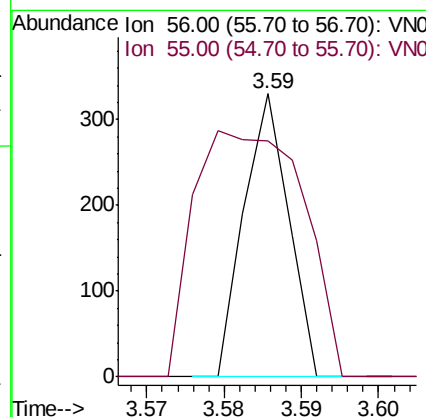
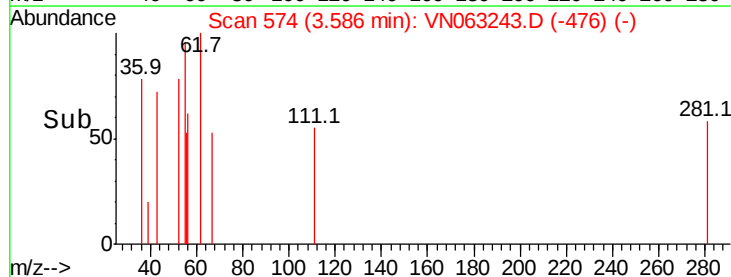
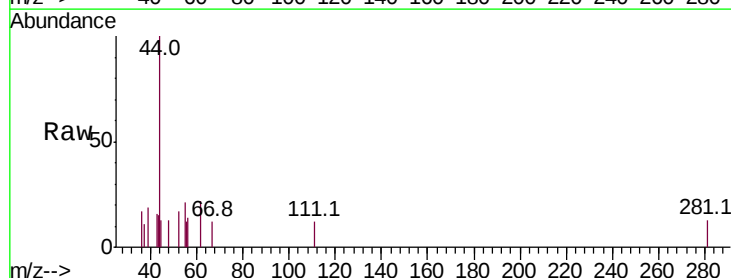
Tot Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

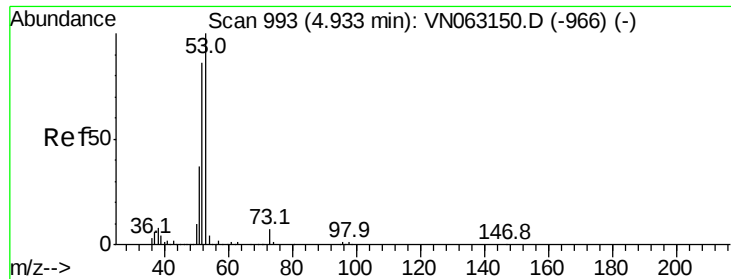


#13

Acrolein
Concen: 16.372 ug/l
RT: 3.59 min Scan# 574
Delta R.T. 0.02 min
Lab File: VN063243.D
Acq: 4 Sep 2020 13:25

Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 213.6 55.4 83.0#

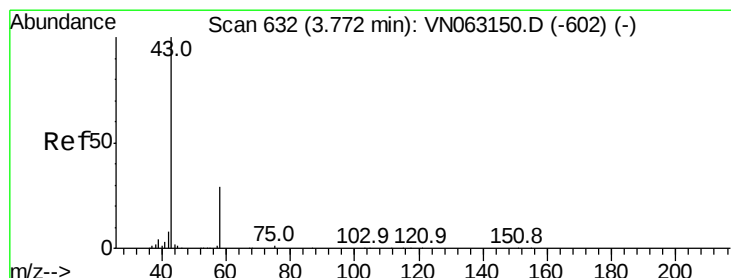
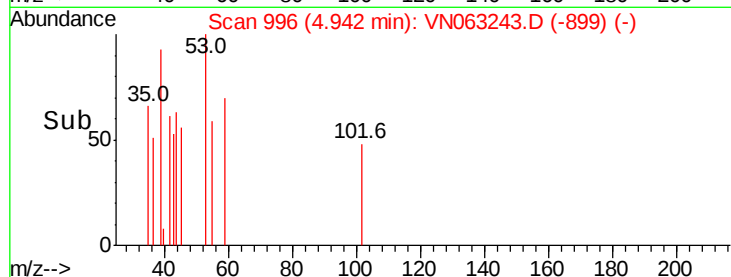
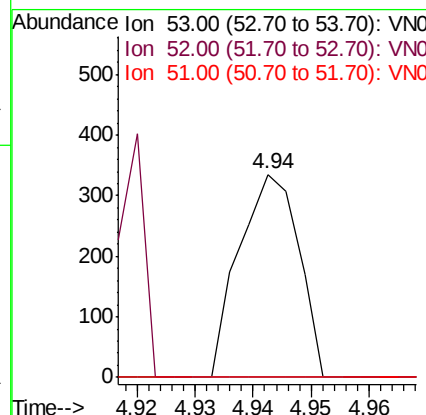
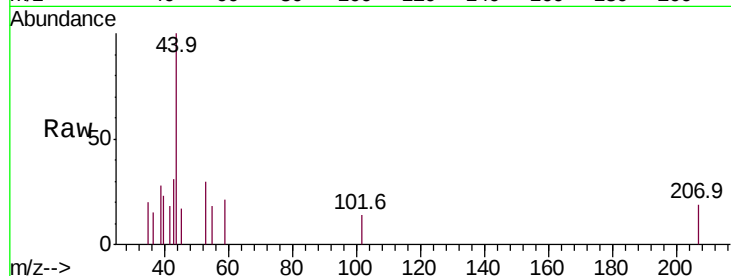




#15
 Acrylonitrile
 Concen: 2.561 ug/l
 RT: 4.94 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VN063243.D
 Acq: 4 Sep 2020 13:25

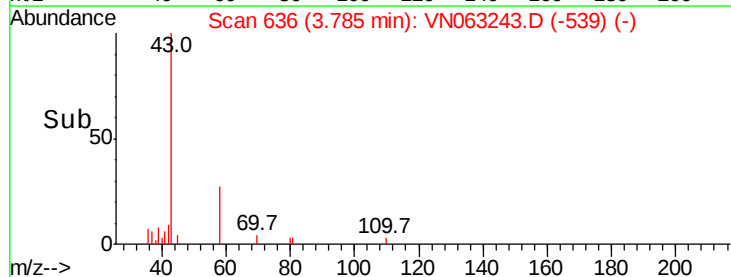
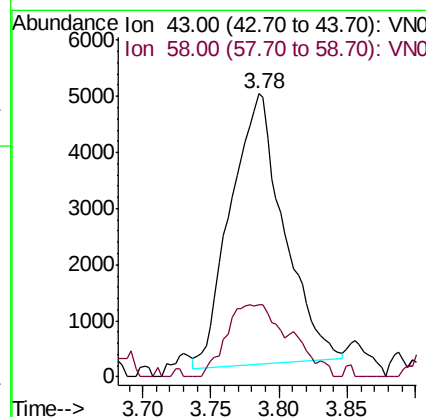
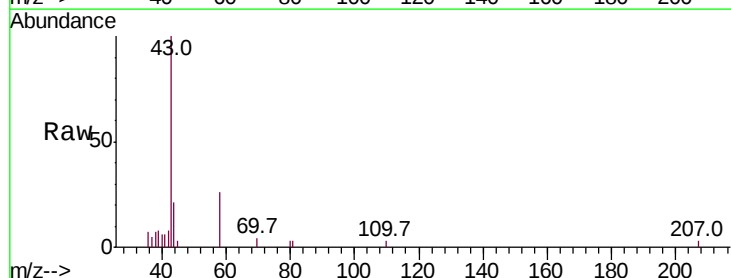
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-898-900

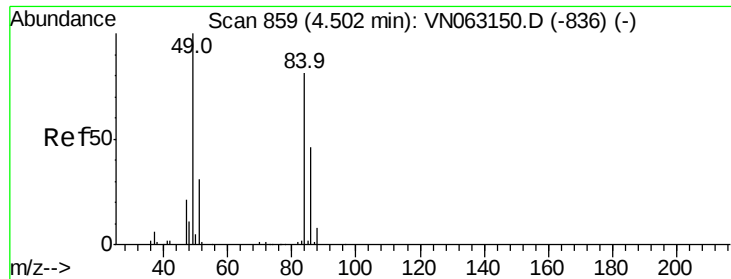
Tot Ion: 53 Resp: 239
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.2 100.8#
 51 0.0 30.2 45.4#



#16
 Acetone
 Concen: 10.485 ug/l
 RT: 3.78 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VN063243.D
 Acq: 4 Sep 2020 13:25

Tgt Ion: 43 Resp: 13082
 Ion Ratio Lower Upper
 43 100
 58 27.3 23.1 34.7

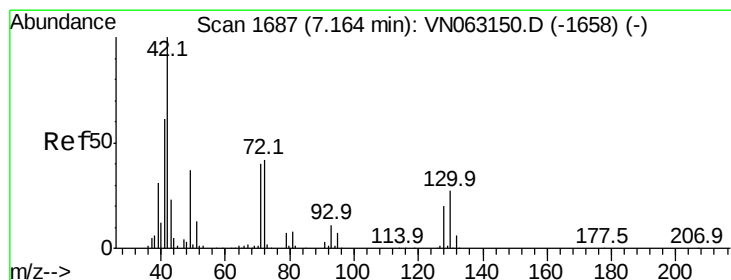
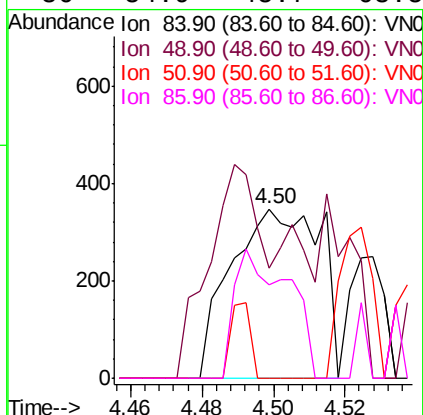
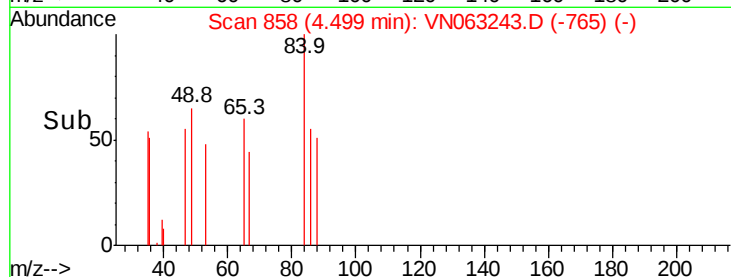
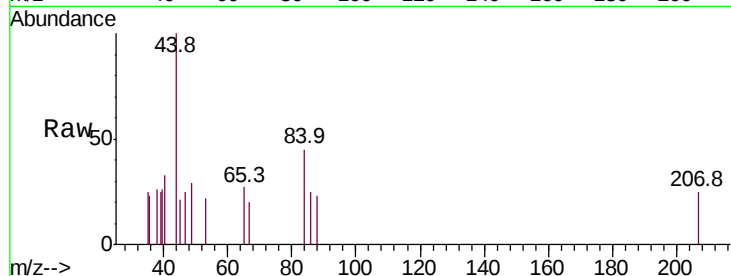




#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063243.D
Acq: 4 Sep 2020 13:25

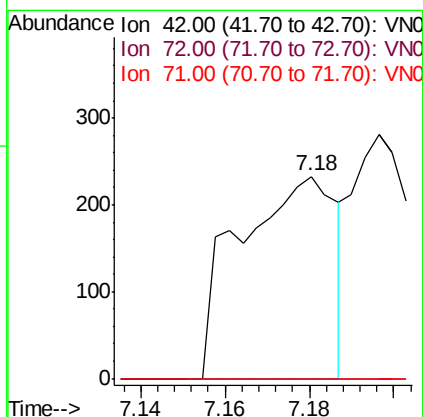
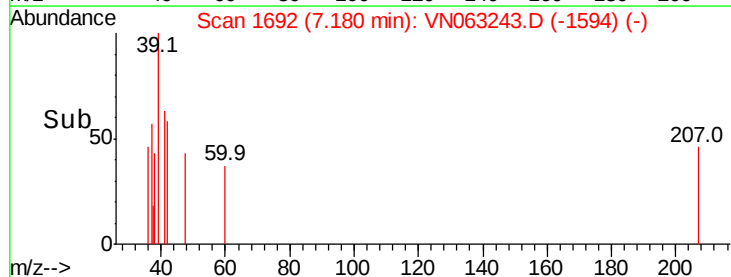
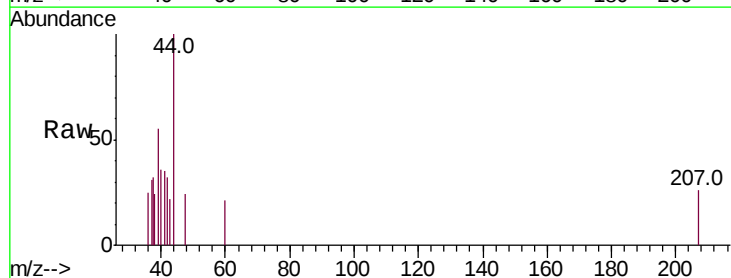
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-898-900

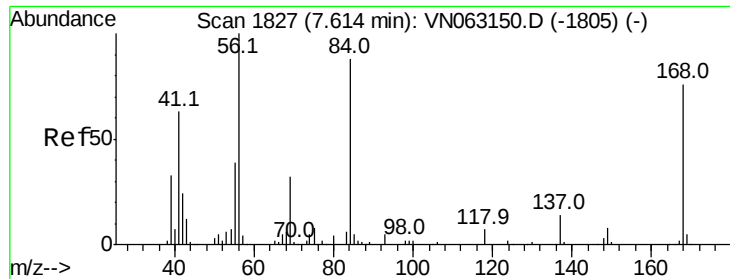
Tot Ion: 84 Resp: 601
Ion Ratio Lower Upper
84 100
49 17.8 98.4 147.6#
51 0.0 30.4 45.6#
86 54.9 45.7 68.5



#29
Tetrahydrofuran
Concen: 0.276 ug/l
RT: 7.18 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VN063243.D
Acq: 4 Sep 2020 13:25

Tgt Ion: 42 Resp: 369
Ion Ratio Lower Upper
42 100
72 0.0 33.9 50.9#
71 0.0 31.9 47.9#

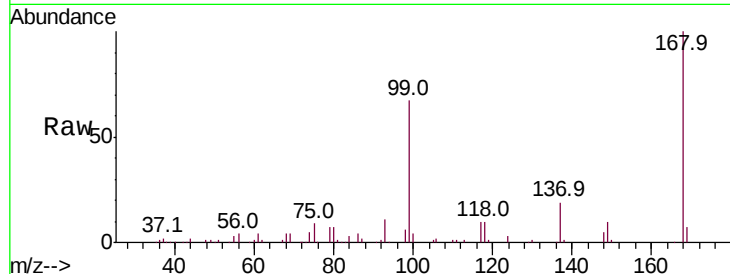




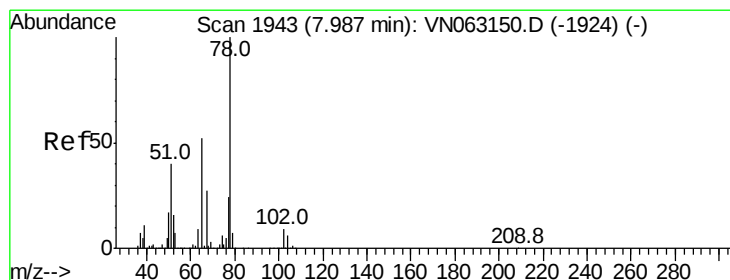
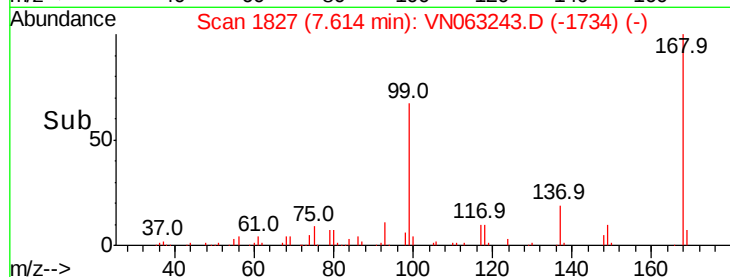
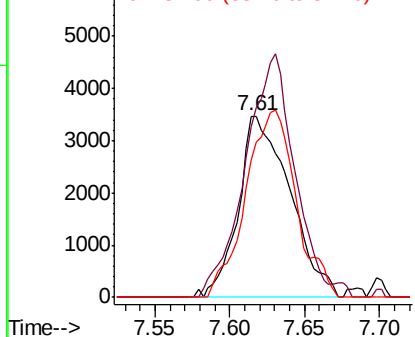
#31
Cyclohexane
Concen: Below Cal
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063243.D
Acq: 4 Sep 2020 13:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-898-900

Tot Ion: 56 Resp: 8339
Ion Ratio Lower Upper
56 100
69 94.1 25.4 38.0#
84 76.0 70.2 105.4

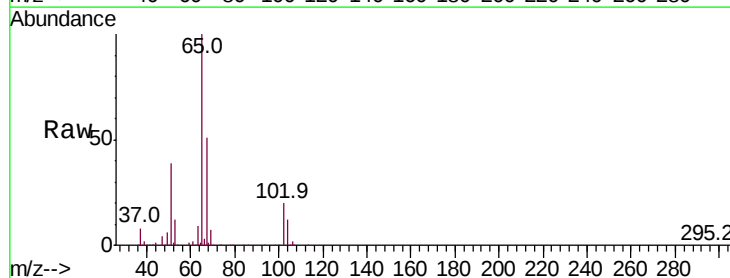


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

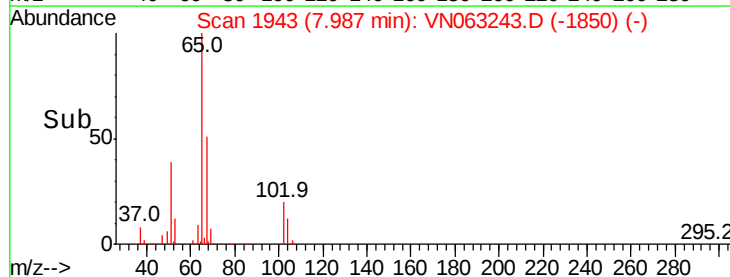
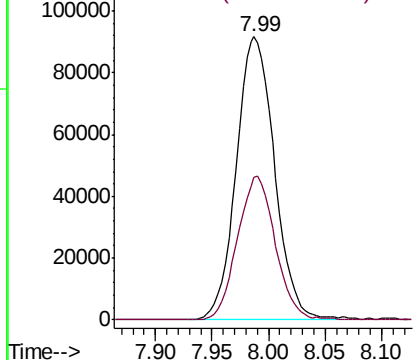


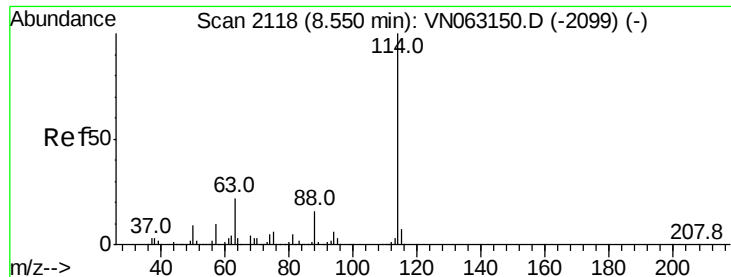
#33
1,2-Dichloroethane-d4
Concen: 49.056 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063243.D
Acq: 4 Sep 2020 13:25

Tgt Ion: 65 Resp: 215310
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.4



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

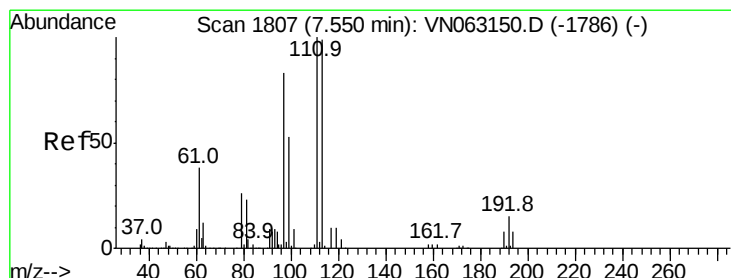
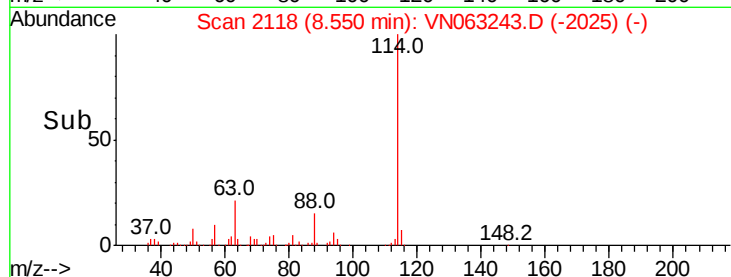
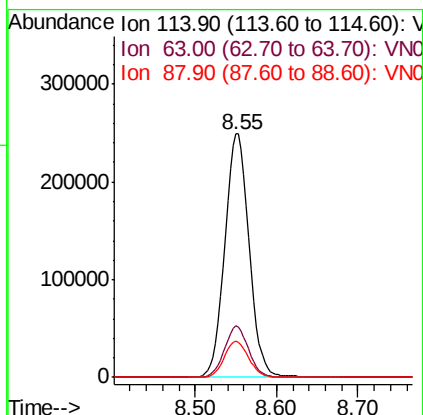
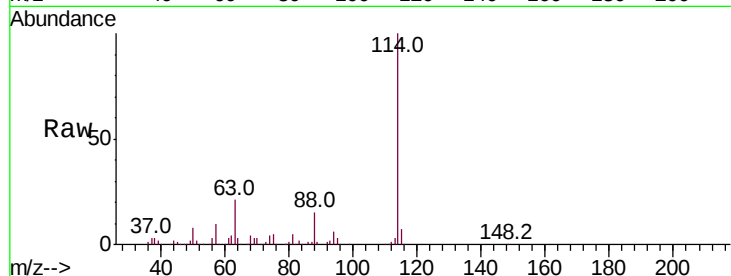




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063243.D
 Acq: 4 Sep 2020 13:25

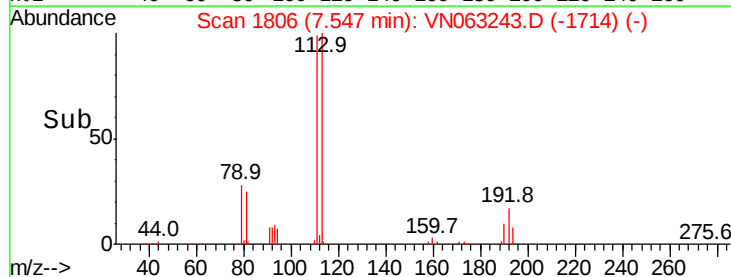
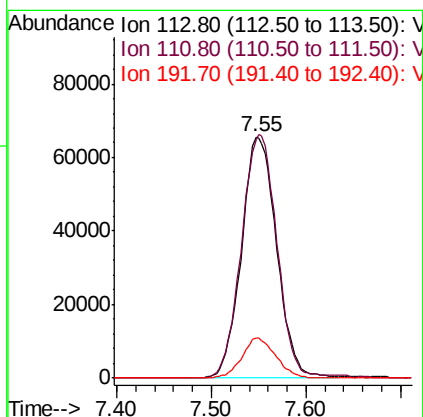
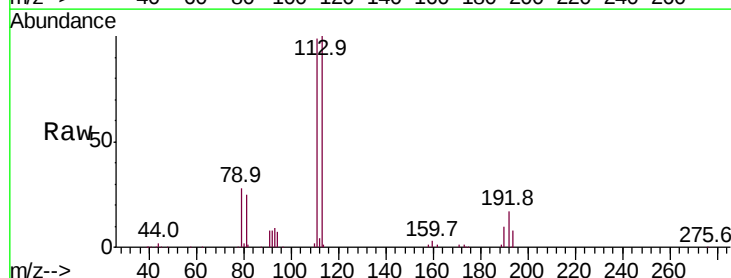
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-898-900

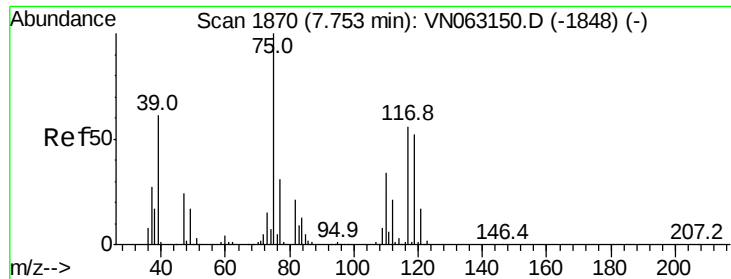
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	14.7	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 50.108 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063243.D
 Acq: 4 Sep 2020 13:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.7	121.1
192	16.1	12.6	19.0





#36

1,1-Dichloropropene

Concen: 4.967 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-898-900

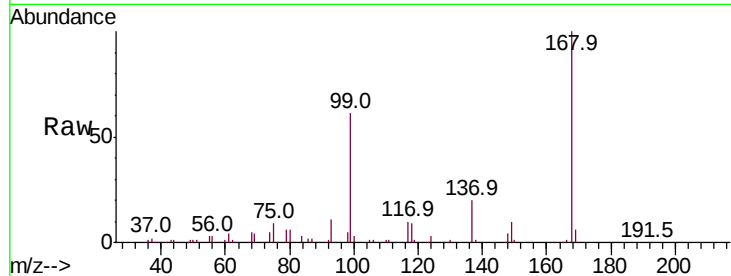
Tot Ion: 75 Resp: 25146

Ion Ratio Lower Upper

75 100

110 7.9 16.6 49.8#

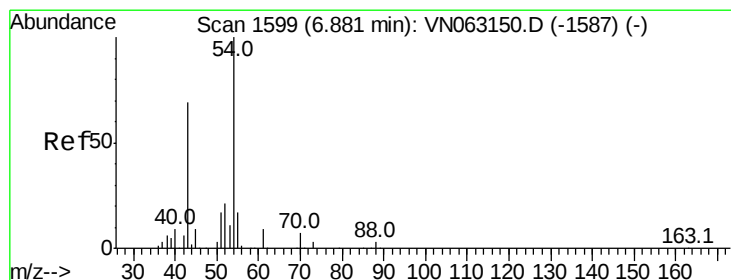
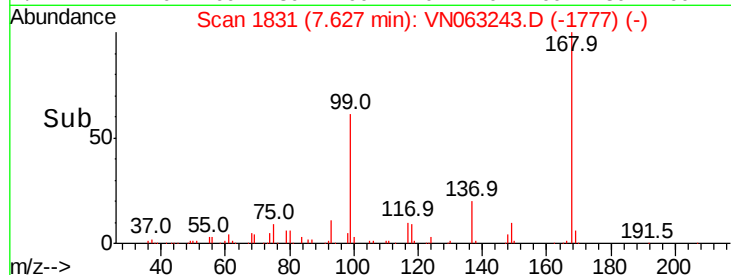
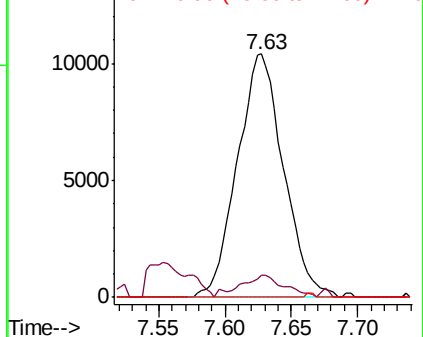
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.403 ug/l

RT: 6.90 min Scan# 1605

Delta R.T. 0.02 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

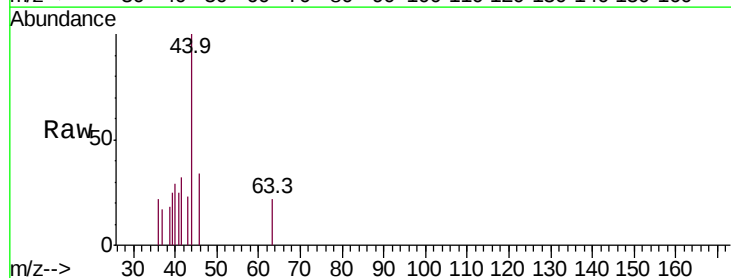
Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

61 29.6 10.2 15.4#

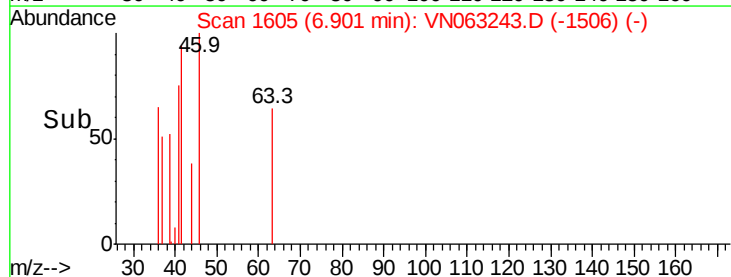
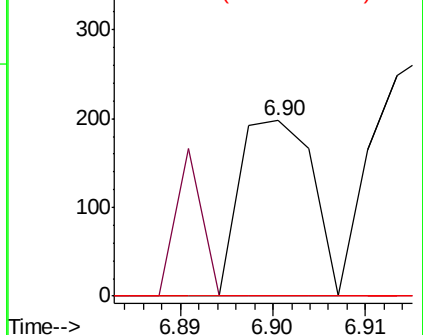
70 0.0 3.0 4.6#

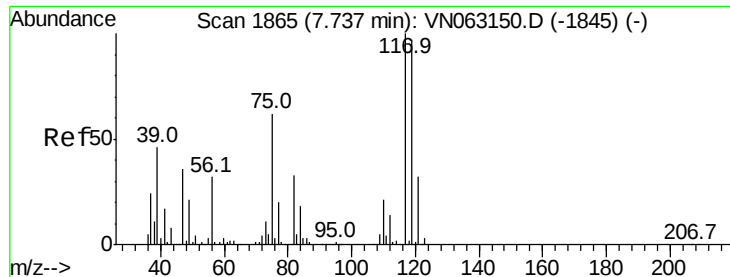


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.415 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-898-900

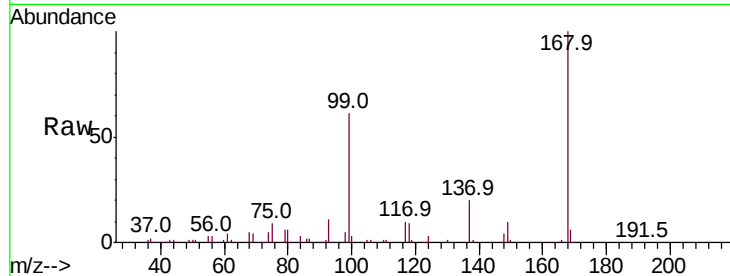
Tot Ion:117 Resp: 27804

Ion Ratio Lower Upper

117 100

119 5.5 77.2 115.8#

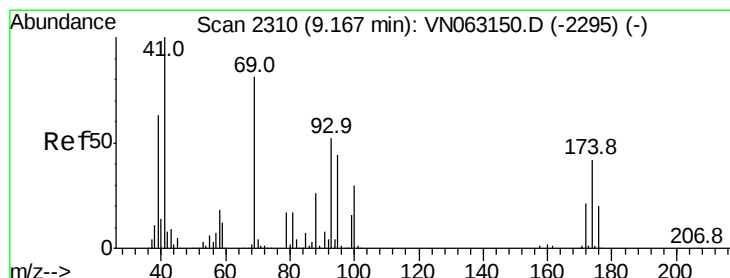
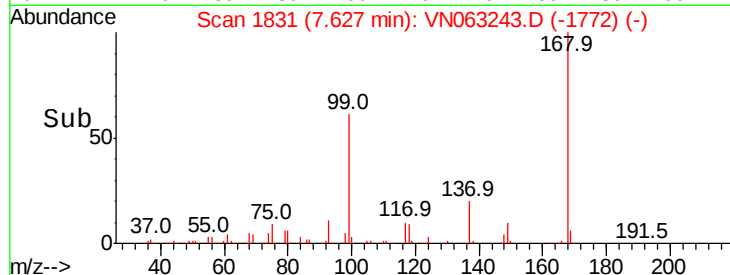
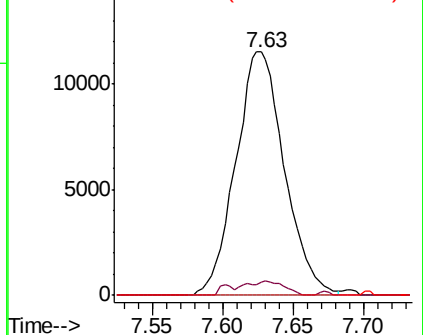
121 0.0 25.6 38.4#



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: 1.094 ug/l

RT: 9.01 min Scan# 2260

Delta R.T. -0.16 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

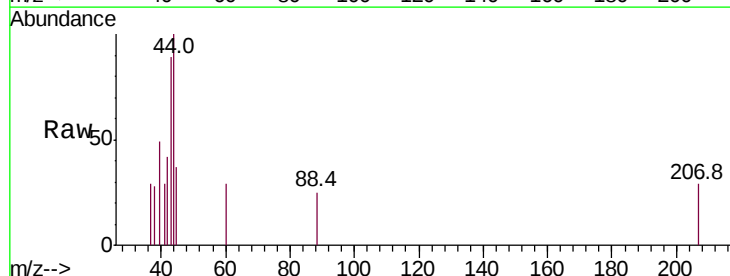
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 565.1 28.6 42.8#

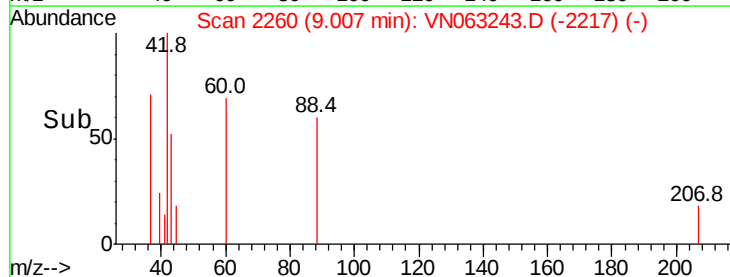
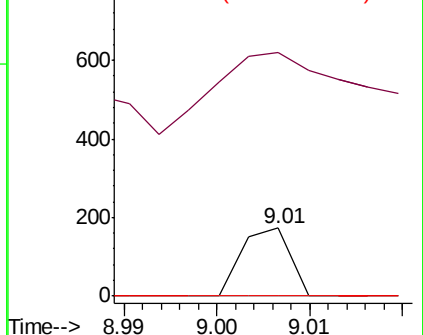
58 0.0 53.2 79.8#

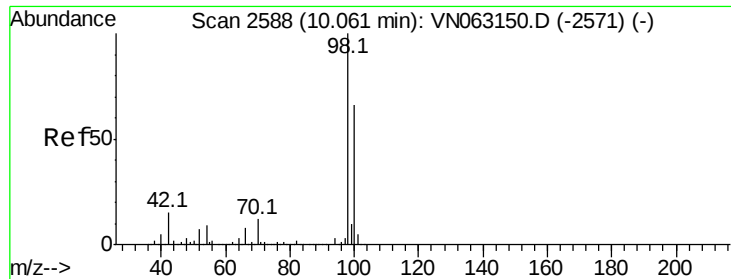


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 51.133 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

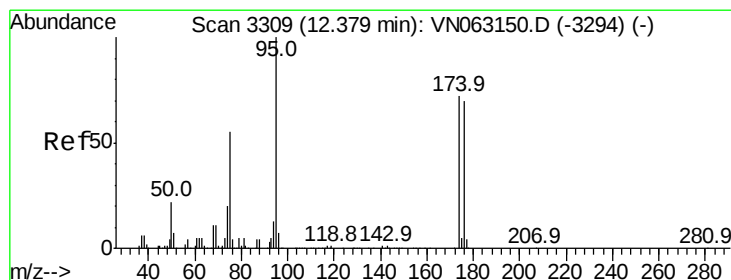
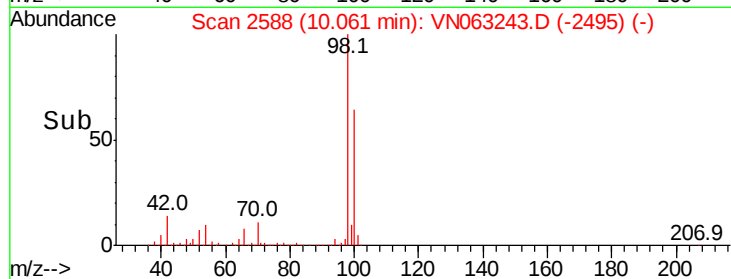
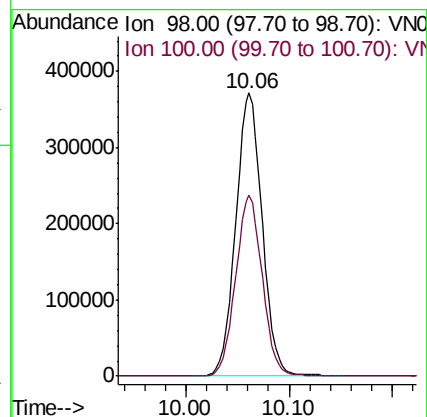
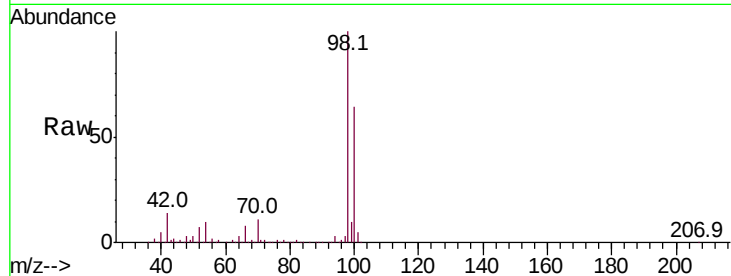
BP-VPB181-GW-898-900

Tot Ion: 98 Resp: 664942

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.535 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

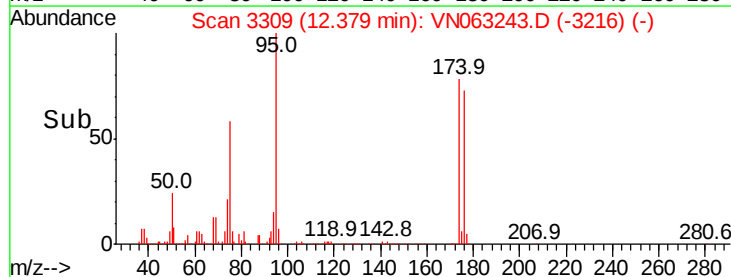
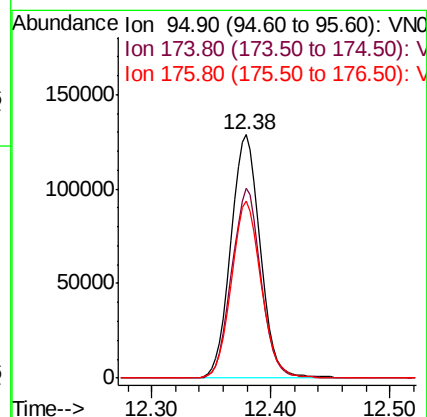
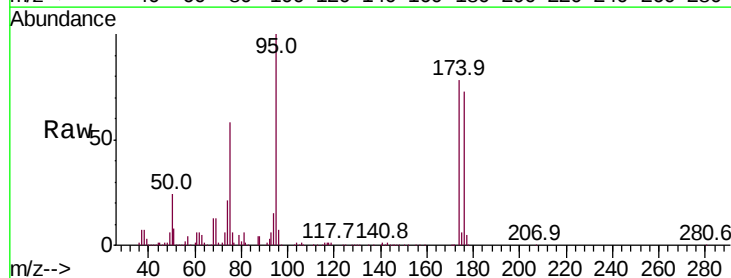
Tgt Ion: 95 Resp: 220780

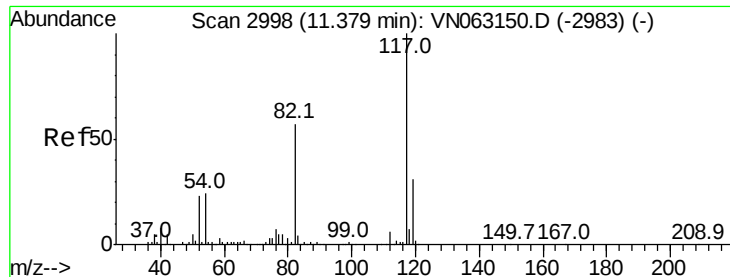
Ion Ratio Lower Upper

95 100

174 77.5 0.0 143.8

176 73.4 0.0 138.4

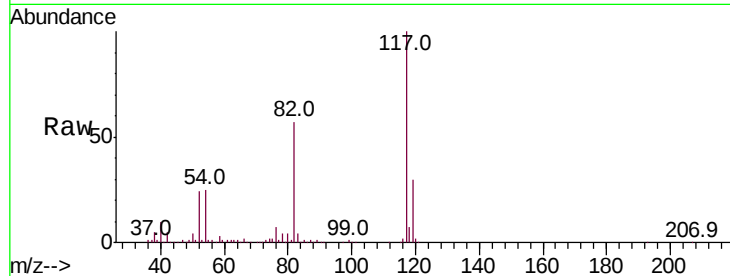




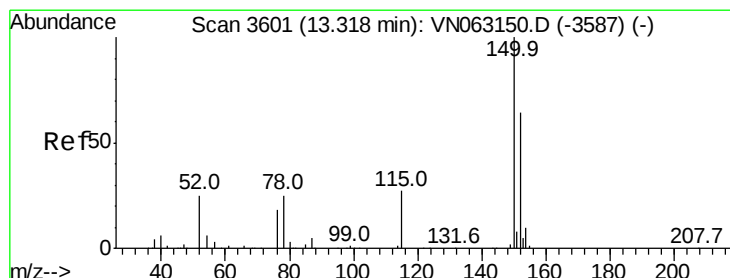
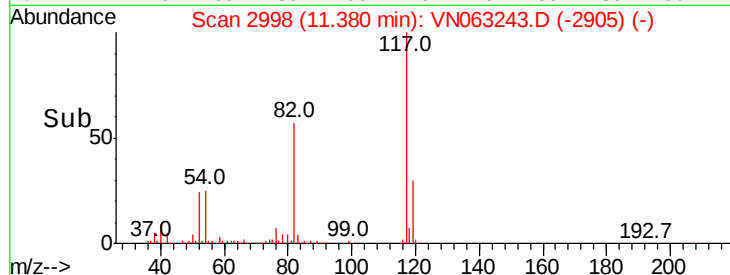
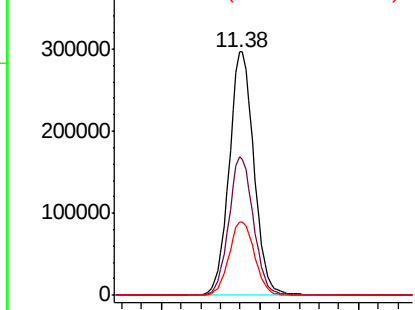
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063243.D
Acq: 4 Sep 2020 13:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-898-900

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.0
119	30.1	24.6	37.0

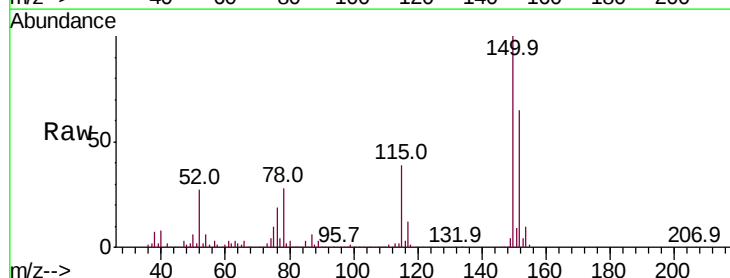


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

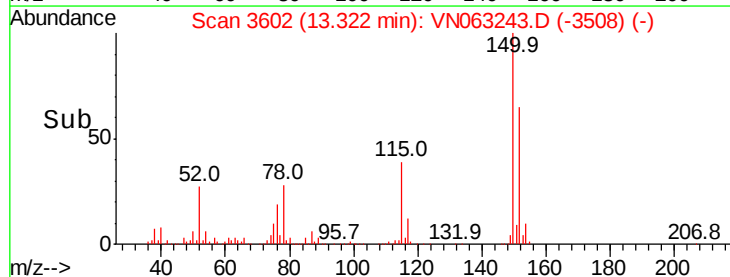
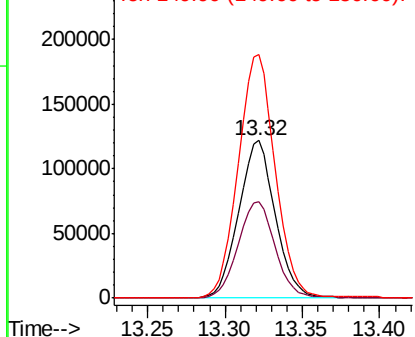


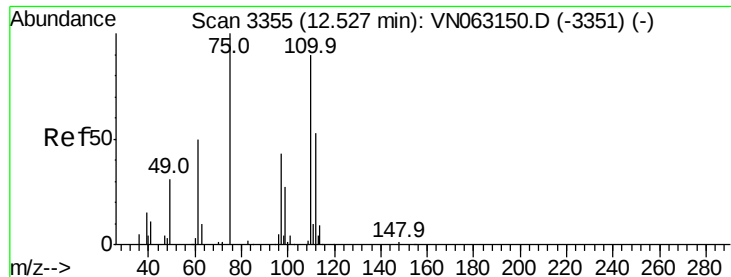
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3602
Delta R.T. 0.00 min
Lab File: VN063243.D
Acq: 4 Sep 2020 13:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	32.0	96.2
150	156.3	0.0	353.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.549 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

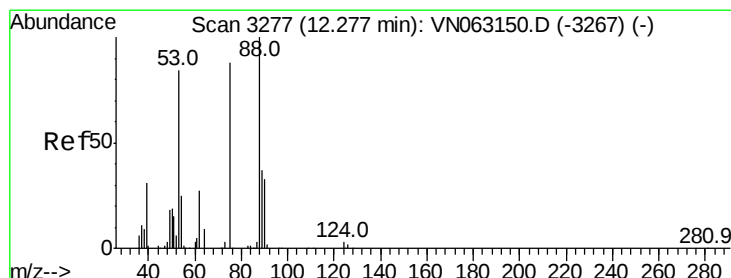
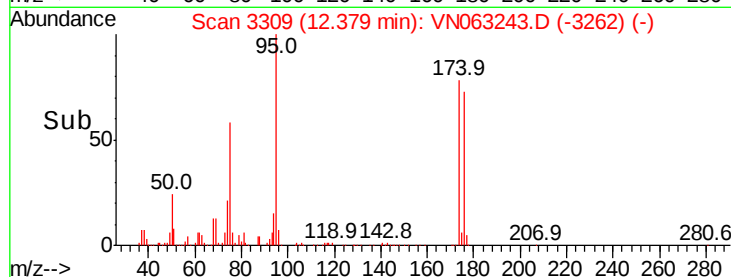
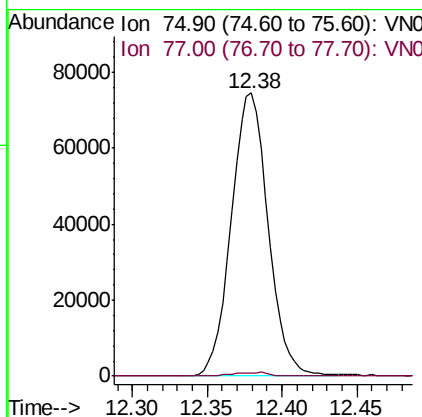
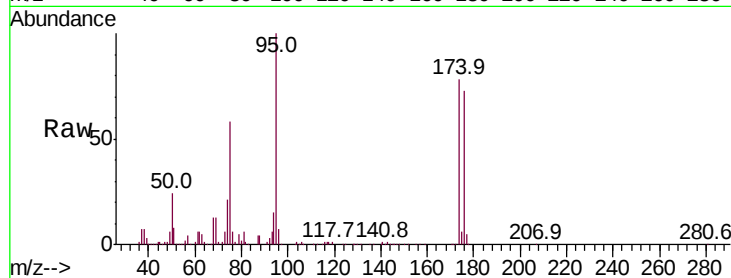
BP-VPB181-GW-898-900

Tot Ion: 75 Resp: 128090

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.671 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063243.D

Acq: 4 Sep 2020 13:25

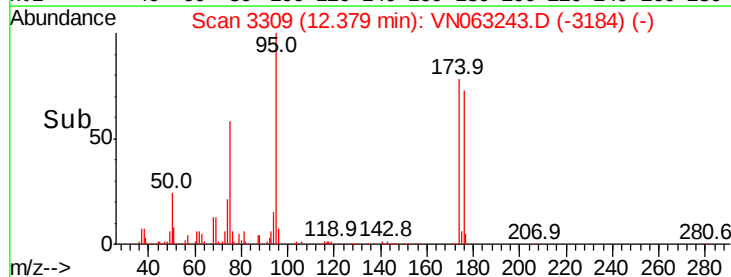
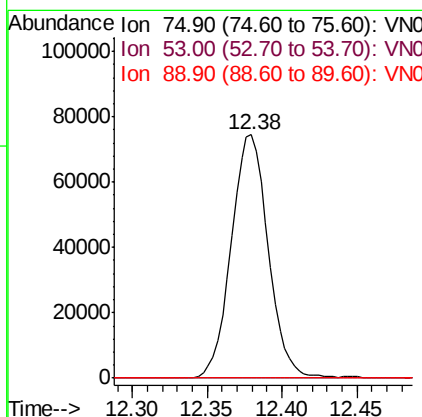
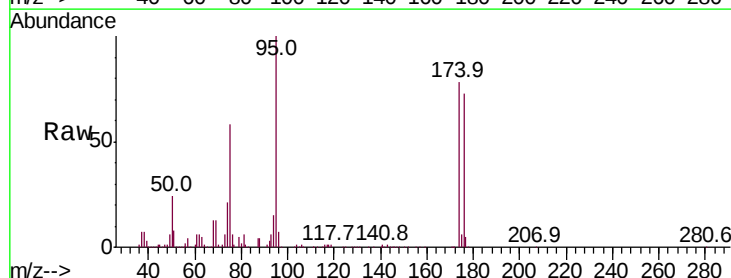
Tgt Ion: 75 Resp: 128090

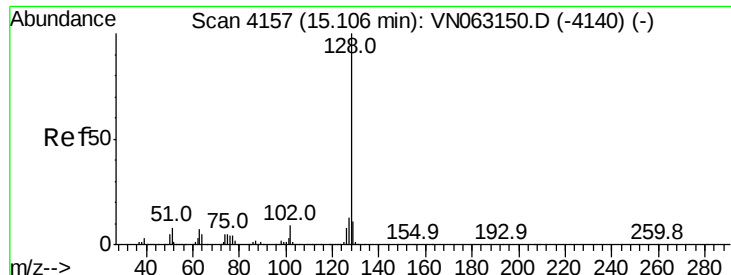
Ion Ratio Lower Upper

75 100

53 0.1 78.7 118.1#

89 0.1 35.3 52.9#





#95

Naphthalene

Concen: 0.289 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.01 min

Lab File: VN063243.D

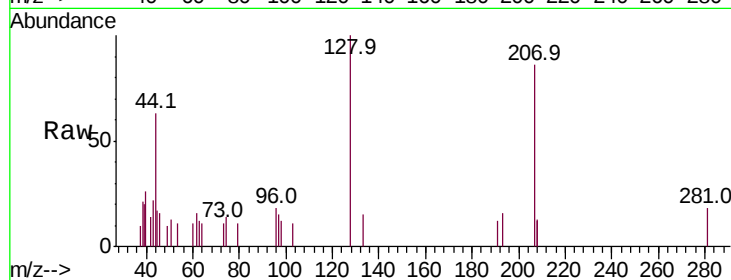
Acq: 4 Sep 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-898-900



Tot Ion:128 Resp: 3336

Ion Ratio Lower Upper

128 100

127 2.1 10.5 15.7#

129 4.5 8.6 13.0#

