

Data File : VX011309.D
Acq On : 02 Aug 2019 16:53
Operator : JC/SP
Sample : K4145-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-678-680

Quant Time: Aug 03 05:44:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	135119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	219591	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	207539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95719	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	74211	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
35) Dibromofluoromethane	5.49	113	69760	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	8.71	98	266386	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	89411	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	

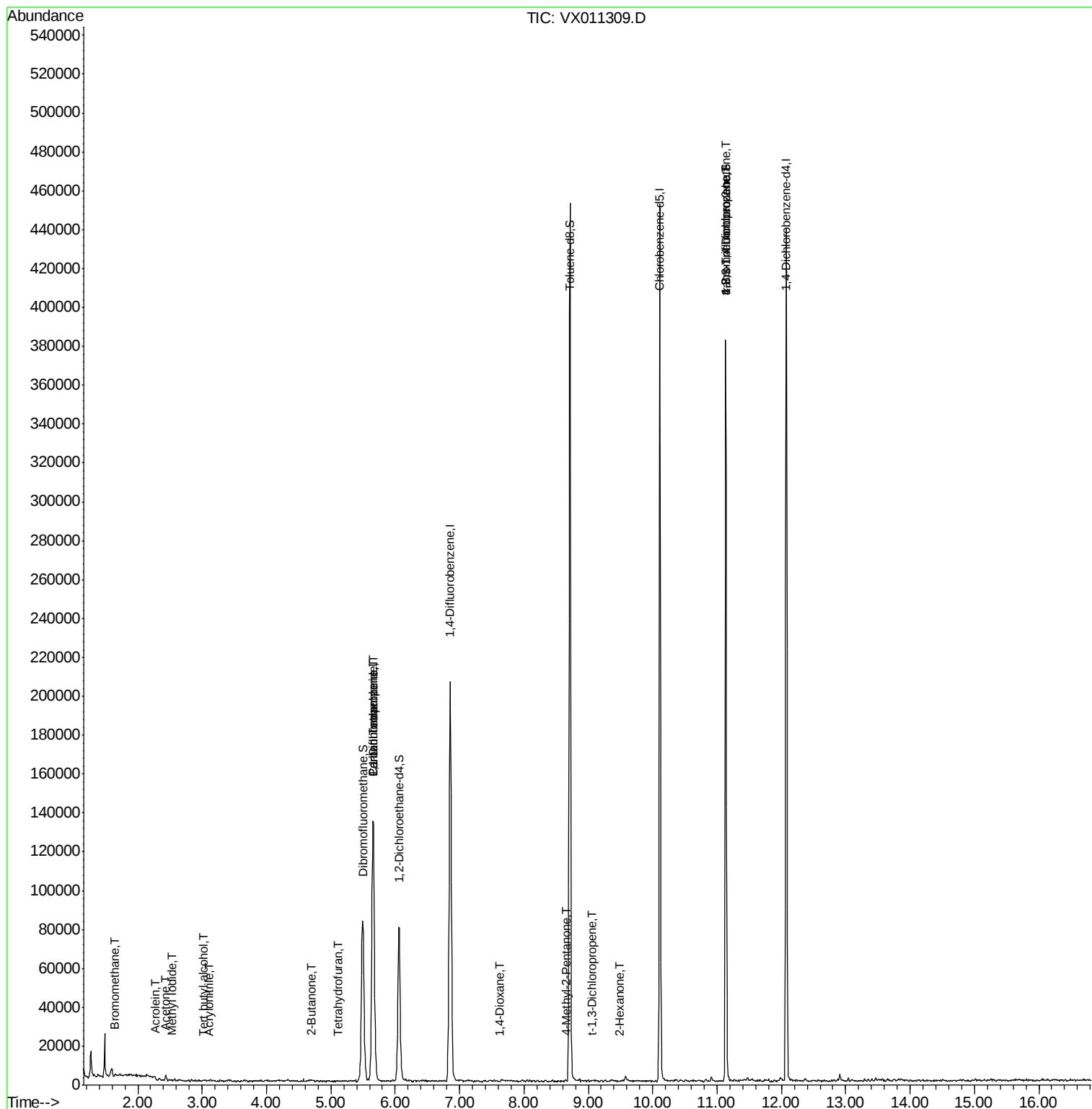
Target Compounds			Qvalue			
5) Bromomethane	1.65	94	457	0.497	ug/l	99
6) Chloroethane	1.70	64	734	Below Cal		96
10) Methyl Iodide	2.52	142	319	0.204	ug/l #	75
11) Tert butyl alcohol	3.03	59	49	0.203	ug/l #	1
13) Acrolein	2.28	56	190	0.706	ug/l	96
15) Acrylonitrile	3.12	53	231	0.357	ug/l #	43
16) Acetone	2.43	43	2419	3.735	ug/l	93
25) 2-Butanone	4.70	43	1116	1.211	ug/l #	88
29) Tetrahydrofuran	5.12	42	276	0.489	ug/l #	35
36) 1,1-Dichloropropene	5.66	75	8838	4.610	ug/l #	50
38) Carbon Tetrachloride	5.66	117	12261	6.357	ug/l #	15
49) 1,4-Dioxane	7.63	88	19	0.453	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	463	0.233	ug/l #	73
53) t-1,3-Dichloropropene	9.06	75	60	2.865	ug/l #	43
59) 2-Hexanone	9.50	43	337	0.219	ug/l	85
76) 1,2,3-Trichloropropane	11.13	75	43945	25.210	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	43945	65.749	ug/l #	10

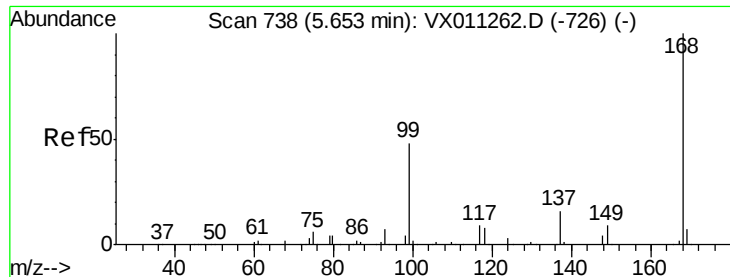
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

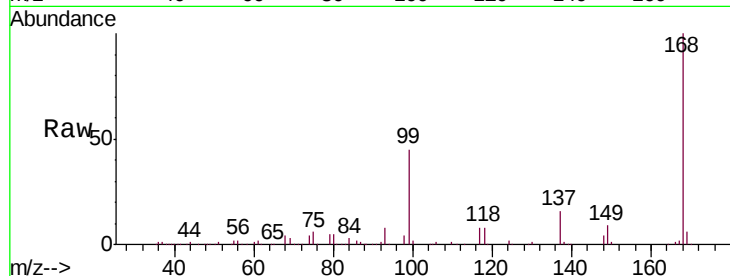
BP-VPB203-GW-678-680

Tgt Ion:168 Resp: 135119

Ion Ratio Lower Upper

168 100

99 45.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

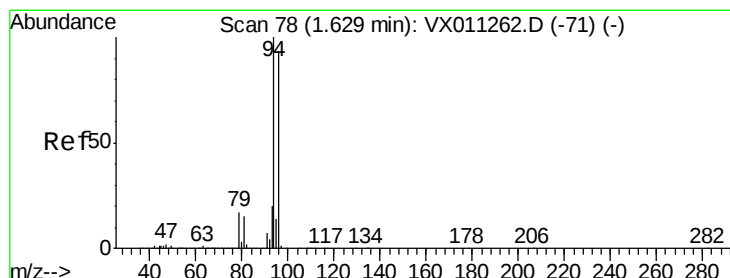
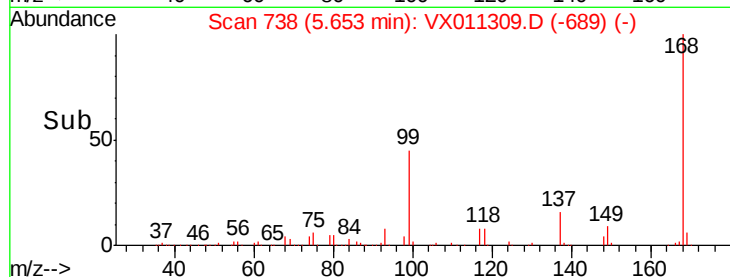
20000

10000

0

Time-->

5.60 5.70



#5

Bromomethane

Concen: 0.497 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011309.D

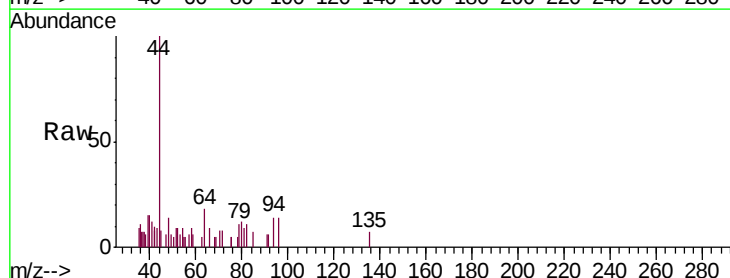
Acq: 02 Aug 2019 16:53

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

94 100

96 94.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

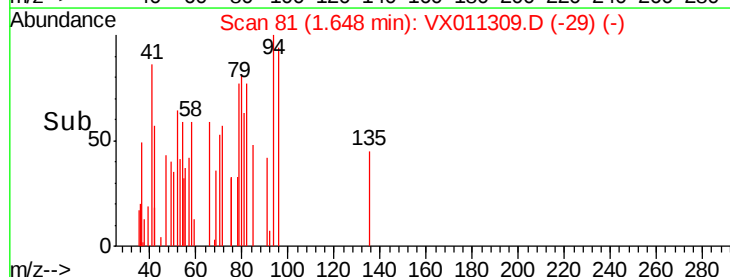
100

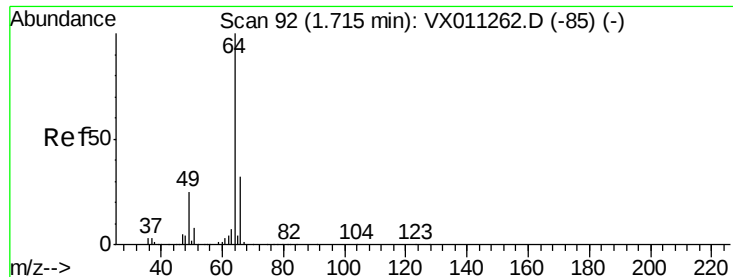
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

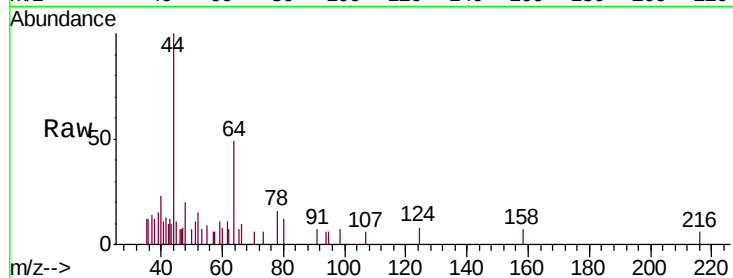
BP-VPB203-GW-678-680

Tgt Ion: 64 Resp: 734

Ion Ratio Lower Upper

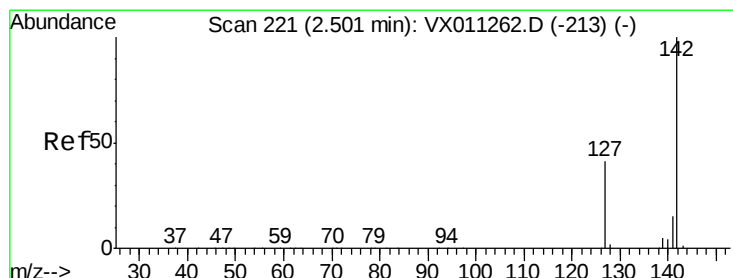
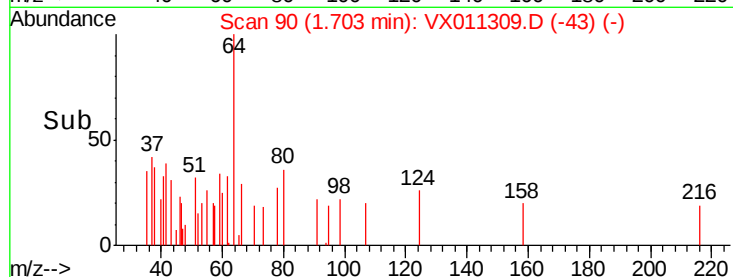
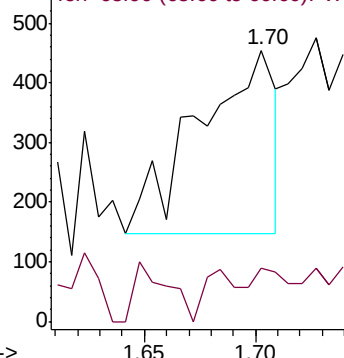
64 100

66 29.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.204 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.02 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

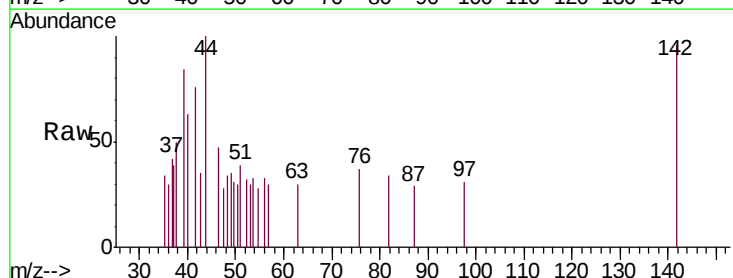
Tgt Ion: 142 Resp: 319

Ion Ratio Lower Upper

142 100

127 28.5 33.8 50.8#

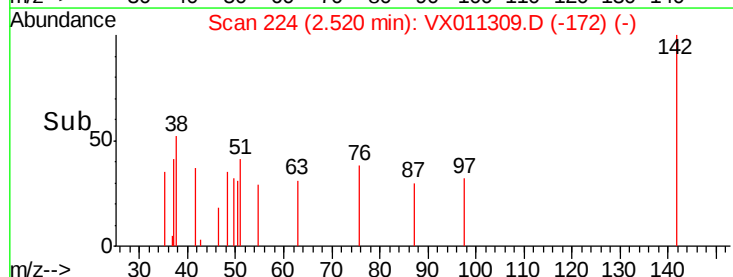
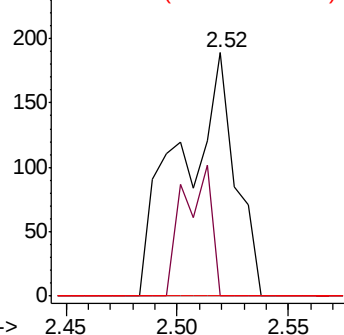
141 0.0 11.4 17.2#

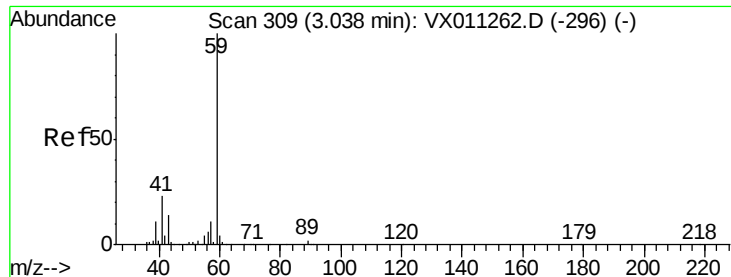


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



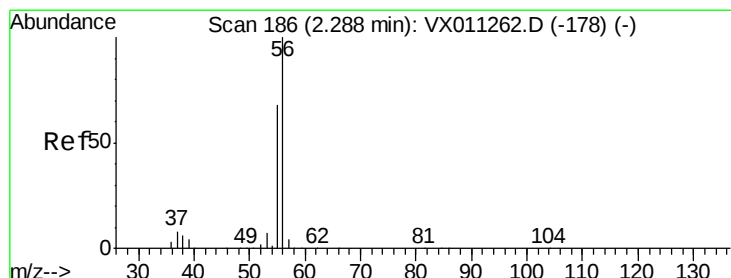
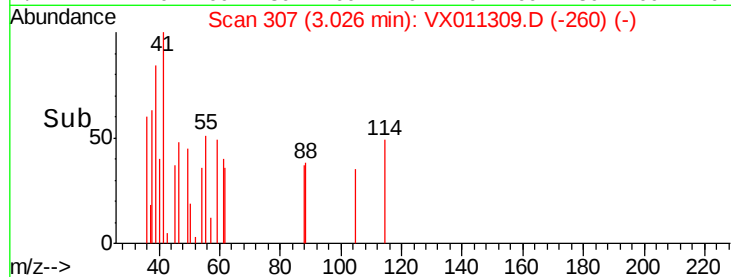
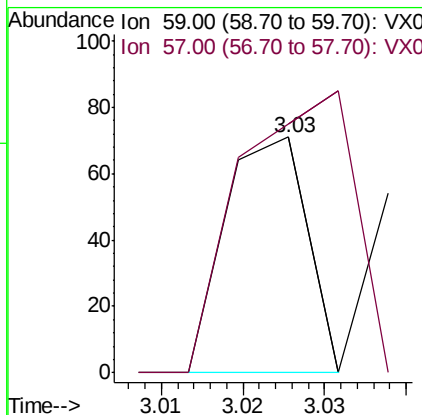
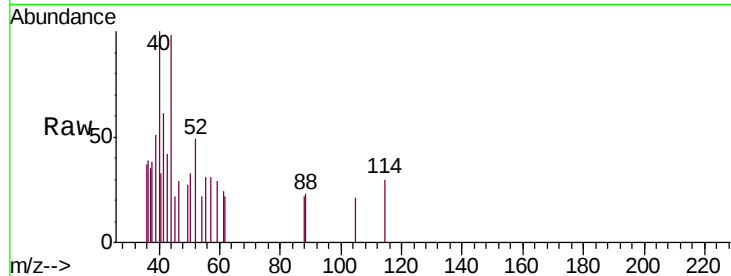


#11

Tert butyl alcohol
Concen: 0.203 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX011309.D
Acq: 02 Aug 2019 16:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-678-680

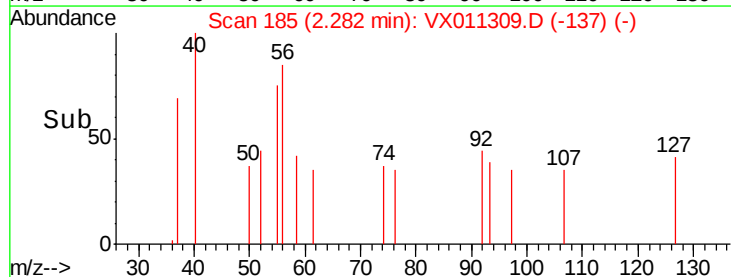
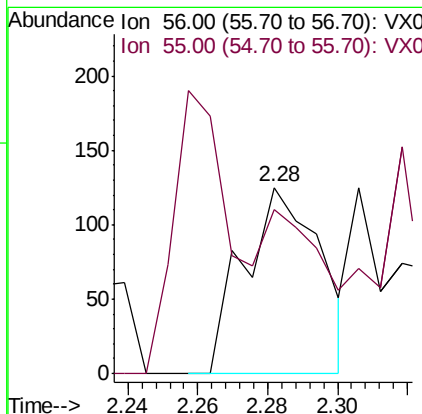
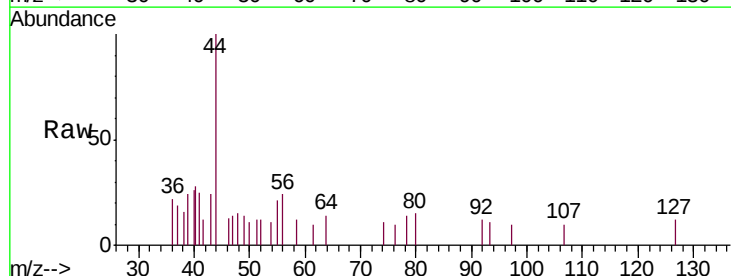
Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 167.3 8.3 12.5#

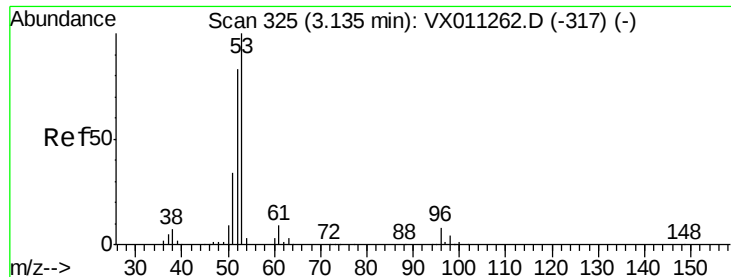


#13

Acrolein
Concen: 0.706 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011309.D
Acq: 02 Aug 2019 16:53

Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 66.8 56.0 84.0





#15

Acrylonitrile

Concen: 0.357 ug/l

RT: 3.12 min Scan# 322

Delta R.T. -0.02 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-678-680

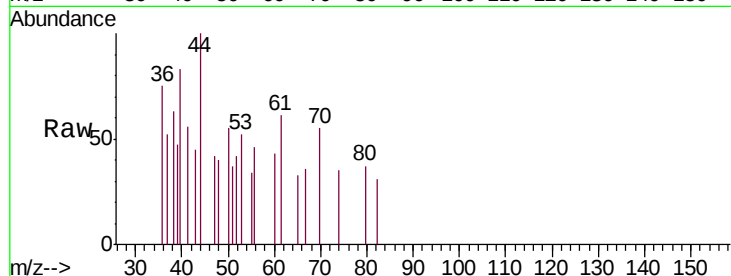
Tgt Ion: 53 Resp: 231

Ion Ratio Lower Upper

53 100

52 19.0 65.5 98.3#

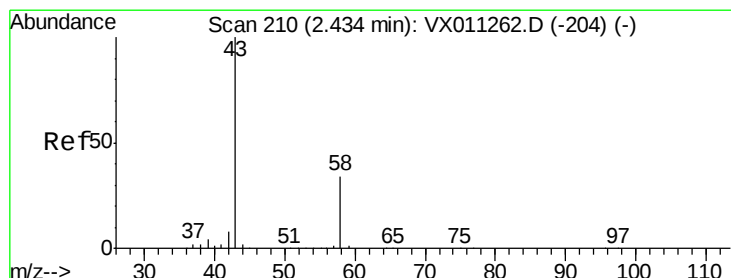
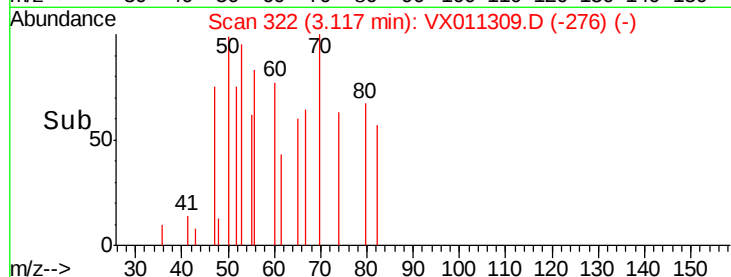
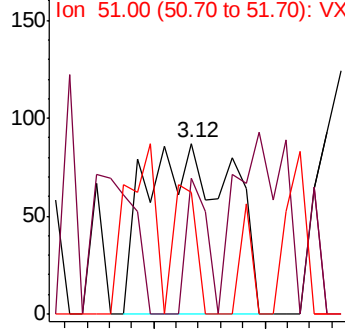
51 20.3 27.9 41.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.735 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011309.D

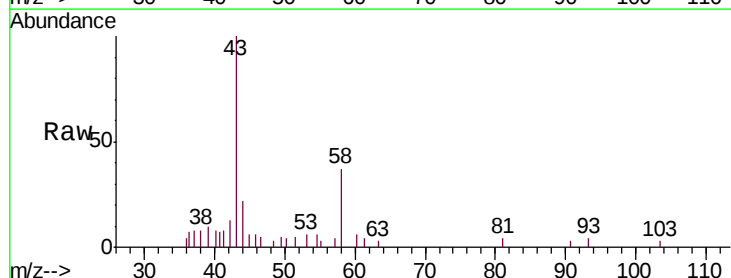
Acq: 02 Aug 2019 16:53

Tgt Ion: 43 Resp: 2419

Ion Ratio Lower Upper

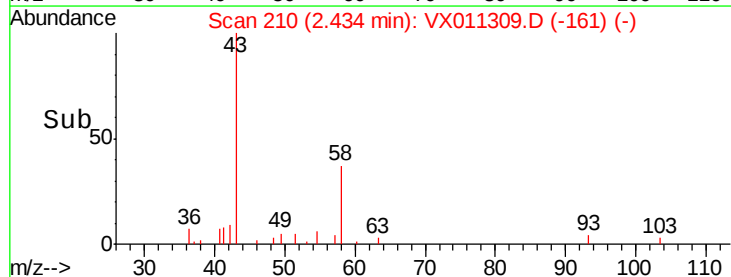
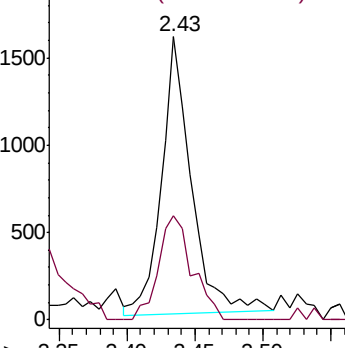
43 100

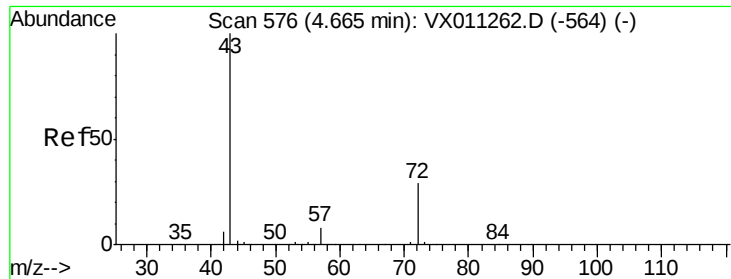
58 38.1 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 1.211 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.03 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

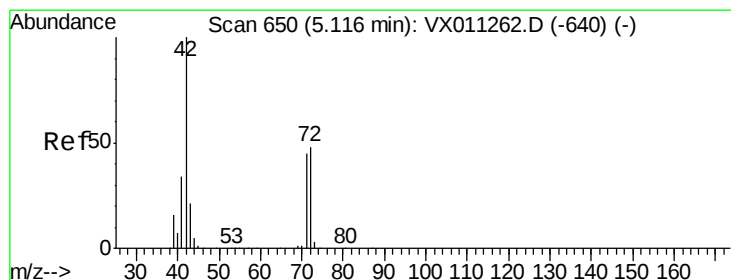
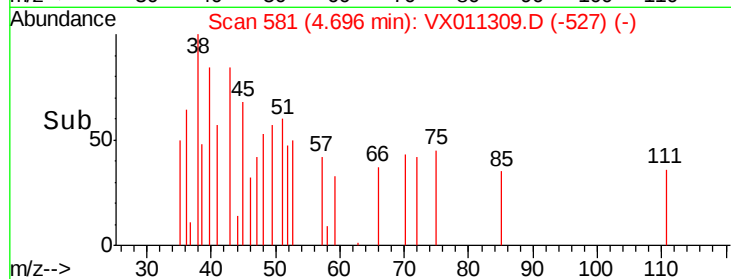
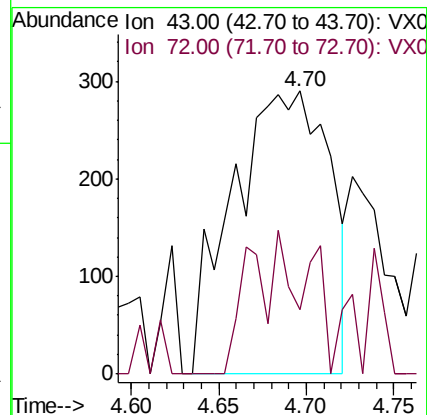
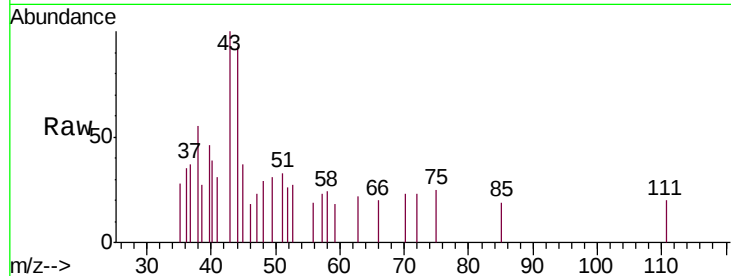
BP-VPB203-GW-678-680

Tgt Ion: 43 Resp: 1116

Ion Ratio Lower Upper

43 100

72 22.8 23.2 34.8#



#29

Tetrahydrofuran

Concen: 0.489 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.00 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

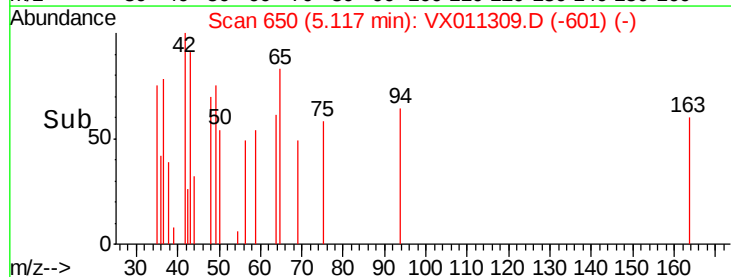
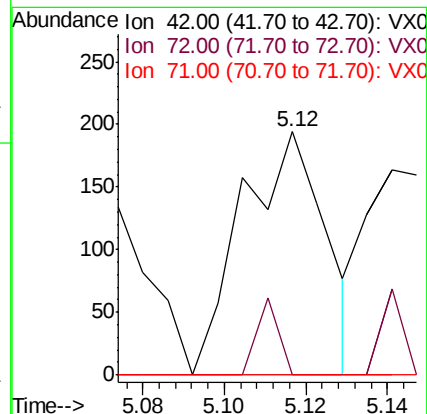
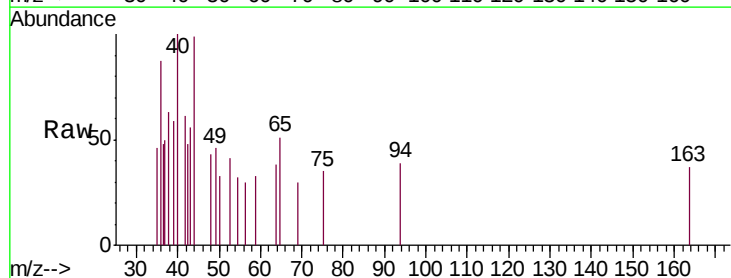
Tgt Ion: 42 Resp: 276

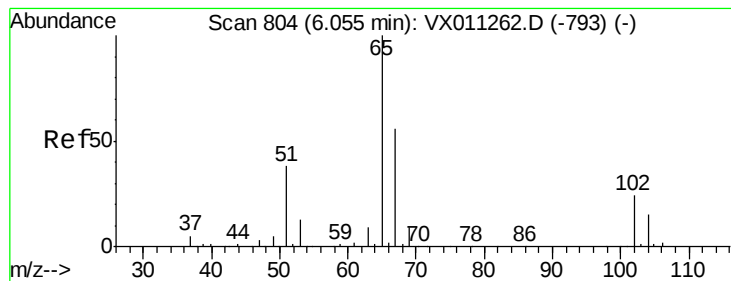
Ion Ratio Lower Upper

42 100

72 8.0 39.9 59.9#

71 0.0 36.9 55.3#





#33

1,2-Dichloroethane-d4

Concen: 54.538 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

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ClientSampleId :

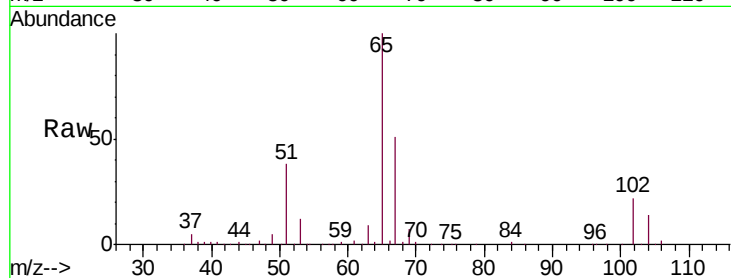
BP-VPB203-GW-678-680

Tgt Ion: 65 Resp: 74211

Ion Ratio Lower Upper

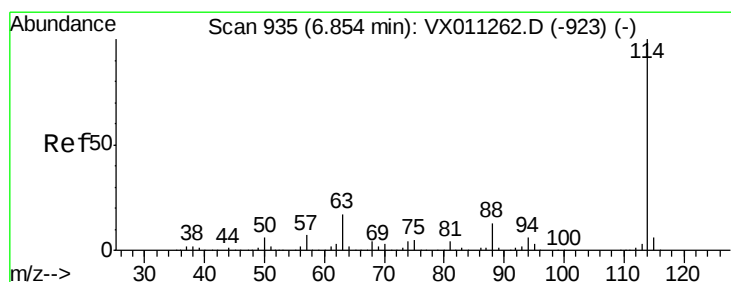
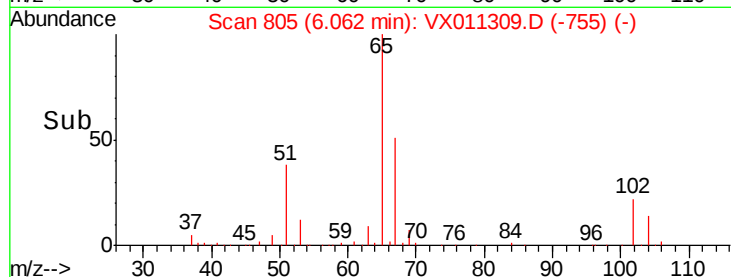
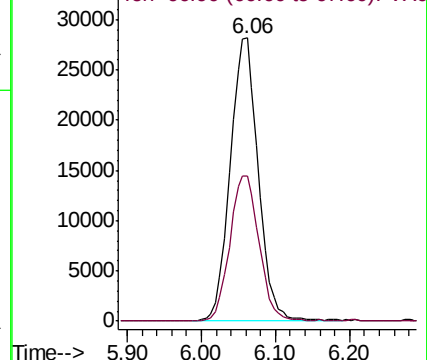
65 100

67 53.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

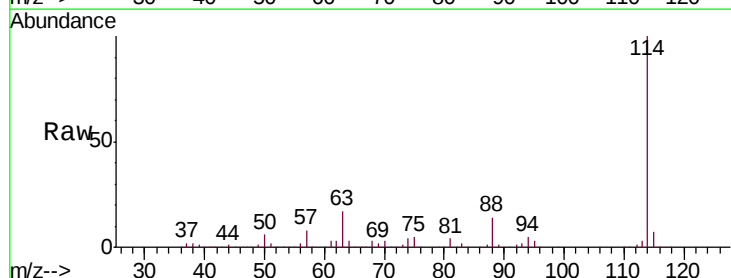
Tgt Ion: 114 Resp: 219591

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.0

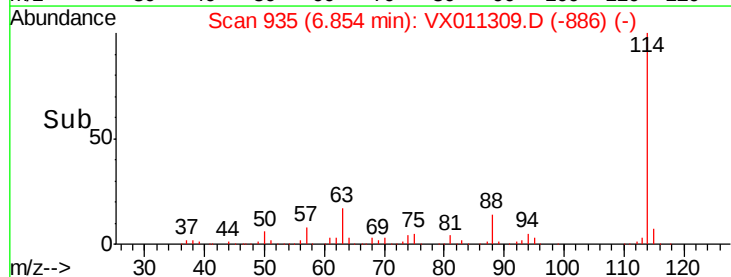
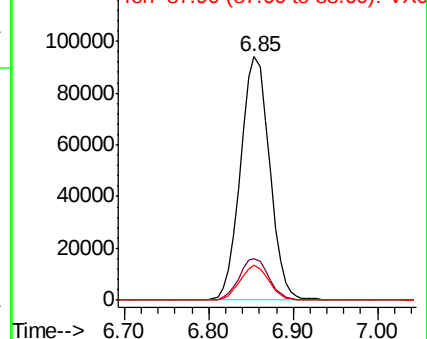
88 14.3 0.0 26.4

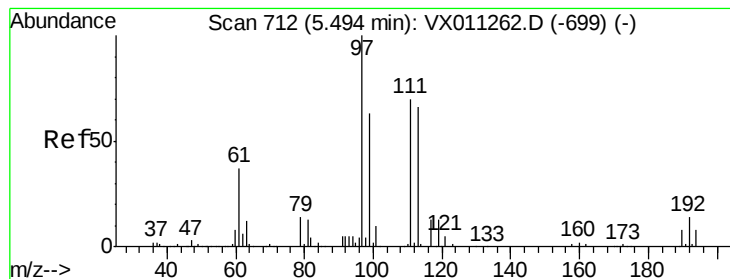


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.659 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

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BP-VPB203-GW-678-680

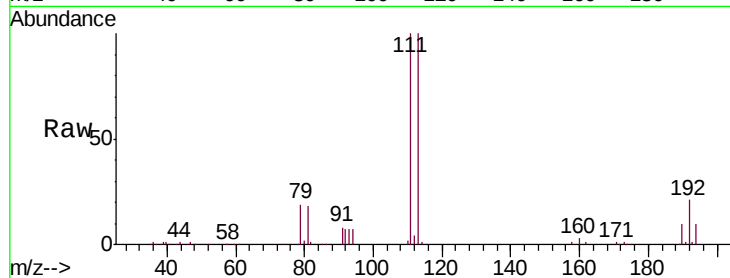
Tgt Ion:113 Resp: 69760

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

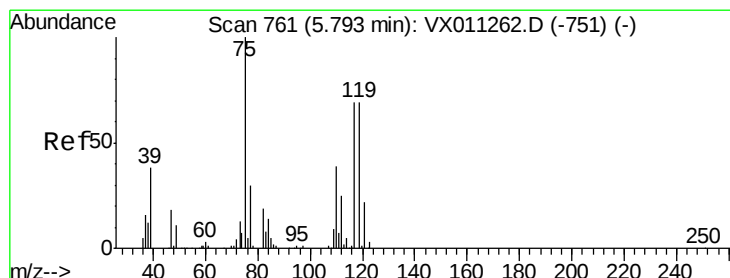
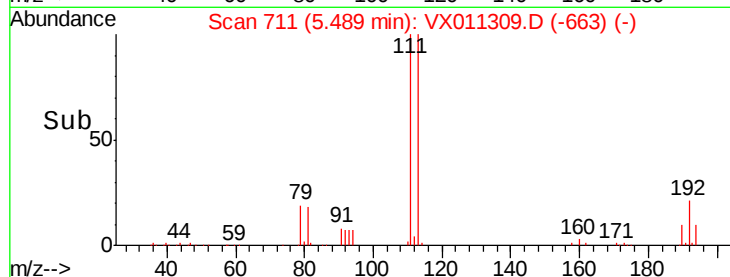
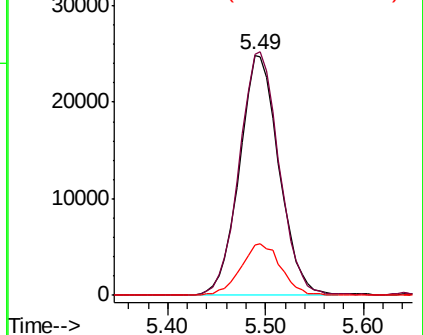
192 21.8 17.8 26.8



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: 4.610 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

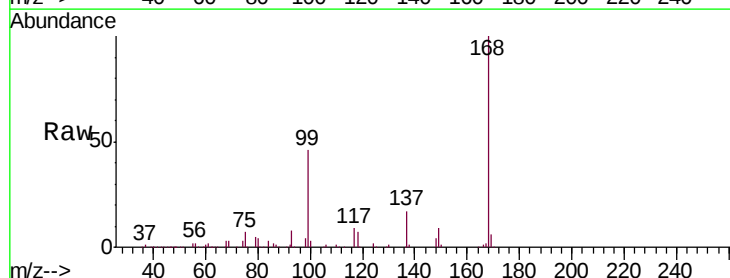
Tgt Ion: 75 Resp: 8838

Ion Ratio Lower Upper

75 100

110 11.8 20.0 59.9#

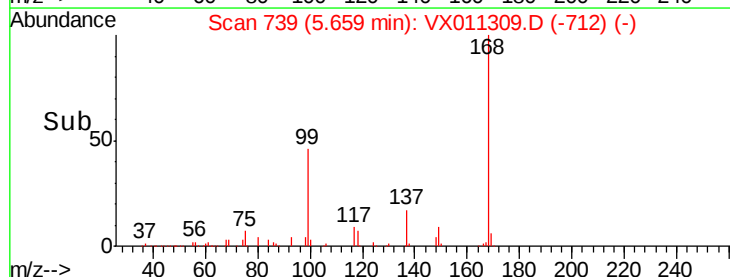
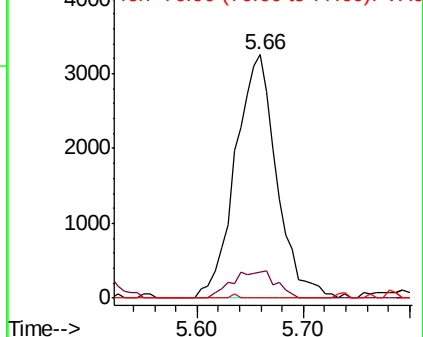
77 0.0 24.8 37.2#

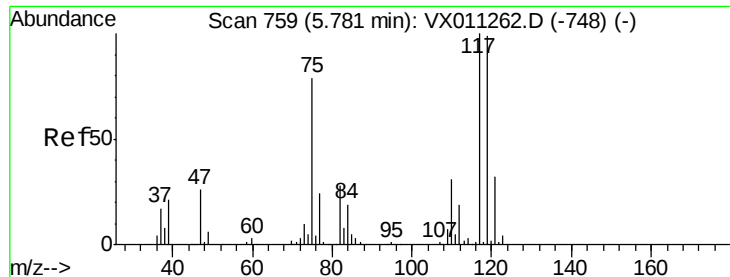


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.357 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-678-680

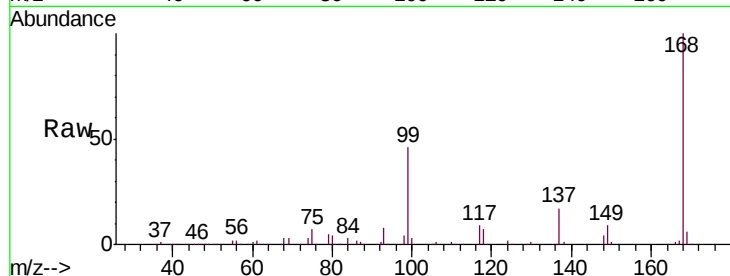
Tgt Ion:117 Resp: 12261

Ion Ratio Lower Upper

117 100

119 5.5 79.0 118.4#

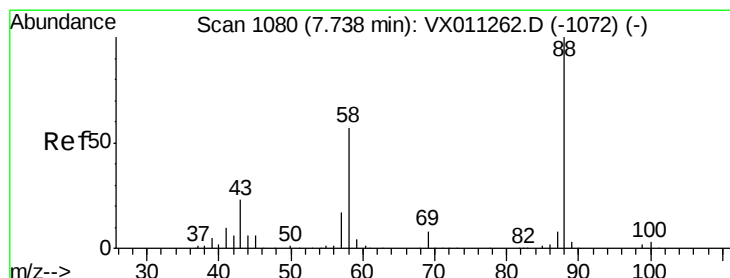
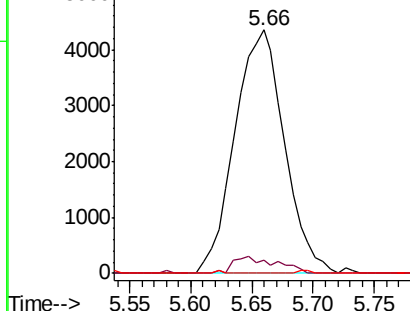
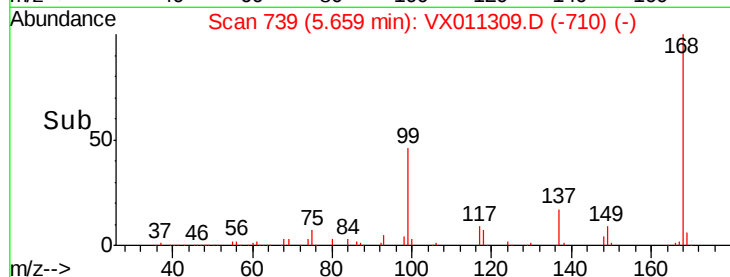
121 0.0 25.9 38.9#



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: 0.453 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.11 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

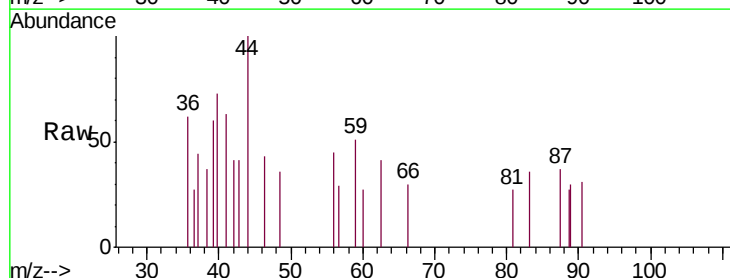
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

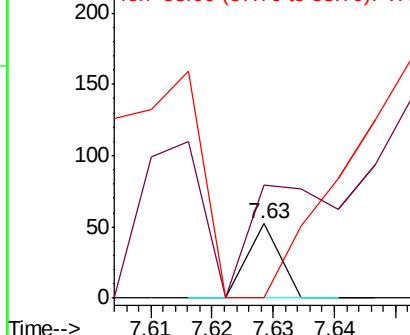
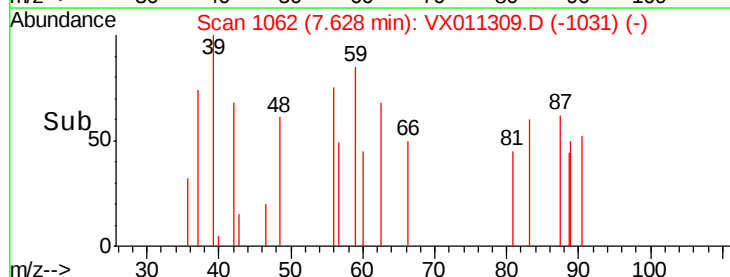
58 805.3 47.8 71.8#

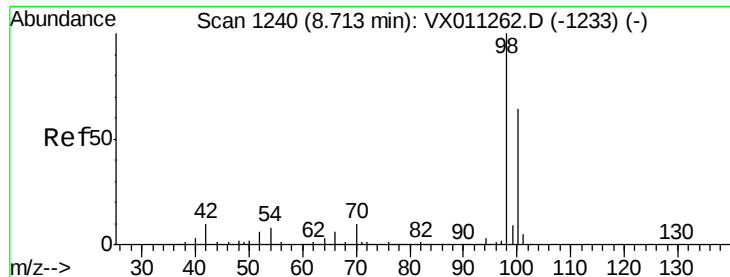


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.225 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

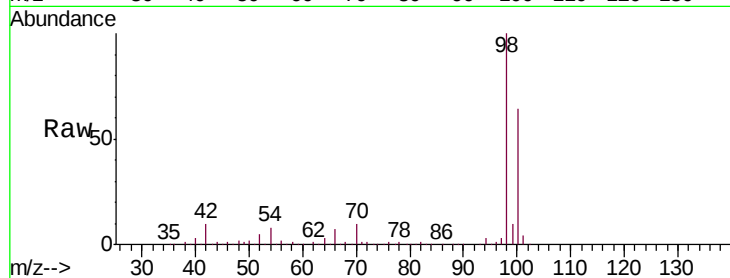
BP-VPB203-GW-678-680

Tgt Ion: 98 Resp: 266386

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

150000

100000

50000

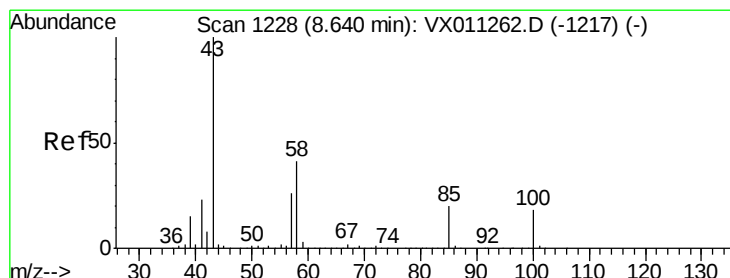
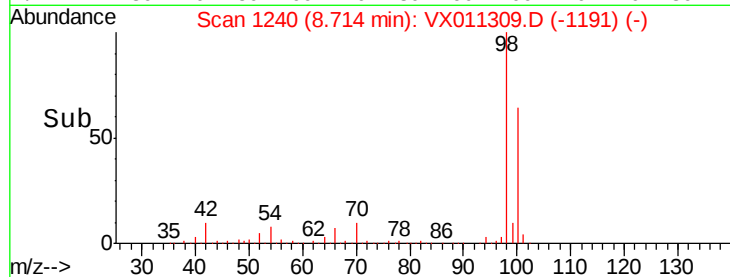
0

Time-->

8.60

8.70

8.80



#51

4-Methyl-2-Pentanone

Concen: 0.233 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.02 min

Lab File: VX011309.D

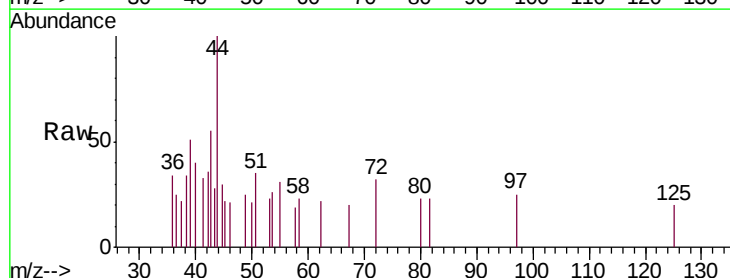
Acq: 02 Aug 2019 16:53

Tgt Ion: 43 Resp: 463

Ion Ratio Lower Upper

43 100

58 57.2 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

1000

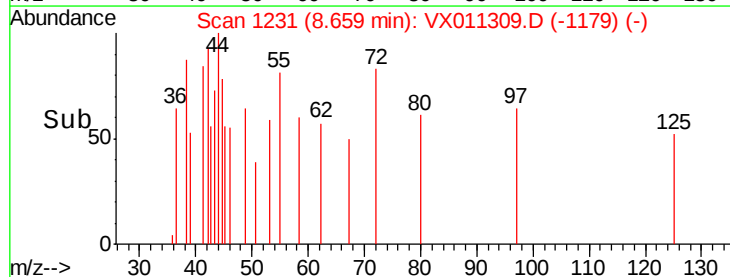
500

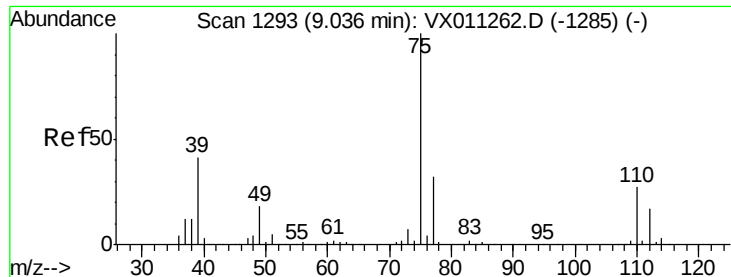
0

Time-->

8.65

8.70

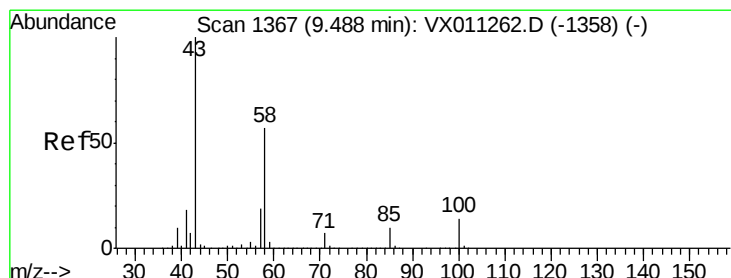
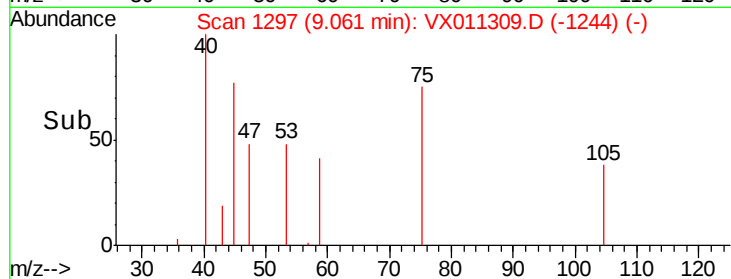
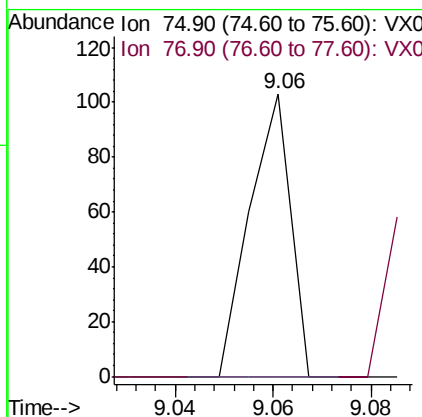
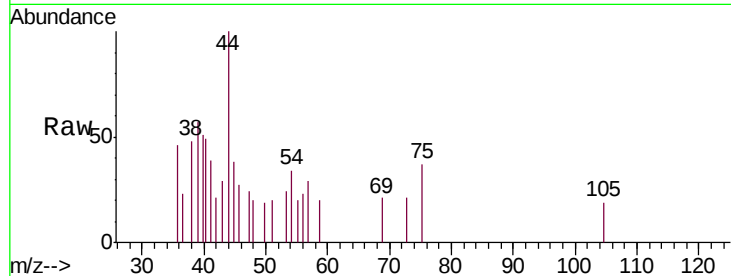




#53
t-1,3-Dichloropropene
Concen: 2.865 ug/l
RT: 9.06 min Scan# 1297
Delta R.T. 0.03 min
Lab File: VX011309.D
Acq: 02 Aug 2019 16:53

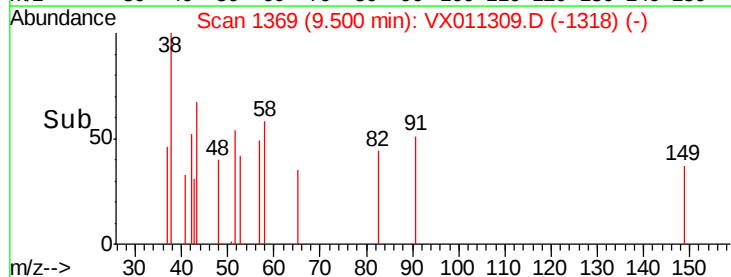
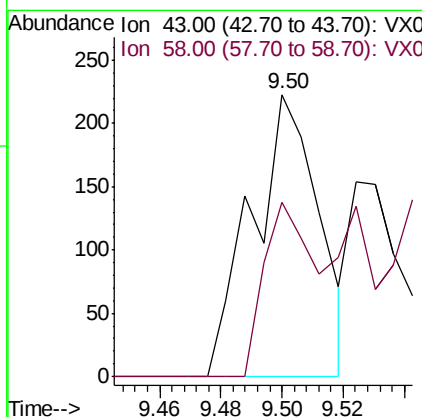
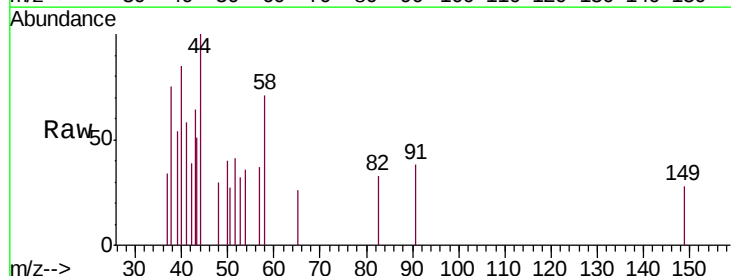
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-678-680

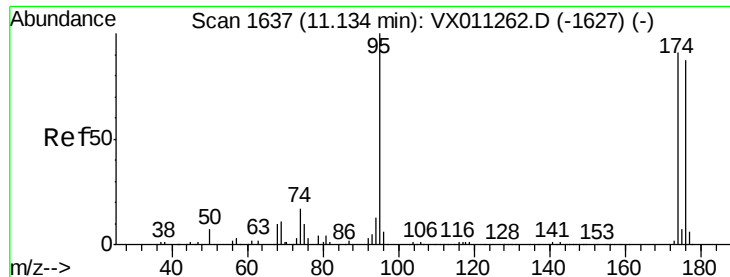
Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#59
2-Hexanone
Concen: 0.219 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX011309.D
Acq: 02 Aug 2019 16:53

Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
58 45.4 28.2 84.6





#62

4-Bromofluorobenzene

Concen: 46.276 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-678-680

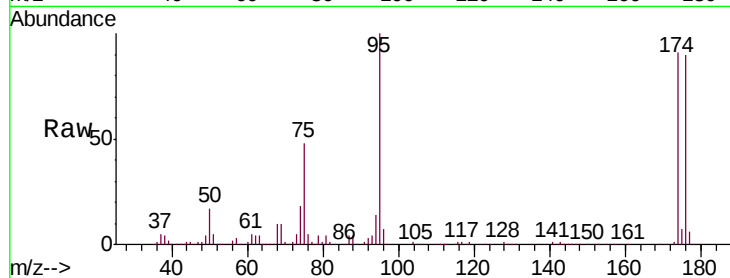
Tgt Ion: 95 Resp: 89411

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.2

176 93.5 0.0 184.8

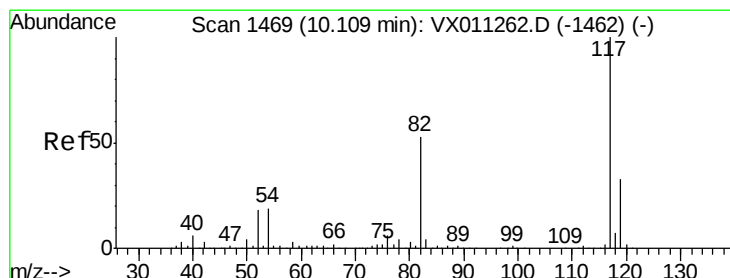
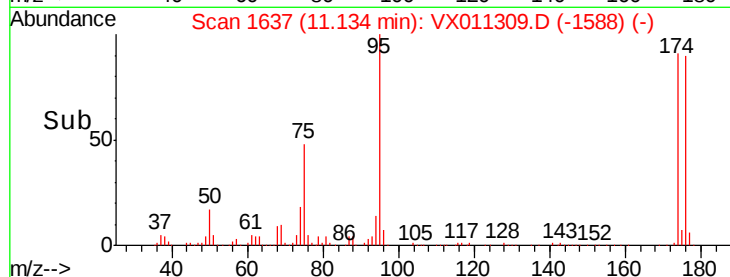


Abundance Ion 94.90 (94.60 to 95.60): VX011262.D (-1627) (-)

Ion 173.80 (173.50 to 174.50): VX011262.D (-1627) (-)

Ion 175.80 (175.50 to 176.50): VX011262.D (-1627) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

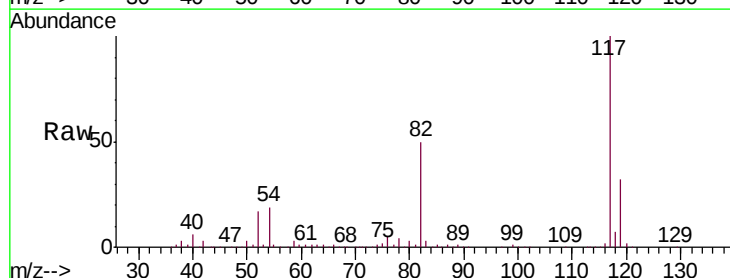
Tgt Ion: 117 Resp: 207539

Ion Ratio Lower Upper

117 100

82 49.5 42.2 63.2

119 31.9 26.6 39.8

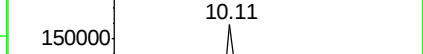
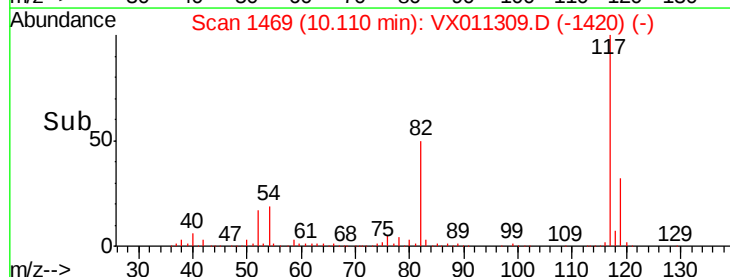


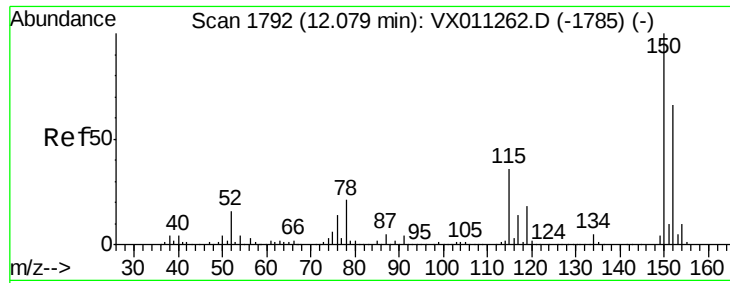
Abundance Ion 116.90 (116.60 to 117.60): VX011262.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011262.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011262.D (-1462) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-678-680

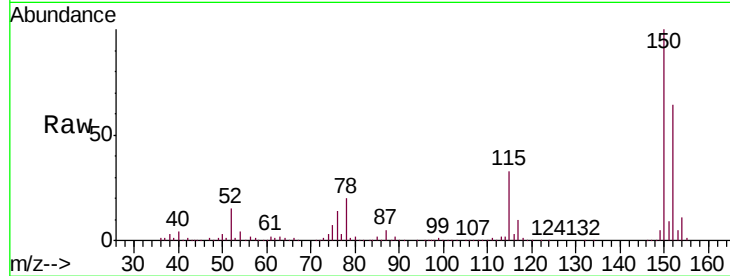
Tgt Ion:152 Resp: 95719

Ion Ratio Lower Upper

152 100

115 54.5 40.0 119.9

150 159.9 0.0 350.4



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

150000

100000

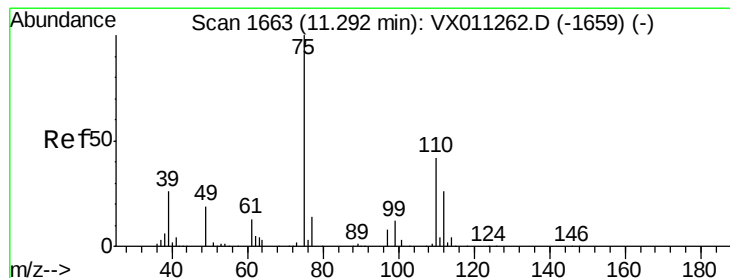
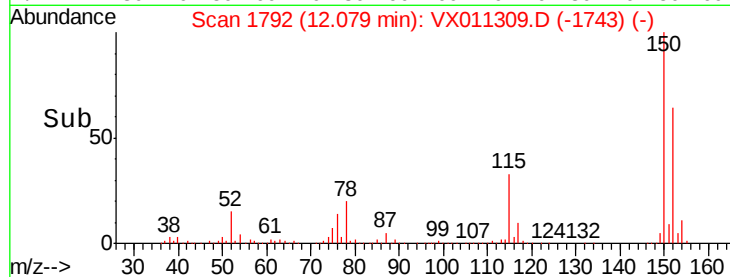
50000

0

12.08

12.00 12.05 12.10 12.15

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.210 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011309.D

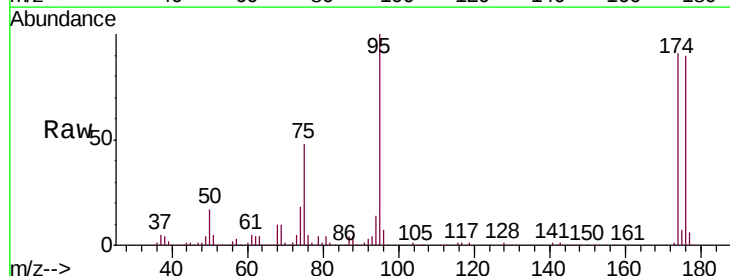
Acq: 02 Aug 2019 16:53

Tgt Ion: 75 Resp: 43945

Ion Ratio Lower Upper

75 100

77 1.5 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

40000

30000

20000

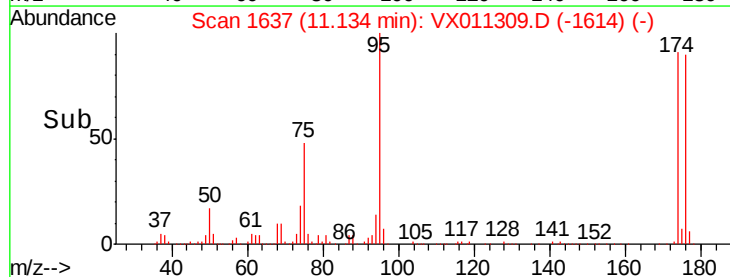
10000

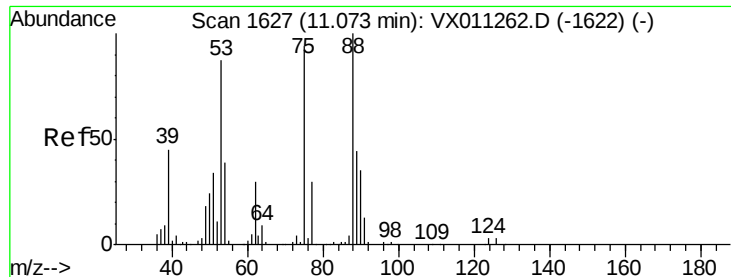
0

11.13

11.05 11.10 11.15 11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 65.749 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011309.D

Acq: 02 Aug 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-678-680

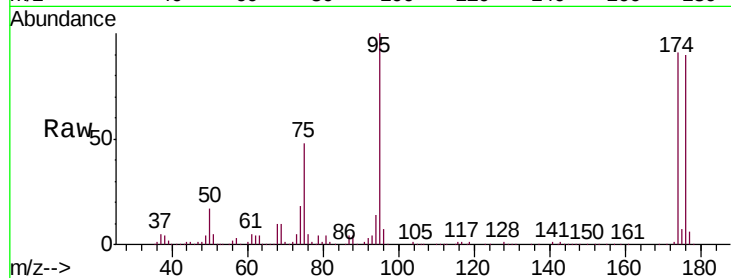
Tgt Ion: 75 Resp: 43945

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.2 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

