

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009678.D
 Acq On : 17 May 2019 21:40
 Operator : JC/SP
 Sample : K2891-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-558-560

Quant Time: May 18 04:53:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	160258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	256434	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	223230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93697	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	107897	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	5.50	113	78446	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.71	98	319774	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.13	95	106195	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

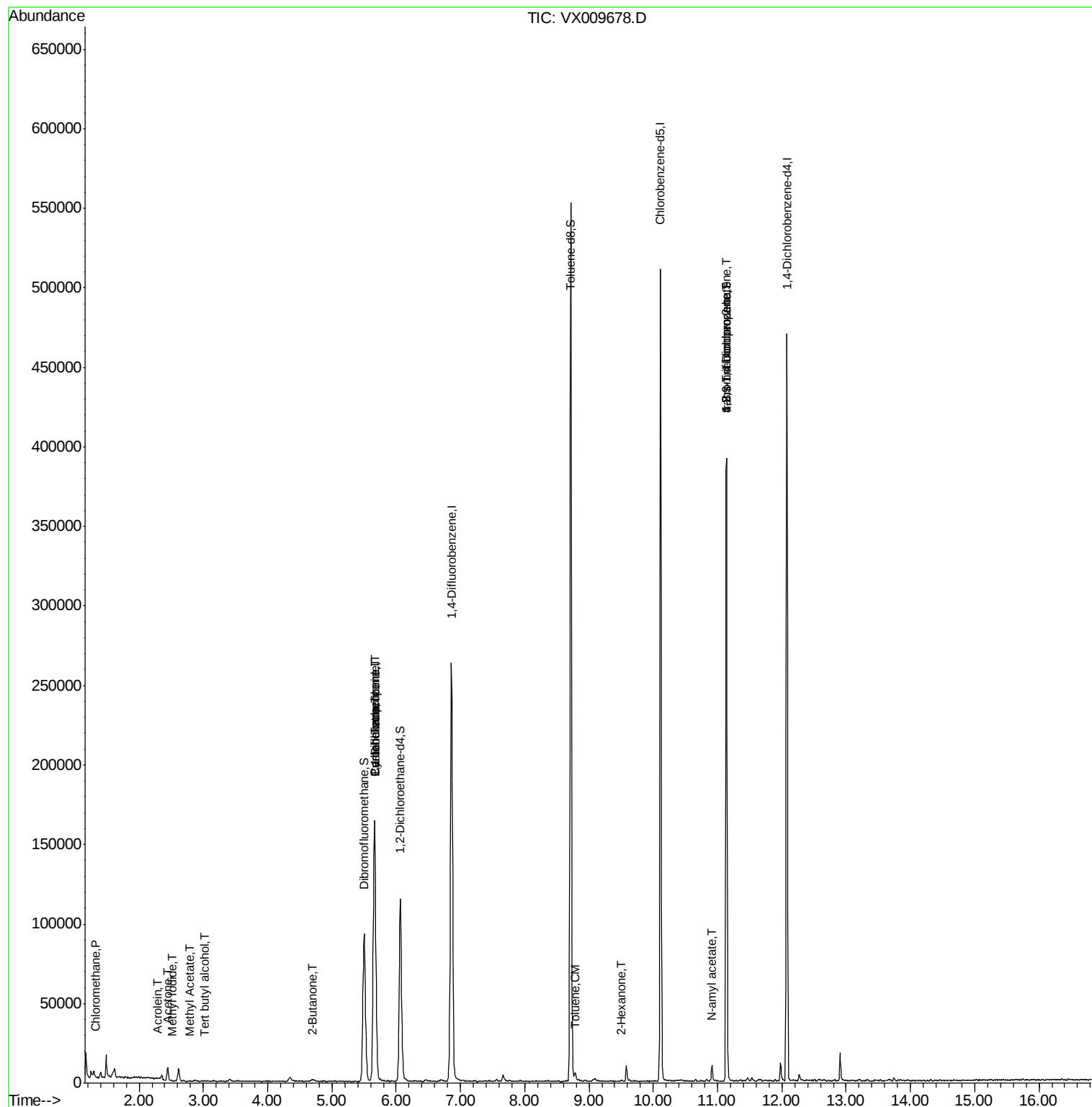
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	418	0.207	ug/l	97
10) Methyl Iodide	2.51	142	117	4.655	ug/l #	48
11) Tert butyl alcohol	3.03	59	181	0.357	ug/l #	1
13) Acrolein	2.29	56	234	0.510	ug/l #	66
16) Acetone	2.45	43	8905	7.581	ug/l	99
18) Methyl Acetate	2.78	43	605	0.217	ug/l #	68
25) 2-Butanone	4.70	43	2687	1.472	ug/l	92
28) Bromochloromethane	4.99	49	74	Below Cal	#	20
31) Cyclohexane	5.67	56	3572	1.104	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12406	5.206	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15032	6.943	ug/l #	15
52) Toluene	8.79	92	1452	0.324	ug/l	85
59) 2-Hexanone	9.50	43	824	0.302	ug/l	93
74) N-amyl acetate	10.91	43	1348	0.339	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	54986	25.299	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	54986	64.731	ug/l #	10

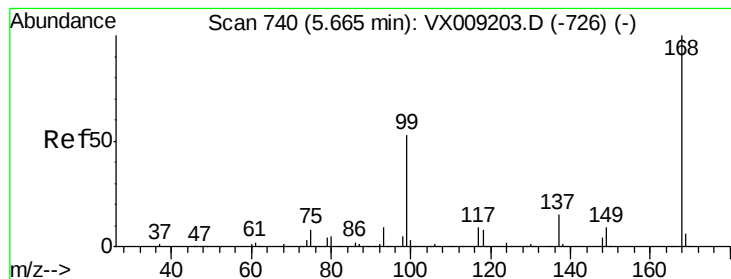
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Instrument :

MSVOA_X

ClientSampleId :

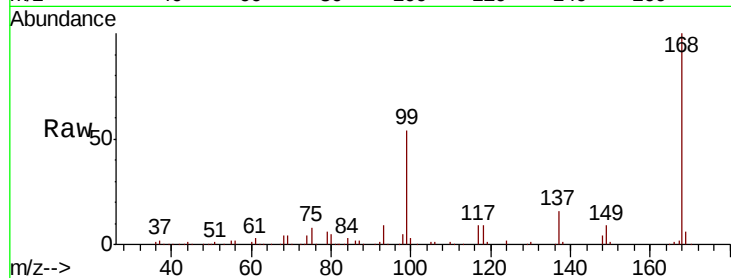
BP-VPB202-GW-558-560

Tot Ion:168 Resp: 160258

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

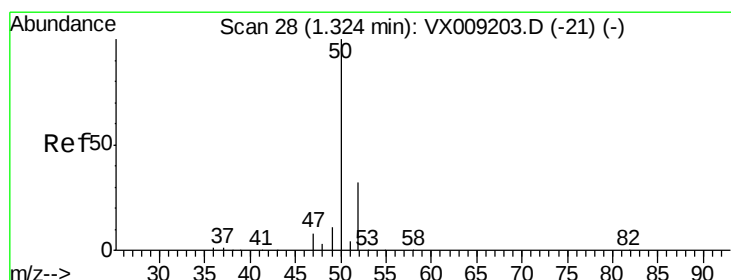
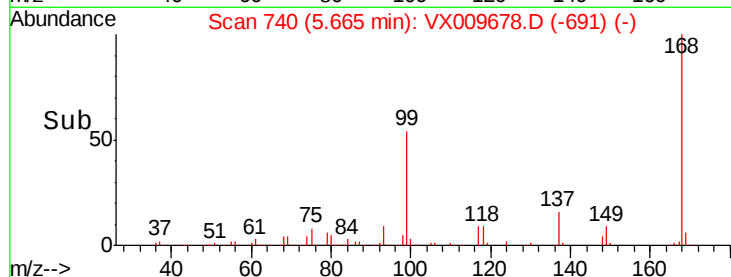
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009678.D

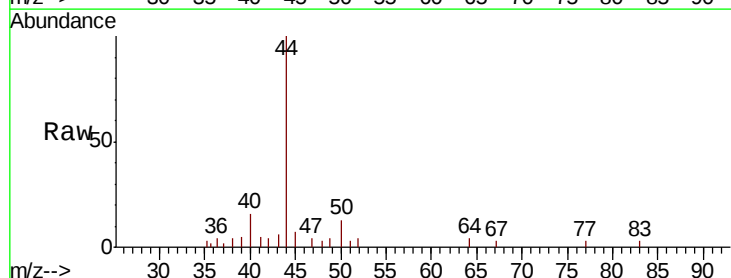
Acq: 17 May 2019 21:40

Tgt Ion: 50 Resp: 418

Ion Ratio Lower Upper

50 100

52 31.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

250

200

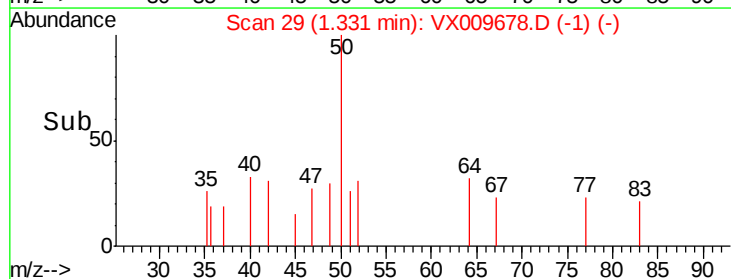
150

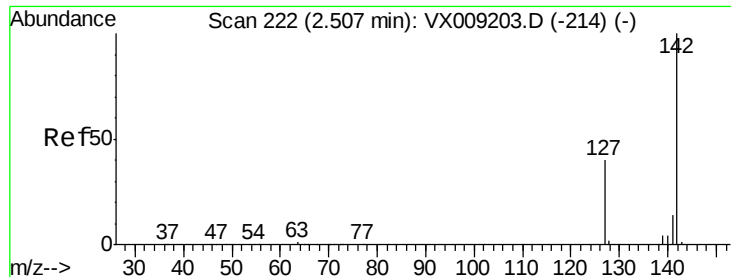
100

50

0

Time--> 1.28 1.30 1.32 1.34 1.36

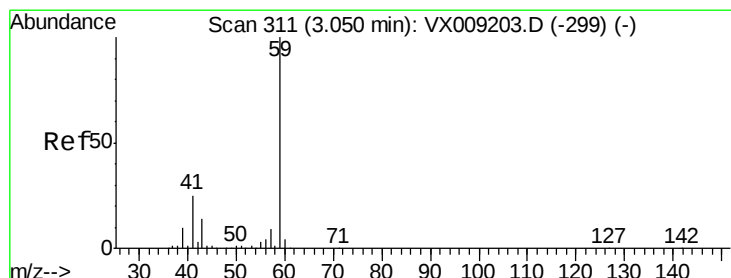
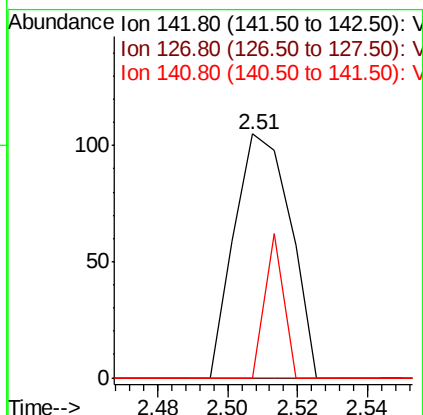
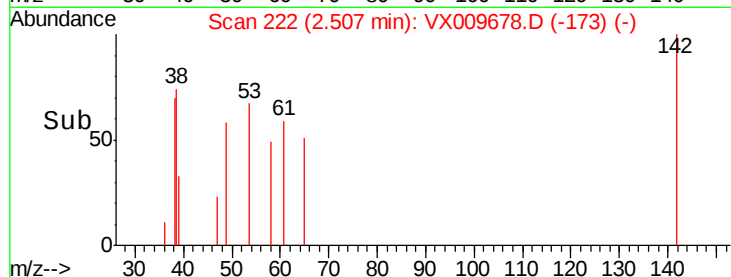
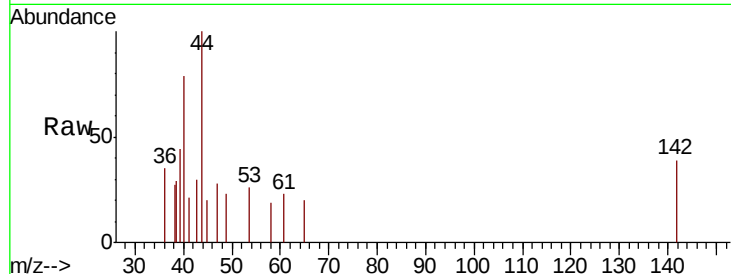




#10
Methvl Iodide
Concen: 4.655 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009678.D
Acq: 17 May 2019 21:40

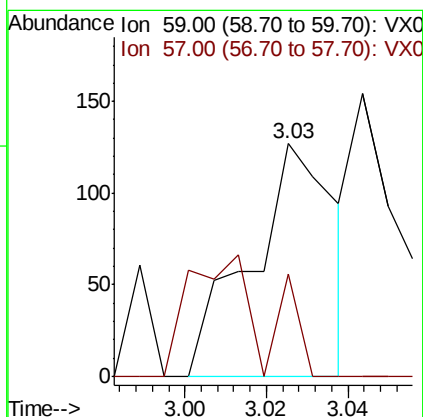
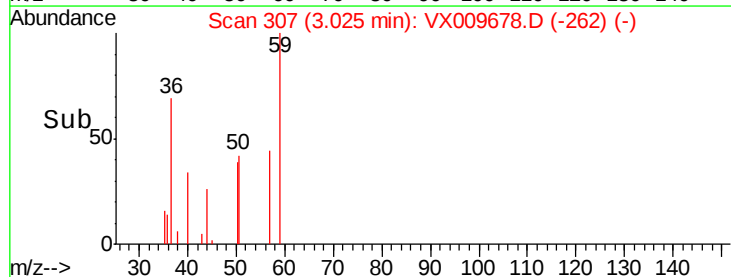
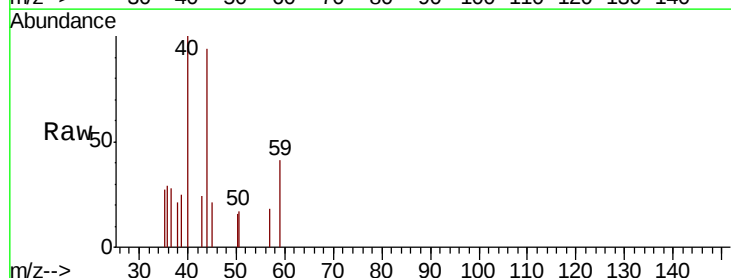
Instrument :
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ClientSampleId :
BP-VPB202-GW-558-560

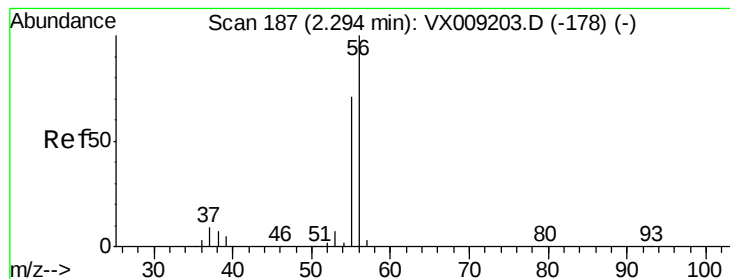
Tot Ion:142 Resp: 117
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 19.7 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.357 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009678.D
Acq: 17 May 2019 21:40

Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 47.0 8.2 12.2#





#13

Acrolein

Concen: 0.510 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Instrument :

MSVOA_X

ClientSampleId :

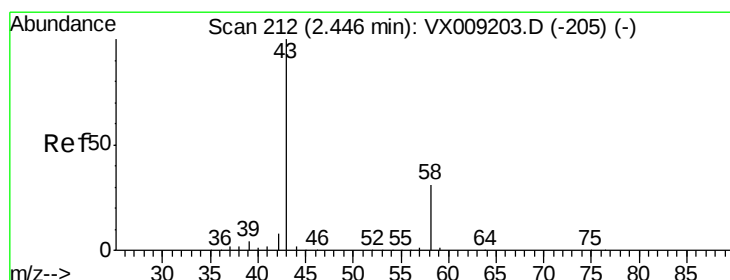
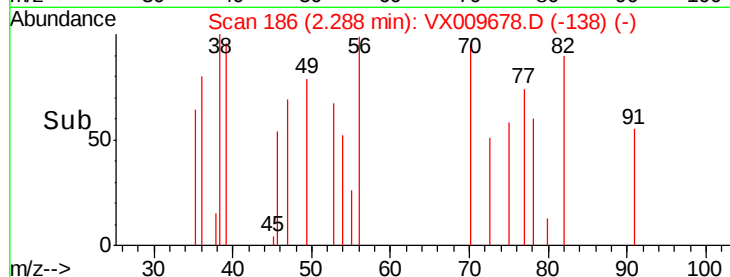
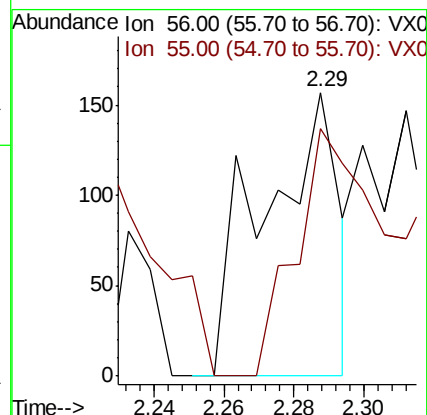
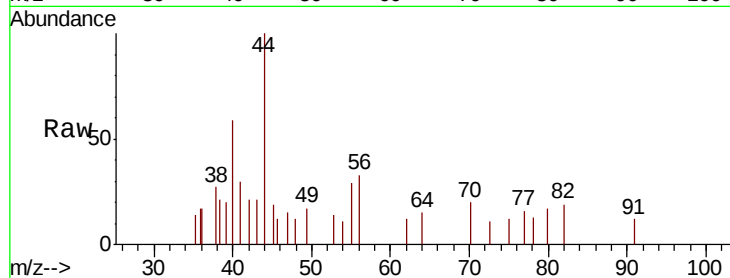
BP-VPB202-GW-558-560

Tot Ion: 56 Resp: 234

Ion Ratio Lower Upper

56 100

55 99.1 56.6 85.0#



#16

Acetone

Concen: 7.581 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009678.D

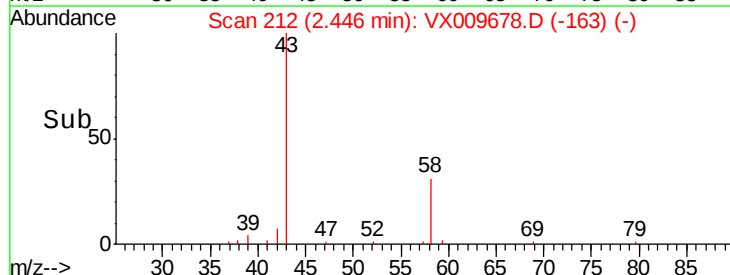
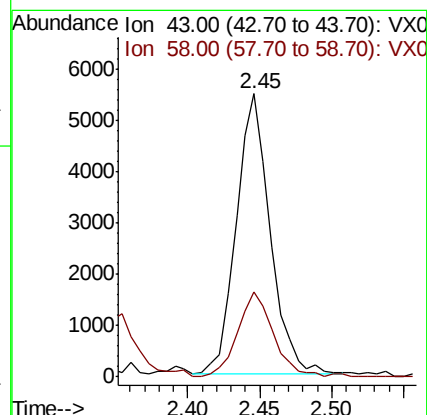
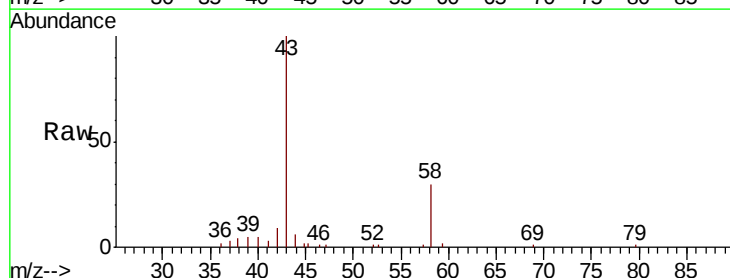
Acq: 17 May 2019 21:40

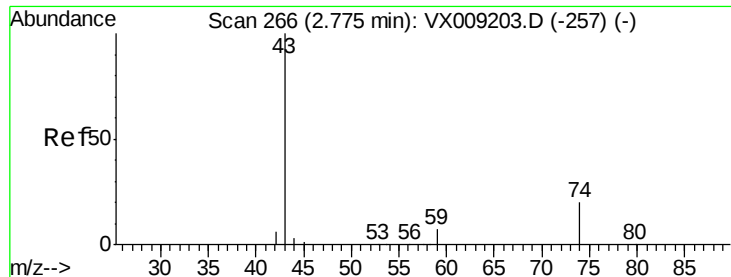
Tgt Ion: 43 Resp: 8905

Ion Ratio Lower Upper

43 100

58 30.5 24.9 37.3

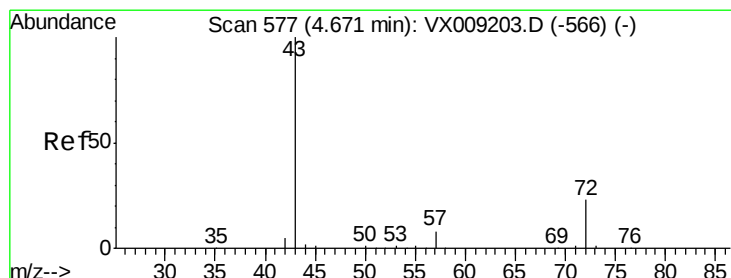
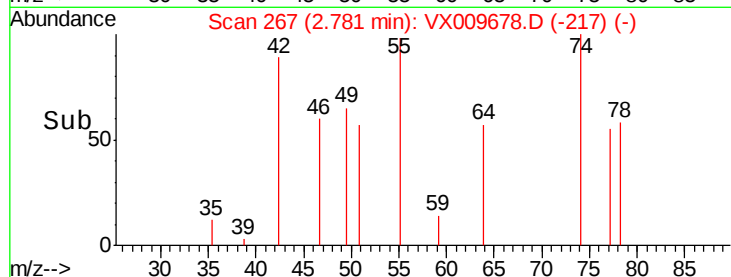
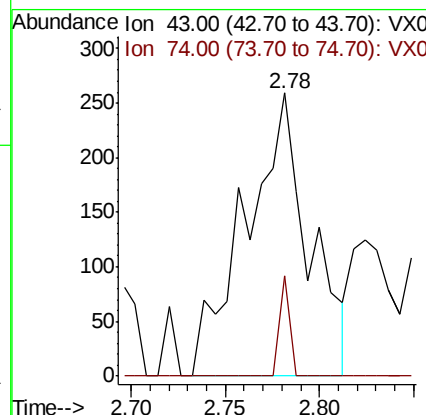
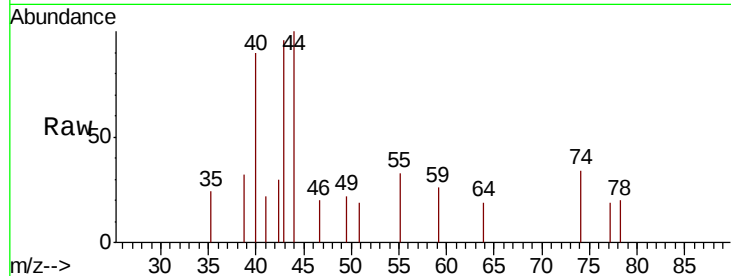




#18
Methvl Acetate
Concen: 0.217 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX009678.D
Acq: 17 May 2019 21:40

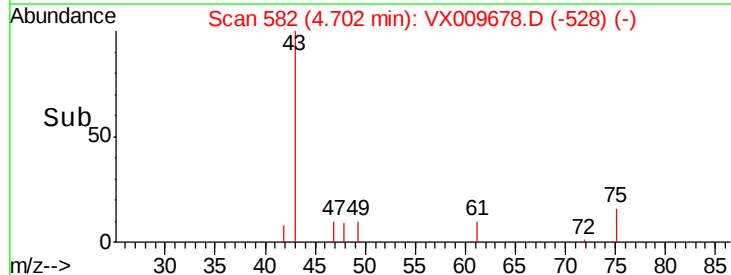
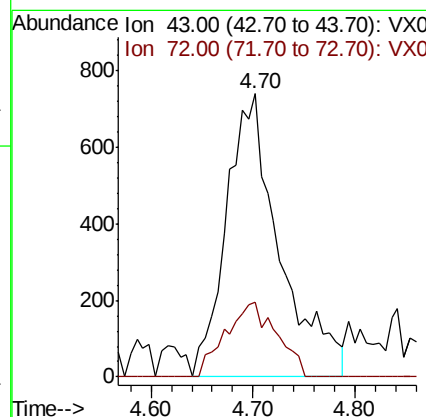
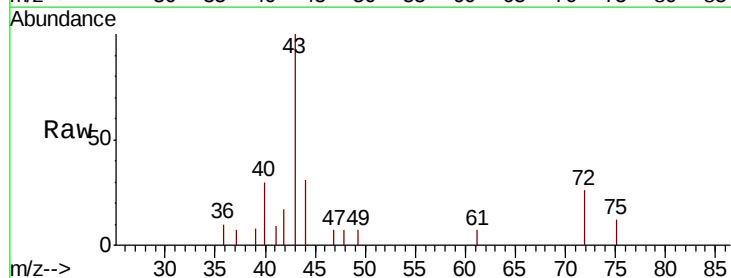
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-558-560

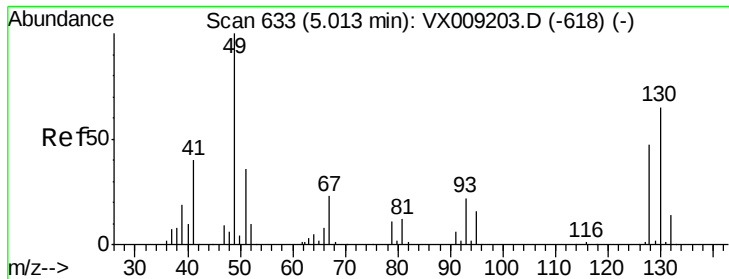
Tot Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
74 5.6 16.2 24.4#



#25
2-Butanone
Concen: 1.472 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.03 min
Lab File: VX009678.D
Acq: 17 May 2019 21:40

Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
72 26.4 18.2 27.2





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.02 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-558-560

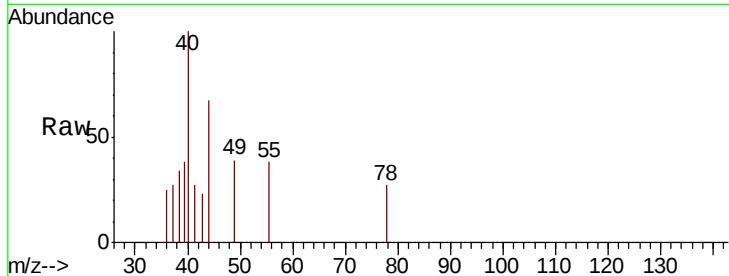
Tot Ion: 49 Resp: 74

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#

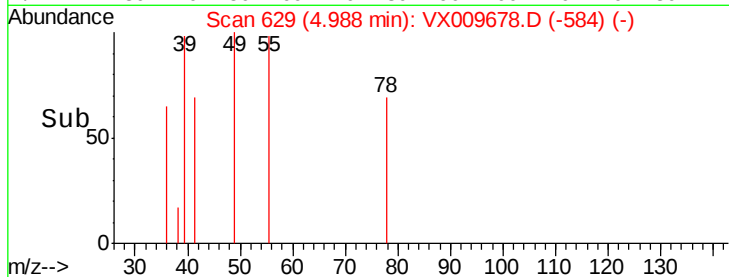


Abundance Ion 48.90 (48.60 to 49.60): VX0

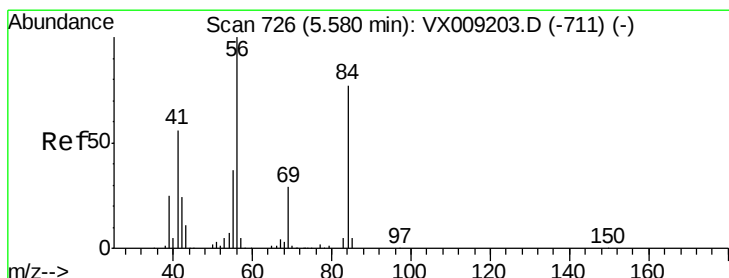
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



Time-->



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

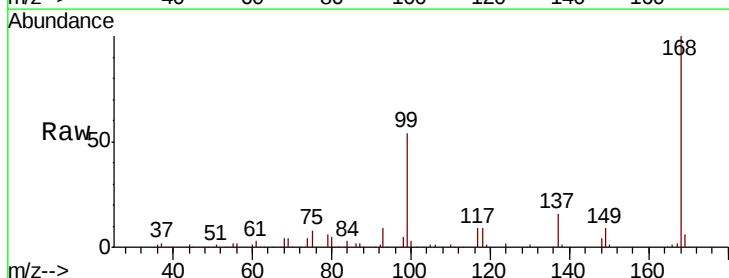
Tgt Ion: 56 Resp: 3572

Ion Ratio Lower Upper

56 100

69 176.9 23.4 35.0#

84 160.5 61.9 92.9#

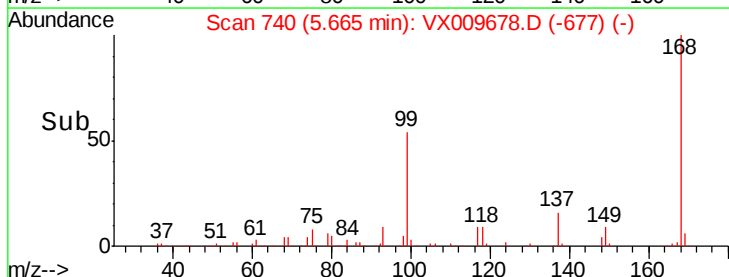


Abundance Ion 56.00 (55.70 to 56.70): VX0

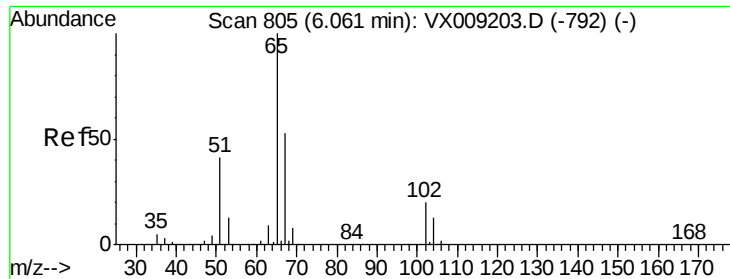
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.320 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Instrument :

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ClientSampleId :

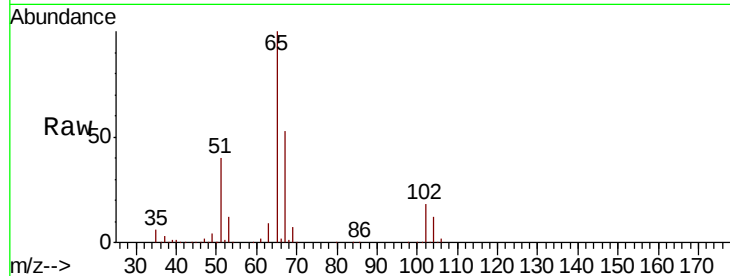
BP-VPB202-GW-558-560

Tot Ion: 65 Resp: 107897

Ion Ratio Lower Upper

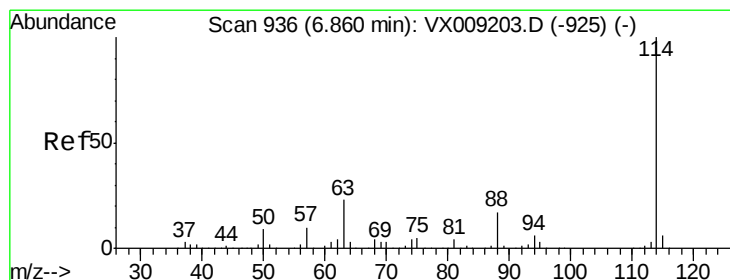
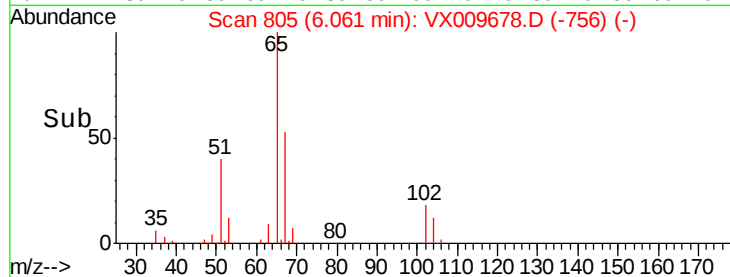
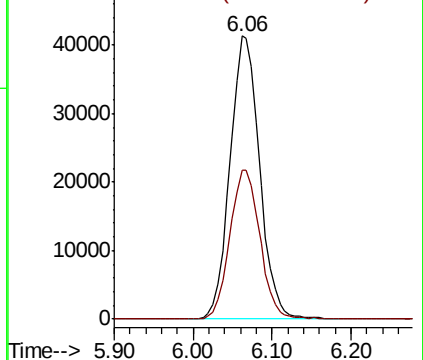
65 100

67 53.5 0.0 106.6



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

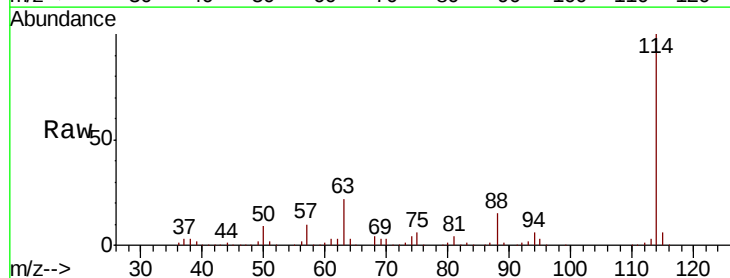
Tgt Ion: 114 Resp: 256434

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

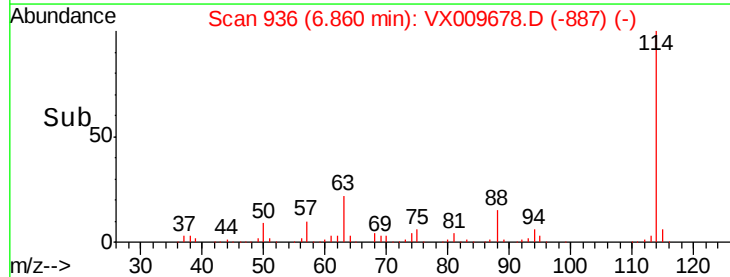
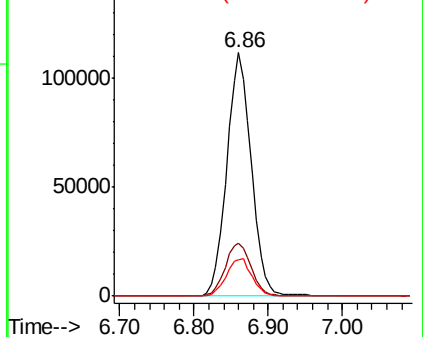
88 15.1 0.0 33.2

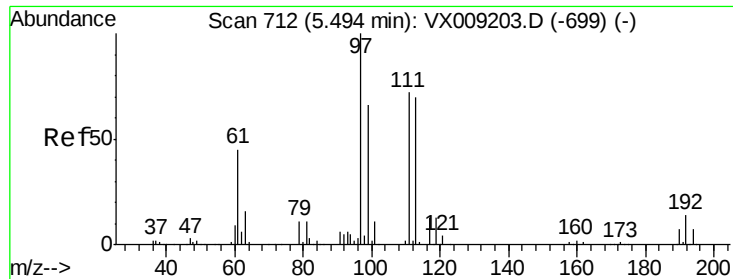


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

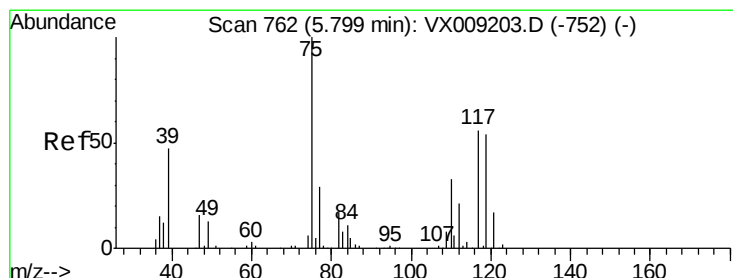
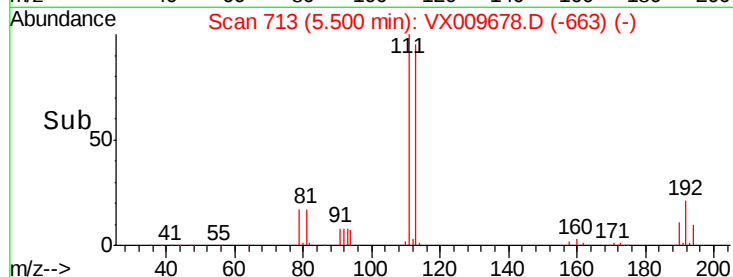
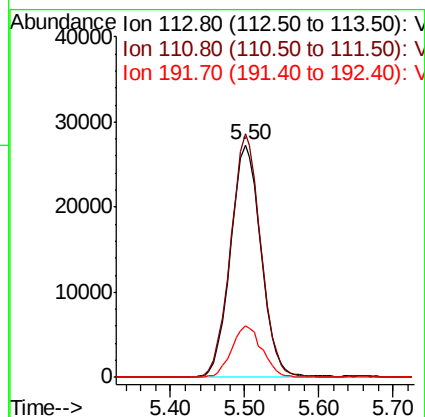
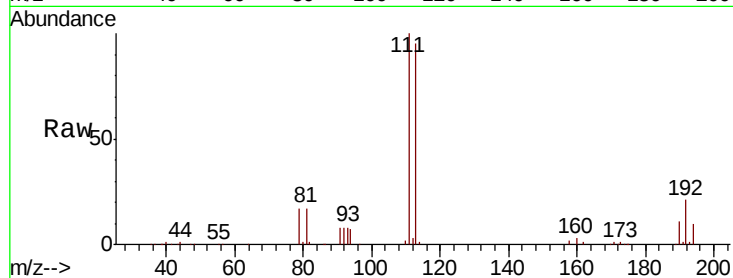




#35
 Dibromofluoromethane
 Concen: 48.662 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009678.D
 Acq: 17 May 2019 21:40

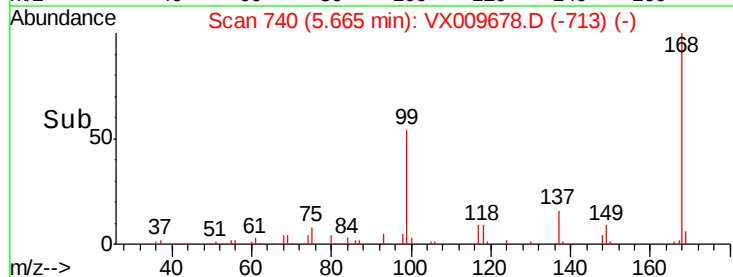
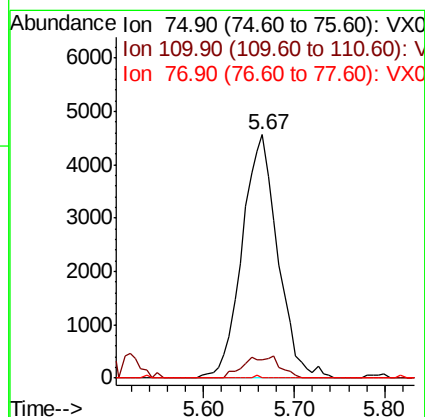
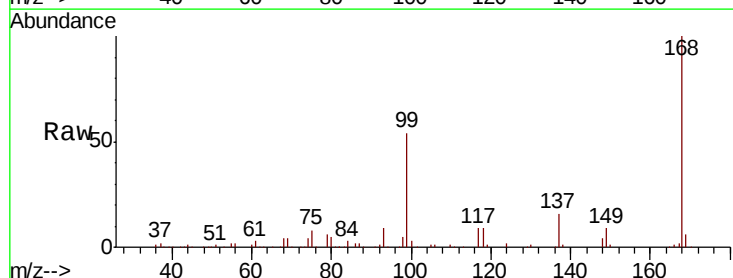
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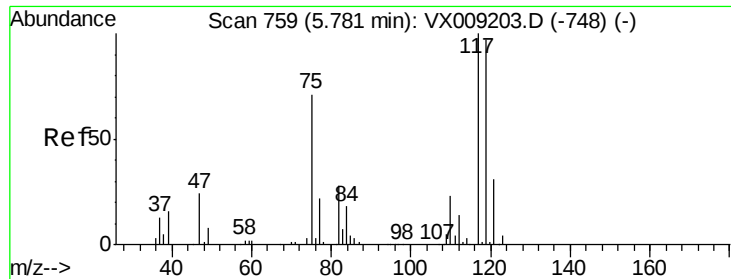
Tot Ion:113 Resp: 78446
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.206 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009678.D
 Acq: 17 May 2019 21:40

Tgt Ion: 75 Resp: 12406
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.943 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-558-560

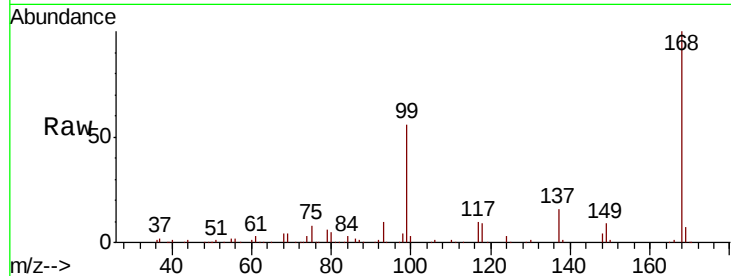
Tot Ion:117 Resp: 15032

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

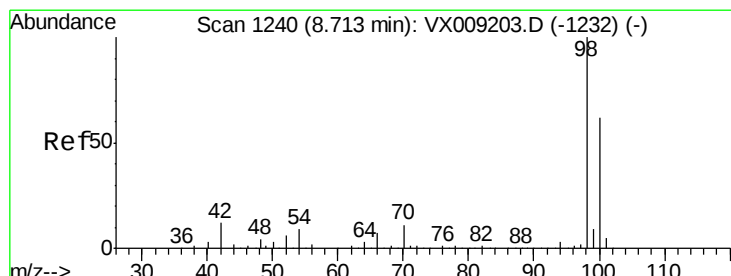
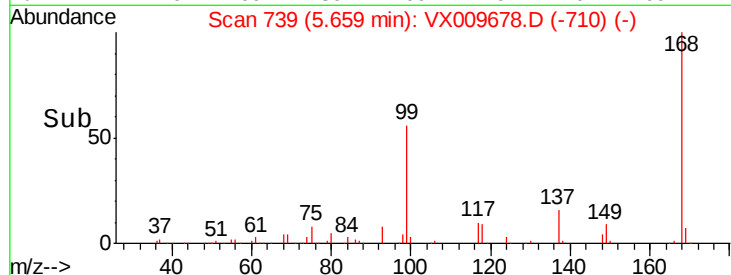
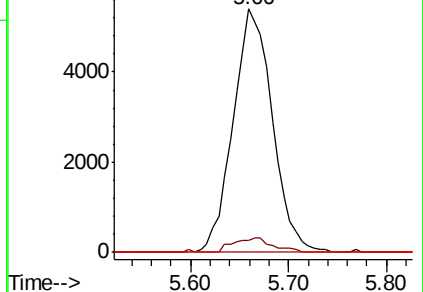
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.134 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009678.D

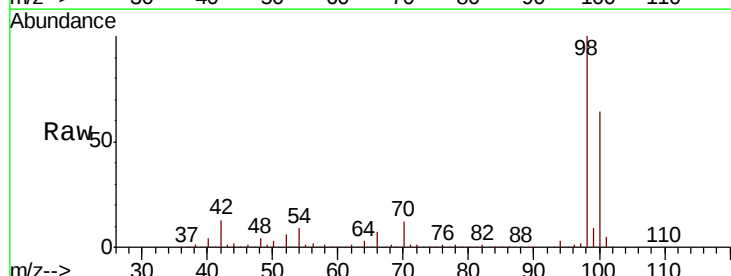
Acq: 17 May 2019 21:40

Tgt Ion: 98 Resp: 319774

Ion Ratio Lower Upper

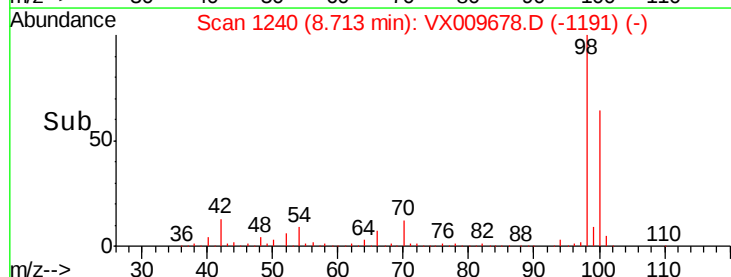
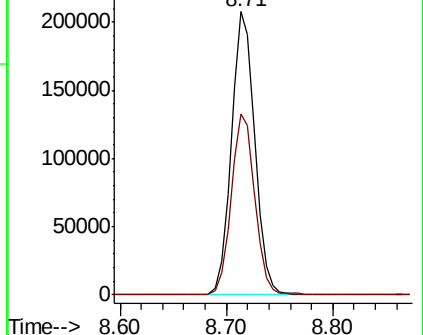
98 100

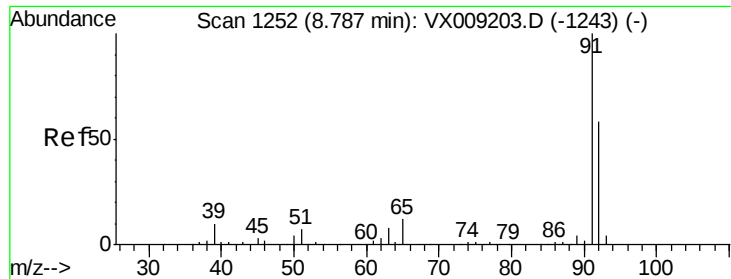
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.324 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Instrument :

MSVOA_X

ClientSampleId :

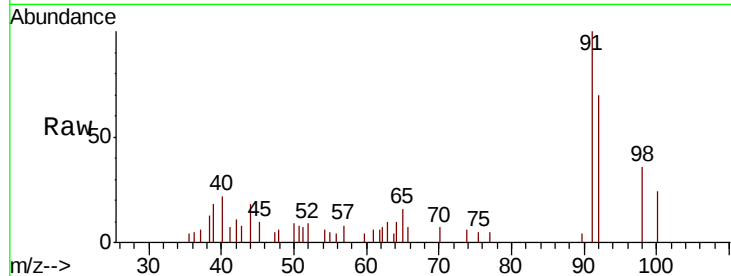
BP-VPB202-GW-558-560

Tot Ion: 92 Resp: 1452

Ion Ratio Lower Upper

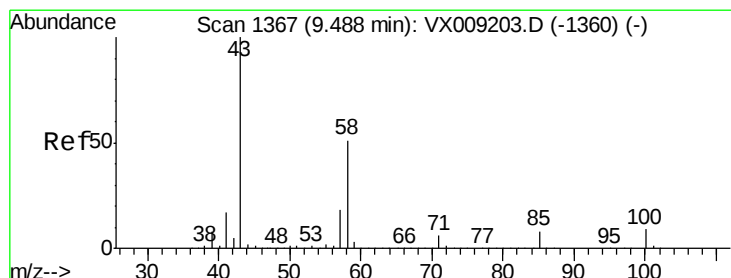
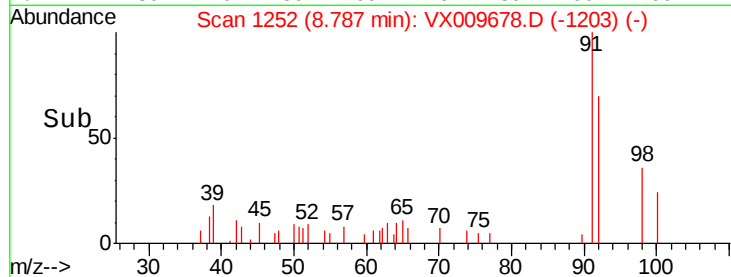
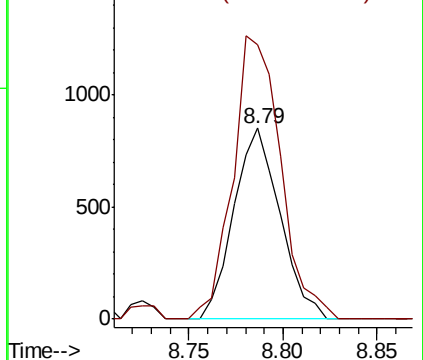
92 100

91 152.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.302 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX009678.D

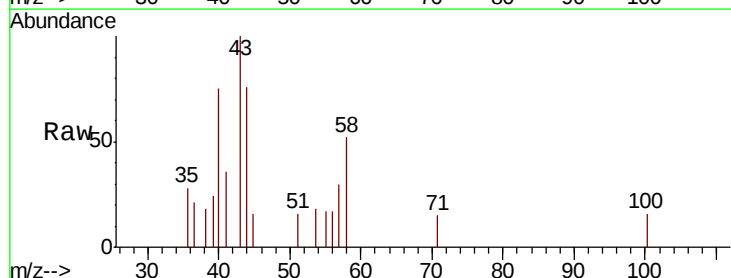
Acq: 17 May 2019 21:40

Tgt Ion: 43 Resp: 824

Ion Ratio Lower Upper

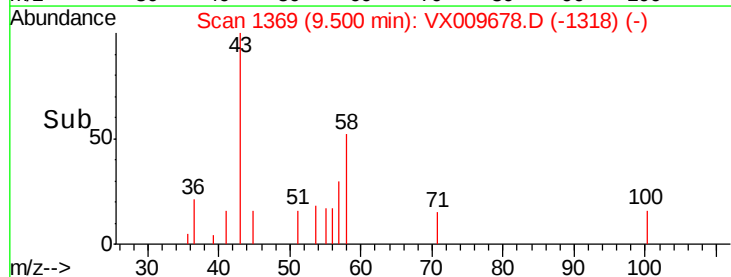
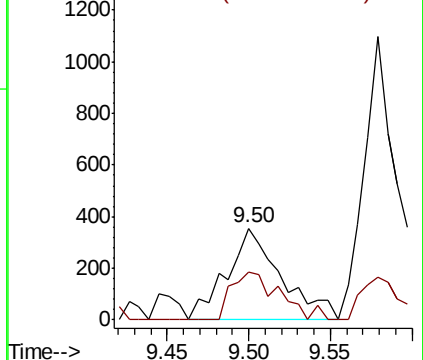
43 100

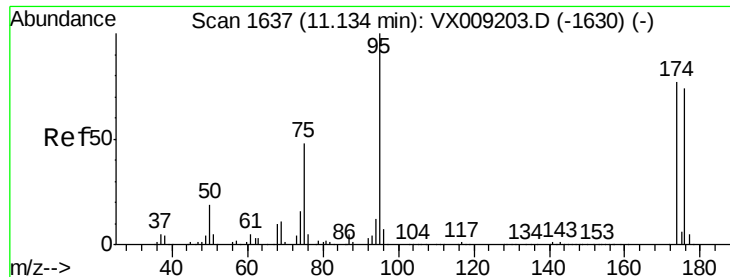
58 46.6 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.906 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-558-560

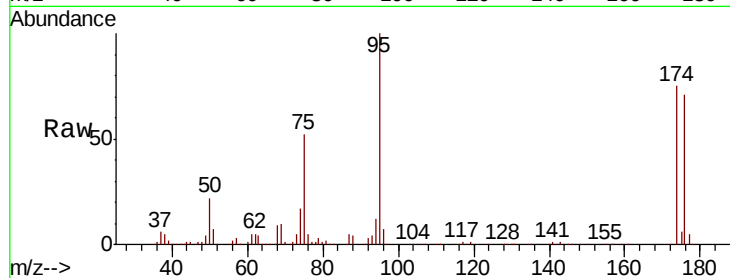
Tot Ion: 95 Resp: 106195

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

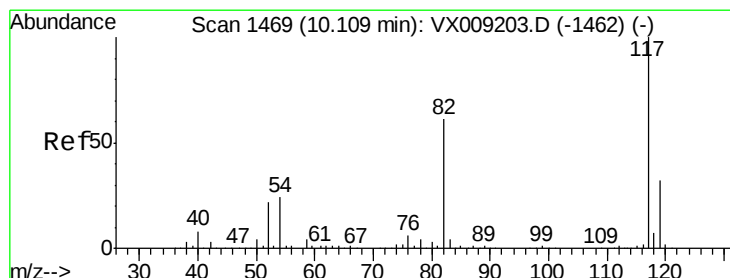
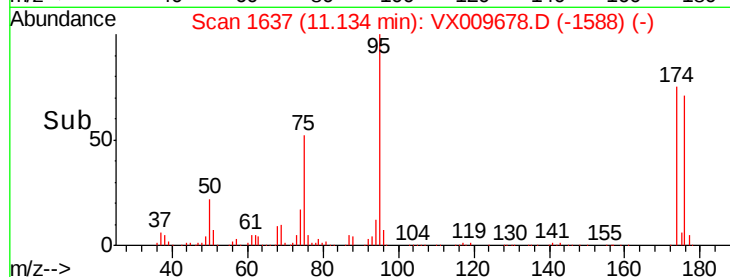
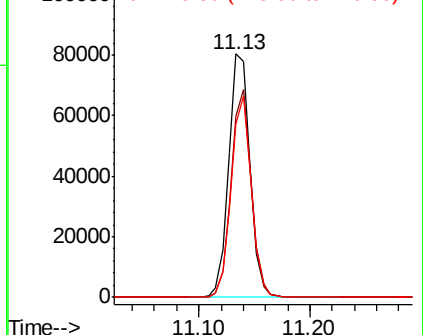
176 78.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

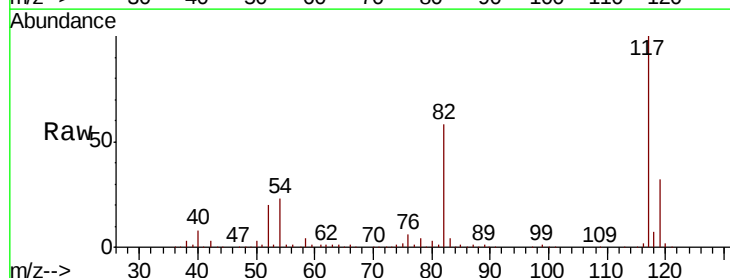
Tgt Ion: 117 Resp: 223230

Ion Ratio Lower Upper

117 100

82 58.2 48.8 73.2

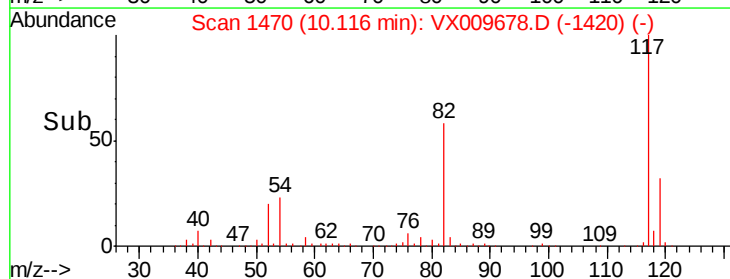
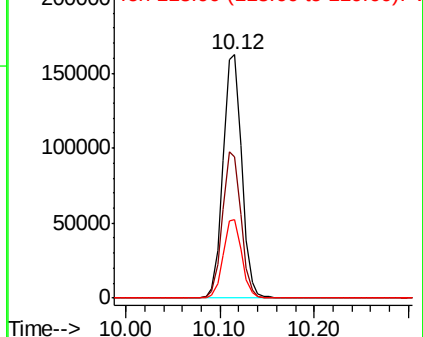
119 32.4 25.8 38.6

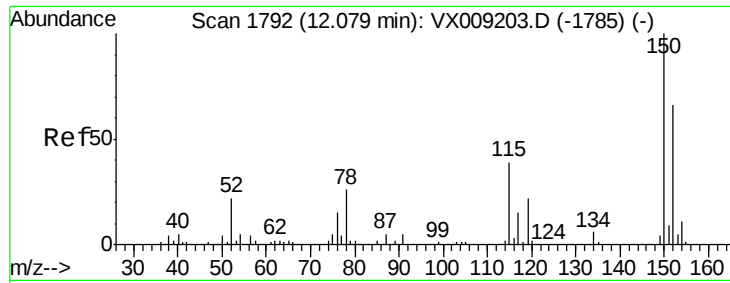


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-558-560

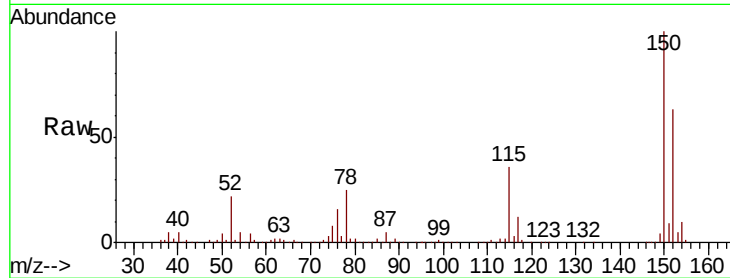
Tot Ion:152 Resp: 93697

Ion Ratio Lower Upper

152 100

115 58.9 41.2 123.6

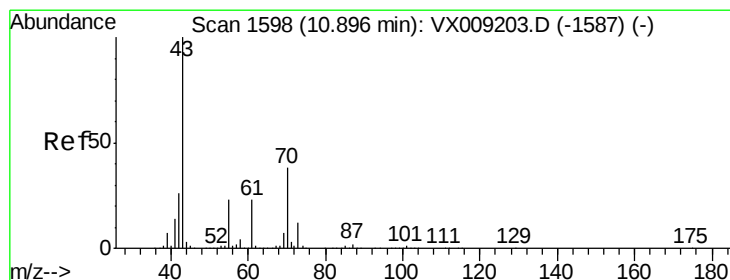
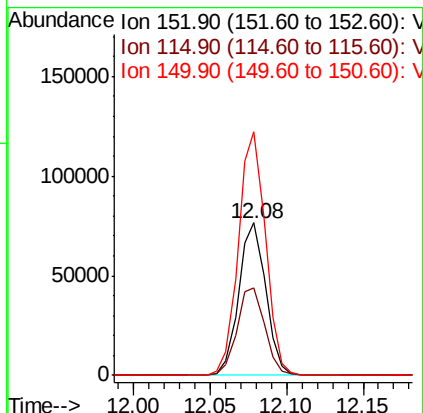
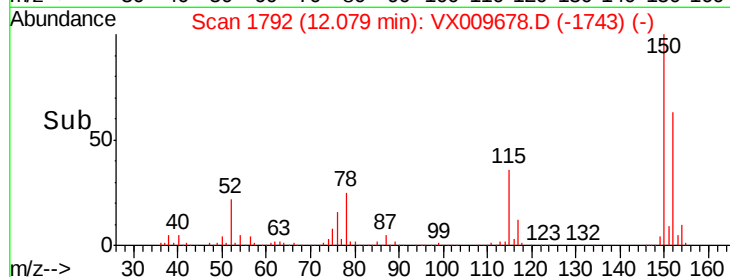
150 159.7 0.0 346.4



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



#74

N-ethyl acetate

Concen: 0.339 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009678.D

Acq: 17 May 2019 21:40

Tgt Ion: 43 Resp: 1348

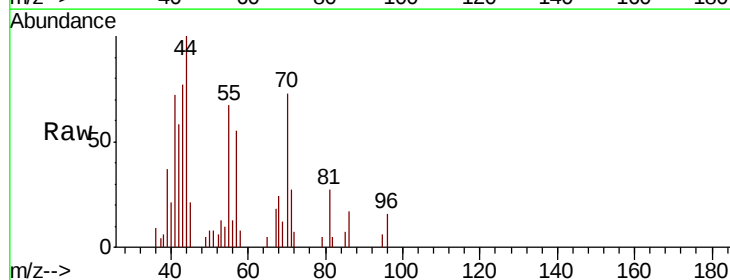
Ion Ratio Lower Upper

43 100

70 111.9 30.0 45.0#

55 105.7 17.9 26.9#

61 0.0 18.4 27.6#

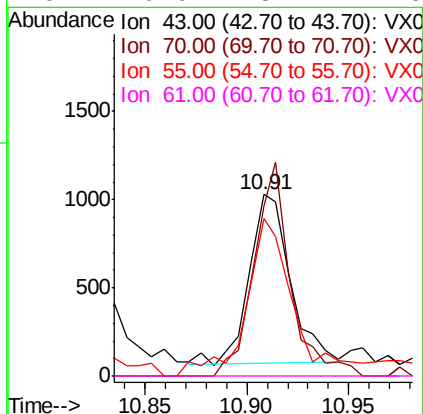
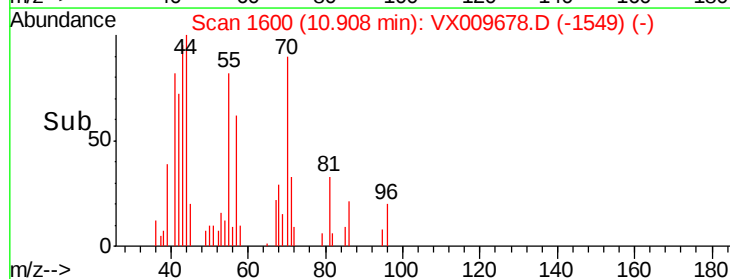


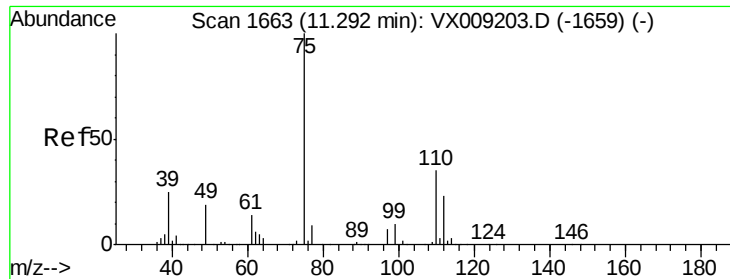
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

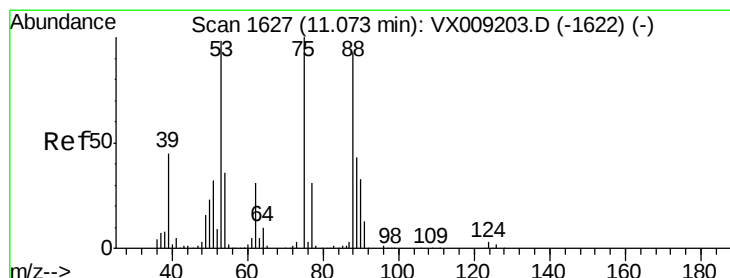
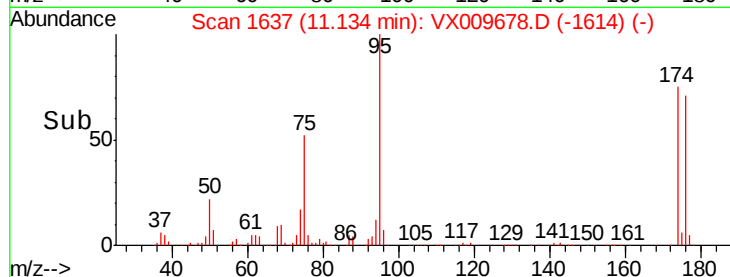
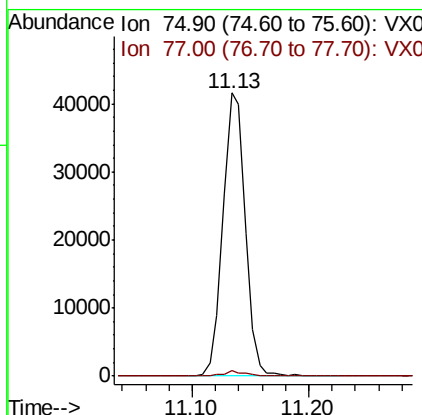
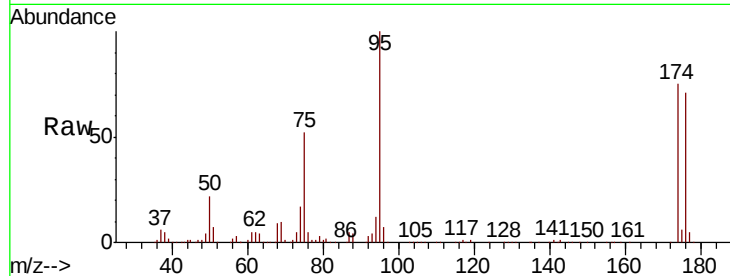




#76
 1,2,3-Trichloropropane
 Concen: 25.299 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009678.D
 Acq: 17 May 2019 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-558-560

Tot Ion: 75 Resp: 54986
 Ion Ratio Lower Upper
 75 100
 77 1.7 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.731 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009678.D
 Acq: 17 May 2019 21:40

Tgt Ion: 75 Resp: 54986
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

