

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009674.D
 Acq On : 17 May 2019 20:05
 Operator : JC/SP
 Sample : K2891-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-478-480

Quant Time: May 18 04:52:54 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	162243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	259569	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	224746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	91241	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	108719	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
35) Dibromofluoromethane	5.50	113	78662	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	8.71	98	326420	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	103881	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	

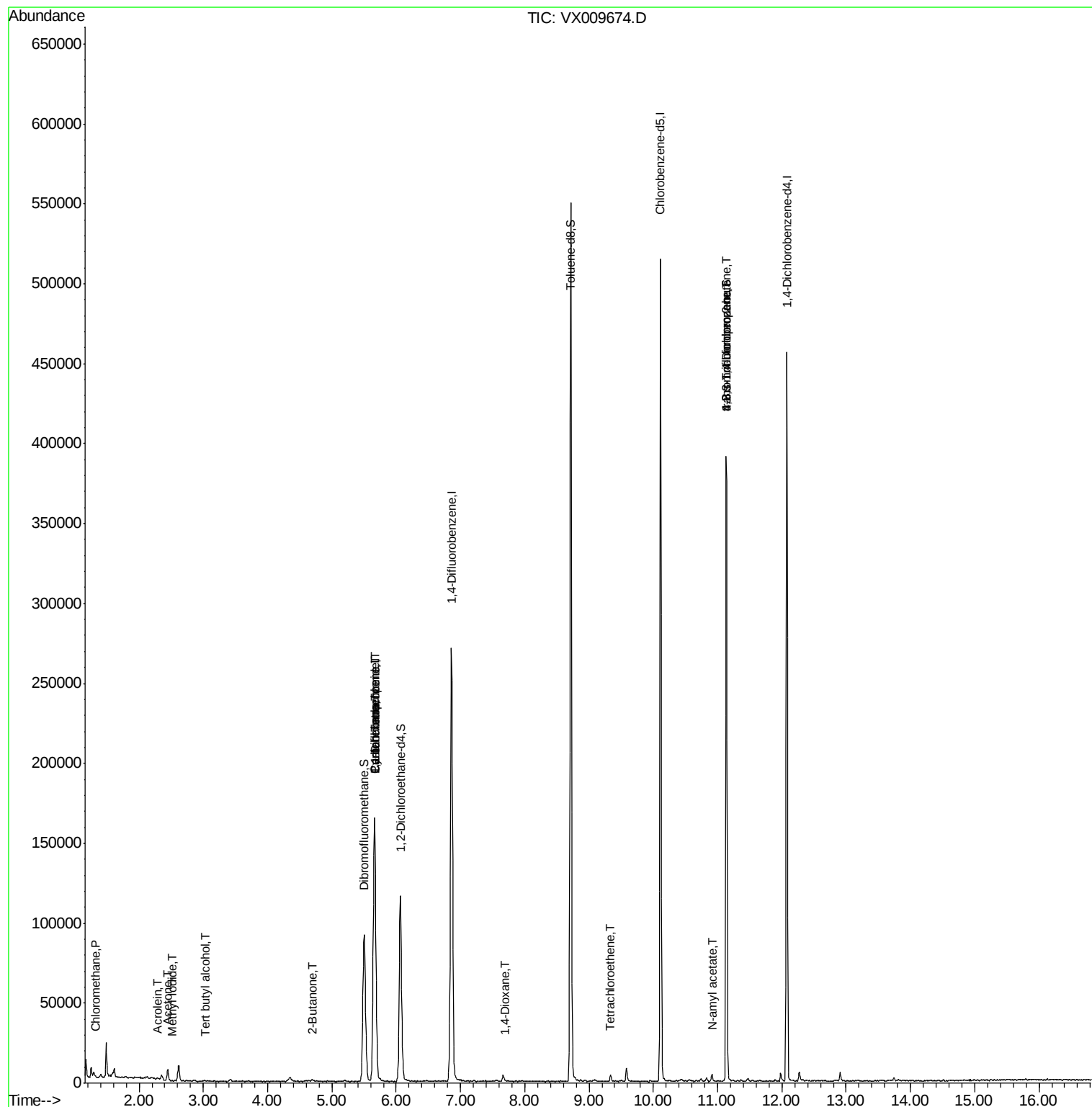
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	462	0.226	ug/l #	85
10) Methyl Iodide	2.53	142	113	4.652	ug/l #	42
11) Tert butyl alcohol	3.04	59	275	0.536	ug/l #	92
13) Acrolein	2.29	56	217	0.467	ug/l #	69
16) Acetone	2.45	43	7751	6.517	ug/l	94
25) 2-Butanone	4.70	43	2269	1.228	ug/l	98
28) Bromochloromethane	5.03	49	44	Below Cal	#	20
31) Cyclohexane	5.67	56	3770	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12778	5.297	ug/l #	46
38) Carbon Tetrachloride	5.66	117	15543	7.092	ug/l #	16
49) 1,4-Dioxane	7.70	88	20	0.370	ug/l #	1
64) Tetrachloroethene	9.34	164	695	0.451	ug/l #	78
74) N-amyl acetate	10.91	43	1050	0.271	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	53453	25.256	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	53453	64.621	ug/l #	10

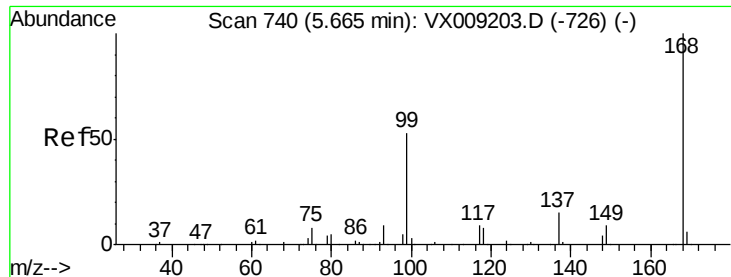
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 18 04:52:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

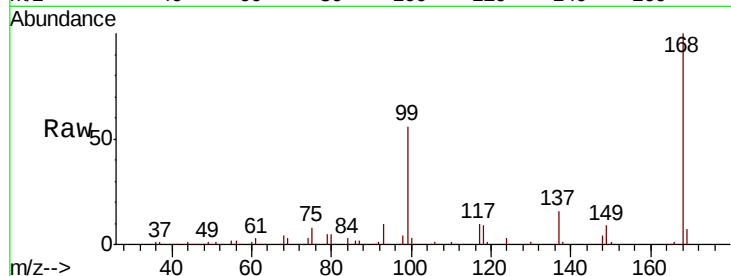
BP-VPB202-GW-478-480

Tot Ion:168 Resp: 162243

Ion Ratio Lower Upper

168 100

99 55.9 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

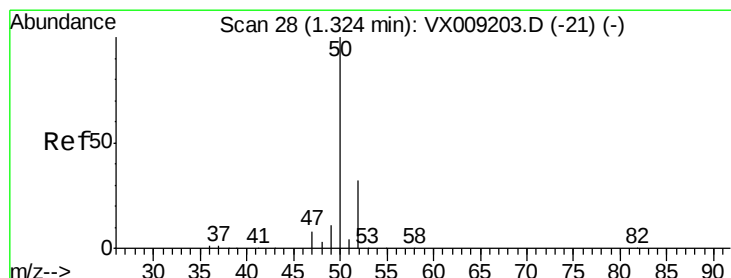
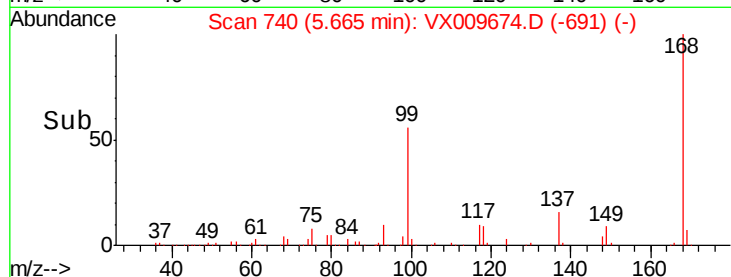
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009674.D

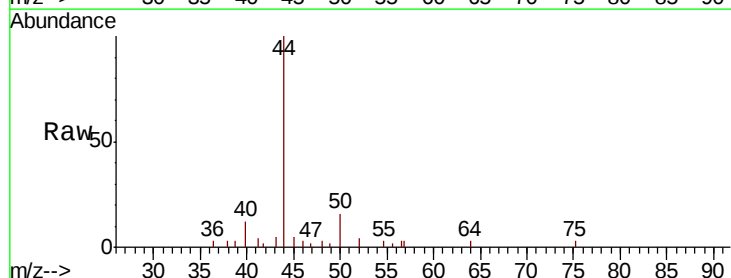
Acq: 17 May 2019 20:05

Tgt Ion: 50 Resp: 462

Ion Ratio Lower Upper

50 100

52 23.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

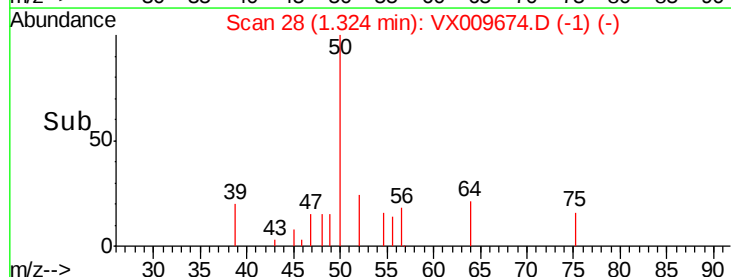
200

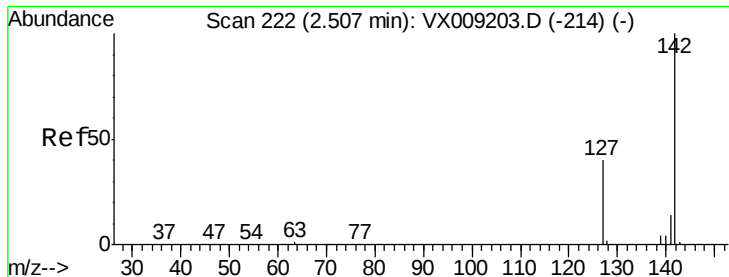
100

0

Time-->

1.30 1.35

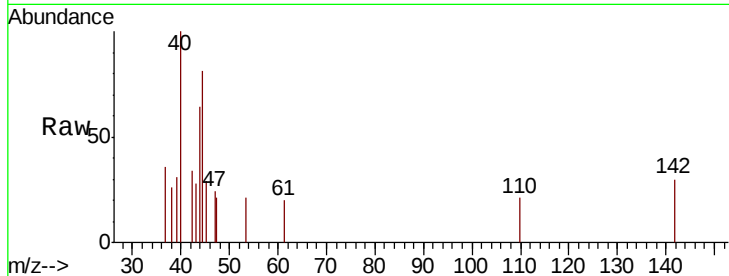




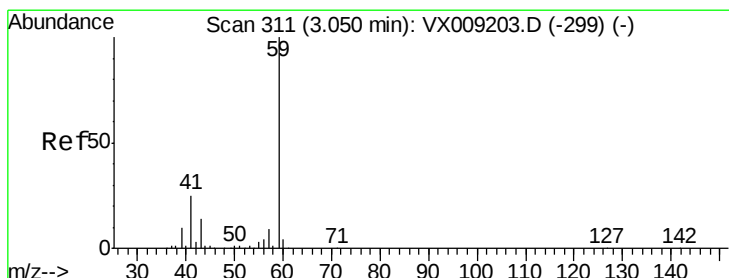
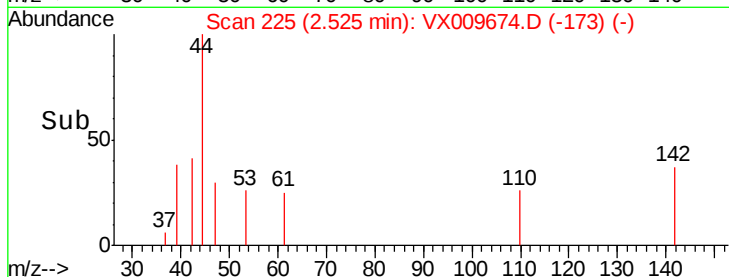
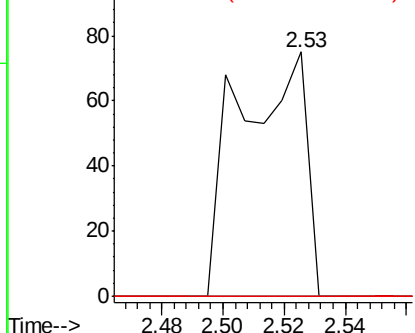
#10
Methvl Iodide
Concen: 4.652 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009674.D
Acq: 17 May 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-478-480

Tot Ion:142 Resp: 113
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

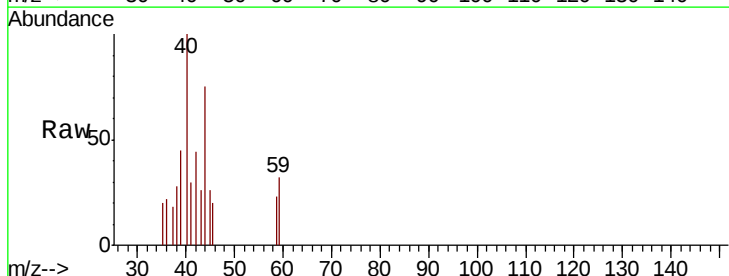


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

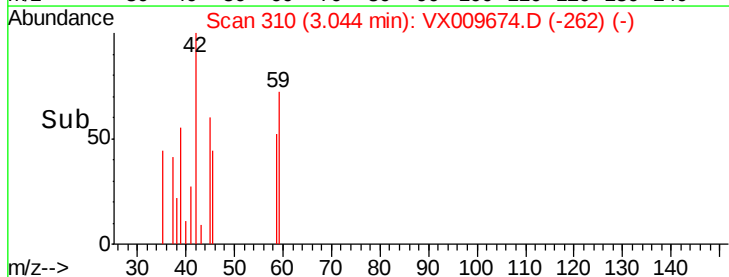
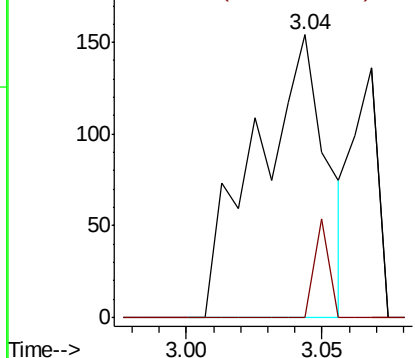


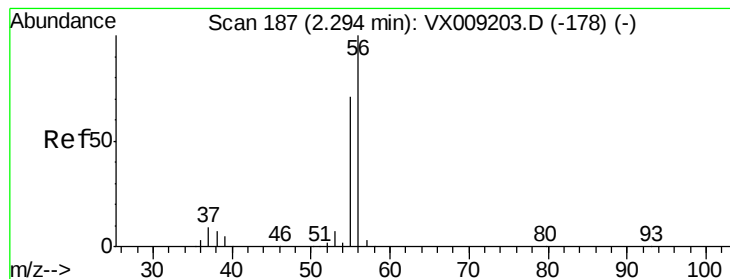
#11
Tert butyl alcohol
Concen: 0.536 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009674.D
Acq: 17 May 2019 20:05

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 7.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.467 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

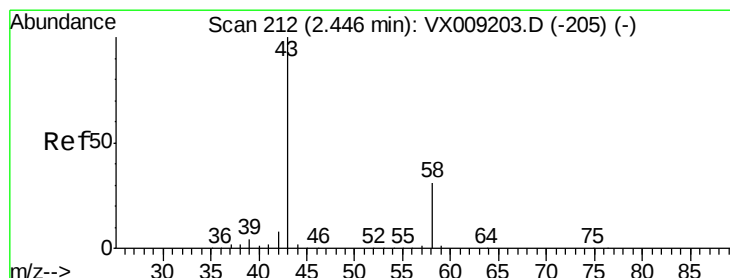
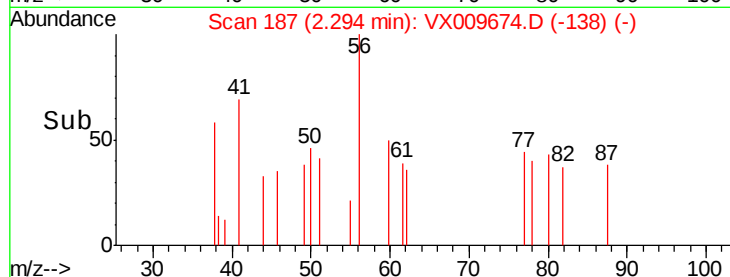
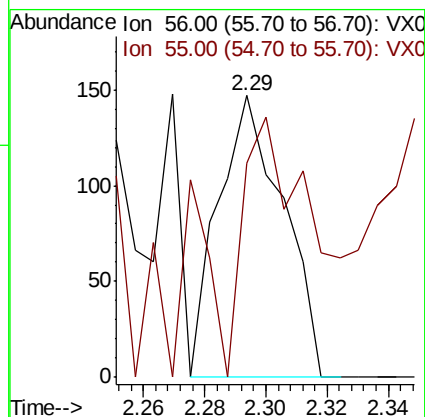
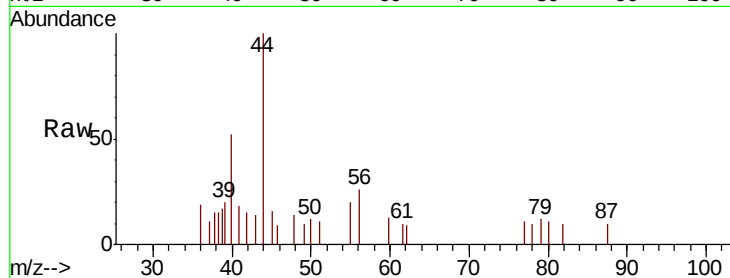
BP-VPB202-GW-478-480

Tot Ion: 56 Resp: 217

Ion Ratio Lower Upper

56 100

55 96.3 56.6 85.0#



#16

Acetone

Concen: 6.517 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009674.D

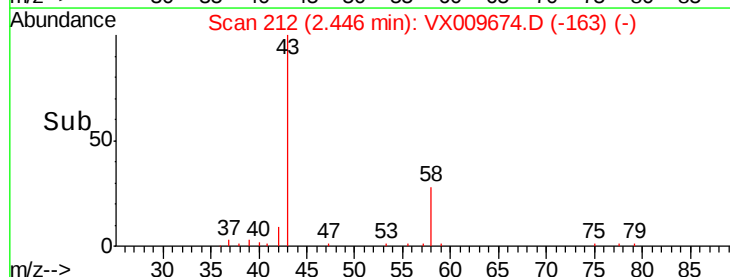
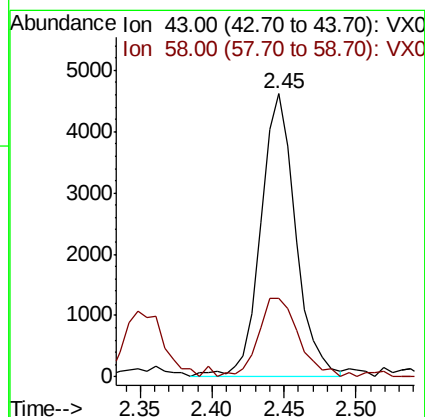
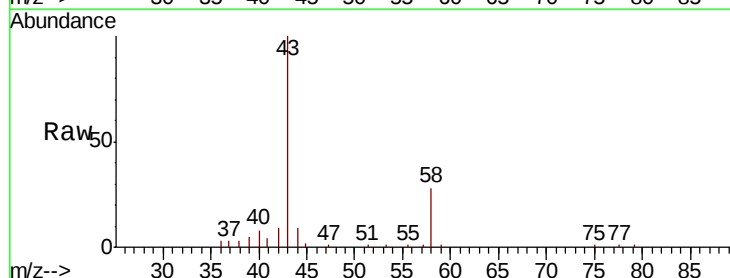
Acq: 17 May 2019 20:05

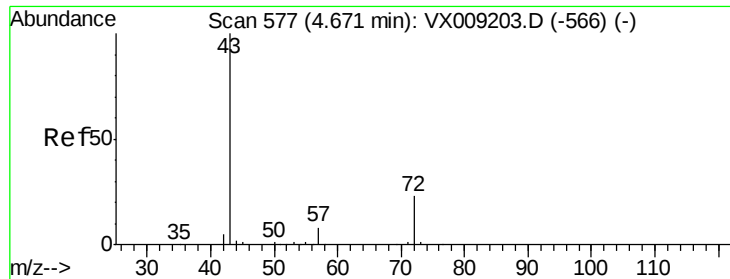
Tgt Ion: 43 Resp: 7751

Ion Ratio Lower Upper

43 100

58 27.6 24.9 37.3





#25

2-Butanone

Concen: 1.228 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

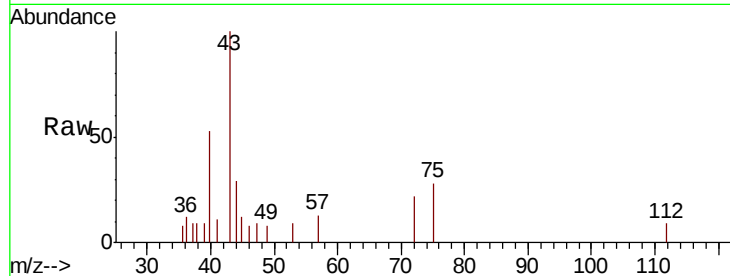
BP-VPB202-GW-478-480

Tot Ion: 43 Resp: 2269

Ion Ratio Lower Upper

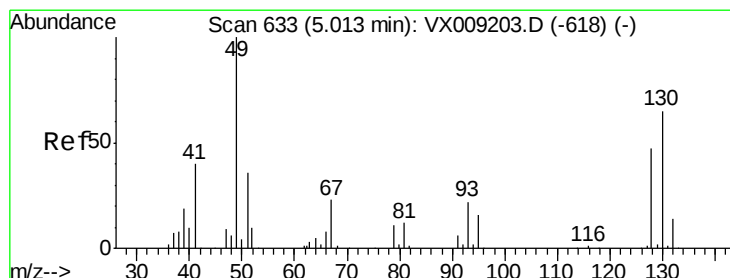
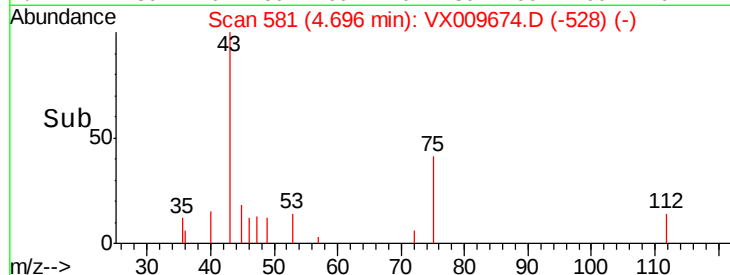
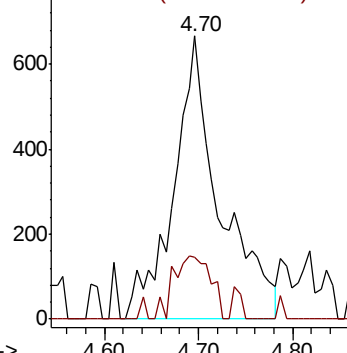
43 100

72 21.9 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

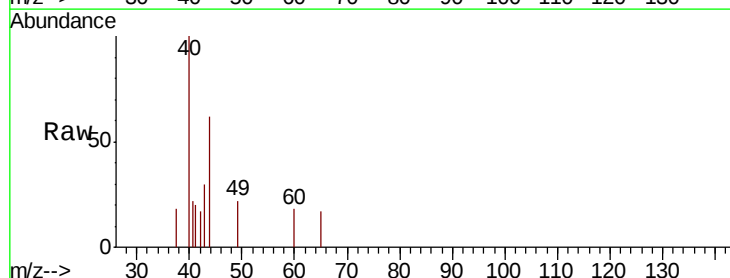
Tgt Ion: 49 Resp: 44

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

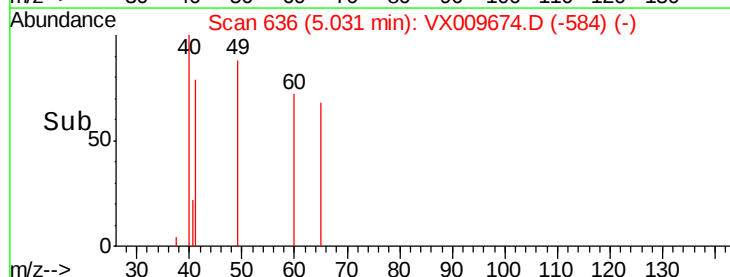
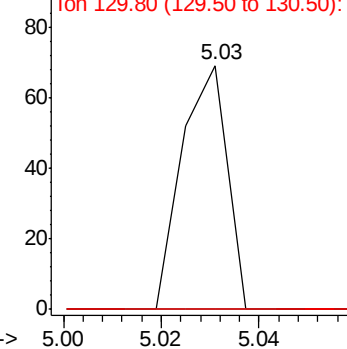
130 0.0 51.2 76.8#

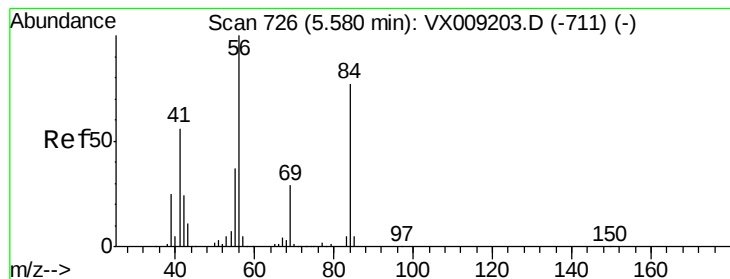


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.151 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.09 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-478-480

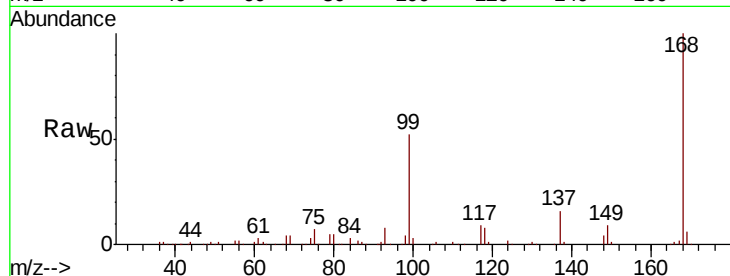
Tot Ion: 56 Resp: 3770

Ion Ratio Lower Upper

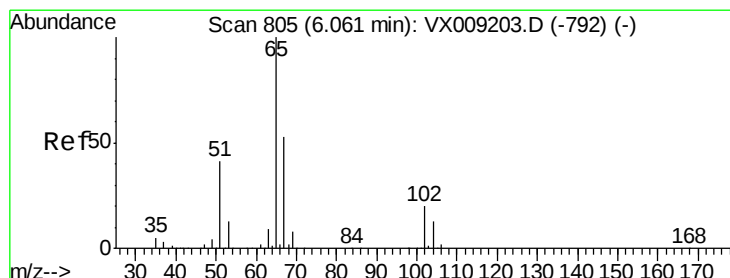
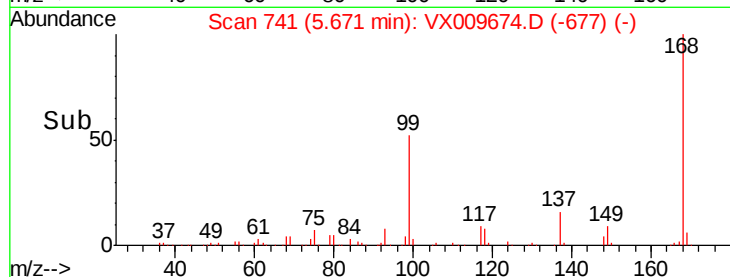
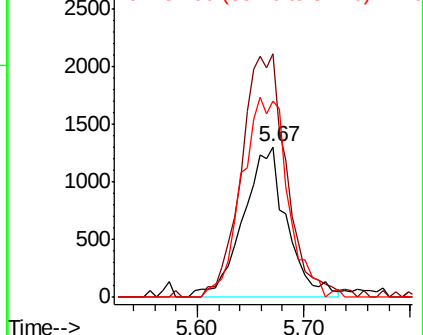
56 100

69 161.6 23.4 35.0#

84 130.6 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



#33

1,2-Dichloroethane-d4

Concen: 49.087 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009674.D

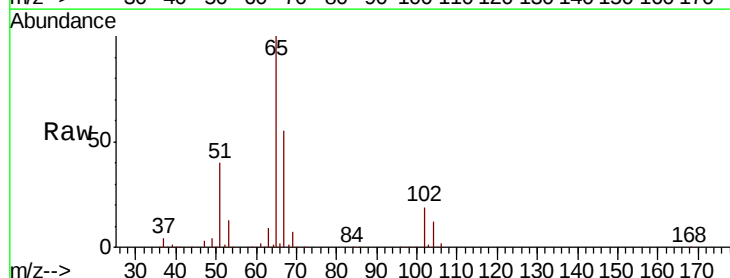
Acq: 17 May 2019 20:05

Tgt Ion: 65 Resp: 108719

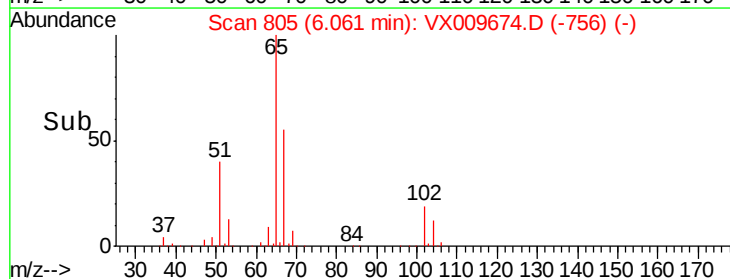
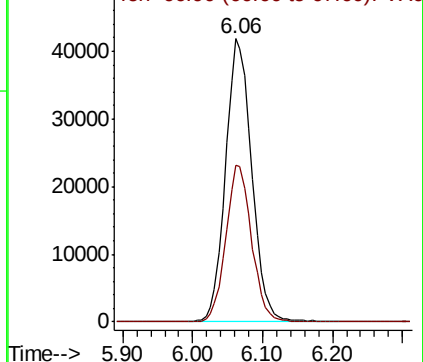
Ion Ratio Lower Upper

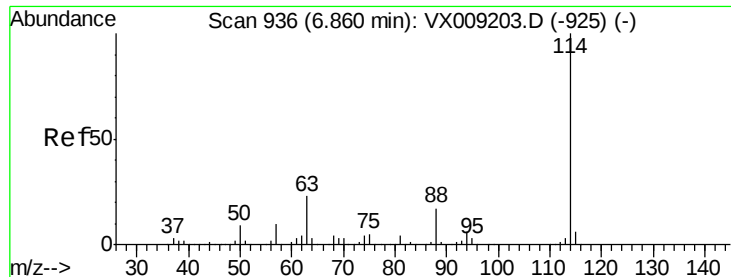
65 100

67 54.5 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: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

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ClientSampleId :

BP-VPB202-GW-478-480

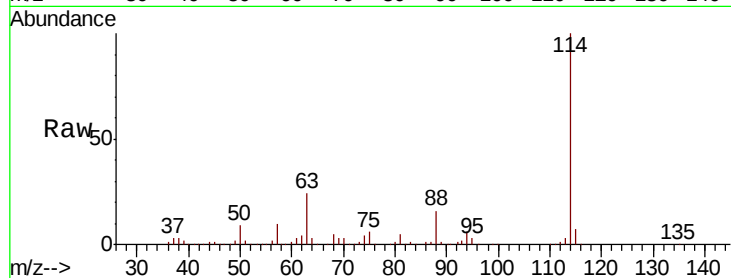
Tot Ion:114 Resp: 259569

Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.6

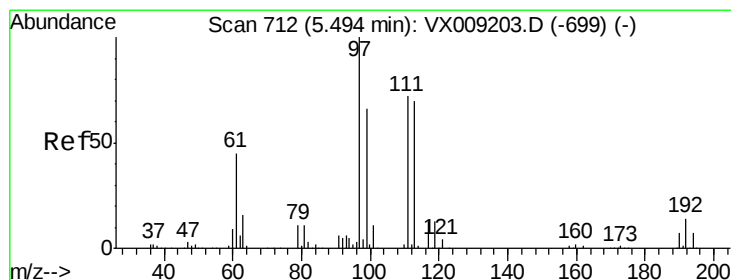
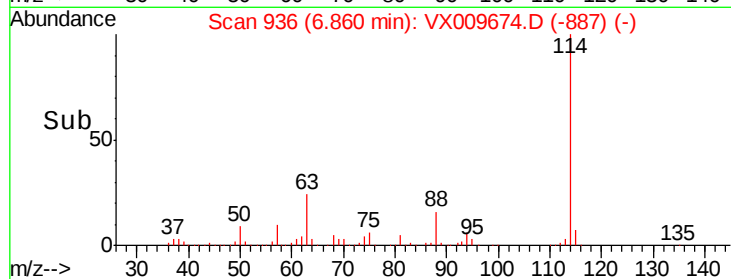
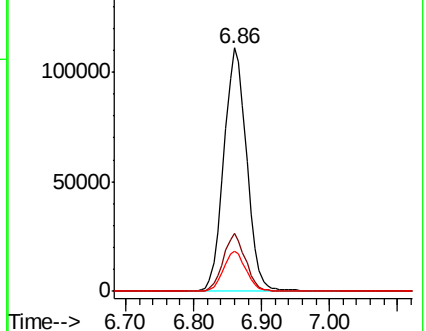
88 16.4 0.0 33.2



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: 48.207 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

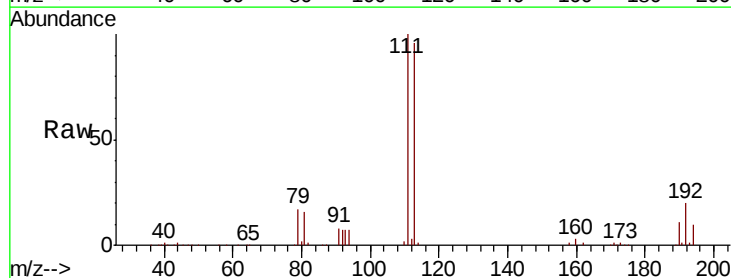
Tgt Ion:113 Resp: 78662

Ion Ratio Lower Upper

113 100

111 104.8 82.8 124.2

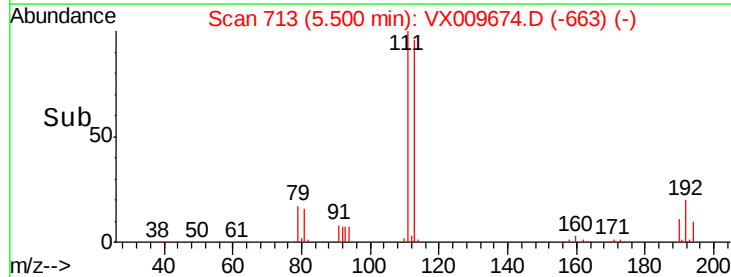
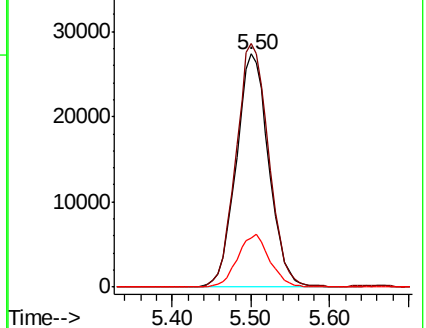
192 22.2 17.0 25.6

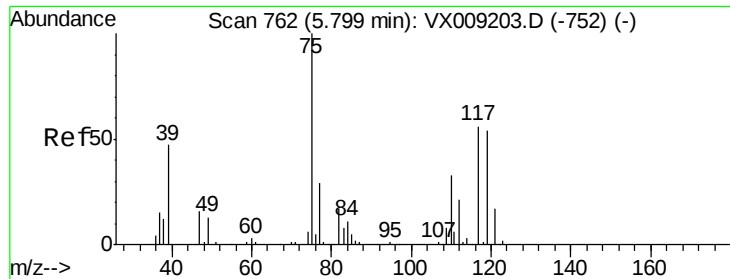


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

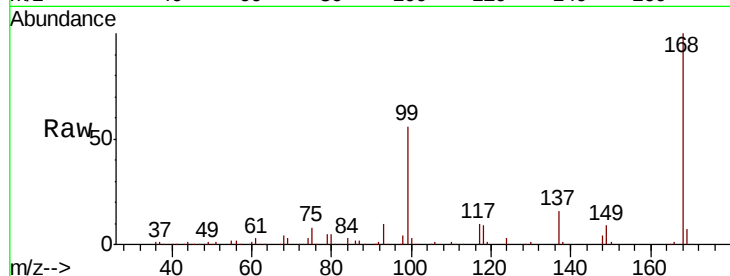




#36
 1,1-Dichloropropene
 Concen: 5.297 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009674.D
 Acq: 17 May 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-478-480

Tot Ion	75	Resp	12778
Ion Ratio	100	Lower	Upper
110	3.9	16.9	50.6#
77	0.0	24.8	37.2#

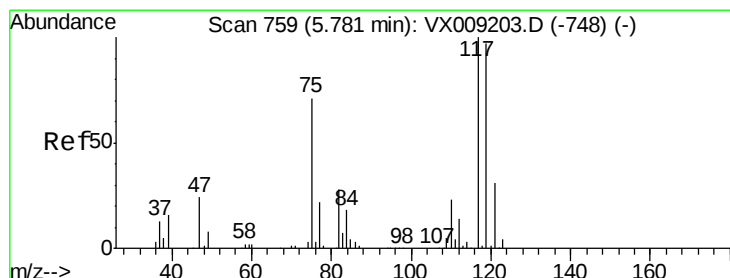
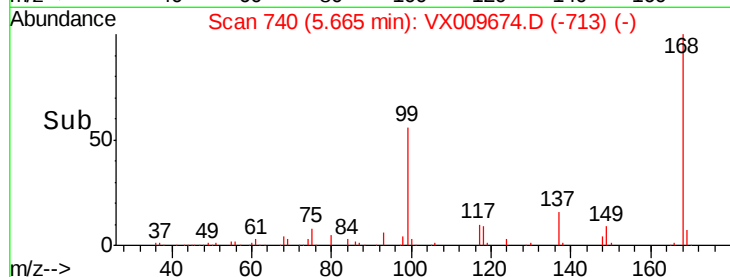
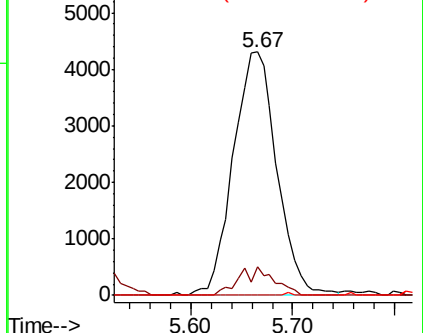


Abundance

Ion 74.90 (74.60 to 75.60): VX0

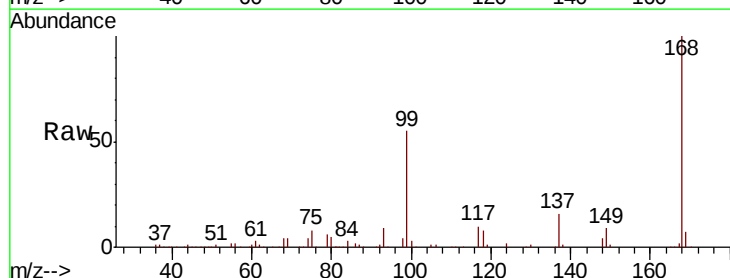
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 7.092 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009674.D
 Acq: 17 May 2019 20:05

Tgt Ion	117	Resp	15543
Ion Ratio	100	Lower	Upper
119	6.2	77.5	116.3#
121	0.0	24.7	37.1#

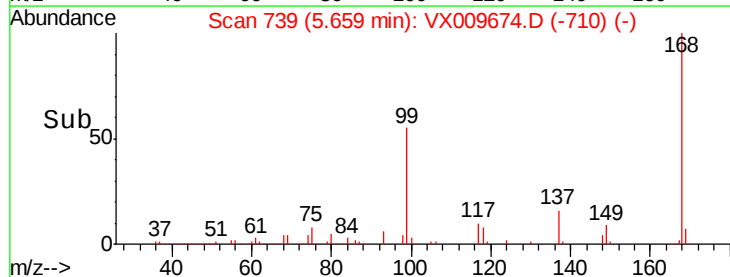
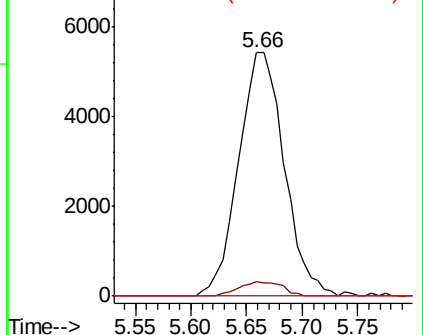


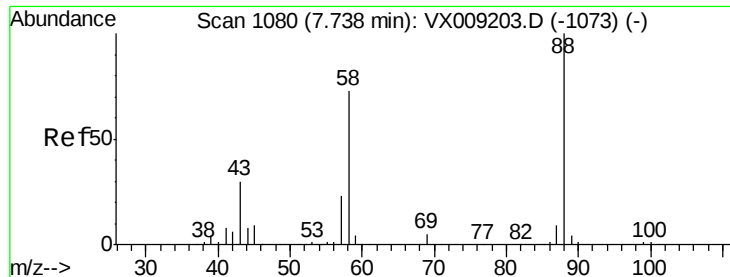
Abundance

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

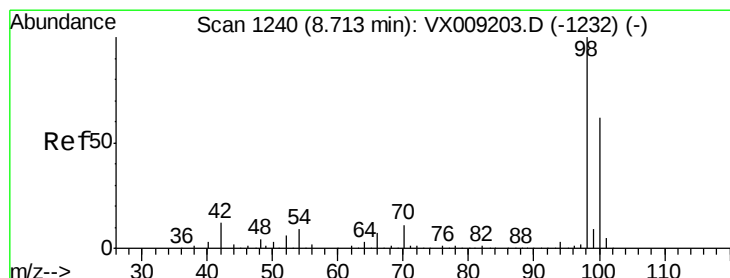
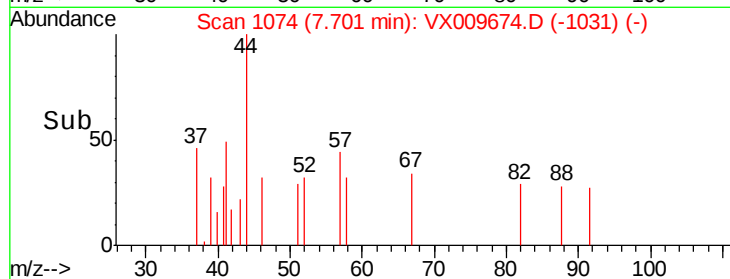
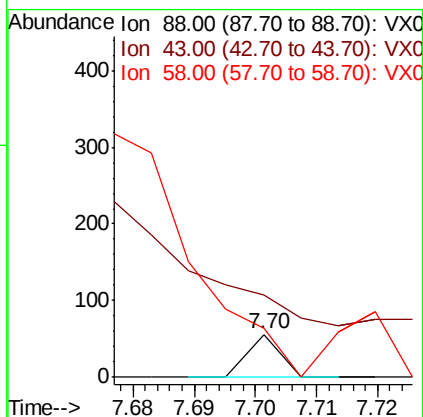
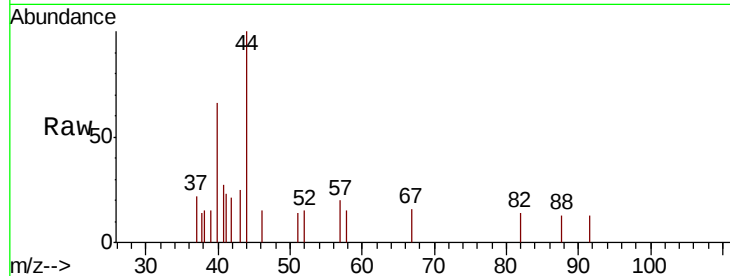




#49
1,4-Dioxane
Concen: 0.370 ug/l
RT: 7.70 min Scan# 1074
Delta R.T. -0.04 min
Lab File: VX009674.D
Acq: 17 May 2019 20:05

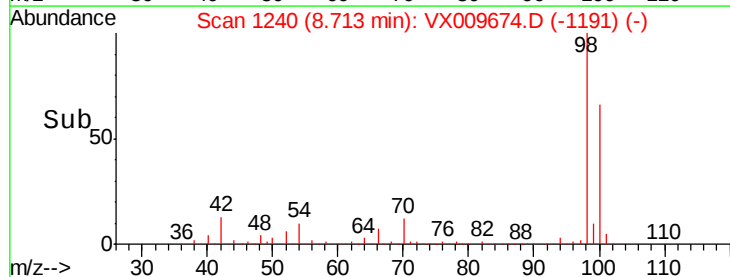
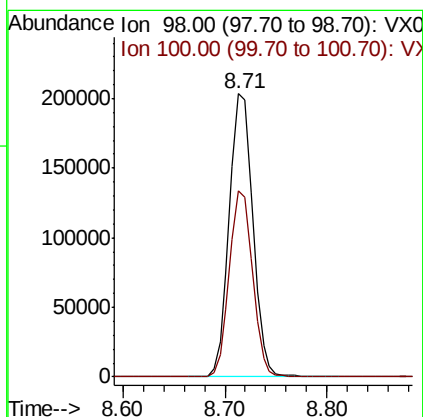
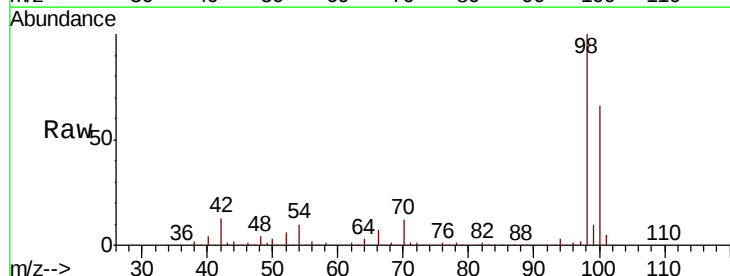
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-478-480

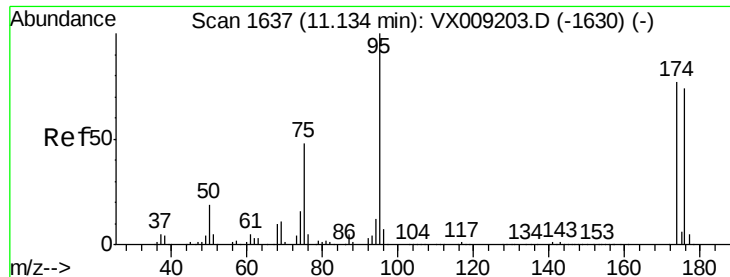
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 410.0 61.7 92.5#



#50
Toluene-d8
Concen: 49.549 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009674.D
Acq: 17 May 2019 20:05

Tgt Ion: 98 Resp: 326420
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 43.397 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-478-480

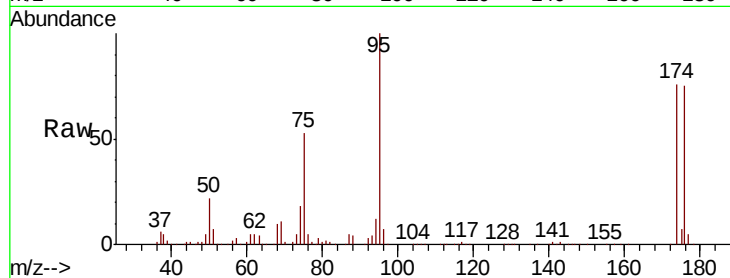
Tot Ion: 95 Resp: 103881

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

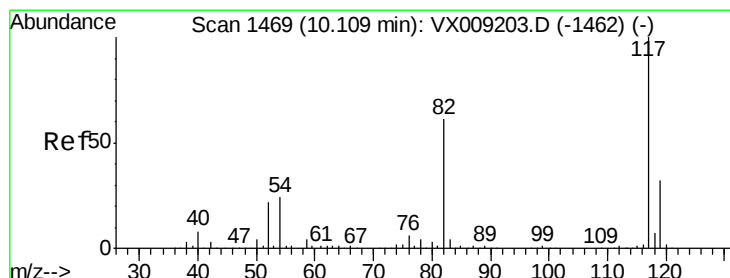
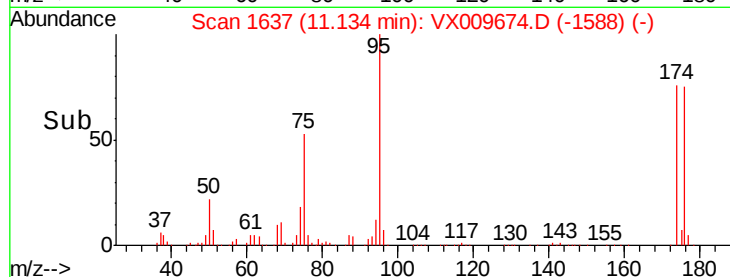
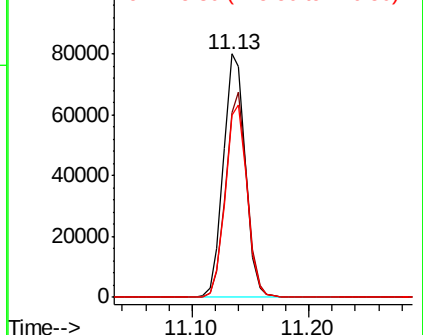
176 78.9 0.0 159.2



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: VX009674.D

Acq: 17 May 2019 20:05

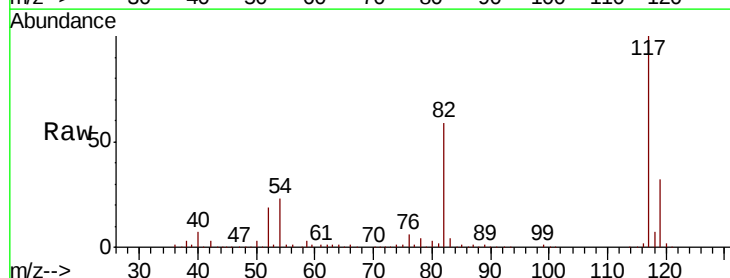
Tgt Ion: 117 Resp: 224746

Ion Ratio Lower Upper

117 100

82 58.5 48.8 73.2

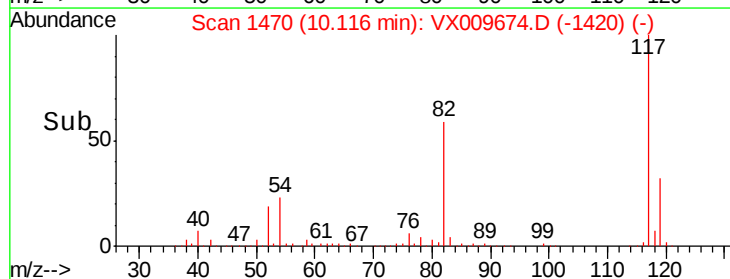
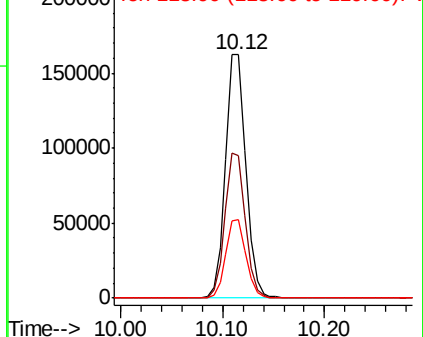
119 32.1 25.8 38.6

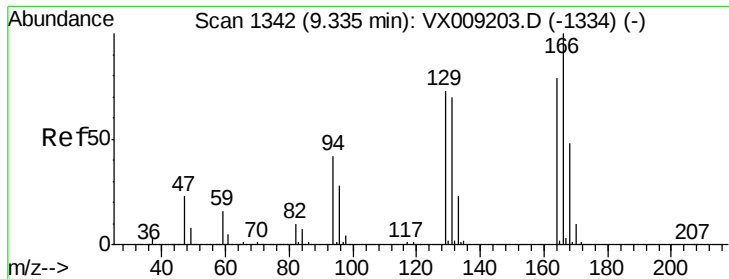


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.451 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-478-480

Tot Ion:164 Resp: 695

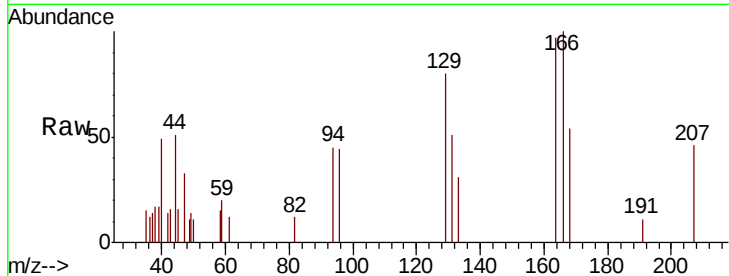
Ion Ratio Lower Upper

164 100

166 103.6 101.2 151.8

129 82.9 74.3 111.5

131 52.8 71.0 106.6#

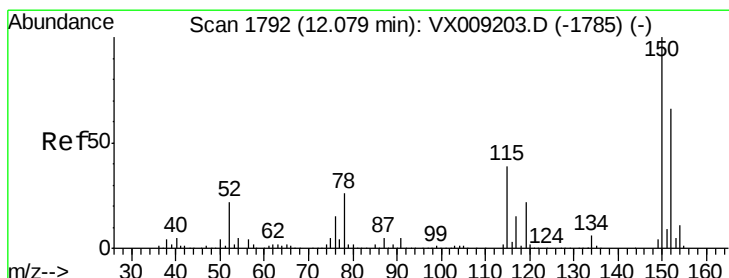
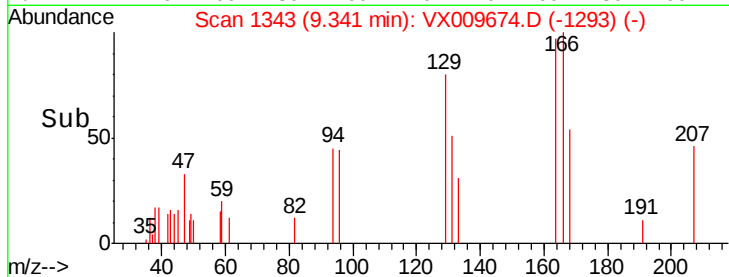
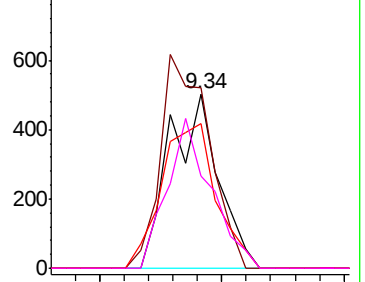


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX009674.D

Acq: 17 May 2019 20:05

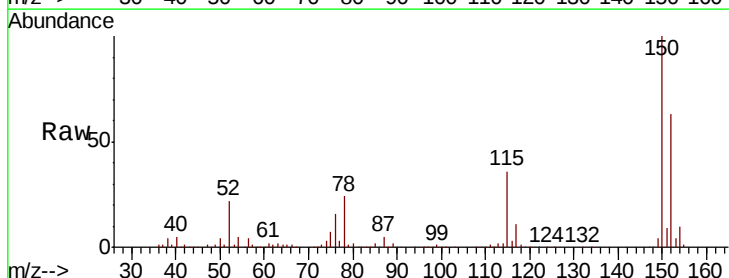
Tgt Ion:152 Resp: 91241

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

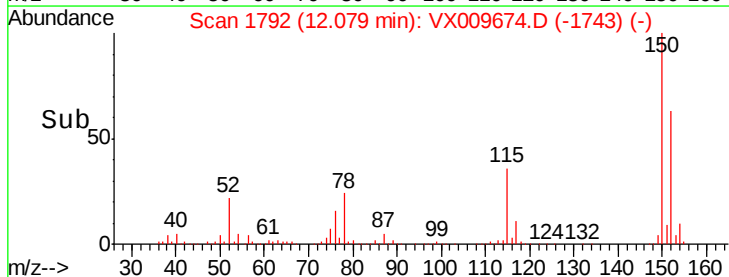
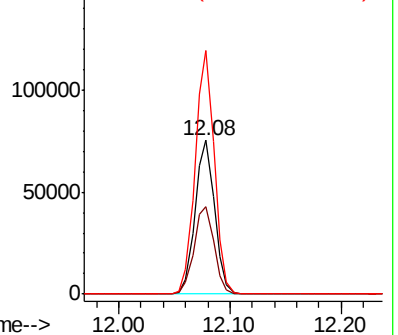
150 155.4 0.0 346.4

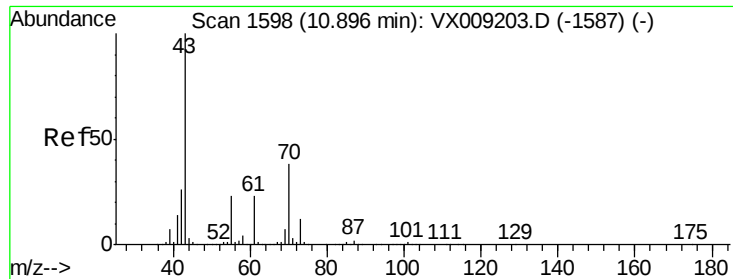


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.271 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-478-480

Tot Ion: 43 Resp: 1050

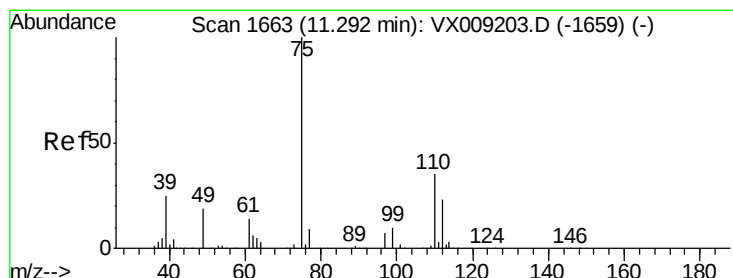
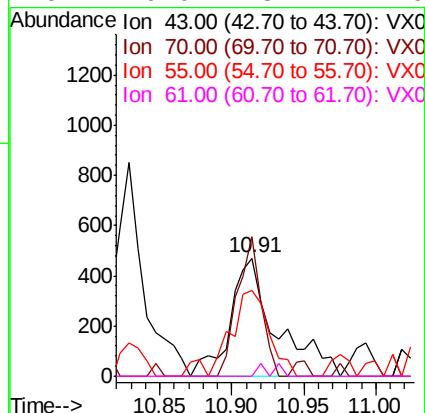
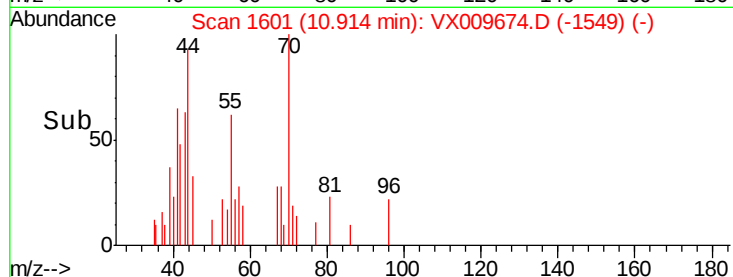
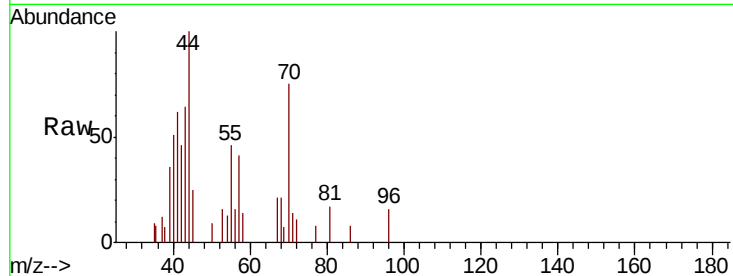
Ion Ratio Lower Upper

43 100

70 61.3 30.0 45.0#

55 62.5 17.9 26.9#

61 0.0 18.4 27.6#



#76

1,2,3-Trichloropropane

Concen: 25.256 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009674.D

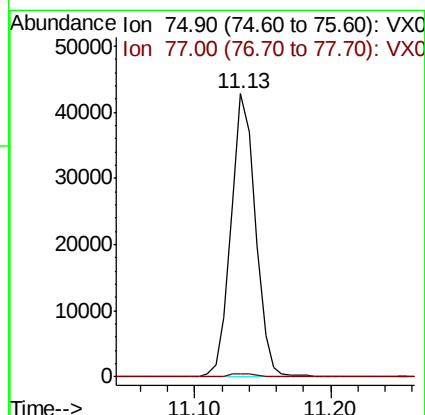
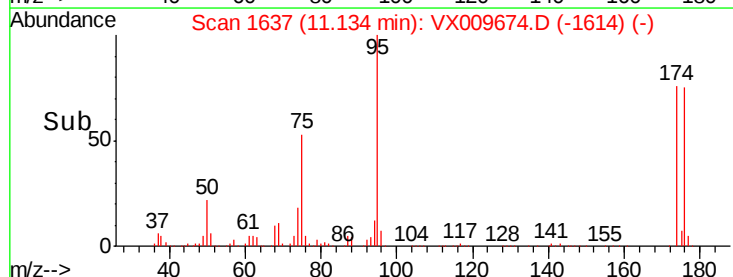
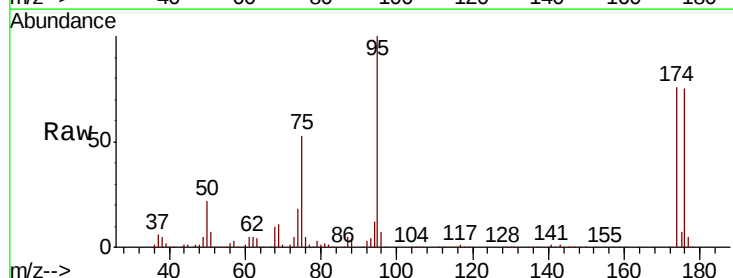
Acq: 17 May 2019 20:05

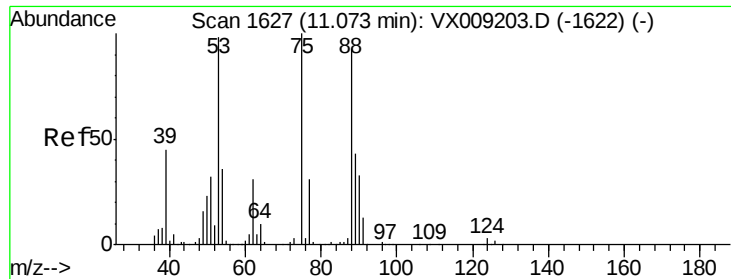
Tgt Ion: 75 Resp: 53453

Ion Ratio Lower Upper

75 100

77 1.5 22.1 66.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.621 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009674.D

Acq: 17 May 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-478-480

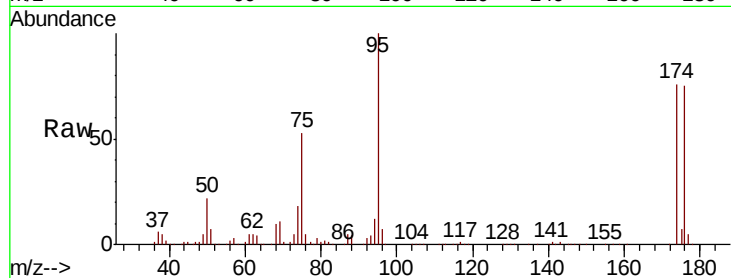
Tot Ion: 75 Resp: 53453

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#



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

