

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\
 Data File : VX009723.D
 Acq On : 20 May 2019 14:05
 Operator : JC/SP
 Sample : K2952-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-658-660

Quant Time: May 21 07:41:03 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	171308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272899	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95893	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	114148	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	5.50	113	83560	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	8.71	98	342548	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.13	95	110041	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

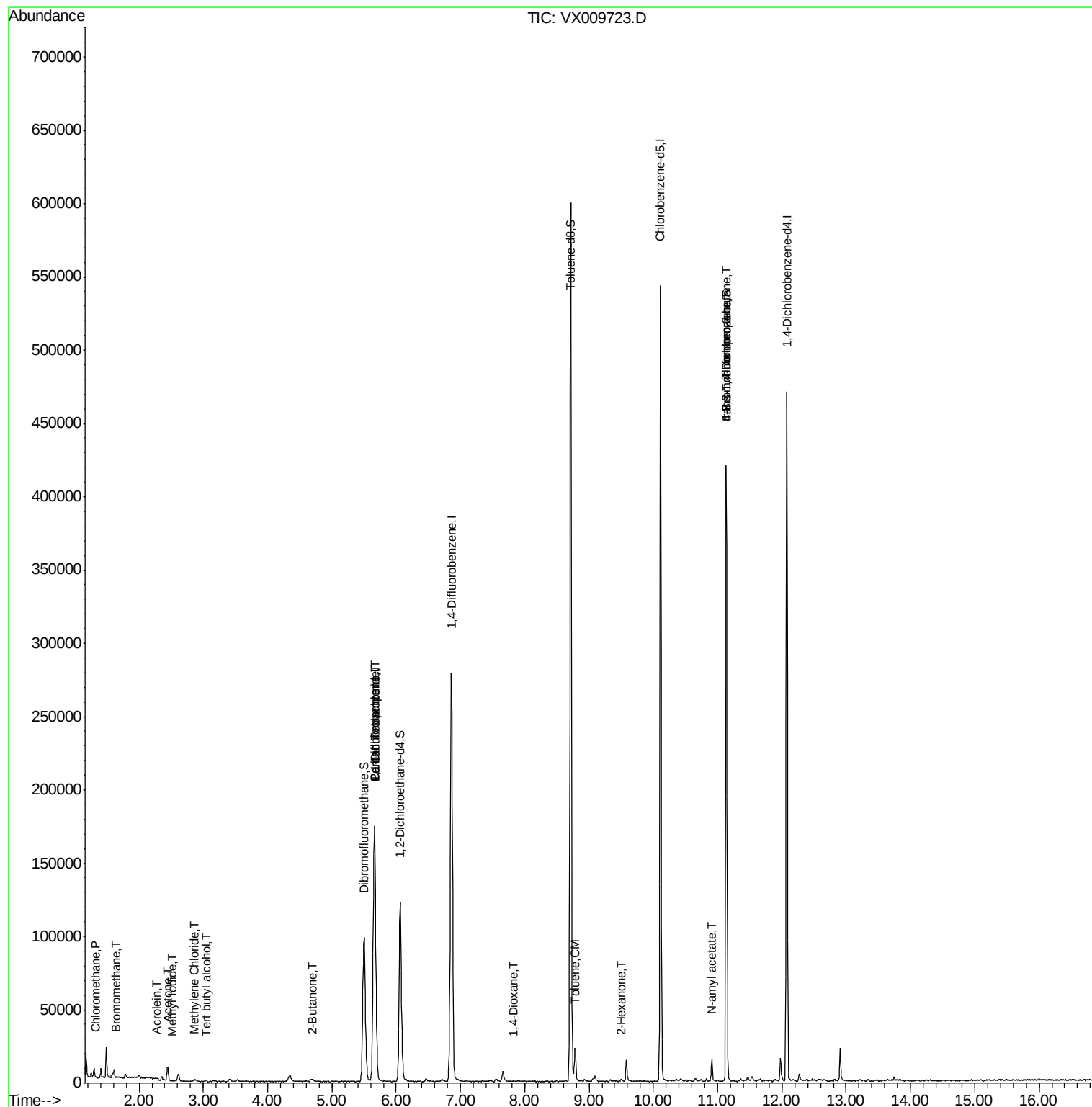
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	567	0.263	ug/l #	88
5) Bromomethane	1.64	94	320	0.254	ug/l #	16
10) Methyl Iodide	2.51	142	202	4.692	ug/l #	82
11) Tert butyl alcohol	3.05	59	155	0.286	ug/l #	51
13) Acrolein	2.28	56	236	0.481	ug/l #	22
16) Acetone	2.45	43	10640	8.473	ug/l	95
20) Methylene Chloride	2.85	84	455	0.224	ug/l #	91
25) 2-Butanone	4.69	43	3242	1.661	ug/l	95
28) Bromochloromethane	5.04	49	57	Below Cal	#	20
36) 1,1-Dichloropropene	5.67	75	13326	5.255	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16253	7.054	ug/l #	16
49) 1,4-Dioxane	7.82	88	42	0.739	ug/l #	1
52) Toluene	8.79	92	7727	1.620	ug/l	99
59) 2-Hexanone	9.50	43	1355	0.467	ug/l	93
74) N-amyl acetate	10.91	43	2370	0.583	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	55880	25.122	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55880	64.277	ug/l #	10

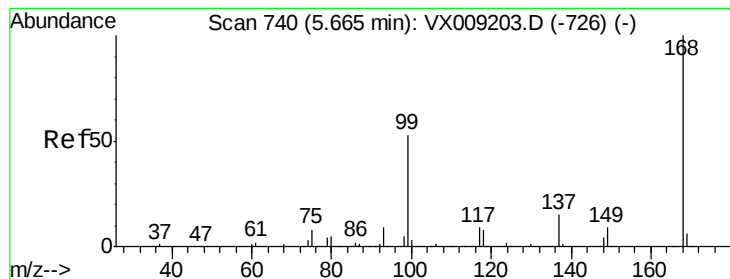
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

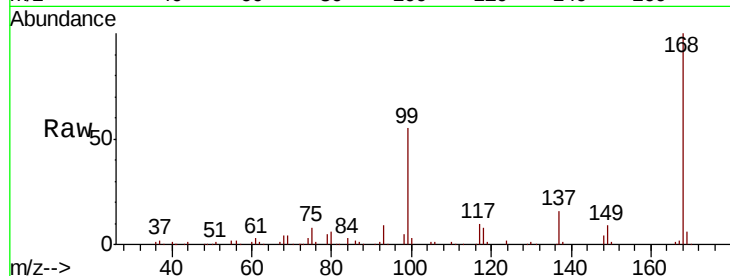
BP-VPB202-GW-658-660

Tot Ion:168 Resp: 171308

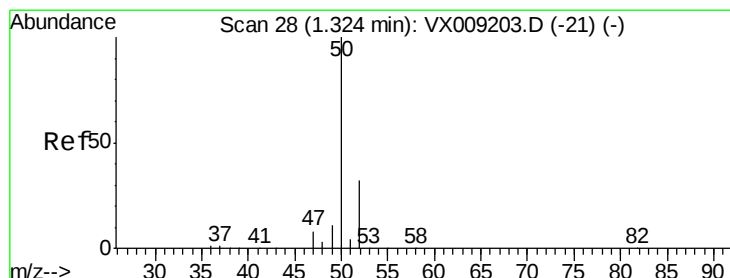
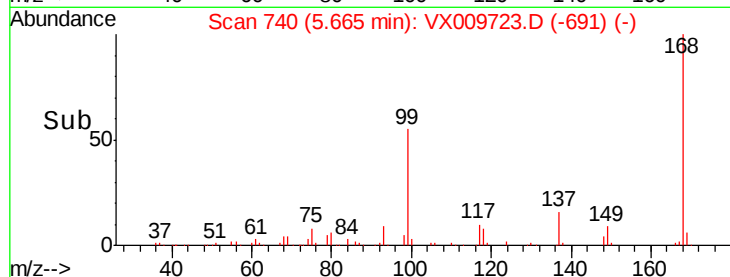
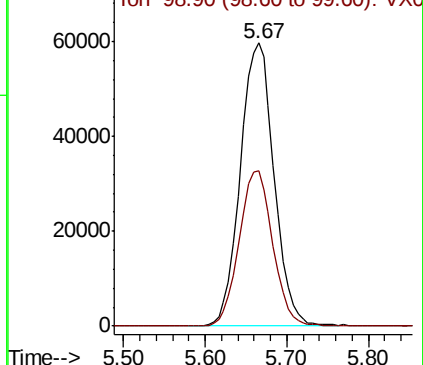
Ion Ratio Lower Upper

168 100

99 55.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009723.D (-691) (-)



#3

Chloromethane

Concen: 0.263 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009723.D

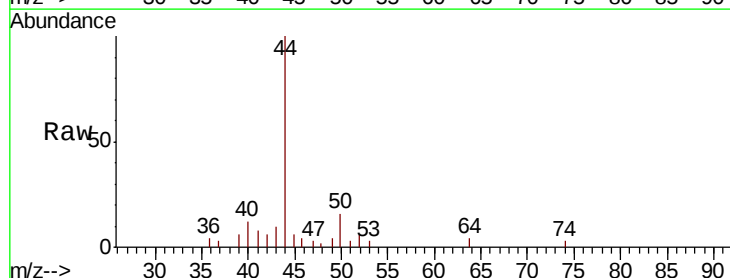
Acq: 20 May 2019 14:05

Tgt Ion: 50 Resp: 567

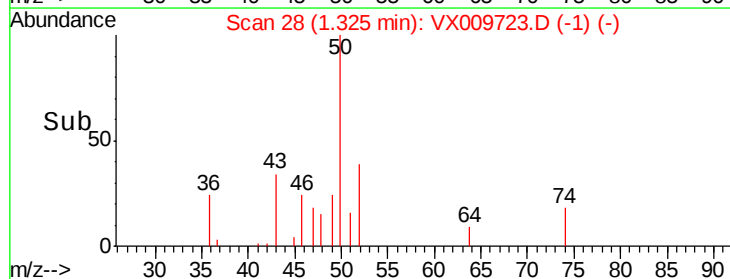
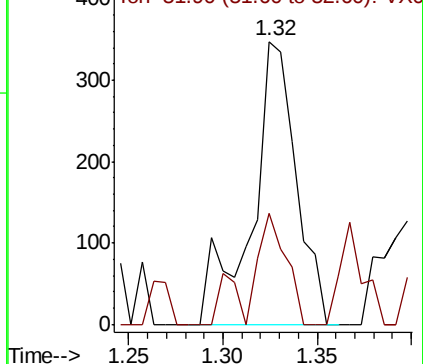
Ion Ratio Lower Upper

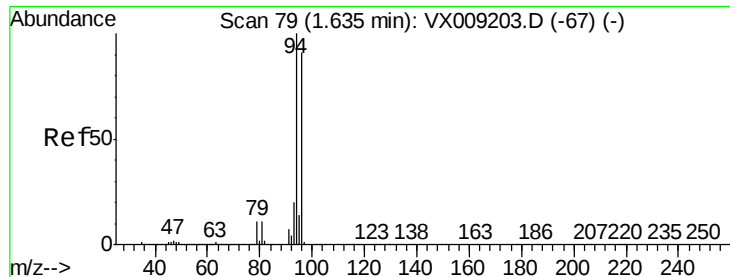
50 100

52 39.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX009723.D (-1) (-)





#5

Bromomethane

Concen: 0.254 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

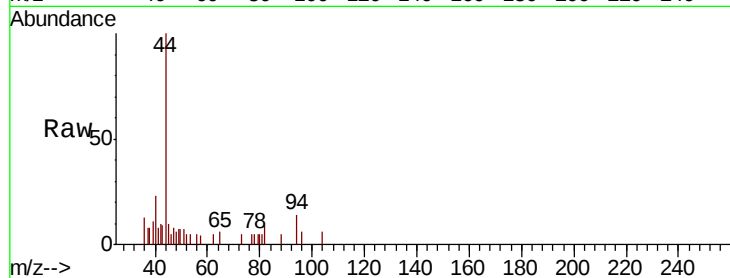
BP-VPB202-GW-658-660

Tot Ion: 94 Resp: 320

Ion Ratio Lower Upper

94 100

96 11.7 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

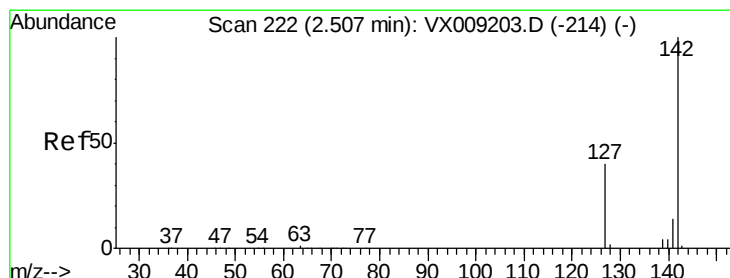
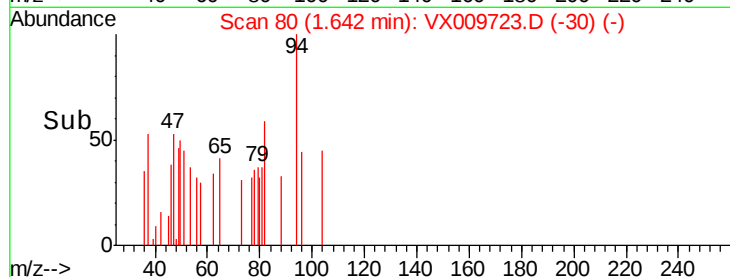
150

100

50

0

Time--> 1.60 1.65 1.70



#10

Methyl Iodide

Concen: 4.692 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

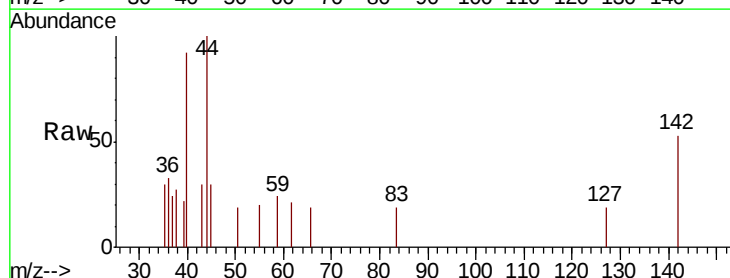
Tgt Ion: 142 Resp: 202

Ion Ratio Lower Upper

142 100

127 33.7 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

2.51

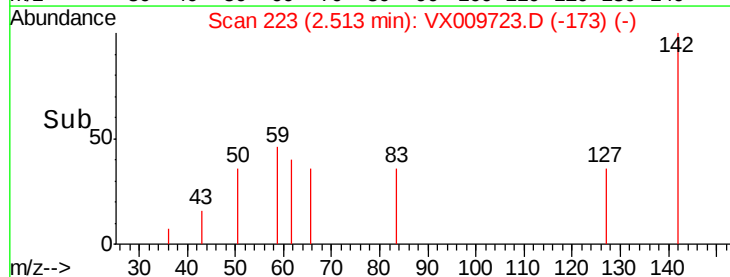
150

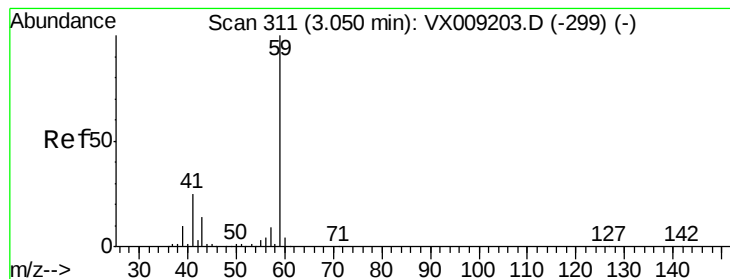
100

50

0

Time--> 2.48 2.50 2.52 2.54



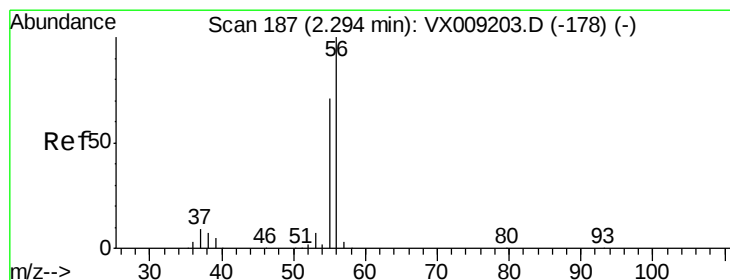
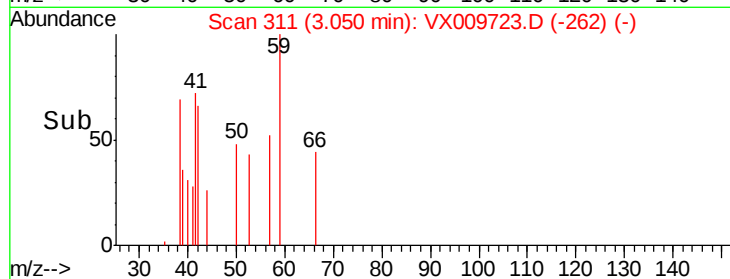
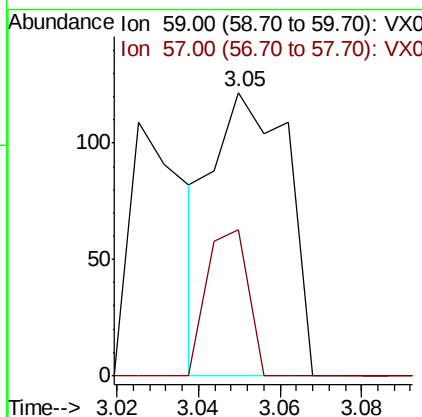
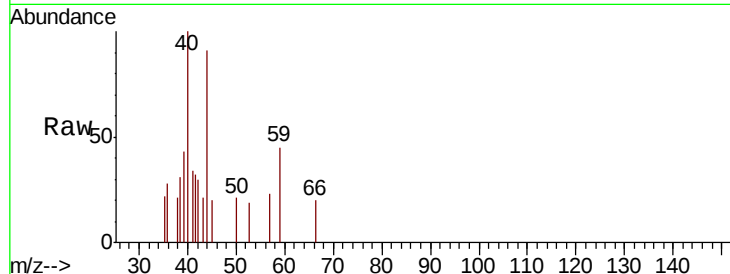


#11

Tert butvl alcohol
 Concen: 0.286 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009723.D
 Acq: 20 May 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-658-660

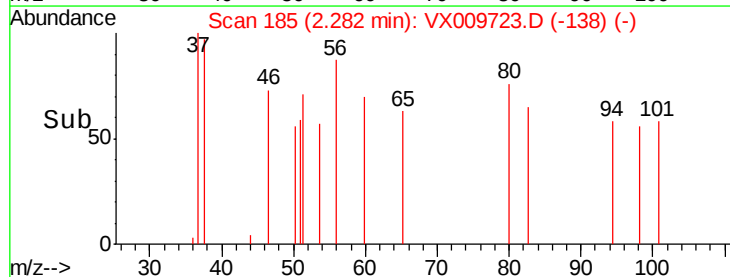
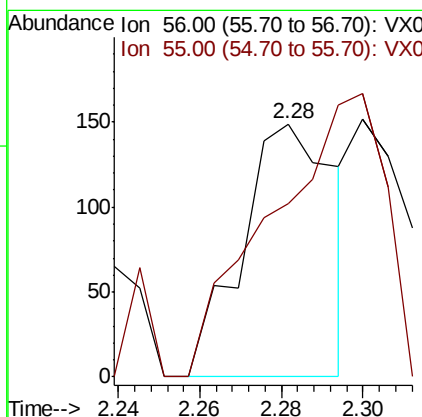
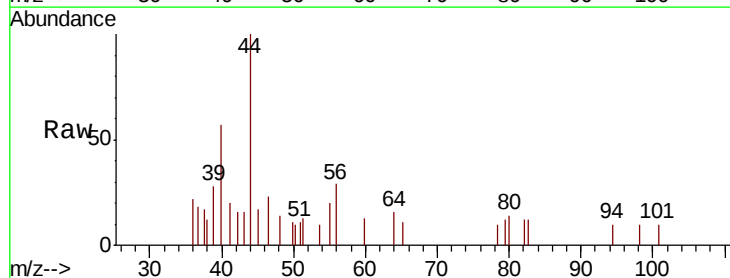
Tot Ion: 59 Resp: 155
 Ion Ratio Lower Upper
 59 100
 57 28.4 8.2 12.2#

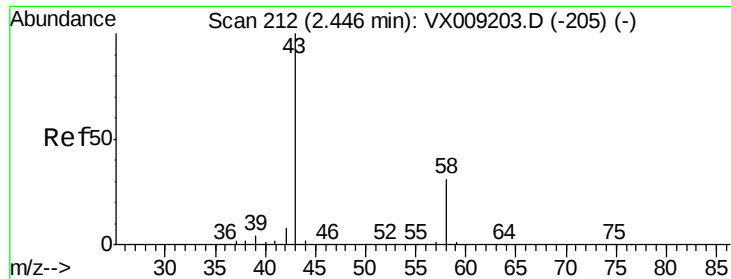


#13

Acrolein
 Concen: 0.481 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX009723.D
 Acq: 20 May 2019 14:05

Tgt Ion: 56 Resp: 236
 Ion Ratio Lower Upper
 56 100
 55 135.6 56.6 85.0#





#16

Acetone

Concen: 8.473 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

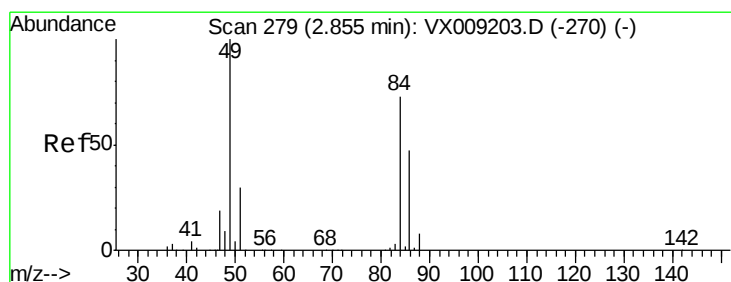
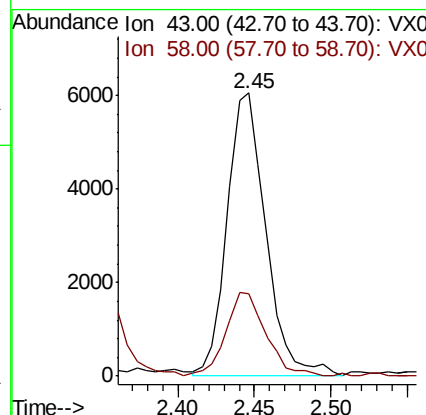
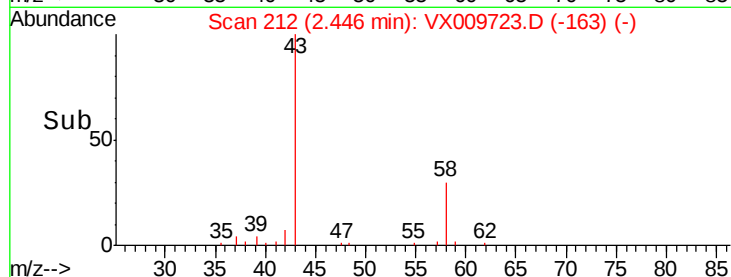
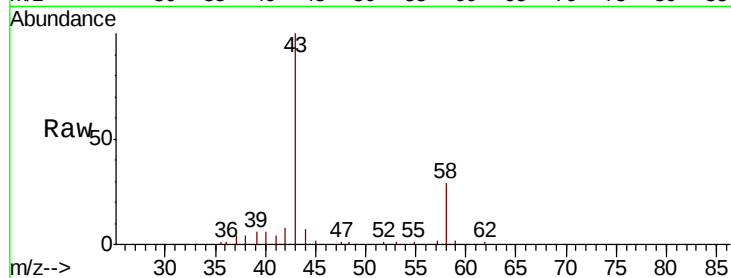
BP-VPB202-GW-658-660

Tot Ion: 43 Resp: 10640

Ion Ratio Lower Upper

43 100

58 28.3 24.9 37.3



#20

Methylene Chloride

Concen: 0.224 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Tgt Ion: 84 Resp: 455

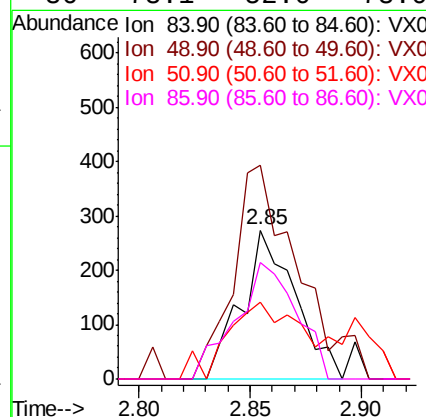
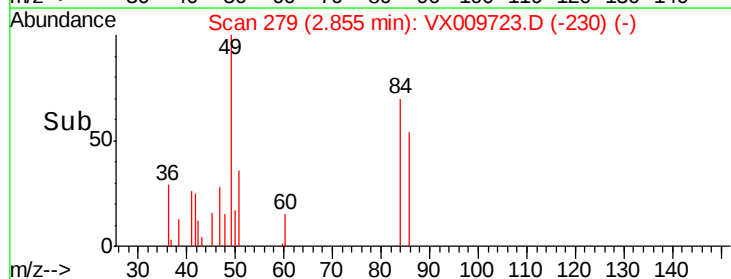
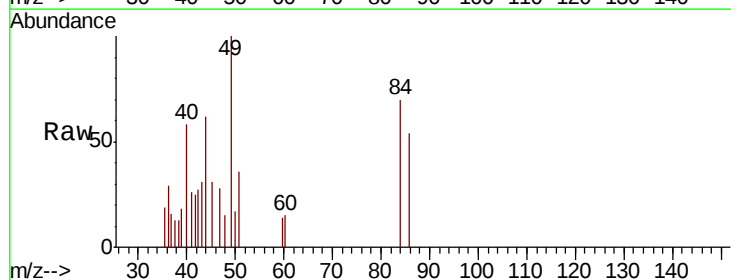
Ion Ratio Lower Upper

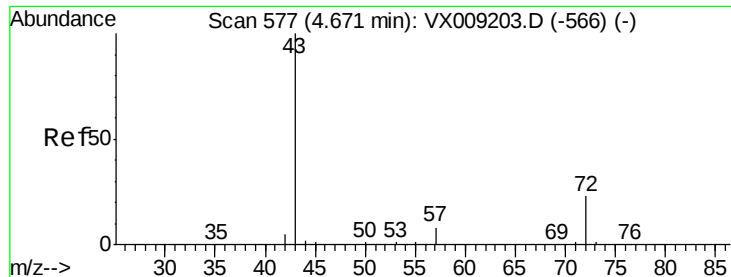
84 100

49 143.4 109.9 164.9

51 32.8 32.7 49.1

86 78.1 52.0 78.0#





#25

2-Butanone

Concen: 1.661 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

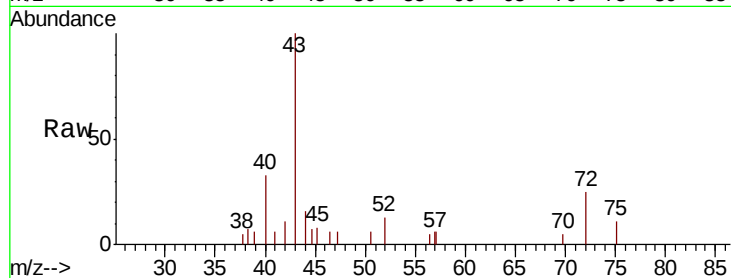
BP-VPB202-GW-658-660

Tot Ion: 43 Resp: 3242

Ion Ratio Lower Upper

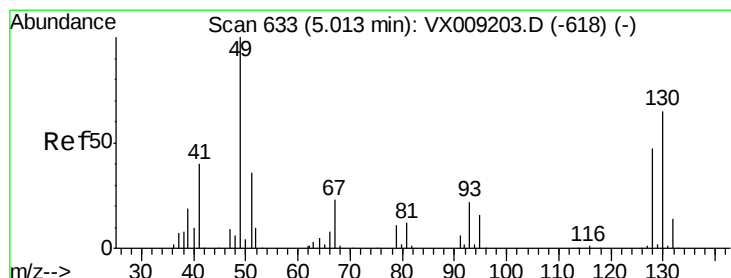
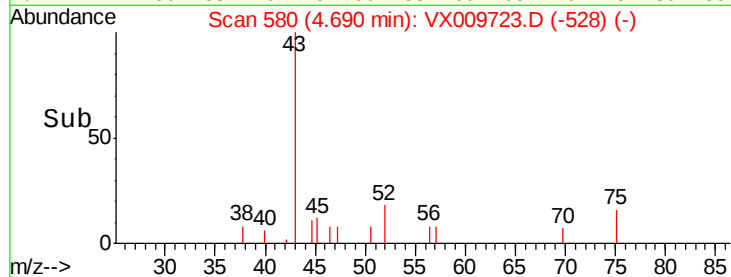
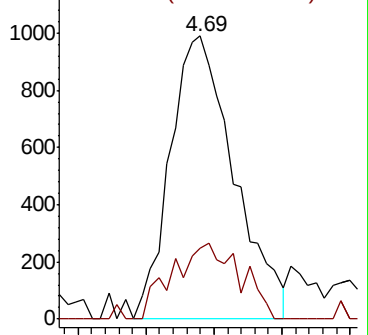
43 100

72 25.1 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: 5.04 min Scan# 637

Delta R.T. 0.03 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

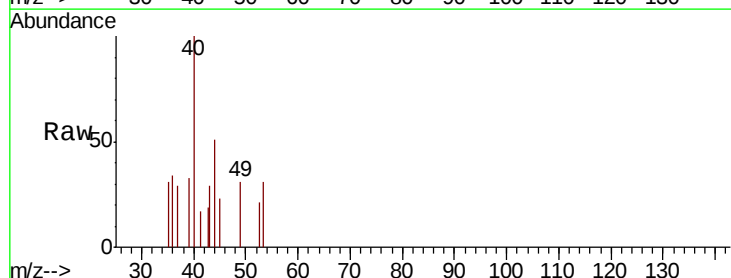
Tgt Ion: 49 Resp: 57

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

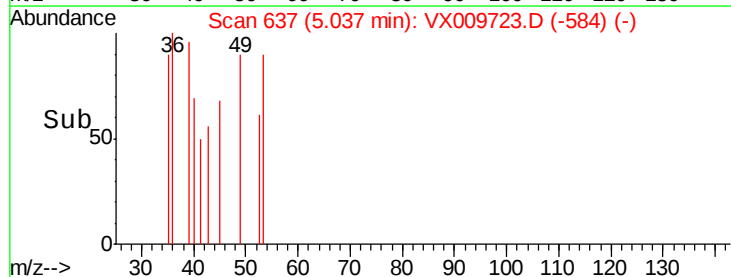
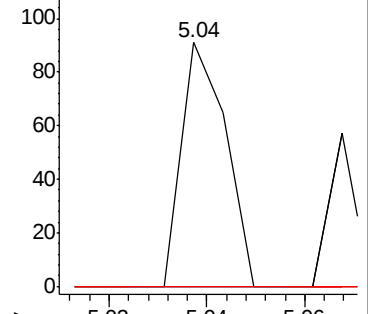
130 0.0 51.2 76.8#



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





#33

1,2-Dichloroethane-d4

Concen: 48.811 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

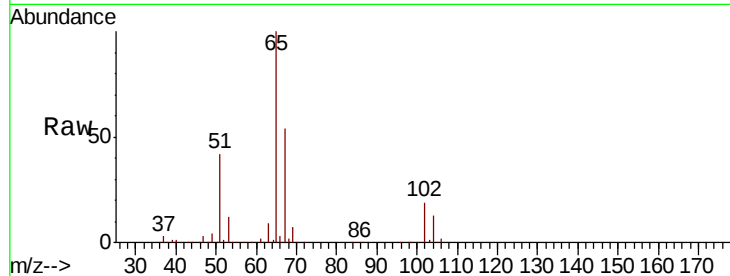
BP-VPB202-GW-658-660

Tot Ion: 65 Resp: 114148

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

6.06

50000

40000

30000

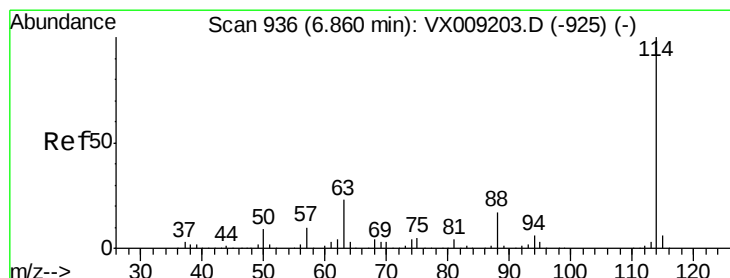
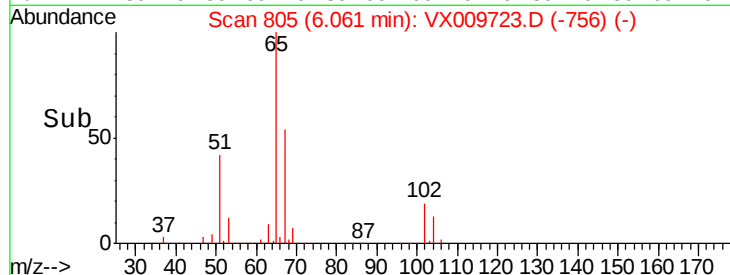
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

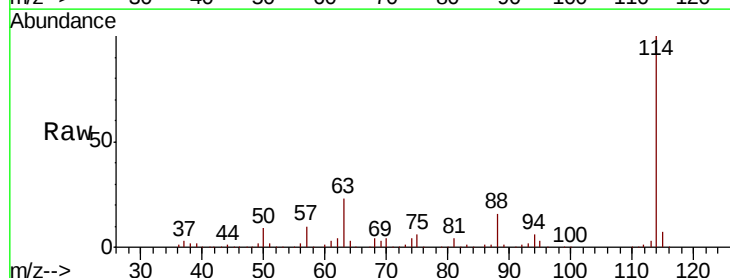
Tgt Ion: 114 Resp: 272899

Ion Ratio Lower Upper

114 100

63 22.9 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

150000

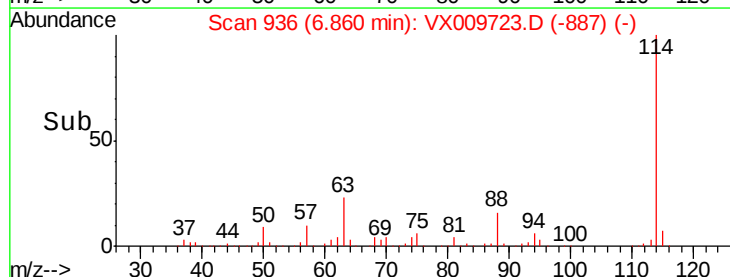
100000

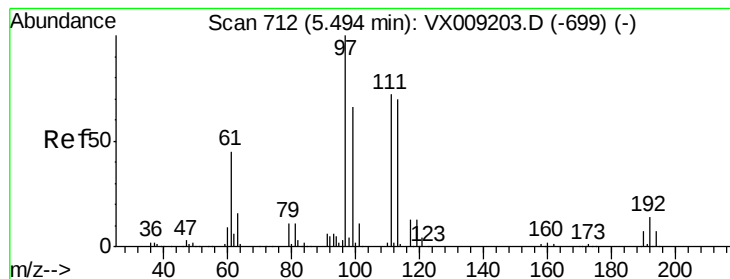
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.707 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

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ClientSampleId :

BP-VPB202-GW-658-660

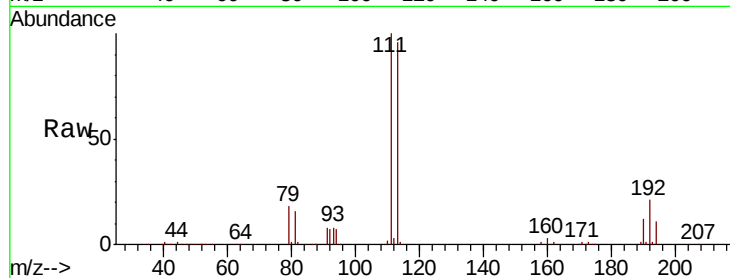
Tot Ion:113 Resp: 83560

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

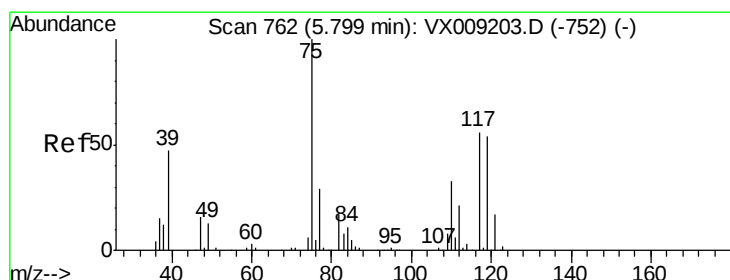
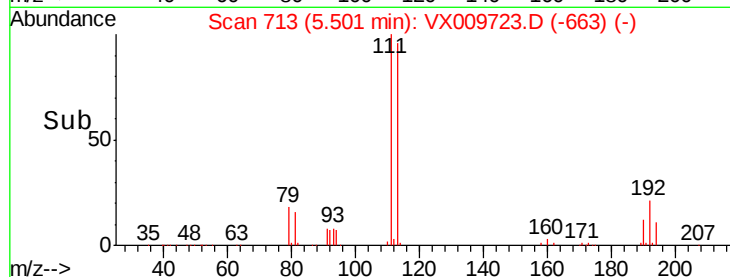
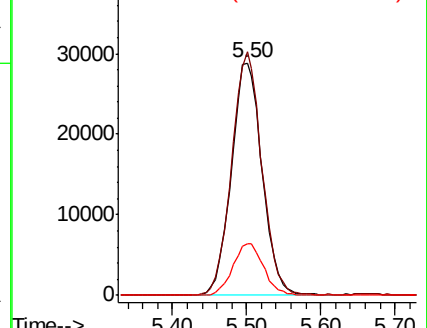
192 22.1 17.0 25.6



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: 5.255 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

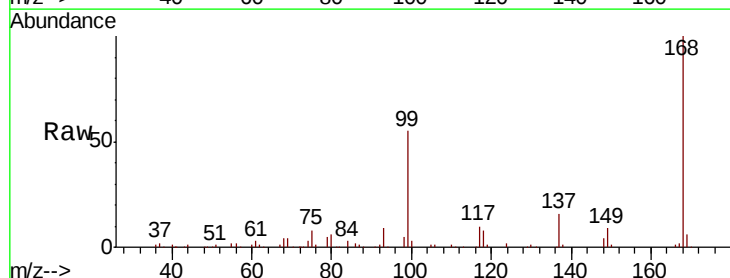
Tgt Ion: 75 Resp: 13326

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

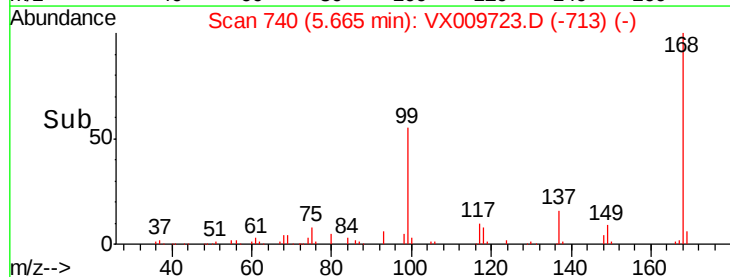
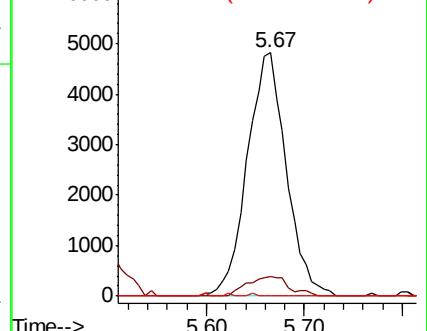
77 0.1 24.8 37.2#

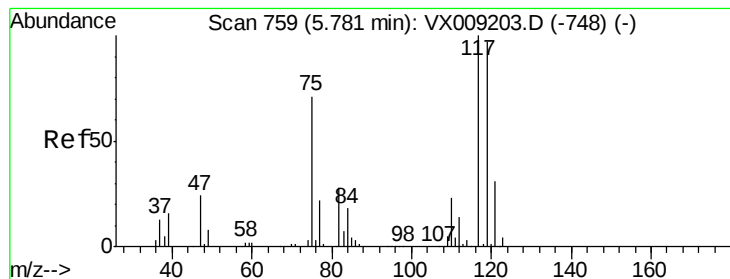


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.054 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-658-660

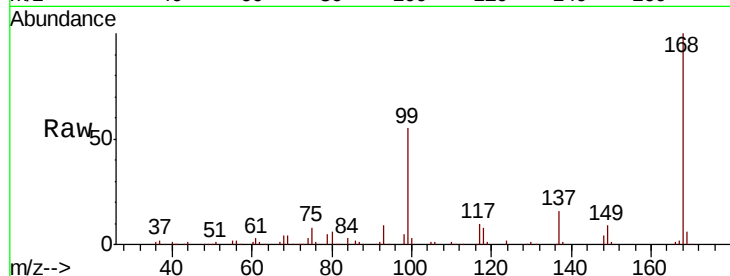
Tot Ion: 117 Resp: 16253

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

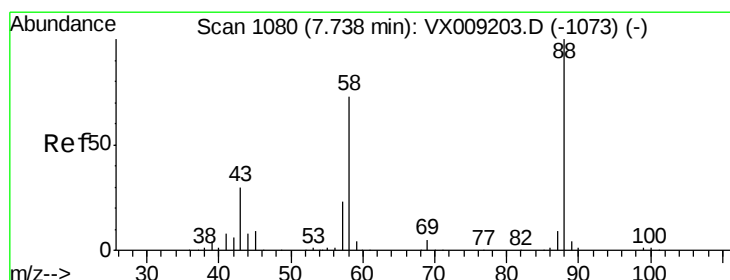
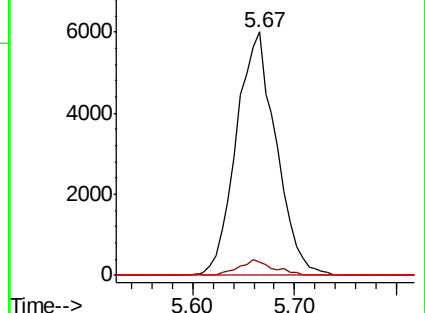
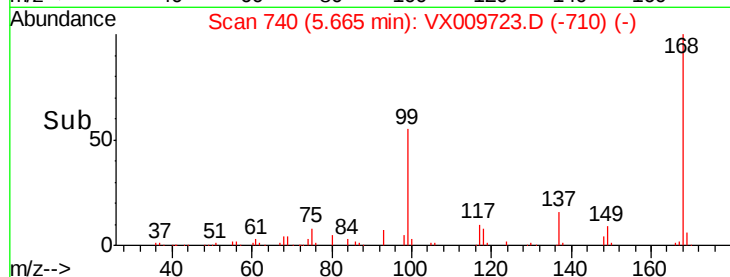
121 0.0 24.7 37.1#



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: 0.739 ug/l

RT: 7.82 min Scan# 1093

Delta R.T. 0.08 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

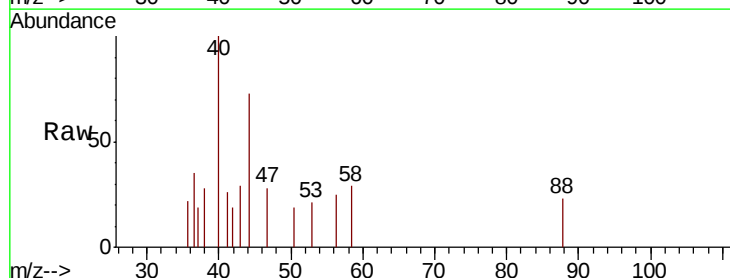
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 197.6 28.6 42.8#

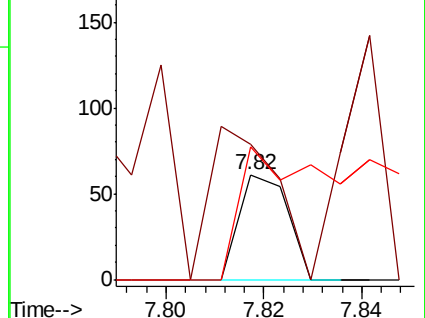
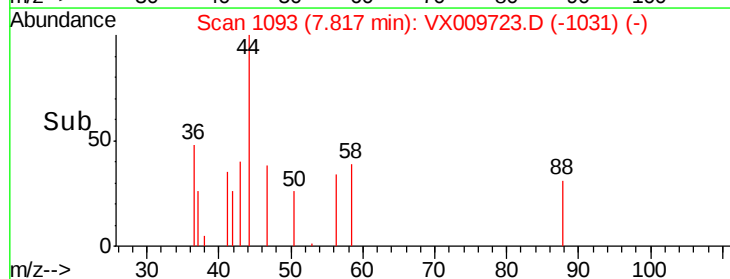
58 340.5 61.7 92.5#

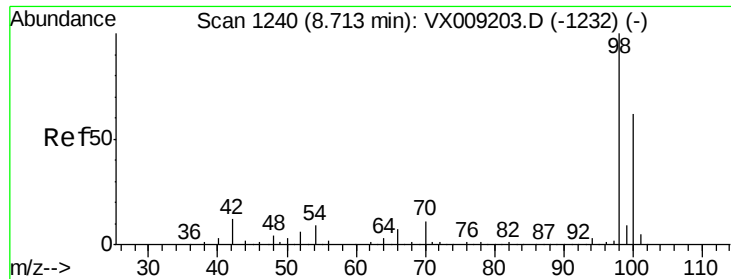


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

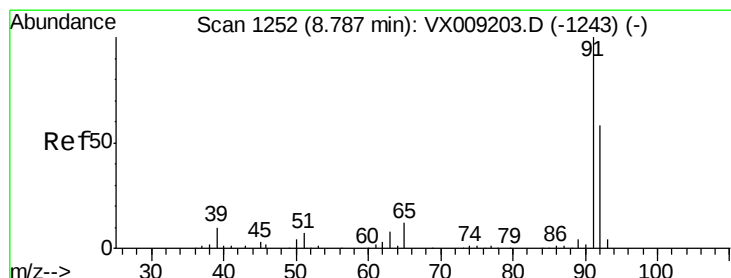
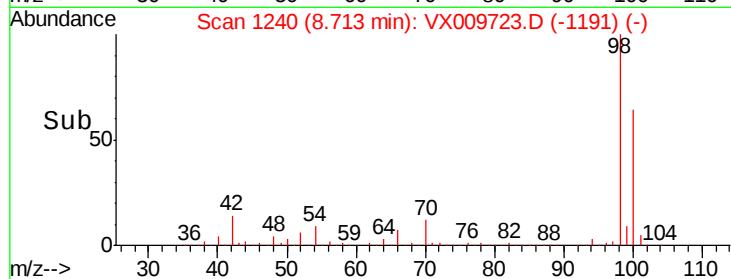
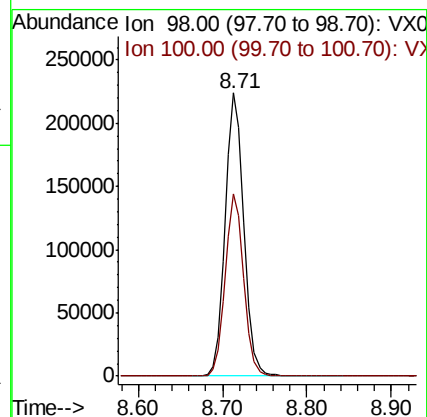
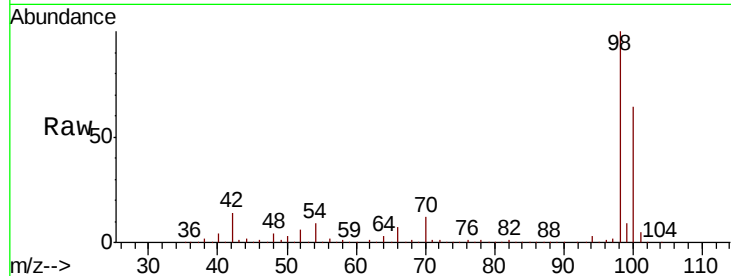




#50
Toluene-d8
Concen: 49.457 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009723.D
Acq: 20 May 2019 14:05

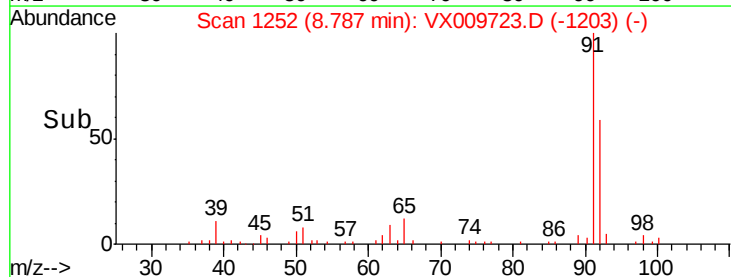
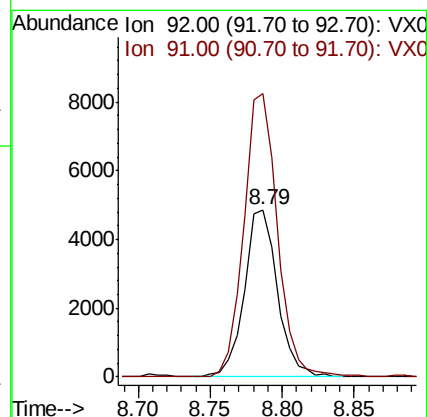
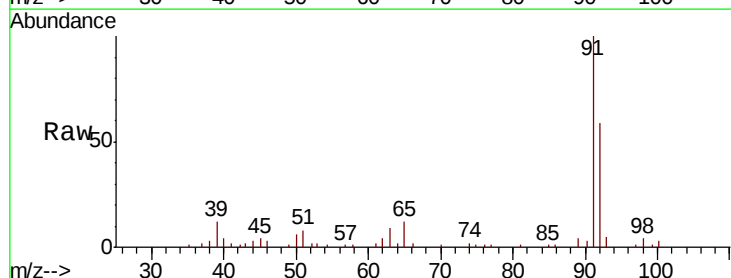
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-658-660

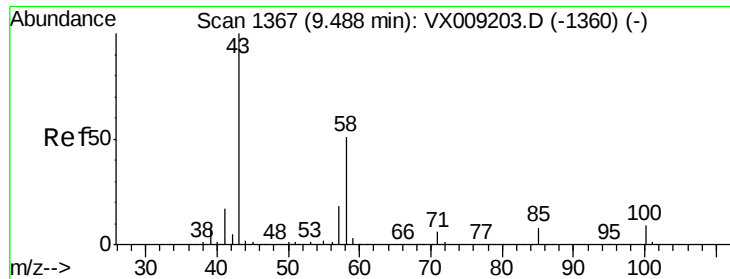
Tot Ion: 98 Resp: 342548
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



#52
Toluene
Concen: 1.620 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009723.D
Acq: 20 May 2019 14:05

Tgt Ion: 92 Resp: 7727
Ion Ratio Lower Upper
92 100
91 172.4 138.8 208.2

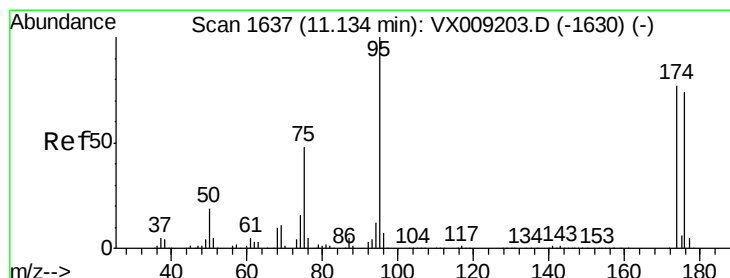
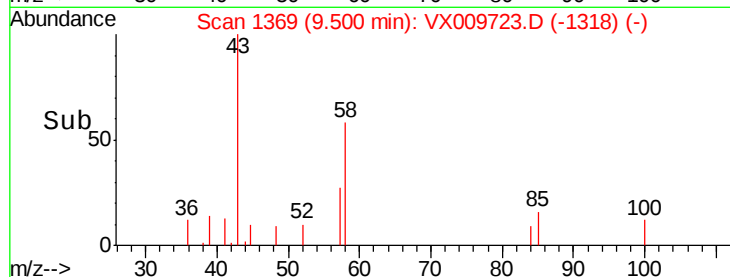
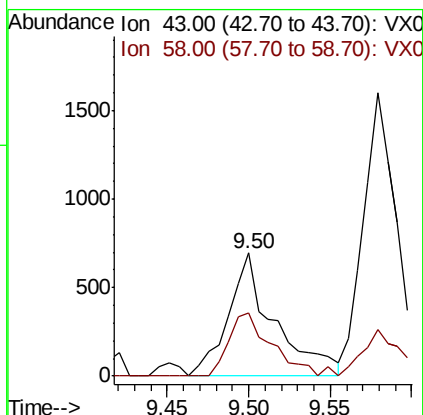
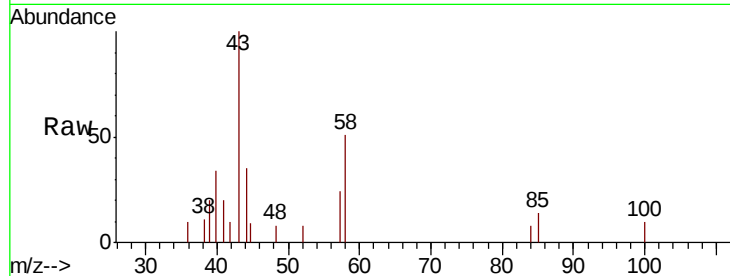




#59
2-Hexanone
Concen: 0.467 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX009723.D
Acq: 20 May 2019 14:05

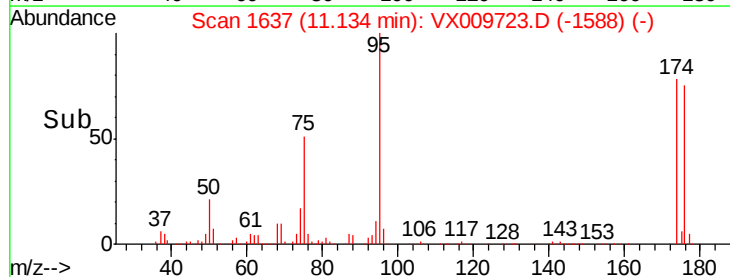
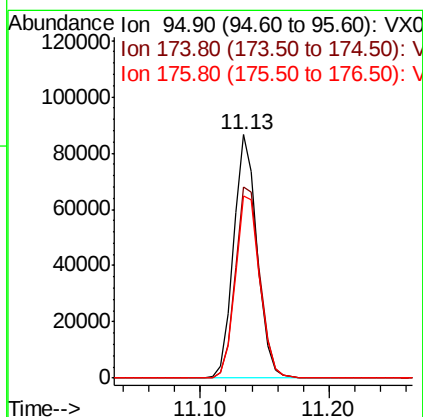
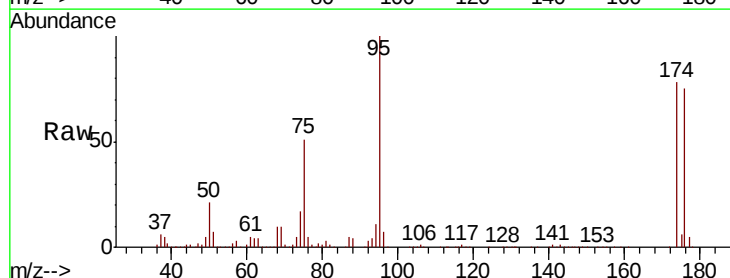
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-658-660

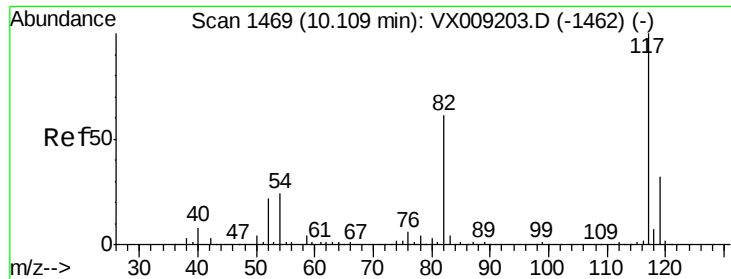
Tot Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
58 47.2 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 43.725 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009723.D
Acq: 20 May 2019 14:05

Tgt Ion: 95 Resp: 110041
Ion Ratio Lower Upper
95 100
174 81.9 0.0 161.6
176 78.1 0.0 159.2

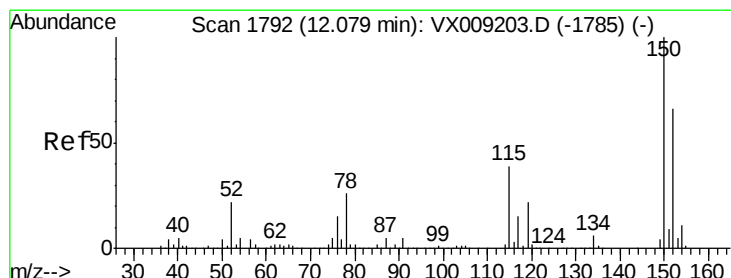
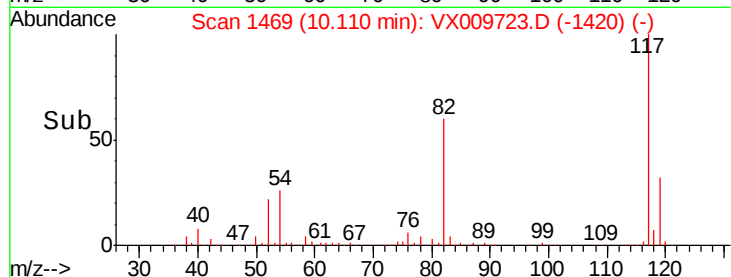
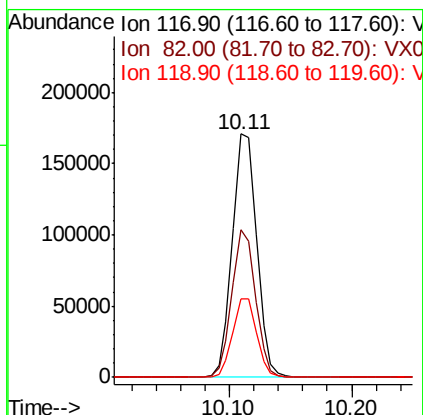
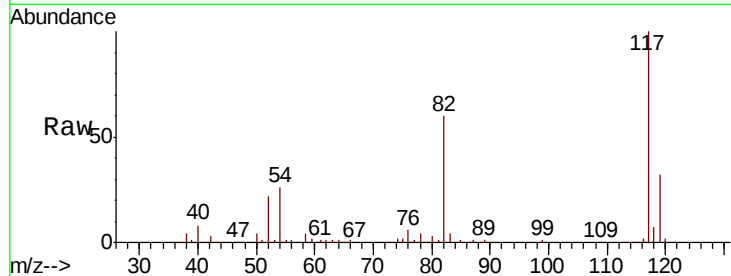




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009723.D
Acq: 20 May 2019 14:05

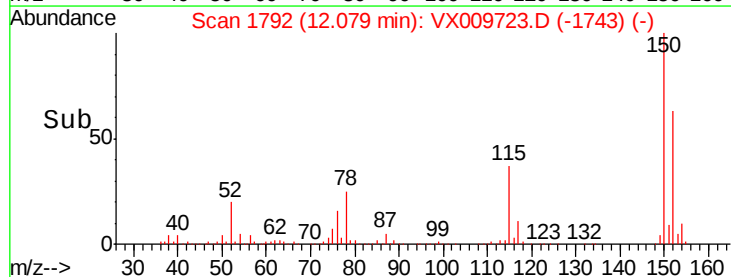
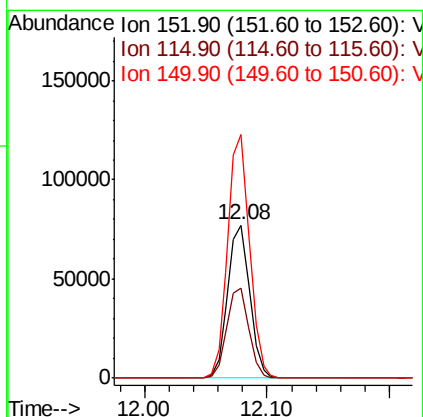
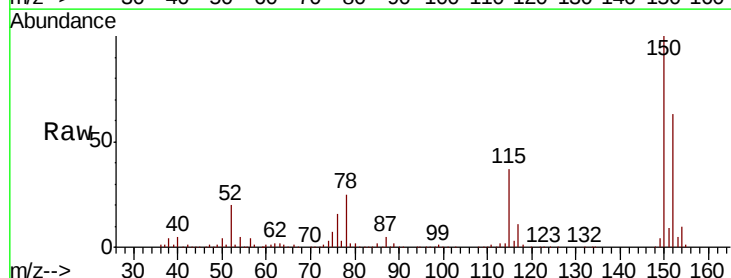
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-658-660

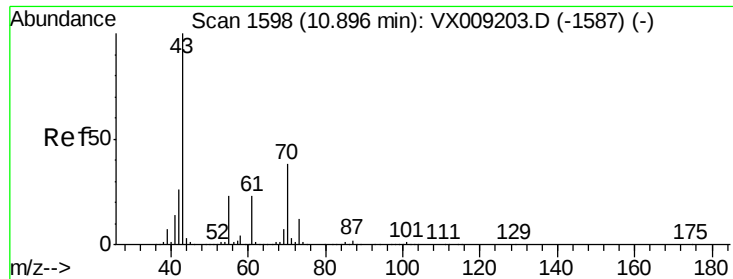
Tot Ion:117 Resp: 236144
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009723.D
Acq: 20 May 2019 14:05

Tgt Ion:152 Resp: 95893
Ion Ratio Lower Upper
152 100
115 59.1 41.2 123.6
150 158.0 0.0 346.4





#74

N-amvl acetate

Concen: 0.583 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-658-660

Tot Ion: 43 Resp: 2370

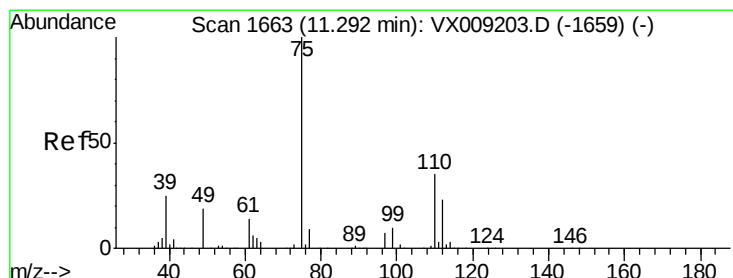
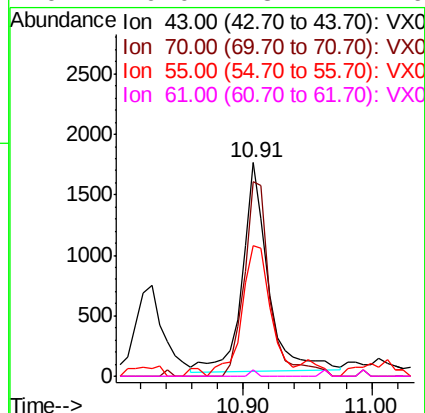
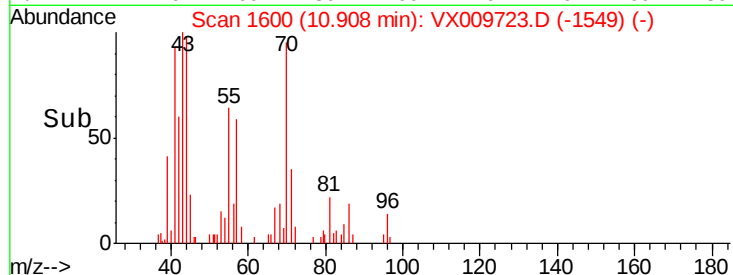
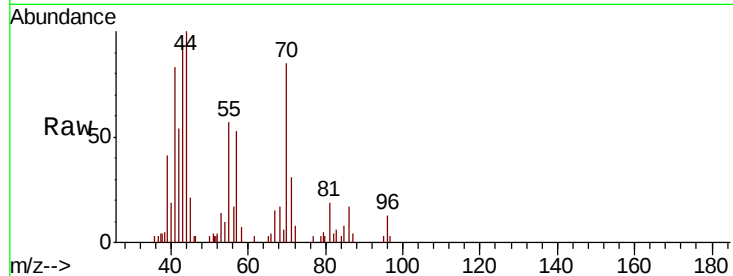
Ion Ratio Lower Upper

43 100

70 93.1 30.0 45.0#

55 70.3 17.9 26.9#

61 0.0 18.4 27.6#



#76

1,2,3-Trichloropropane

Concen: 25.122 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009723.D

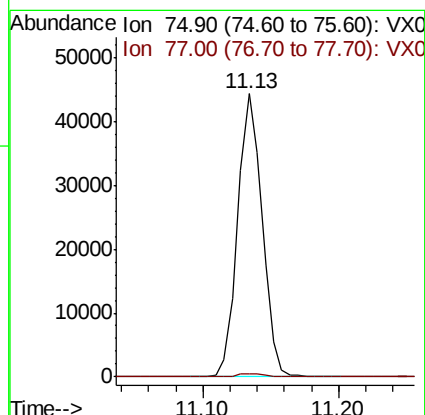
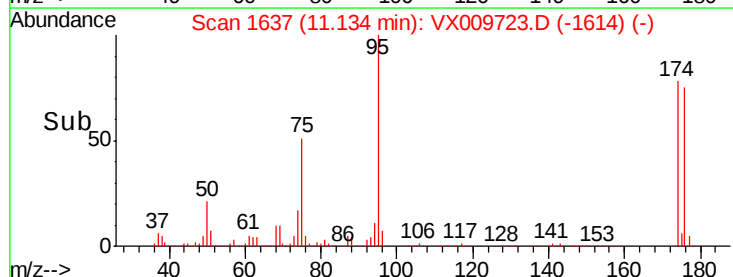
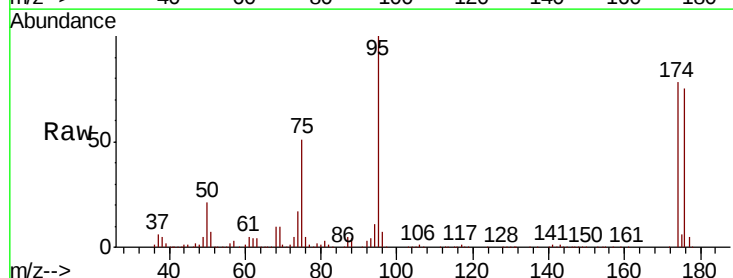
Acq: 20 May 2019 14:05

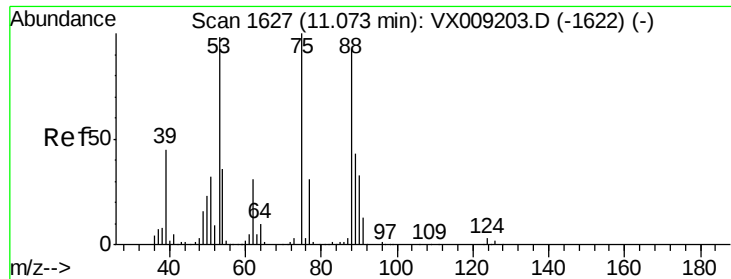
Tgt Ion: 75 Resp: 55880

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.277 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009723.D

Acq: 20 May 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-658-660

Tot Ion: 75 Resp: 55880

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

89 0.0 34.7 52.1#

