

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009547.D
 Acq On : 13 May 2019 16:41
 Operator : JC/SP
 Sample : K2834-03RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190509

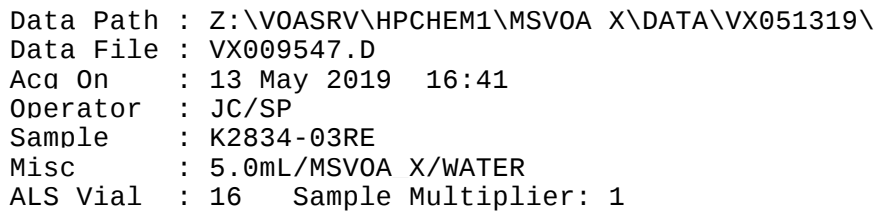
Quant Time: May 14 03:45:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

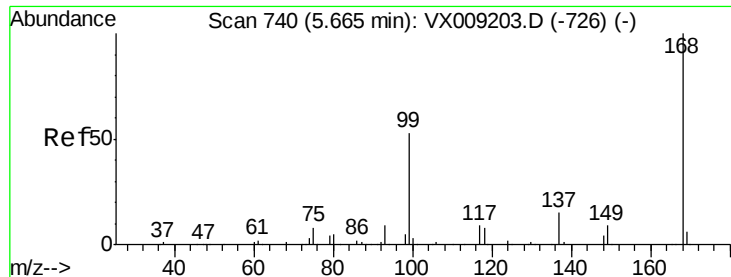
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302707	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112463	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123638	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
35) Dibromofluoromethane	5.50	113	91606	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	8.71	98	381832	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	124691	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	329	0.233	ug/l #	42
11) Tert butyl alcohol	3.02	59	643	1.061	ug/l #	73
16) Acetone	2.44	43	9371	6.668	ug/l	99
20) Methylene Chloride	2.86	84	1173	0.516	ug/l #	81
25) 2-Butanone	4.69	43	881	0.403	ug/l	93
28) Bromochloromethane	4.97	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	520	0.370	ug/l #	19
31) Cyclohexane	5.66	56	3949	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14785	5.256	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17588	6.881	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	63631	24.392	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63631	62.409	ug/l #	10

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009547.D

Acq: 13 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

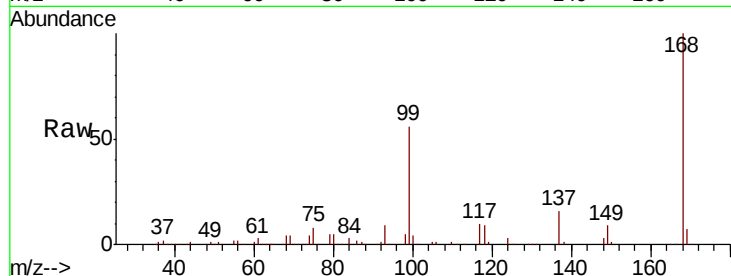
BP-VPB202-EB-20190509

Tot Ion:168 Resp: 191718

Ion Ratio Lower Upper

168 100

99 56.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

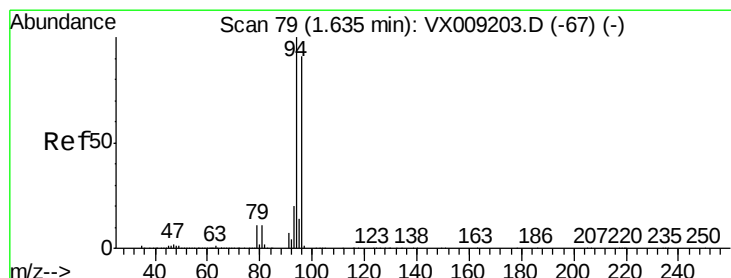
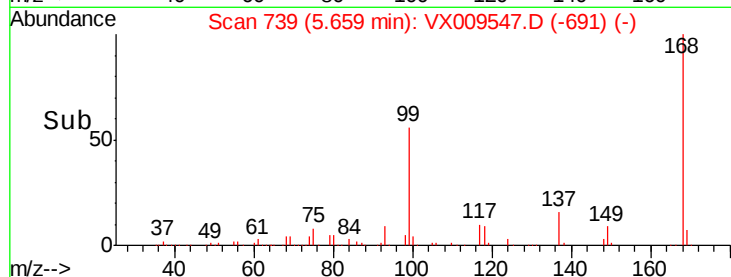
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009547.D

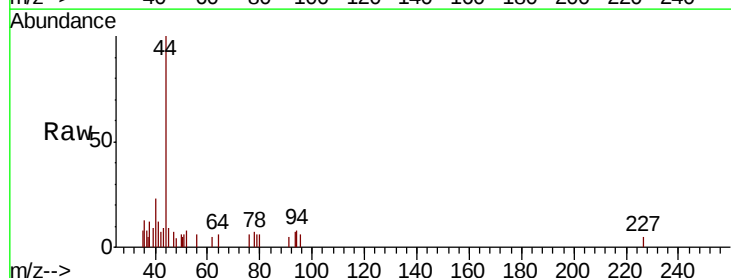
Acq: 13 May 2019 16:41

Tgt Ion: 94 Resp: 329

Ion Ratio Lower Upper

94 100

96 36.6 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

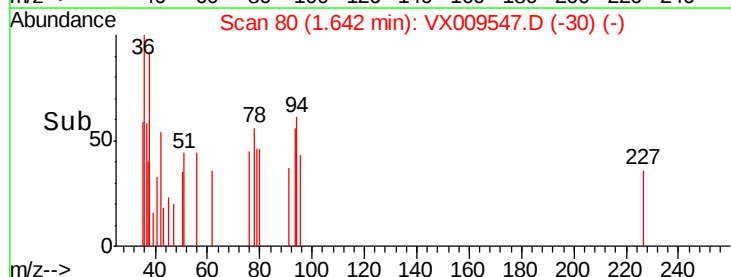
150

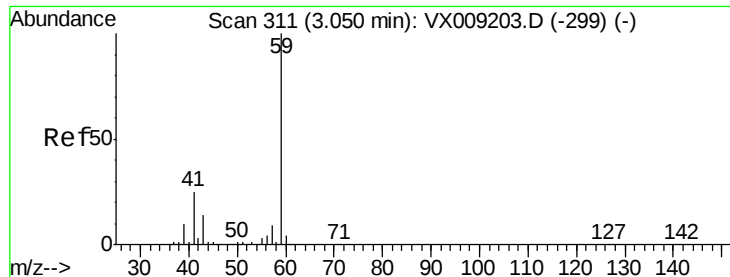
100

50

0

Time--> 1.60 1.65

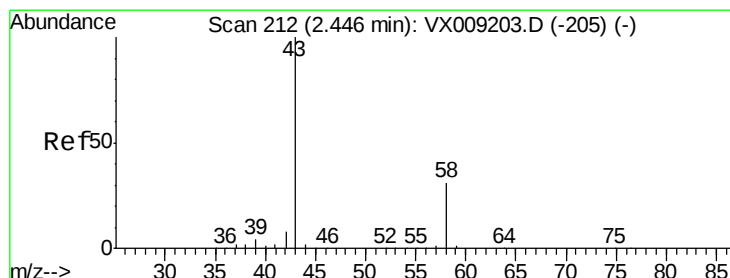
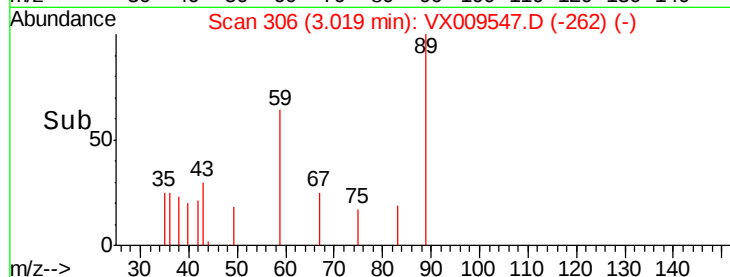
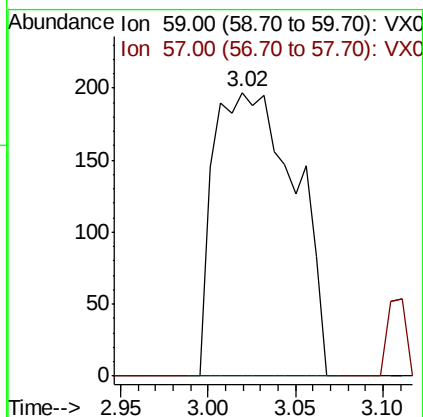
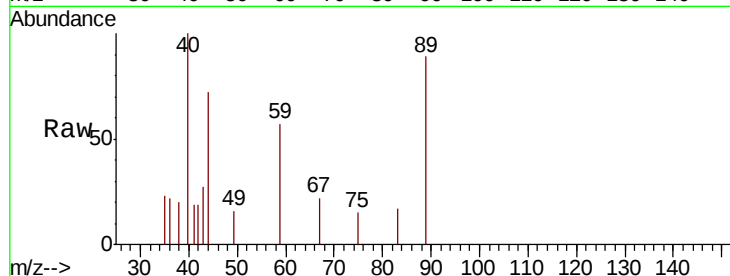




#11
Tert butyl alcohol
Concen: 1.061 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009547.D
Acq: 13 May 2019 16:41

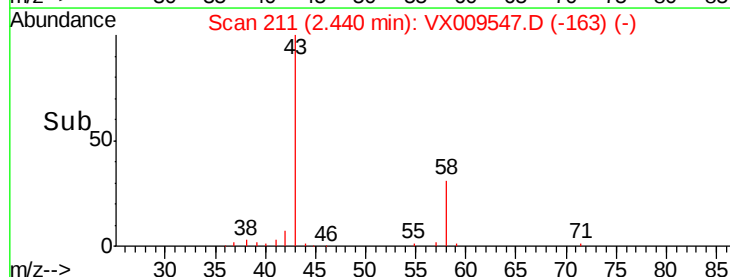
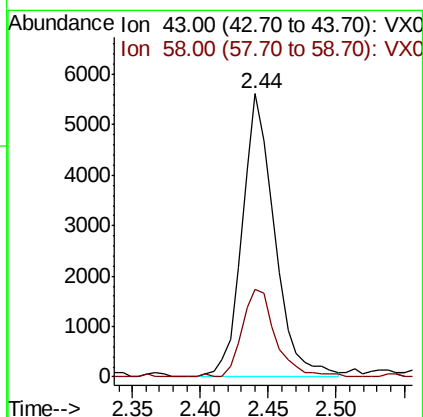
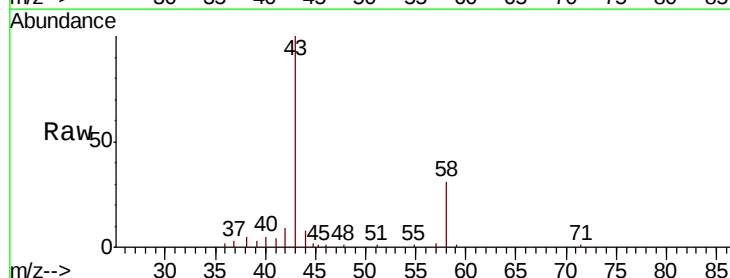
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190509

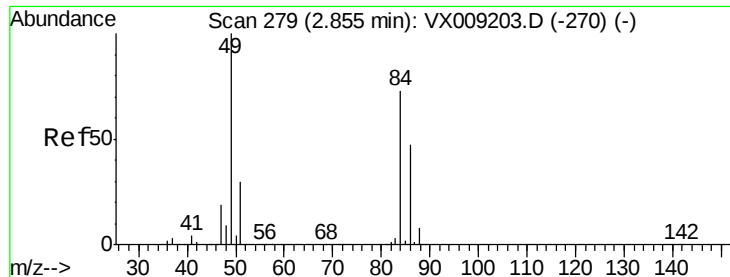
Tot Ion: 59 Resp: 643
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 6.668 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009547.D
Acq: 13 May 2019 16:41

Tgt Ion: 43 Resp: 9371
Ion Ratio Lower Upper
43 100
58 30.8 24.9 37.3

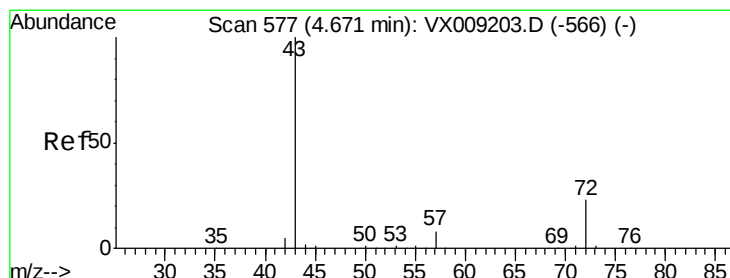
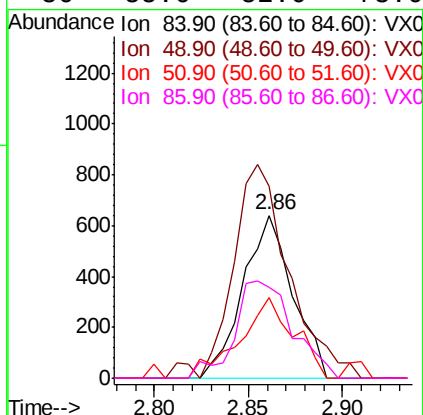
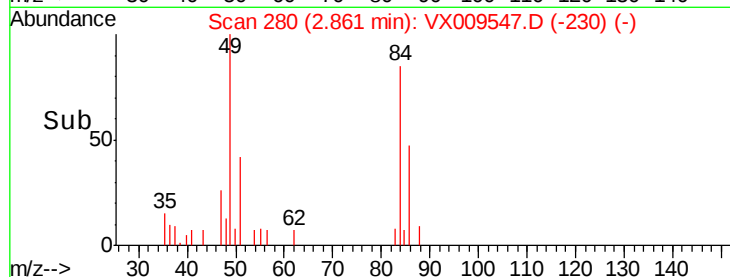
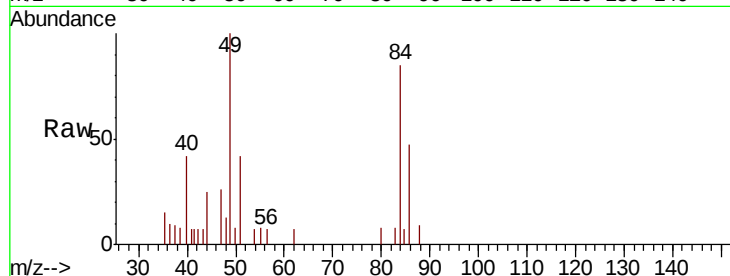




#20
Methvlene Chloride
Concen: 0.516 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009547.D
Acq: 13 May 2019 16:41

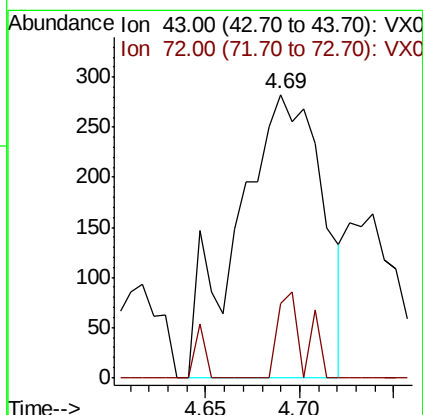
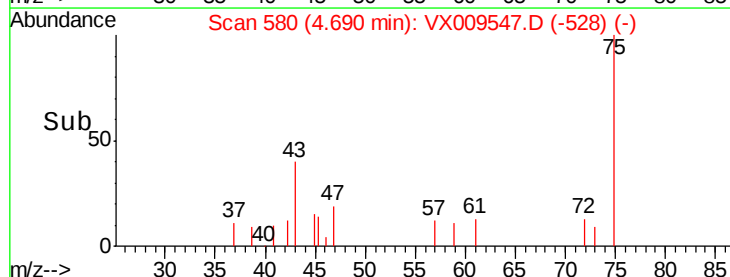
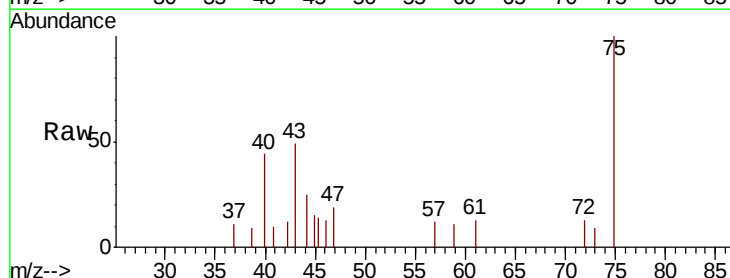
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190509

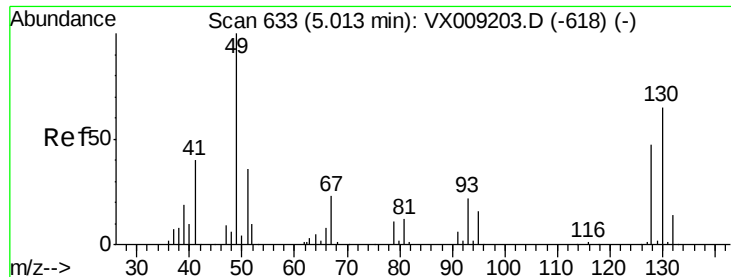
Tot Ion: 84 Resp: 1173
Ion Ratio Lower Upper
84 100
49 109.2 109.9 164.9#
51 49.4 32.7 49.1#
86 55.6 52.0 78.0



#25
2-Butanone
Concen: 0.403 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009547.D
Acq: 13 May 2019 16:41

Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
72 26.1 18.2 27.2





#28

Bromochloromethane

Concen: Below Cal

RT: 4.97 min Scan# 626

Delta R.T. -0.04 min

Lab File: VX009547.D

Acq: 13 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-EB-20190509

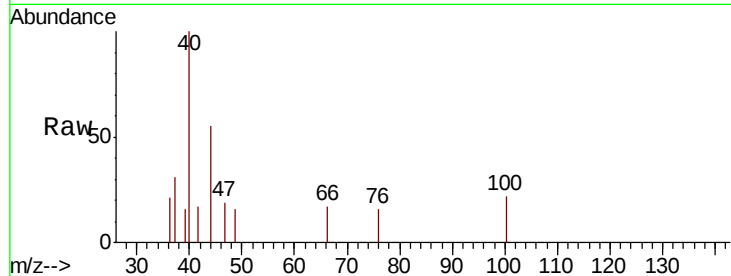
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

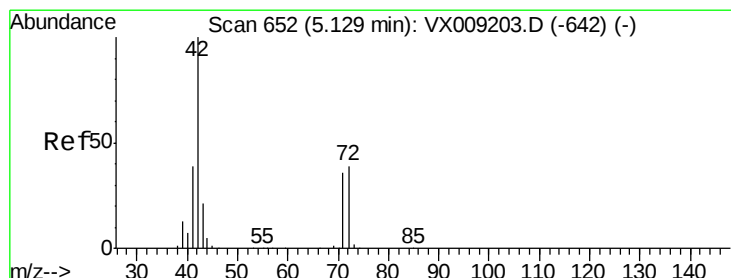
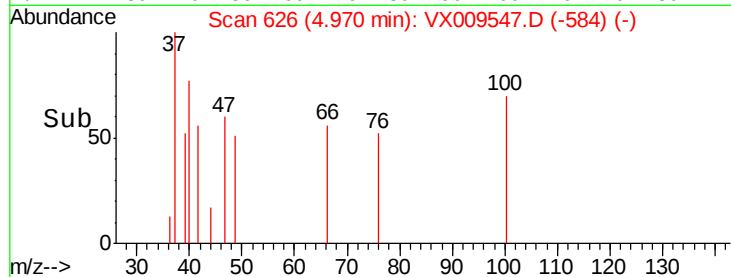
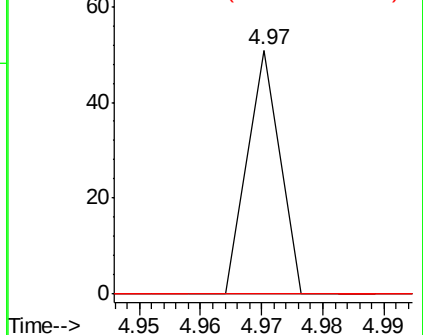
130 0.0 51.2 76.8#



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



#29

Tetrahydrofuran

Concen: 0.370 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009547.D

Acq: 13 May 2019 16:41

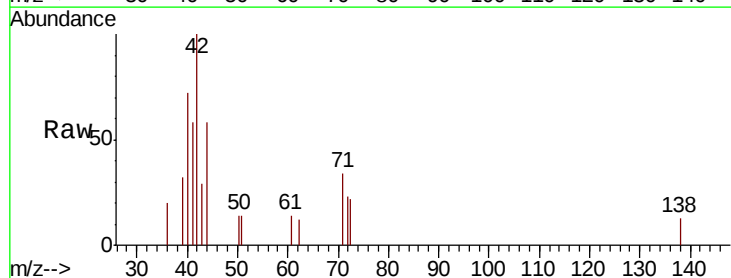
Tgt Ion: 42 Resp: 520

Ion Ratio Lower Upper

42 100

72 90.2 30.4 45.6#

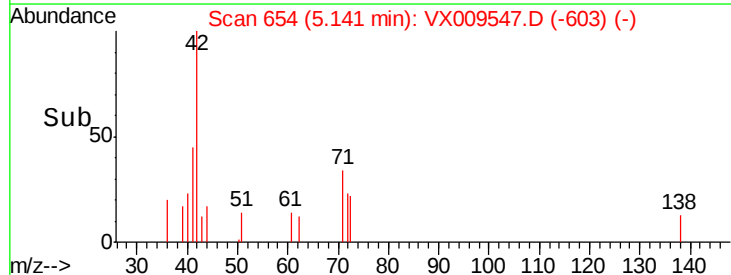
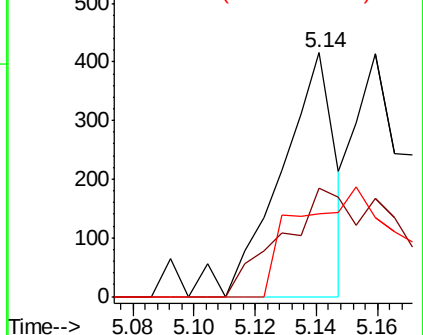
71 80.2 28.6 43.0#

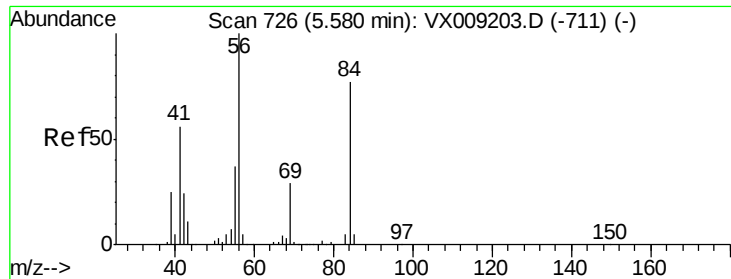


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

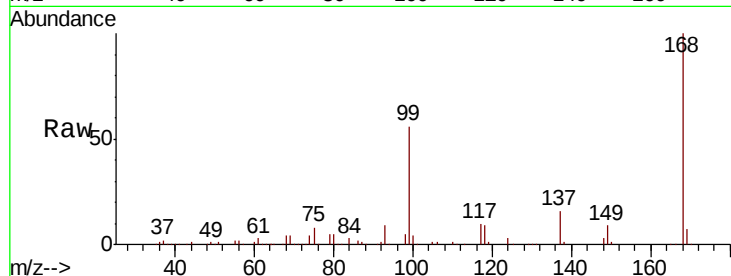




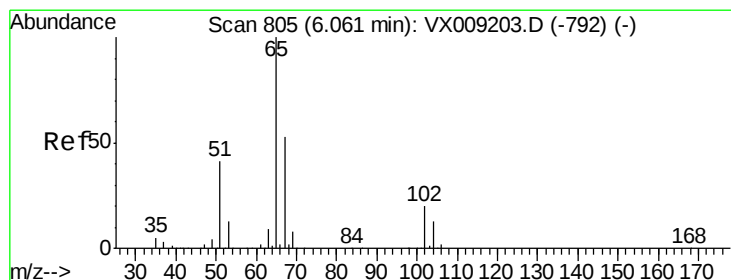
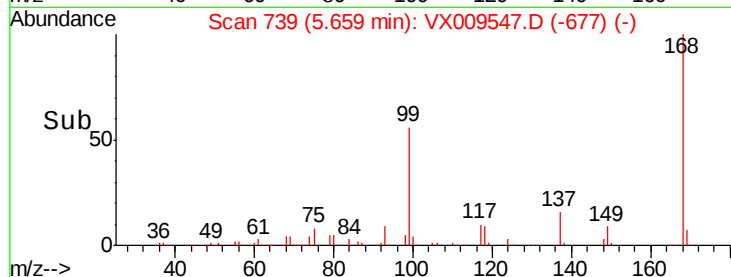
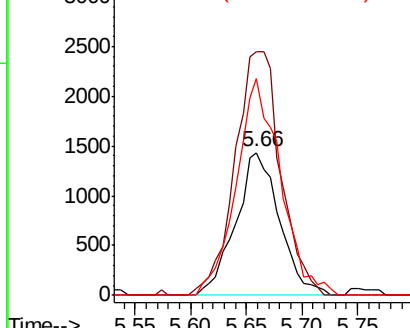
#31
Cyclohexane
Concen: 1.021 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009547.D
Acq: 13 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190509

Tot Ion: 56 Resp: 3949
Ion Ratio Lower Upper
56 100
69 170.5 23.4 35.0#
84 151.7 61.9 92.9#

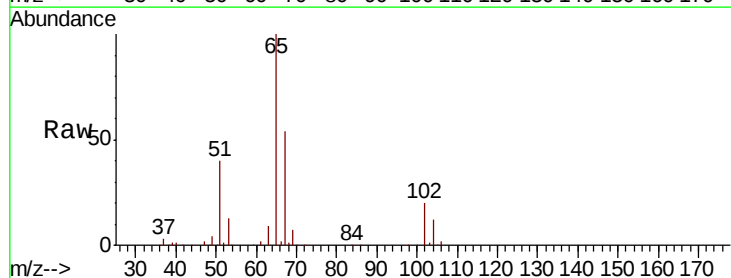


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

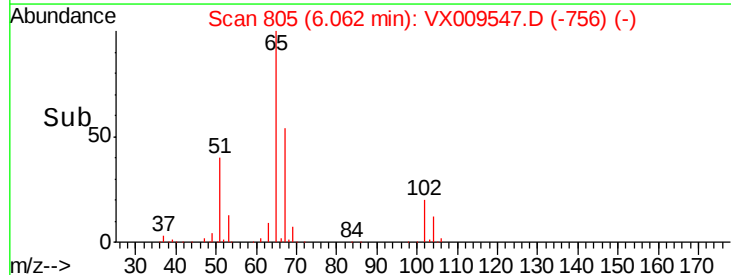
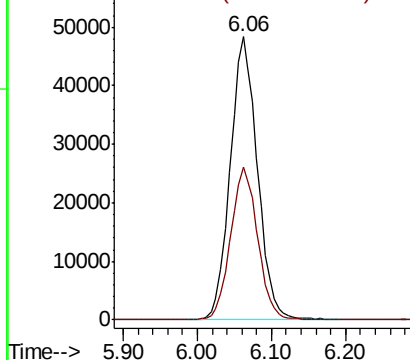


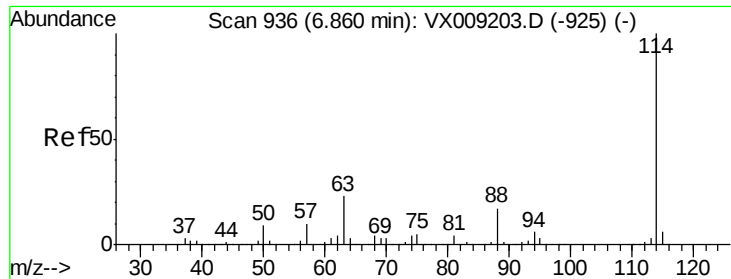
#33
1,2-Dichloroethane-d4
Concen: 47.241 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009547.D
Acq: 13 May 2019 16:41

Tgt Ion: 65 Resp: 123638
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

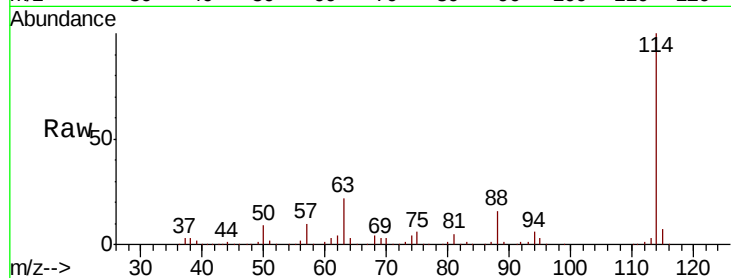




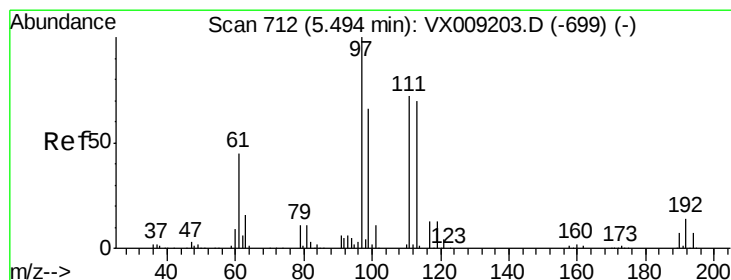
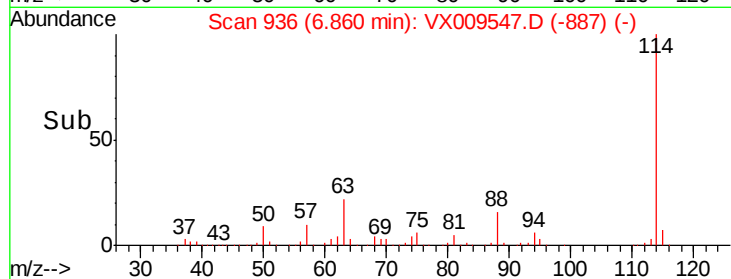
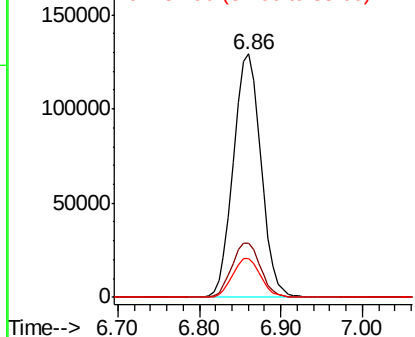
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009547.D
 Acq: 13 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190509

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.6
88	16.0	0.0	33.2

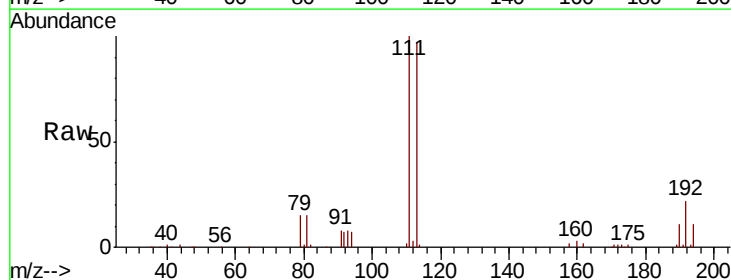


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

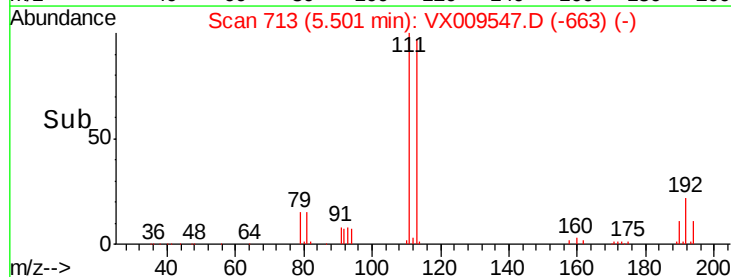
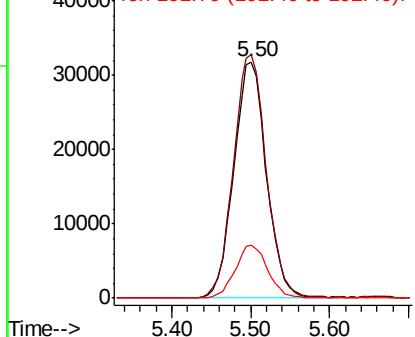


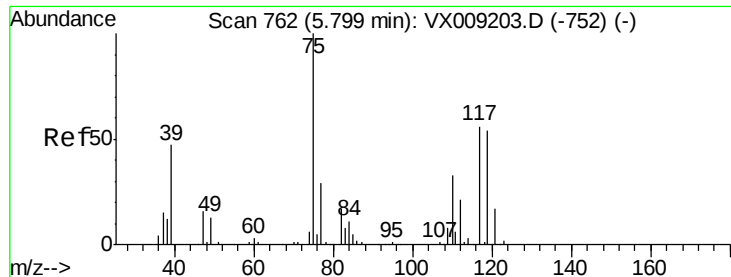
#35
 Dibromofluoromethane
 Concen: 48.139 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009547.D
 Acq: 13 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	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: 5.256 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009547.D

Acq: 13 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-EB-20190509

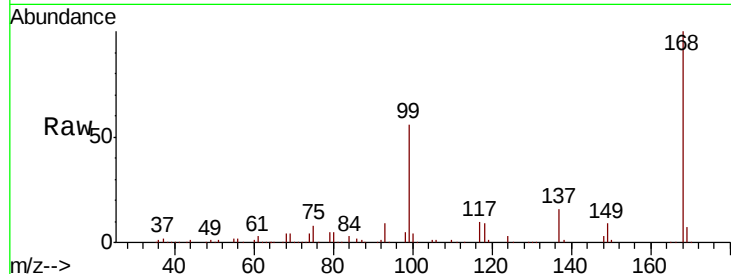
Tot Ion: 75 Resp: 14785

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.6#

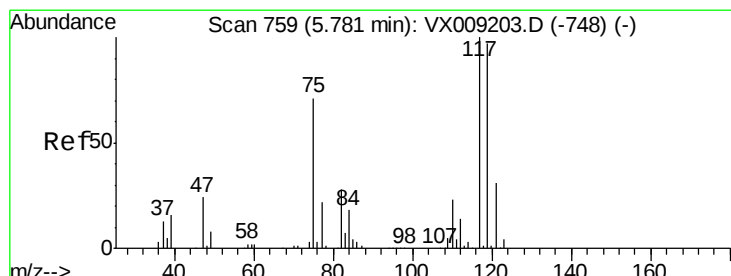
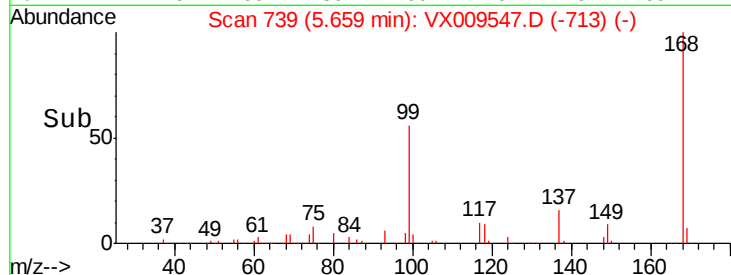
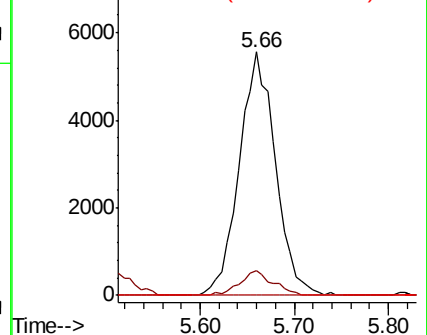
77 0.0 24.8 37.2#



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: 6.881 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009547.D

Acq: 13 May 2019 16:41

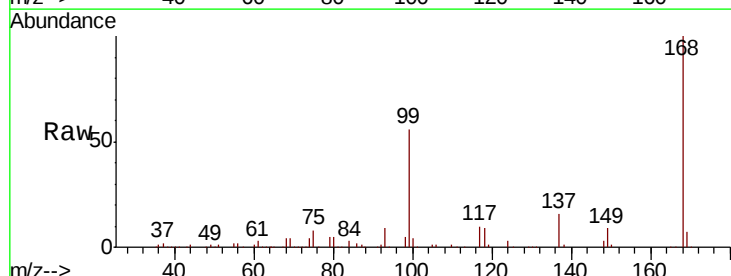
Tgt Ion:117 Resp: 17588

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

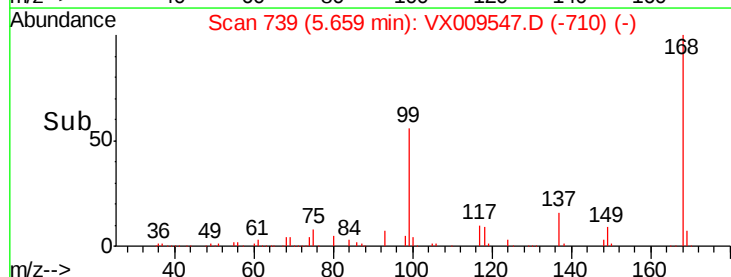
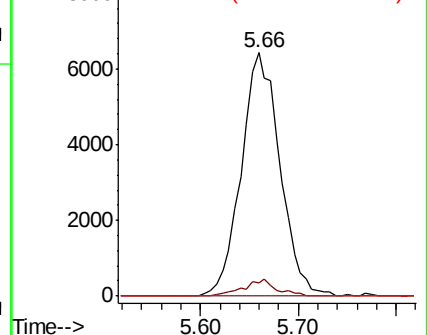
121 0.0 24.7 37.1#

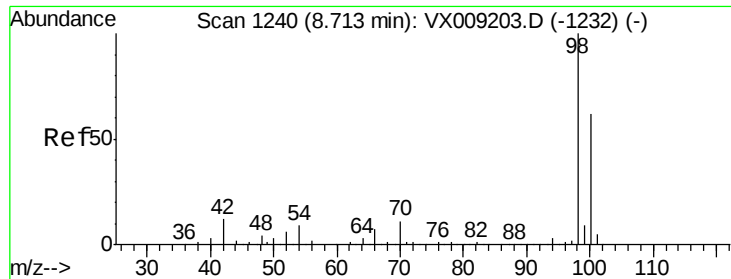


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.701 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009547.D

Acq: 13 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

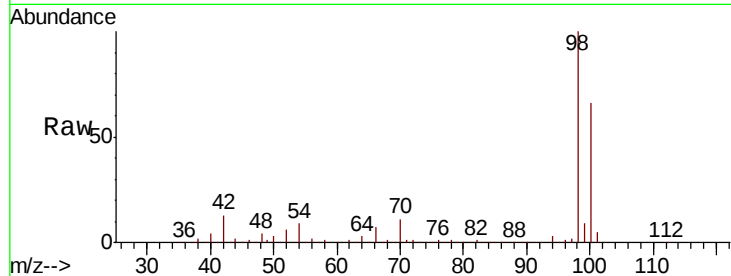
BP-VPB202-EB-20190509

Tot Ion: 98 Resp: 381832

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

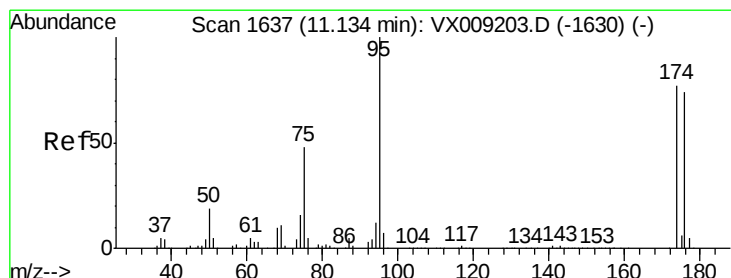
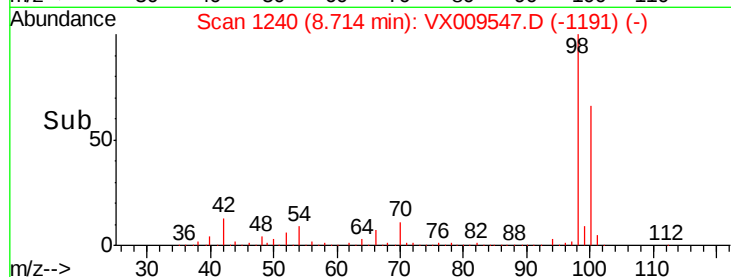
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.667 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009547.D

Acq: 13 May 2019 16:41

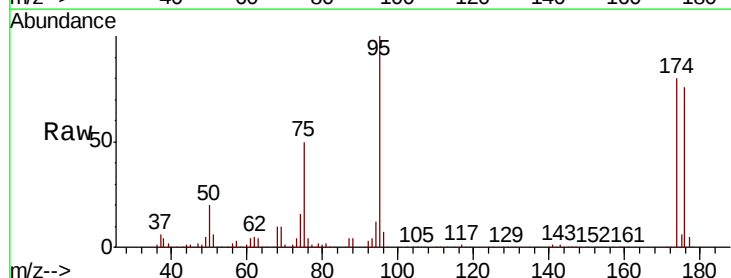
Tgt Ion: 95 Resp: 124691

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

176 79.6 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

100000

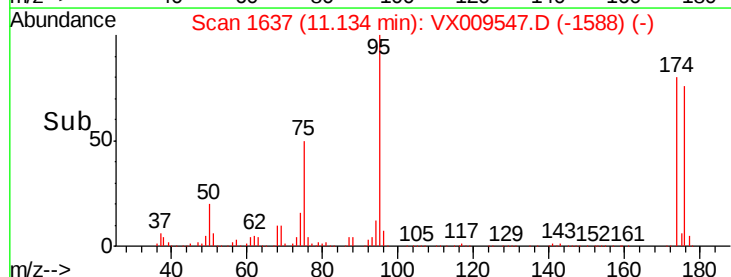
50000

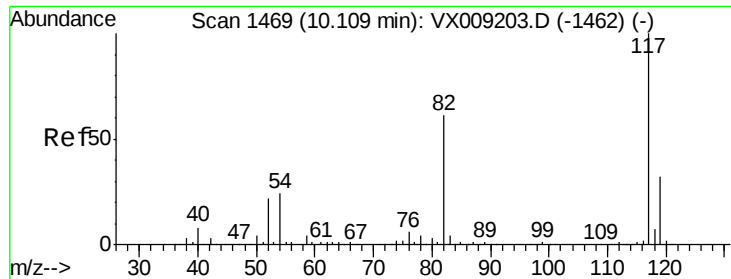
0

11.10

11.20

Time-->

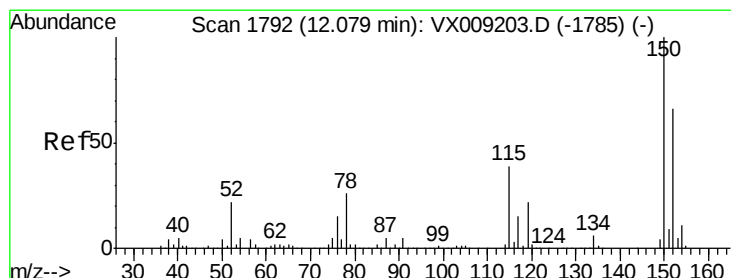
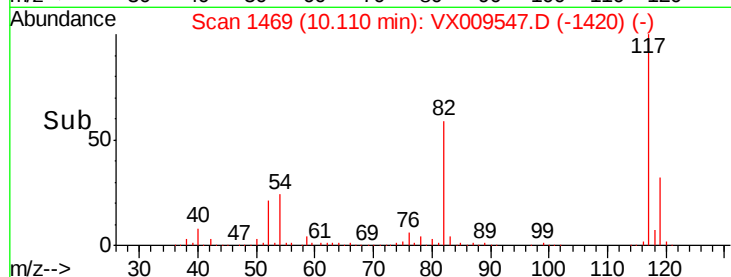
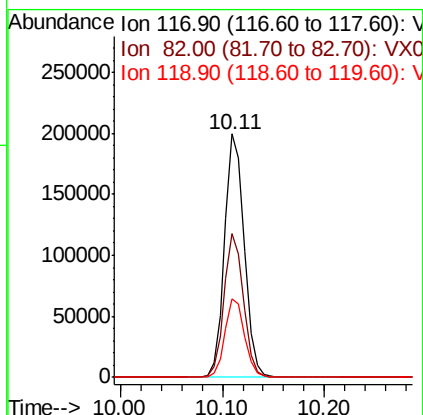
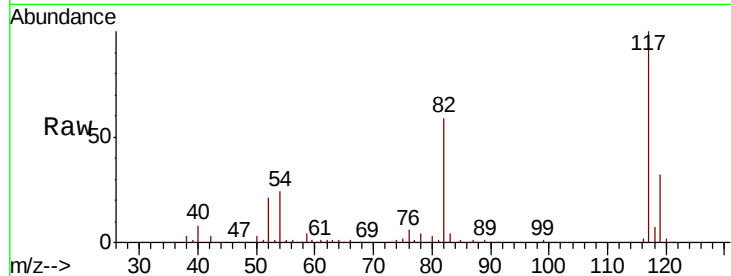




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009547.D
Acq: 13 May 2019 16:41

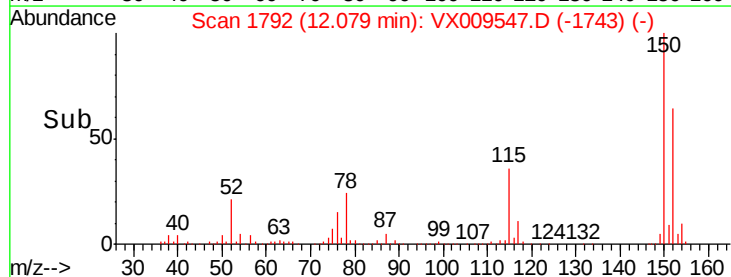
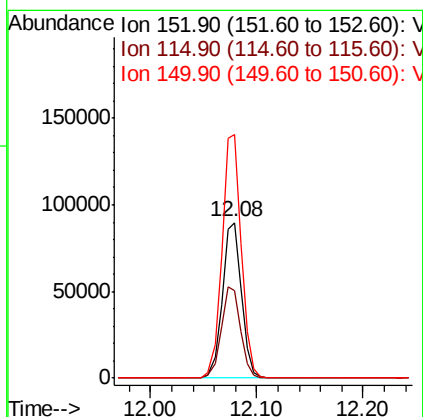
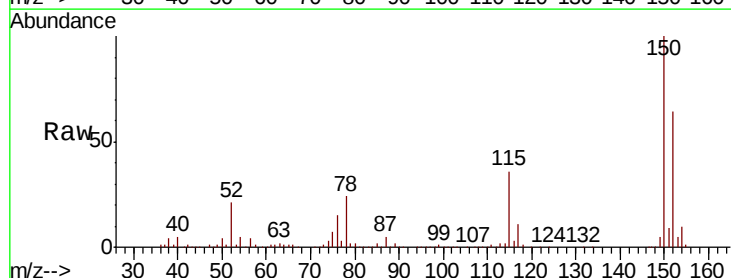
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190509

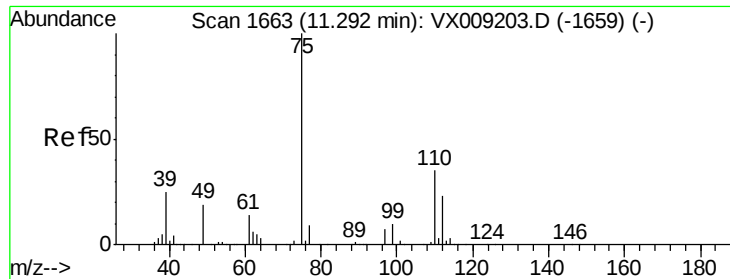
Tot Ion:117 Resp: 267348
Ion Ratio Lower Upper
117 100
82 58.9 48.8 73.2
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009547.D
Acq: 13 May 2019 16:41

Tgt Ion:152 Resp: 112463
Ion Ratio Lower Upper
152 100
115 58.9 41.2 123.6
150 158.1 0.0 346.4

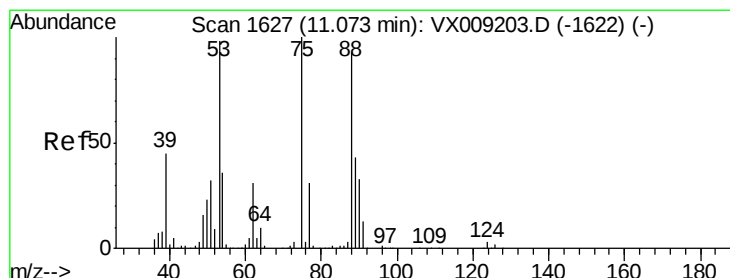
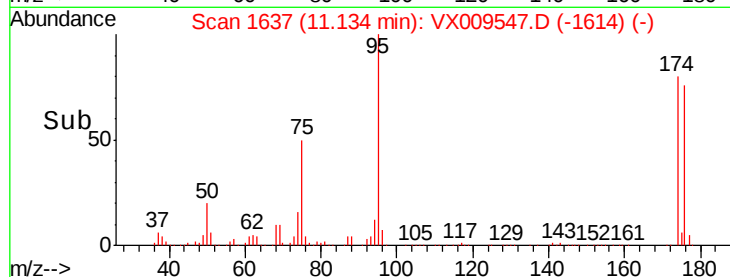
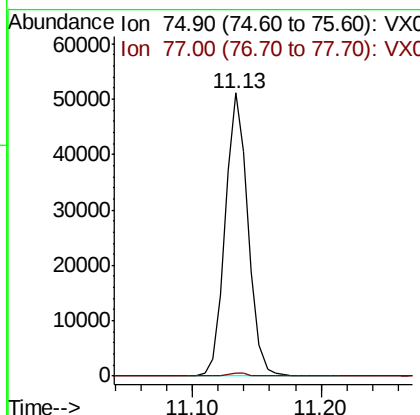
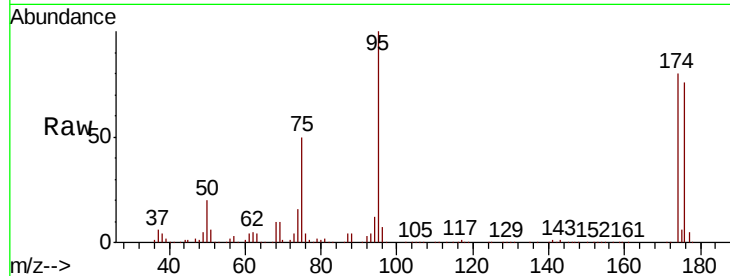




#76
 1,2,3-Trichloropropane
 Concen: 24.392 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009547.D
 Acq: 13 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190509

Tot Ion: 75 Resp: 63631
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.409 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009547.D
 Acq: 13 May 2019 16:41

Tgt Ion: 75 Resp: 63631
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

