

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009543.D
 Acq On : 13 May 2019 15:08
 Operator : JC/SP
 Sample : K2834-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-338-340

Quant Time: May 14 12:24:38 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	190861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110693	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	126597	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	5.50	113	93841	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	8.71	98	381767	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.13	95	125494	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

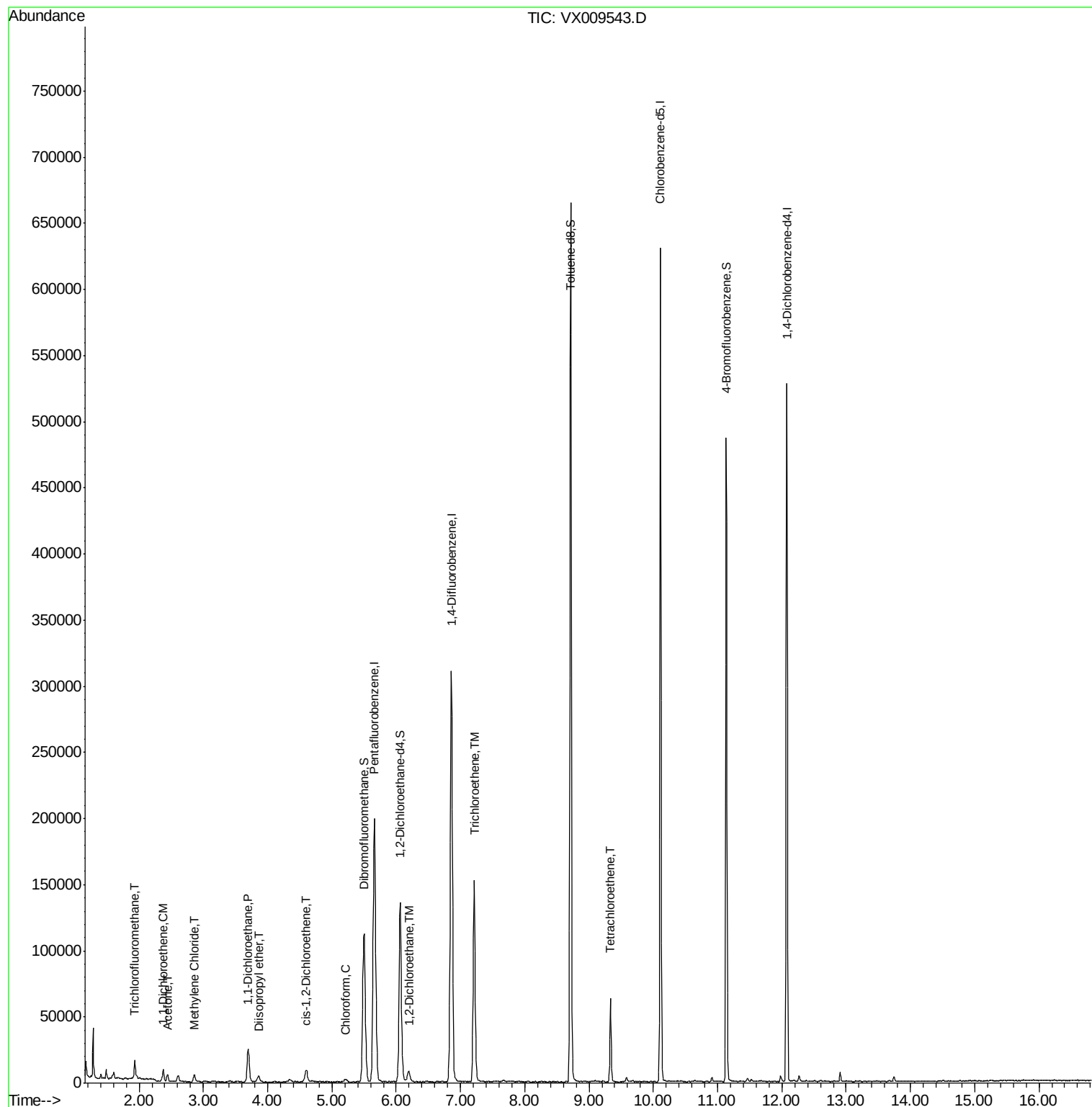
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	1.93	101	8756	3.076	ug/l	94
12) 1,1-Dichloroethene	2.37	96	2810	1.569	ug/l	83
16) Acetone	2.45	43	6117	4.372	ug/l #	83
20) Methylene Chloride	2.86	84	2253	0.995	ug/l	91
22) Diisopropyl ether	3.86	45	5156	0.614	ug/l #	80
24) 1,1-Dichloroethane	3.70	63	28114	6.790	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	5372	2.317	ug/l	92
30) Chloroform	5.21	83	2386	0.637	ug/l	94
42) 1,2-Dichloroethane	6.20	62	8922	2.807	ug/l	98
44) Trichloroethene	7.21	130	58797	27.452	ug/l	99
64) Tetrachloroethene	9.34	164	12336	6.716	ug/l	96

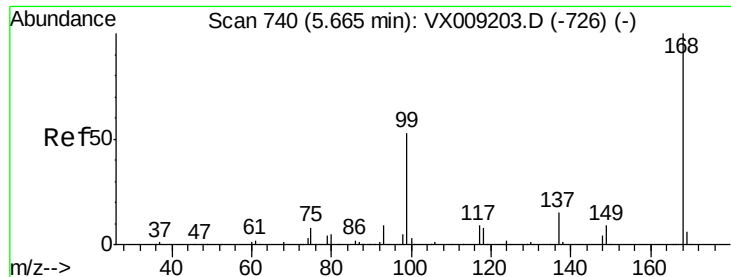
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051319\
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Quant Time: May 14 12:24:38 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009543.D

Acq: 13 May 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

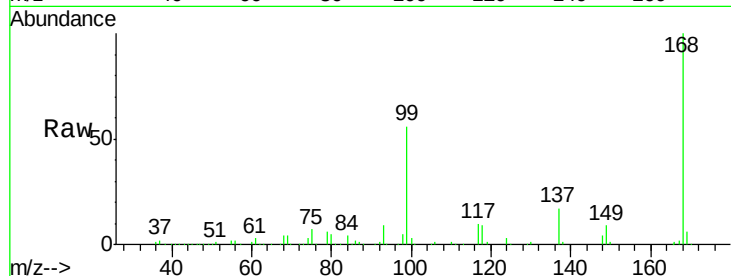
BP-VPB202-GW-338-340

Tot Ion:168 Resp: 190861

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

5.66

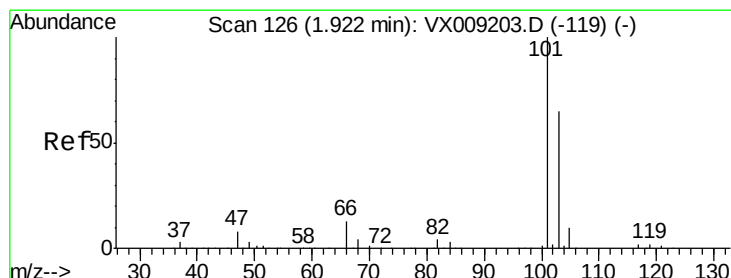
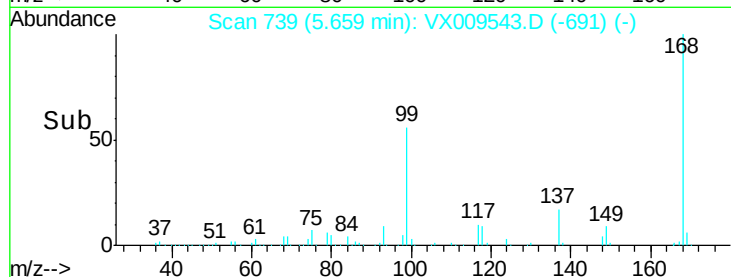
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#7

Trichlorofluoromethane

Concen: 3.076 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX009543.D

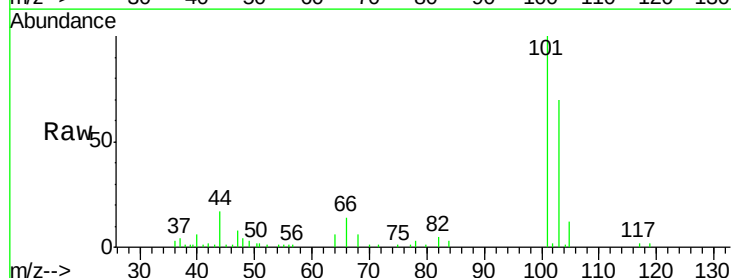
Acq: 13 May 2019 15:08

Tgt Ion:101 Resp: 8756

Ion Ratio Lower Upper

101 100

103 70.3 52.4 78.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

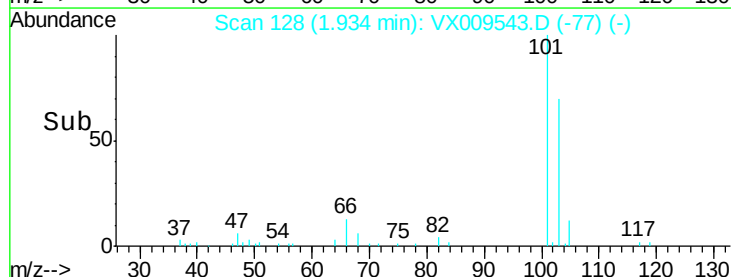
6000

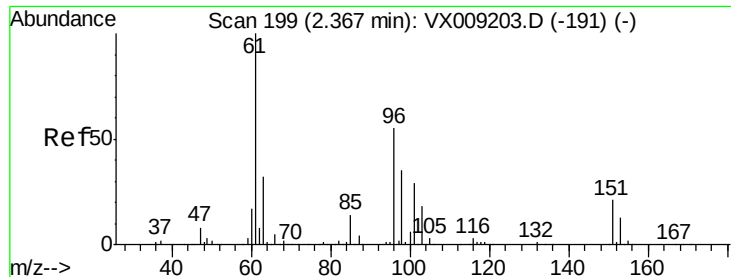
4000

2000

0

Time--> 1.85 1.90 1.95 2.00

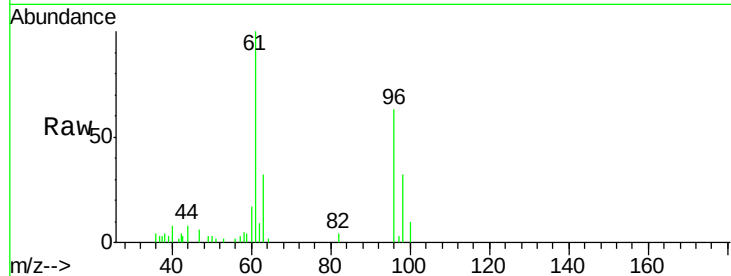




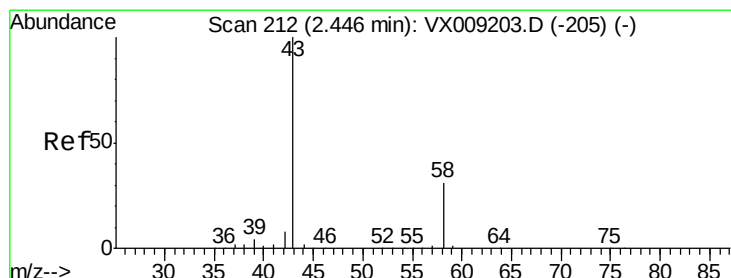
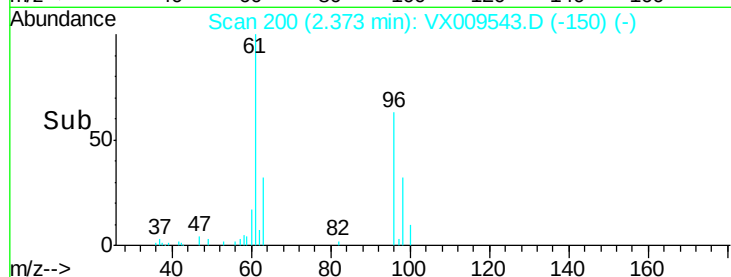
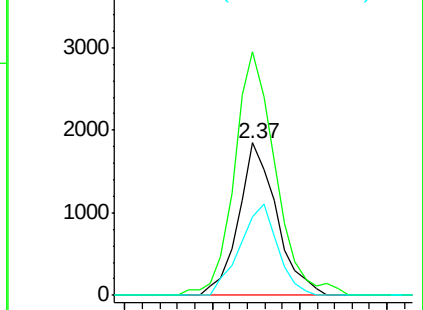
#12
 1,1-Dichloroethene
 Concen: 1.569 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009543.D
 Acq: 13 May 2019 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-338-340

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.7	144.3	216.5
98	51.9	50.3	75.5

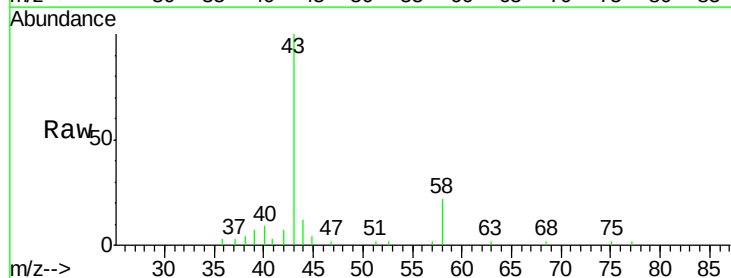


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

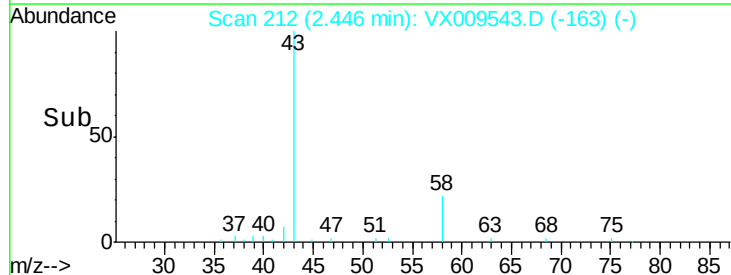
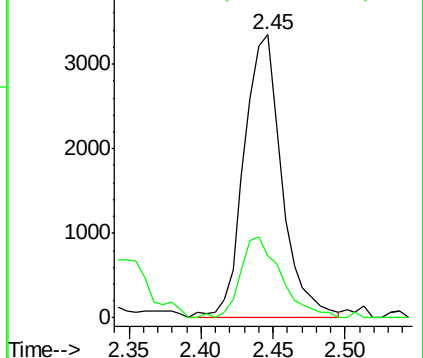


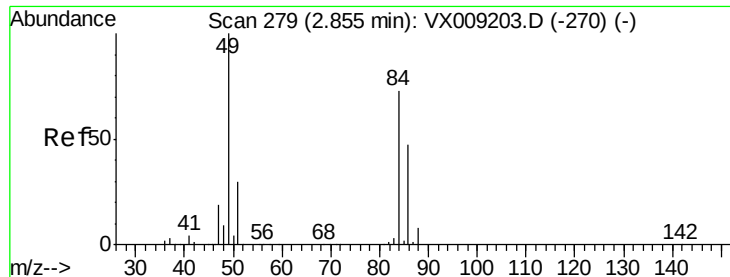
#16
 Acetone
 Concen: 4.372 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX009543.D
 Acq: 13 May 2019 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	21.8	24.9	37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

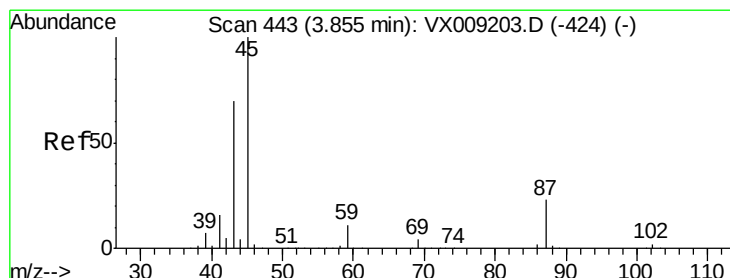
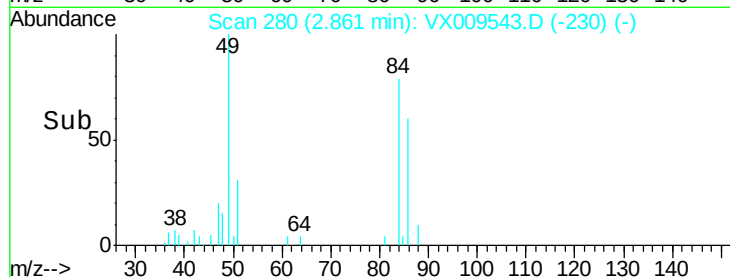
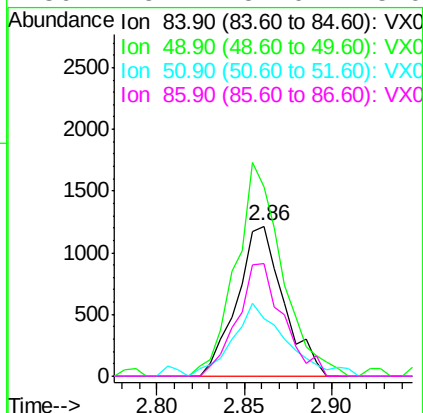
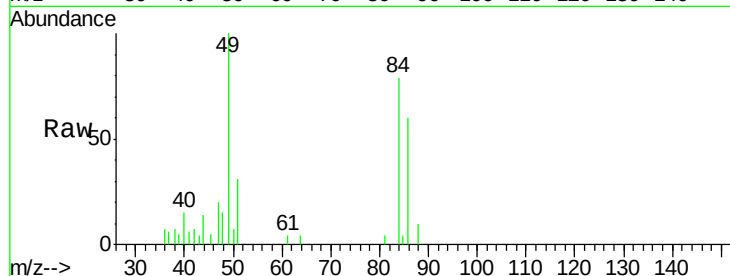




#20
Methvlene Chloride
Concen: 0.995 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009543.D
Acq: 13 May 2019 15:08

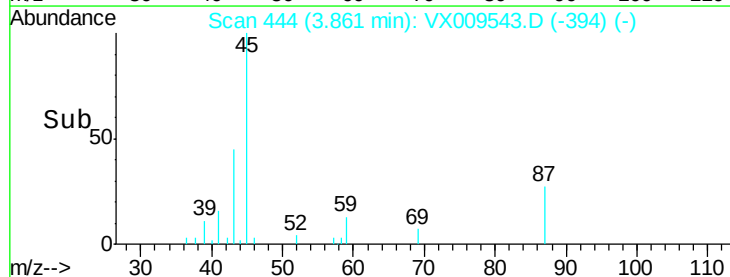
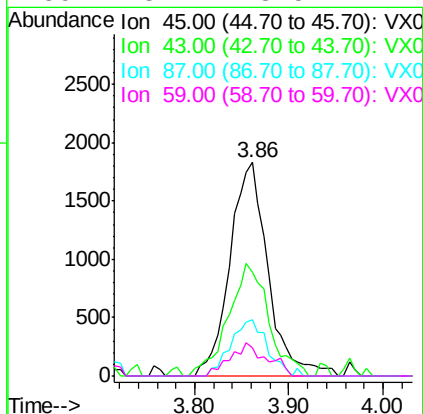
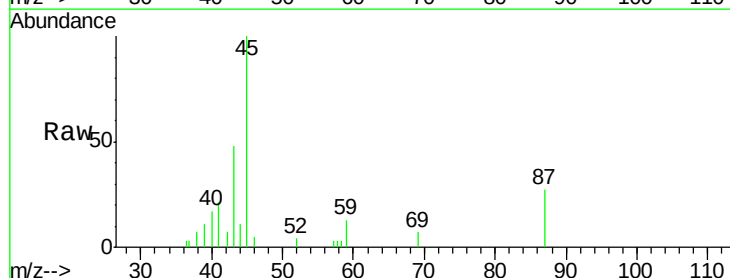
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-338-340

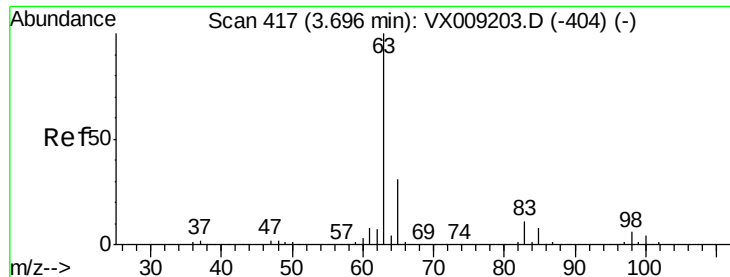
Tot Ion:	84	Resp:	2253
Ion	Ratio	Lower	Upper
84	100		
49	126.2	109.9	164.9
51	38.5	32.7	49.1
86	75.4	52.0	78.0



#22
Diisopropyl ether
Concen: 0.614 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX009543.D
Acq: 13 May 2019 15:08

Tgt Ion:	45	Resp:	5156
Ion	Ratio	Lower	Upper
45	100		
43	48.5	56.1	84.1#
87	26.5	18.1	27.1
59	13.4	8.5	12.7#





#24

1,1-Dichloroethane

Concen: 6.790 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009543.D

Acq: 13 May 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-338-340

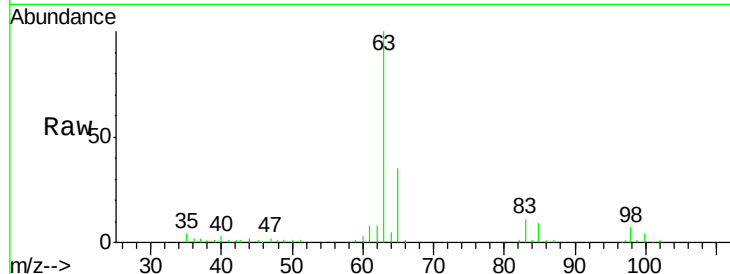
Tot Ion: 63 Resp: 28114

Ion Ratio Lower Upper

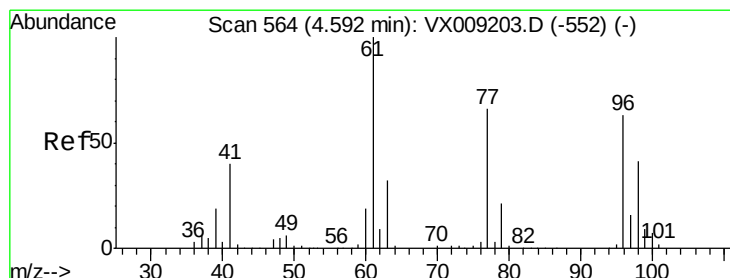
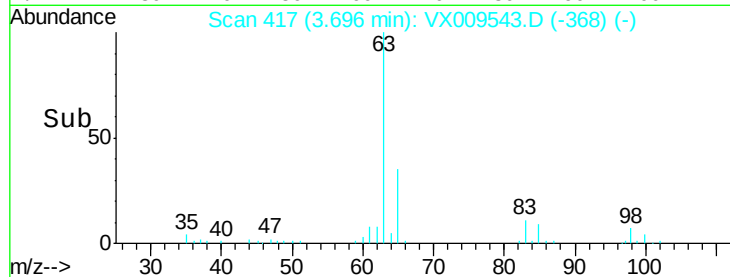
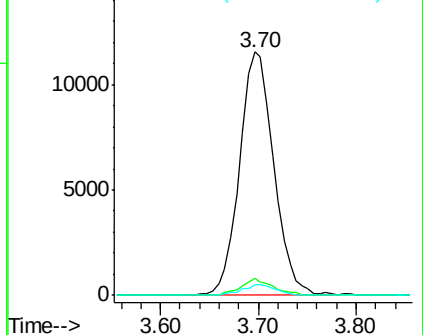
63 100

98 6.9 3.0 9.2

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.317 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009543.D

Acq: 13 May 2019 15:08

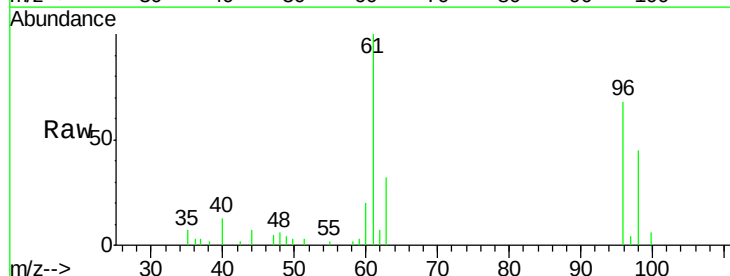
Tgt Ion: 96 Resp: 5372

Ion Ratio Lower Upper

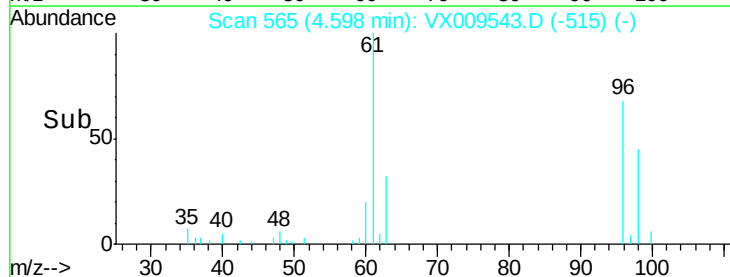
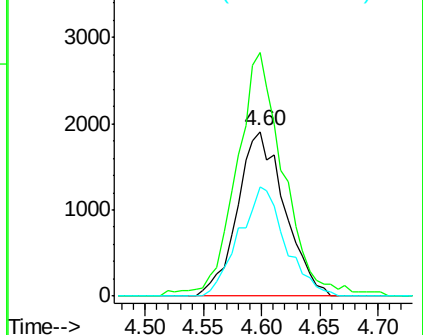
96 100

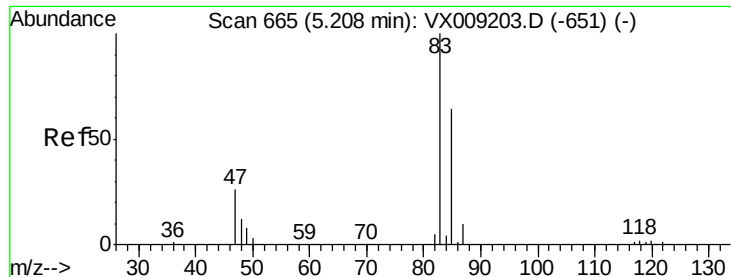
61 148.2 0.0 324.0

98 64.9 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

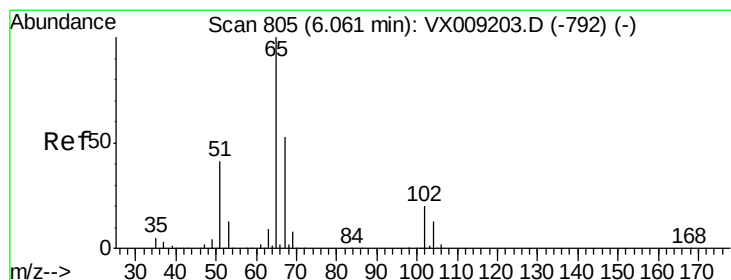
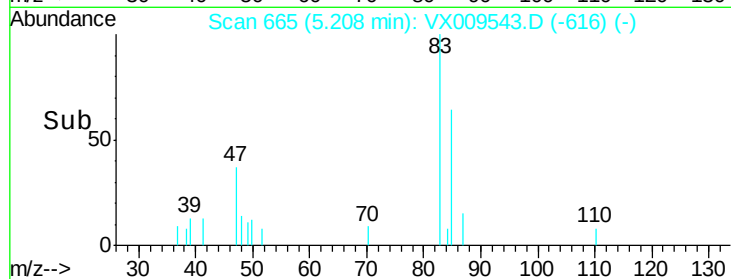
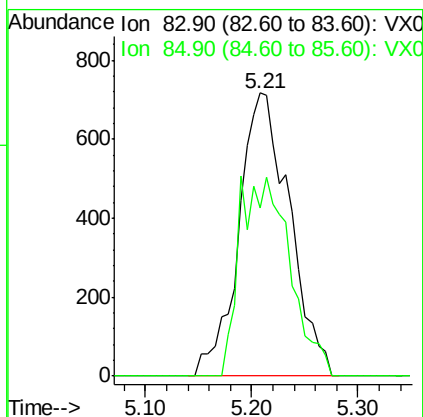
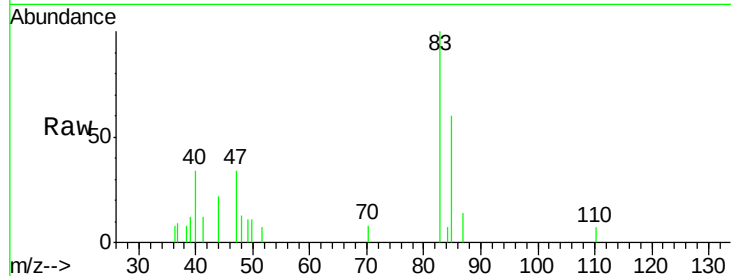




#30
Chloroform
Concen: 0.637 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009543.D
Acq: 13 May 2019 15:08

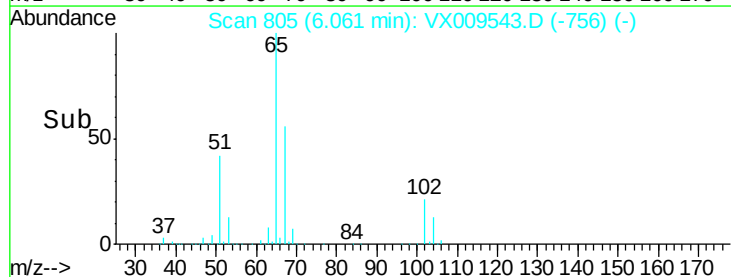
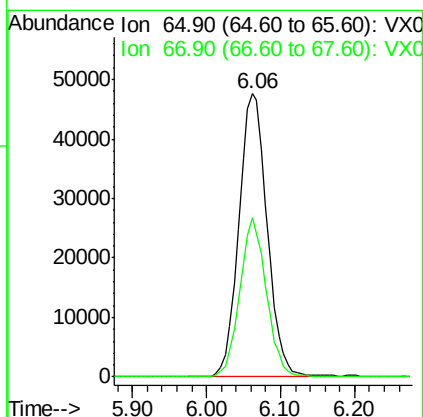
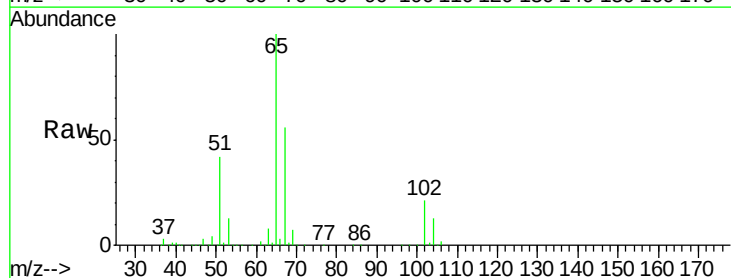
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-338-340

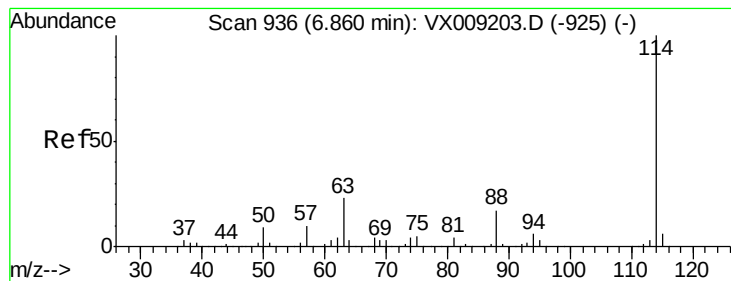
Tot Ion: 83 Resp: 2386
Ion Ratio Lower Upper
83 100
85 59.6 51.5 77.3



#33
1,2-Dichloroethane-d4
Concen: 48.589 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009543.D
Acq: 13 May 2019 15:08

Tgt Ion: 65 Resp: 126597
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009543.D

Acq: 13 May 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-338-340

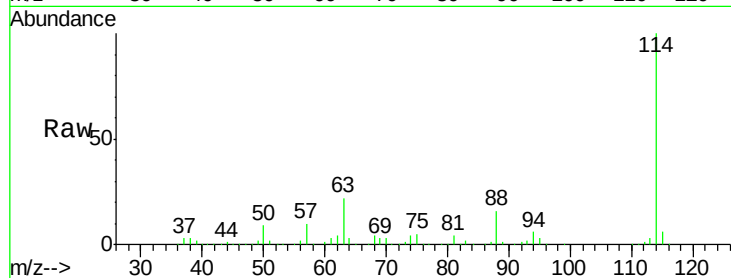
Tot Ion:114 Resp: 308046

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

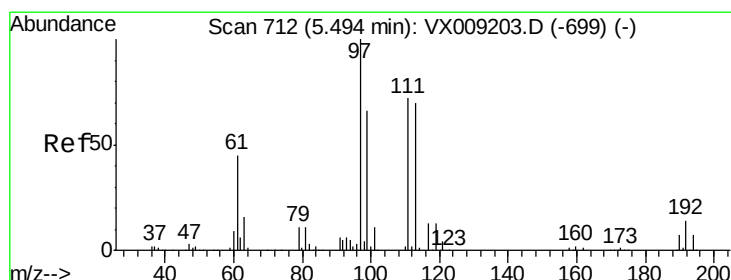
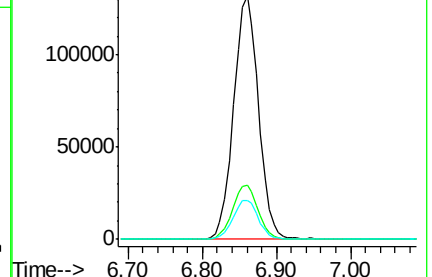
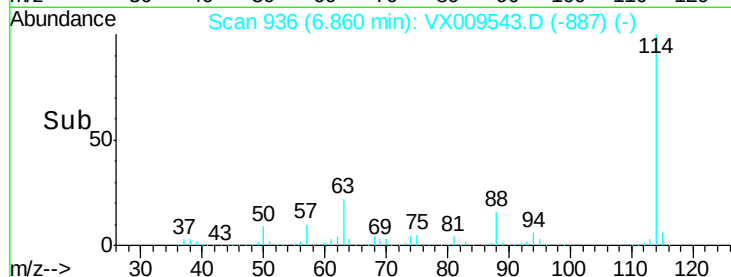
88 15.9 0.0 33.2



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: 48.459 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009543.D

Acq: 13 May 2019 15:08

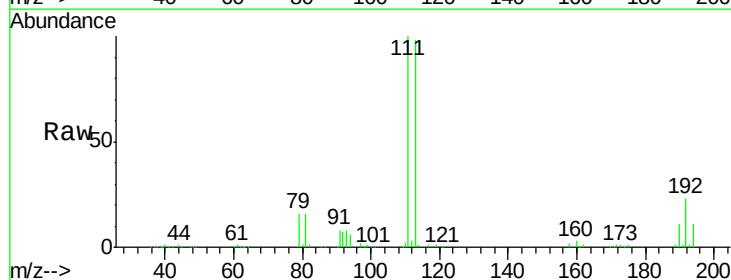
Tgt Ion:113 Resp: 93841

Ion Ratio Lower Upper

113 100

111 103.4 82.8 124.2

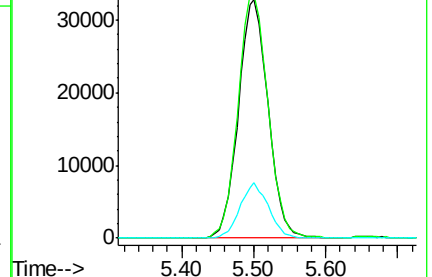
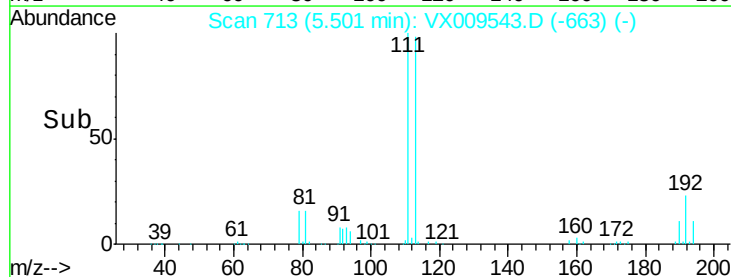
192 22.3 17.0 25.6

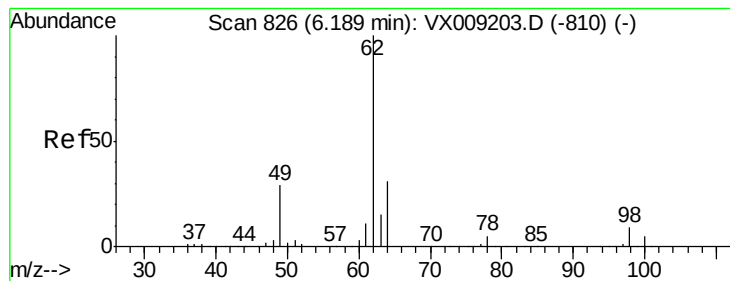


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#42

1,2-Dichloroethane

Concen: 2.807 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009543.D

Acq: 13 May 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

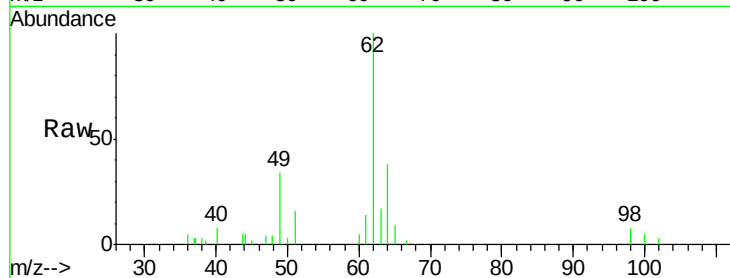
BP-VPB202-GW-338-340

Tot Ion: 62 Resp: 8922

Ion Ratio Lower Upper

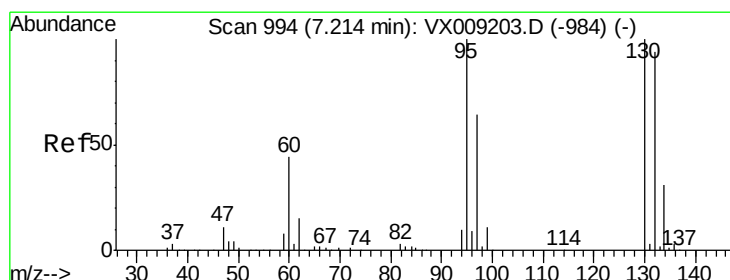
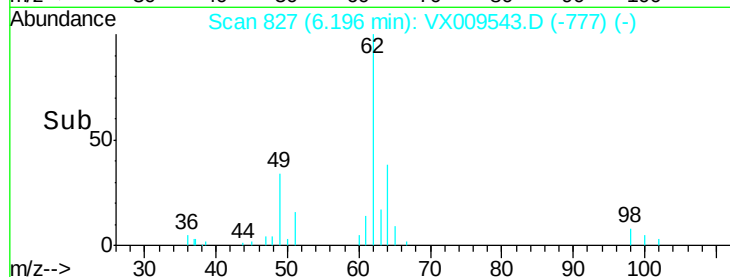
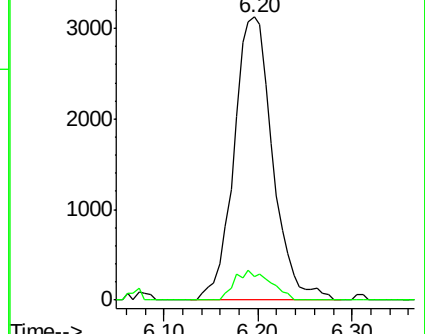
62 100

98 9.7 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX009203.D (-810) (-)

Ion 97.90 (97.60 to 98.60): VX009203.D (-810) (-)



#44

Trichloroethene

Concen: 27.452 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009543.D

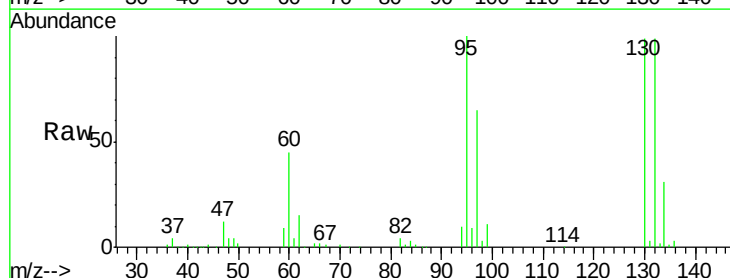
Acq: 13 May 2019 15:08

Tgt Ion:130 Resp: 58797

Ion Ratio Lower Upper

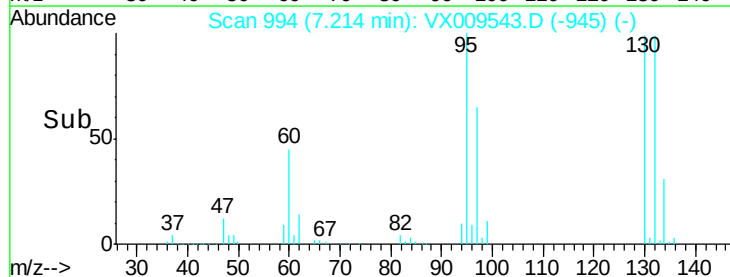
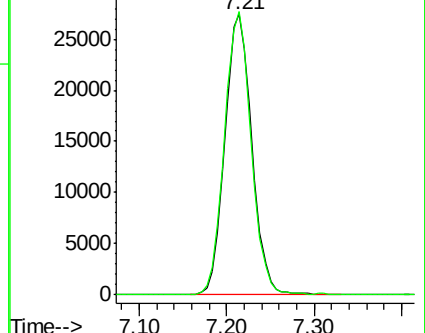
130 100

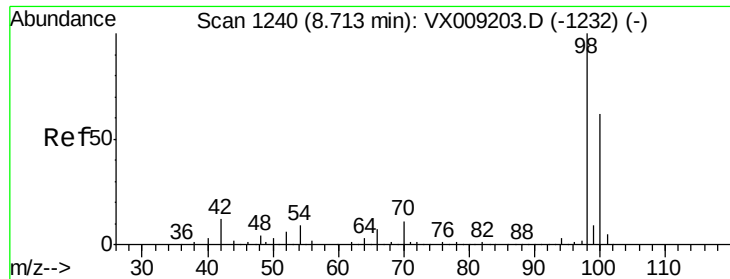
95 100.9 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): VX009203.D (-984) (-)

Ion 94.90 (94.60 to 95.60): VX009203.D (-984) (-)





#50

Toluene-d8

Concen: 48.831 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009543.D

Acq: 13 May 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

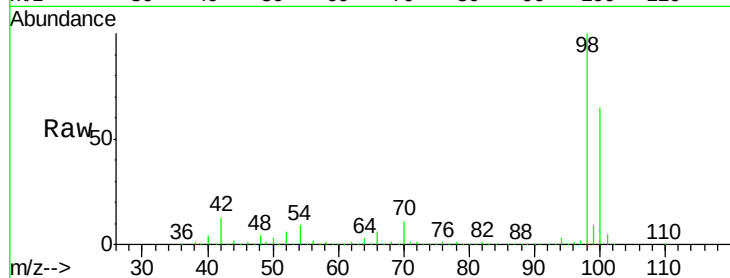
BP-VPB202-GW-338-340

Tot Ion: 98 Resp: 381767

Ion Ratio Lower Upper

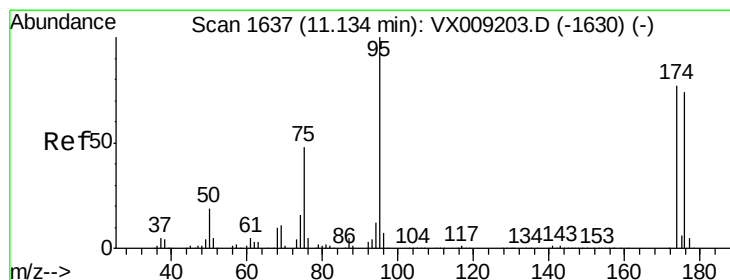
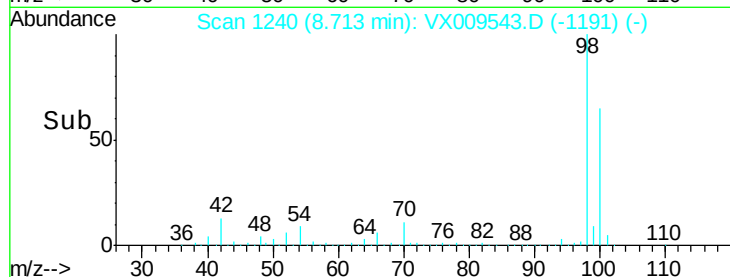
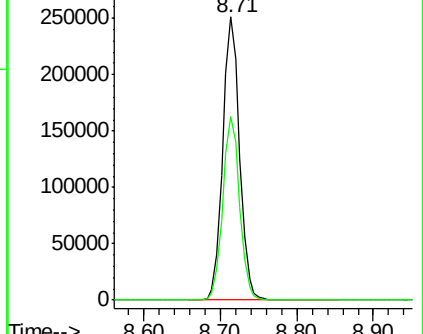
98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.175 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009543.D

Acq: 13 May 2019 15:08

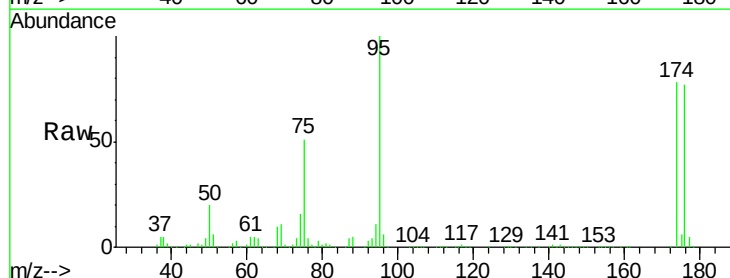
Tgt Ion: 95 Resp: 125494

Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.6

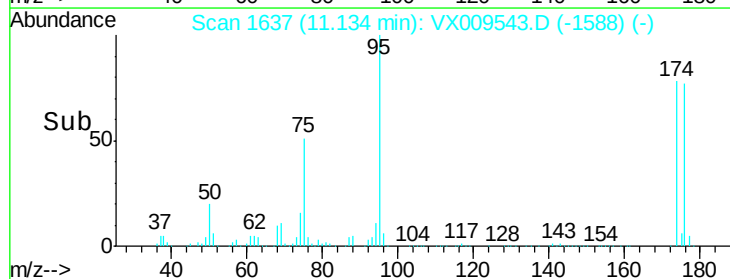
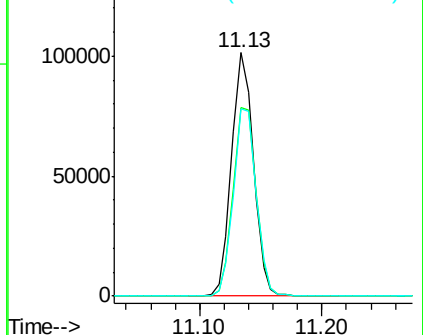
176 80.0 0.0 159.2

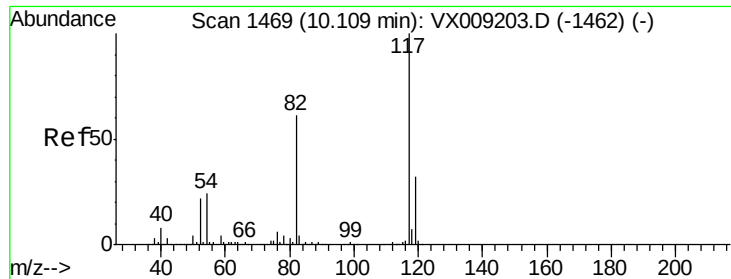


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

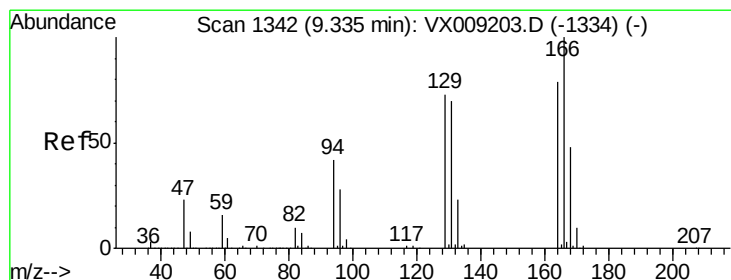
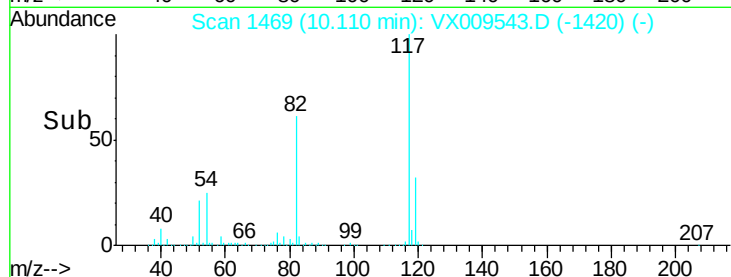
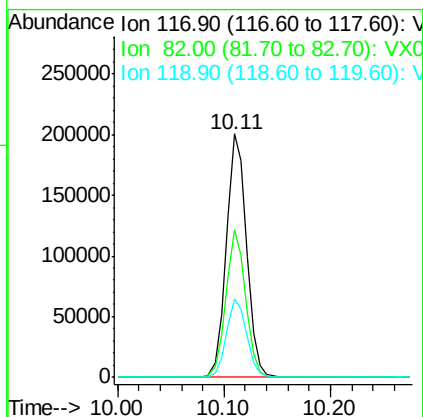
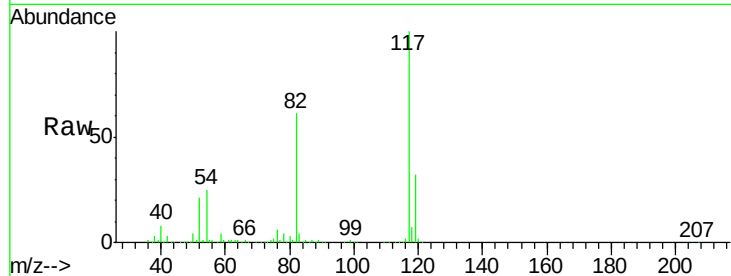




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009543.D
Acq: 13 May 2019 15:08

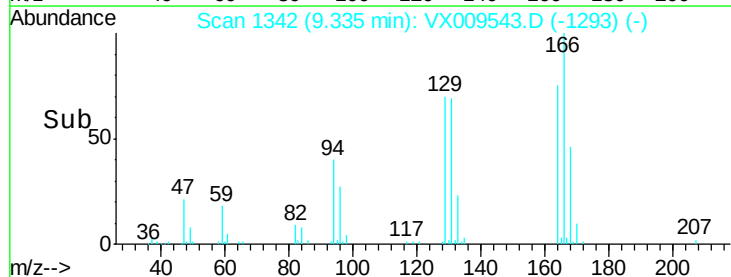
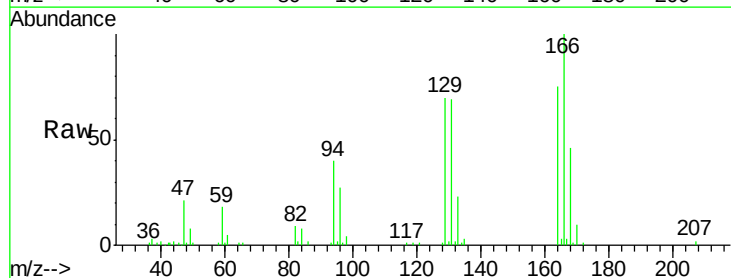
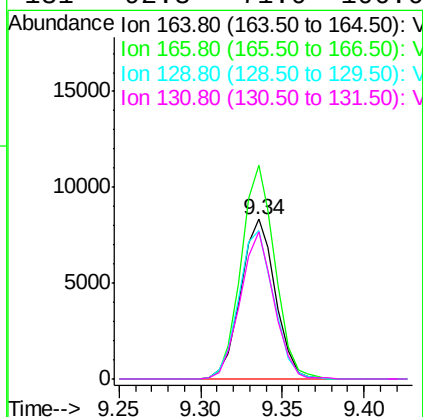
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-338-340

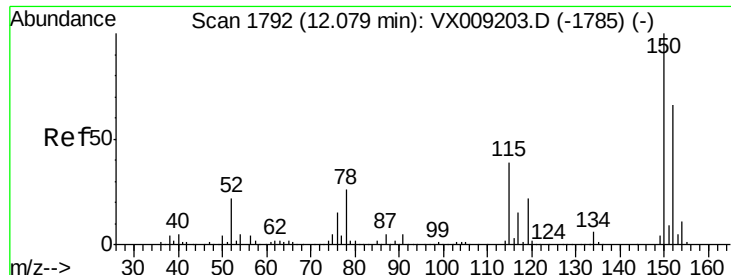
Tot Ion:117 Resp: 267781
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 6.716 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009543.D
Acq: 13 May 2019 15:08

Tgt Ion:164 Resp: 12336
Ion Ratio Lower Upper
164 100
166 133.5 101.2 151.8
129 93.0 74.3 111.5
131 92.3 71.0 106.6

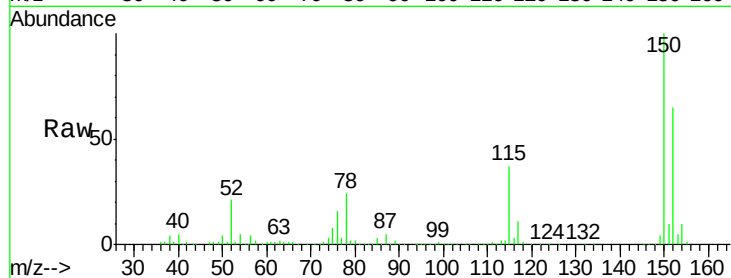




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX009543.D
 Acq: 13 May 2019 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-338-340

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	41.2	123.6
150	158.1	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

