

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073119\
 Data File : VX011246.D
 Acq On : 31 Jul 2019 16:30
 Operator : JC/SP
 Sample : K4043-14
 Misc : 5.10g/10mL/100uL/10mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-298-300

Quant Time: Jul 31 16:51:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	242655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	344360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138679	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	118334	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
35) Dibromofluoromethane	5.50	113	94361	43.17	ug/l	0.00
Spiked Amount			Recovery	=	86.34%	
50) Toluene-d8	8.71	98	389088	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.13	95	122919	40.79	ug/l	0.00
Spiked Amount			Recovery	=	81.58%	

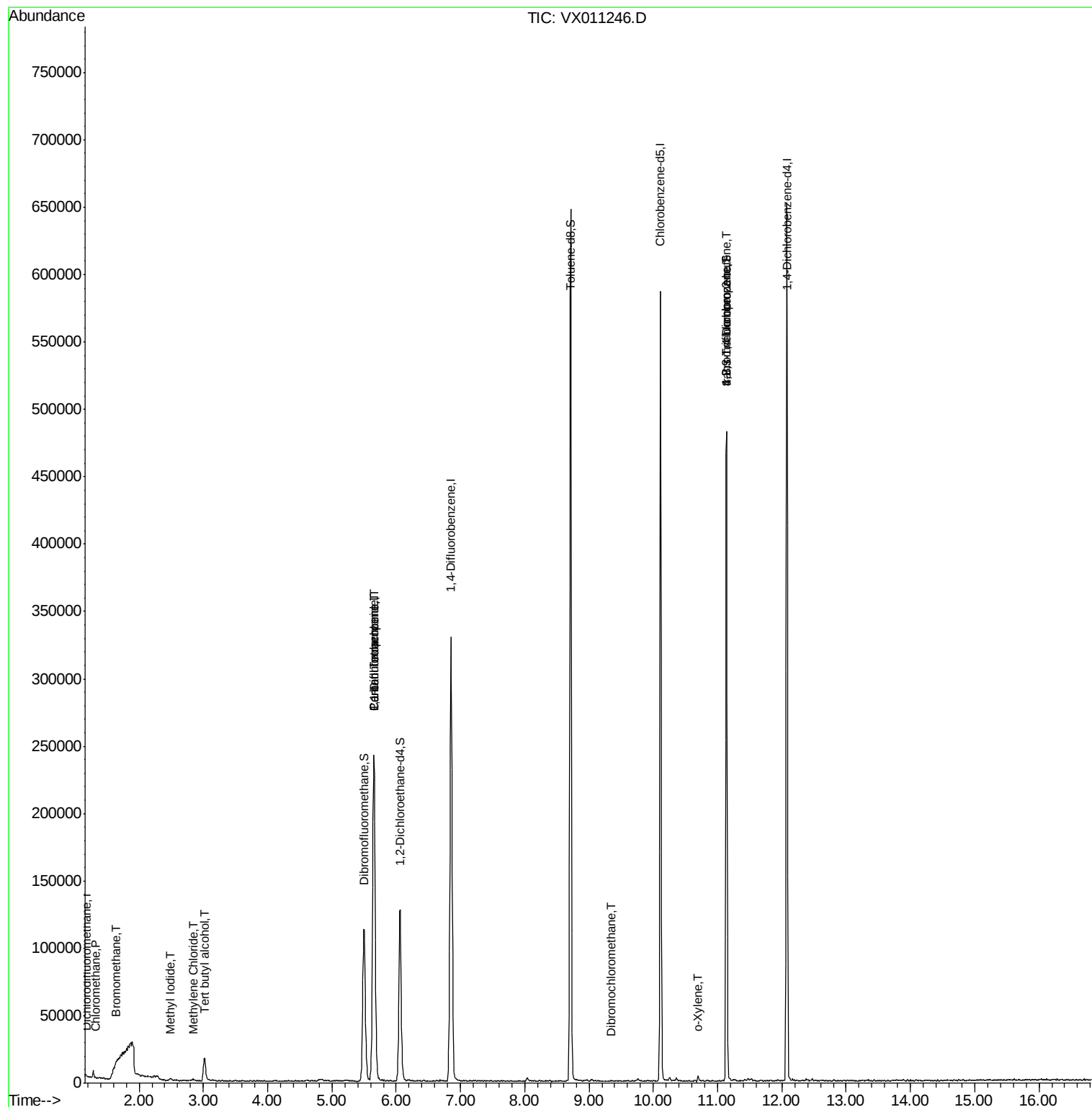
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	20	0.554	ug/l #	43
3) Chloromethane	1.32	50	509	0.228	ug/l #	60
5) Bromomethane	1.64	94	944	0.736	ug/l	85
10) Methyl Iodide	2.48	142	687	0.238	ug/l #	85
11) Tert butyl alcohol	3.02	59	9711	16.153	ug/l #	77
20) Methylene Chloride	2.84	84	533	0.216	ug/l	93
36) 1,1-Dichloropropene	5.65	75	16659	5.889	ug/l #	49
38) Carbon Tetrachloride	5.65	117	21719	7.369	ug/l #	17
60) Dibromochloromethane	9.34	129	78	2.555	ug/l #	11
69) o-Xylene	10.69	106	777	0.211	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	61620	24.623	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	61620	61.398	ug/l #	11

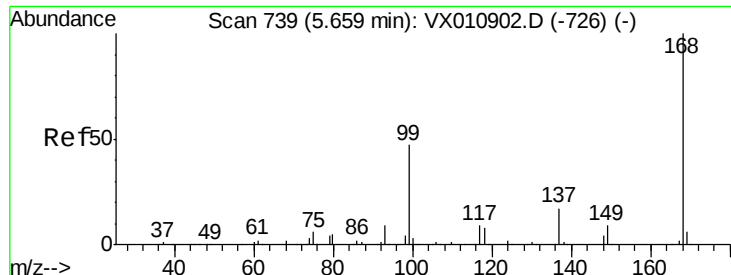
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX073119\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX011246.D

Acq: 31 Jul 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

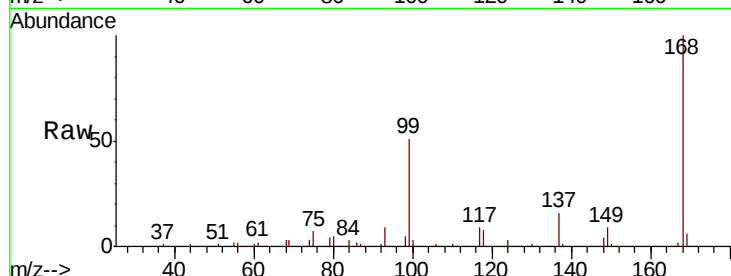
BP-VPB203-GW-298-300

Tgt Ion: 168 Resp: 242655

Ion Ratio Lower Upper

168 100

99 50.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

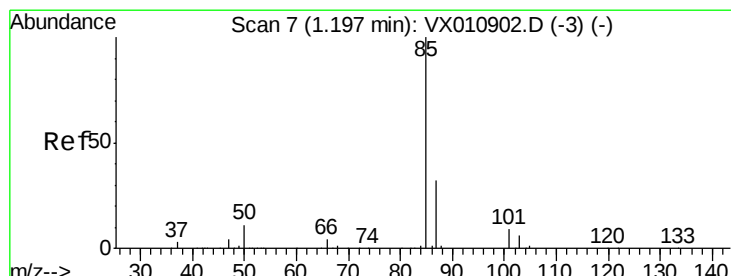
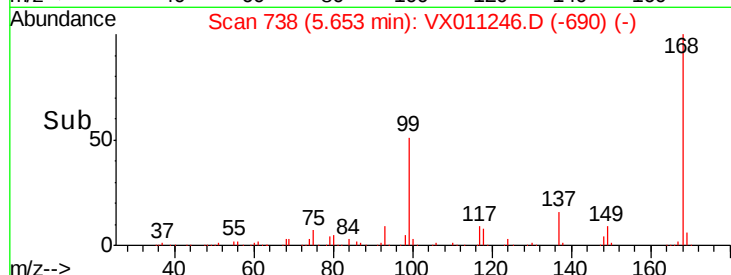
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.554 ug/l

RT: 1.18 min Scan# 5

Delta R.T. -0.01 min

Lab File: VX011246.D

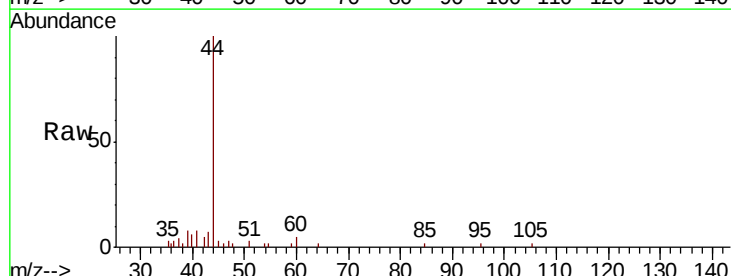
Acq: 31 Jul 2019 16:30

Tgt Ion: 85 Resp: 20

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

60

50

40

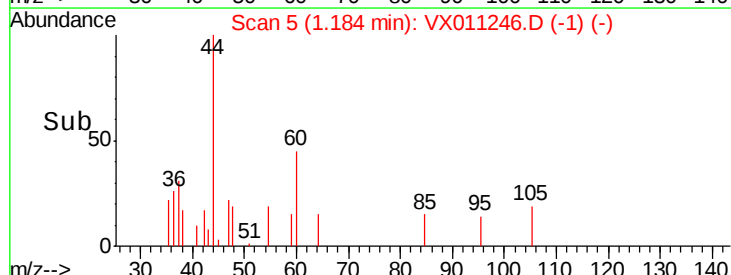
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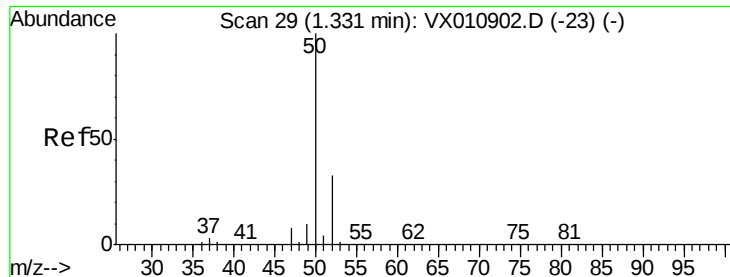
20

10

0

Time--> 1.17 1.18 1.19 1.20





#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011246.D

Acq: 31 Jul 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

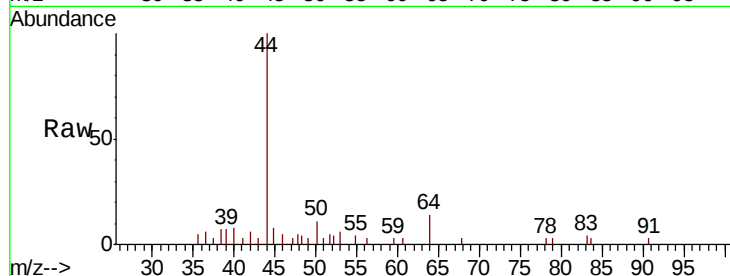
BP-VPB203-GW-298-300

Tgt Ion: 50 Resp: 509

Ion Ratio Lower Upper

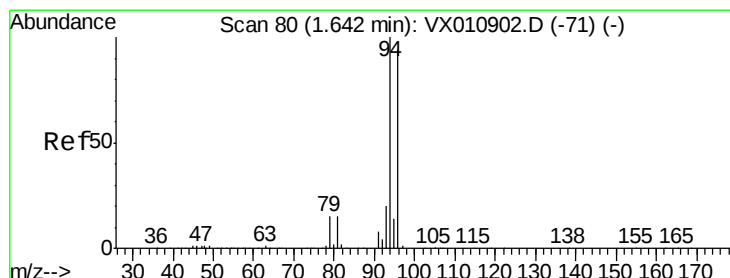
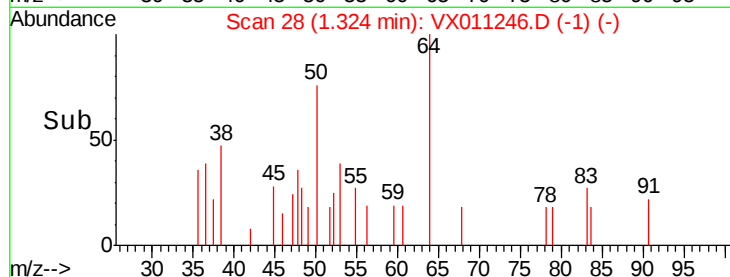
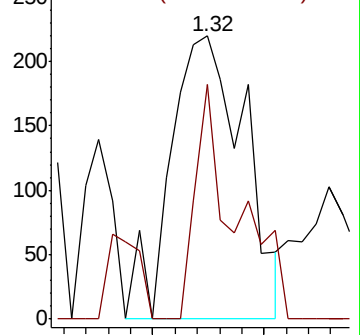
50 100

52 55.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.736 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011246.D

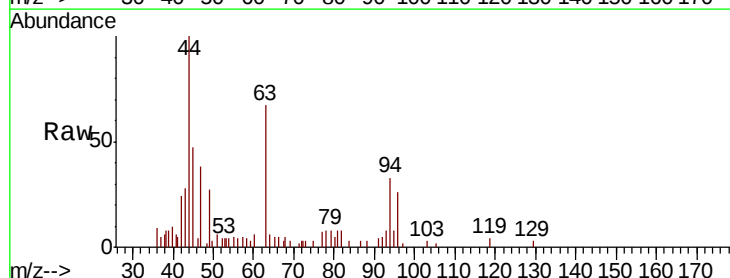
Acq: 31 Jul 2019 16:30

Tgt Ion: 94 Resp: 944

Ion Ratio Lower Upper

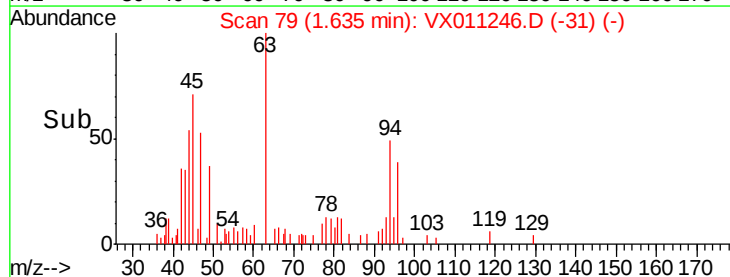
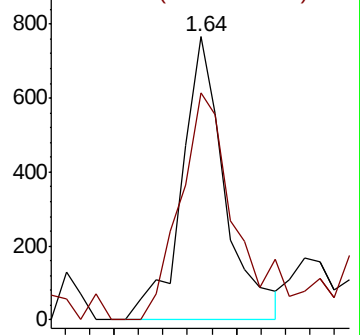
94 100

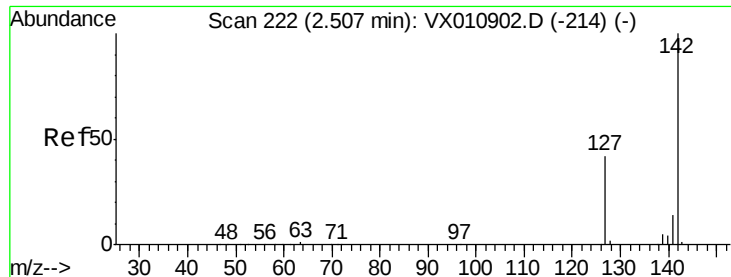
96 80.0 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

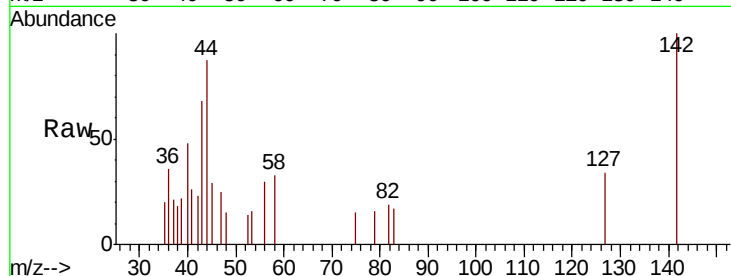




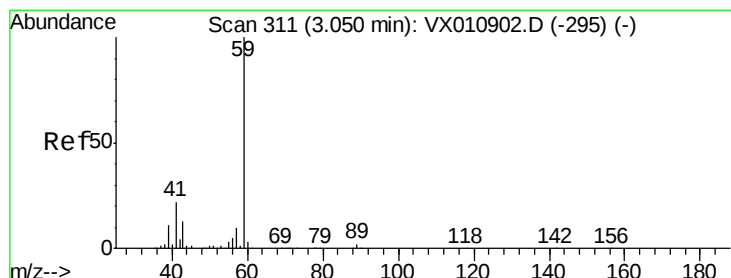
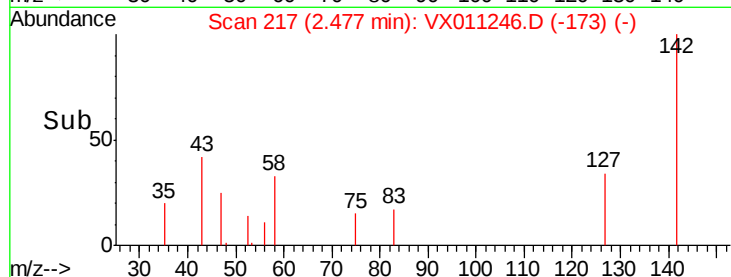
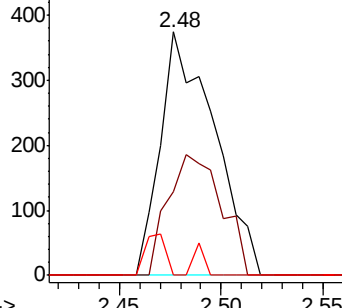
#10
Methyl Iodide
Concen: 0.238 ug/l
RT: 2.48 min Scan# 217
Delta R.T. -0.03 min
Lab File: VX011246.D
Acq: 31 Jul 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-298-300

Tgt Ion: 142 Resp: 687
Ion Ratio Lower Upper
142 100
127 49.3 34.2 51.4
141 2.8 11.7 17.5#

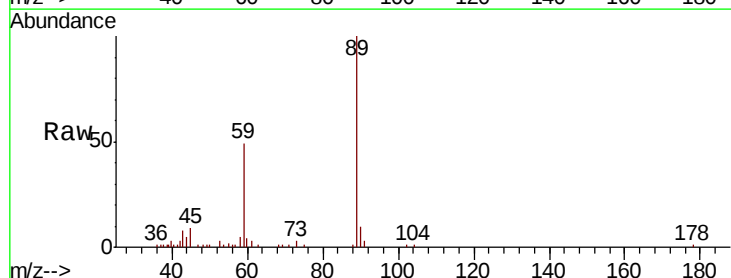


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

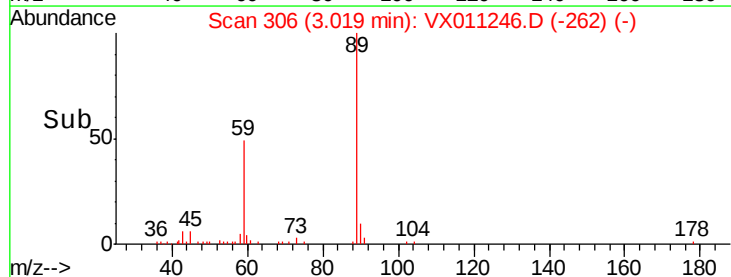
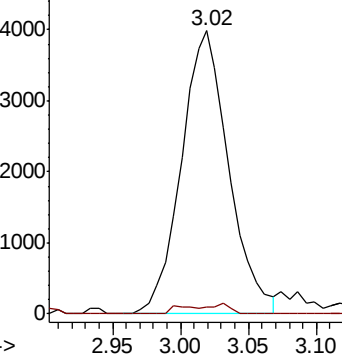


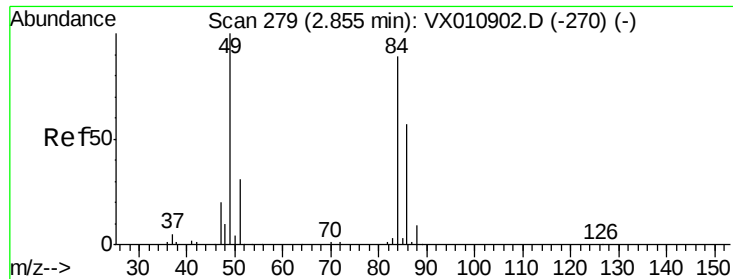
#11
Tert butyl alcohol
Concen: 16.153 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX011246.D
Acq: 31 Jul 2019 16:30

Tgt Ion: 59 Resp: 9711
Ion Ratio Lower Upper
59 100
57 1.5 7.9 11.9#



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

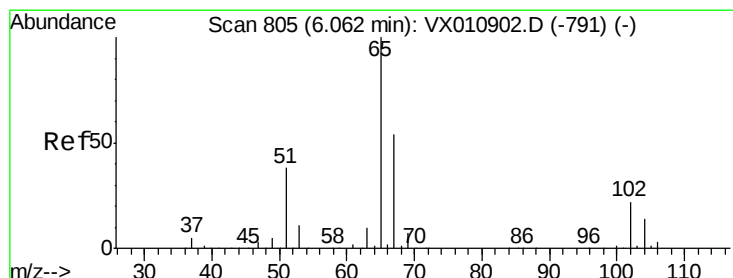
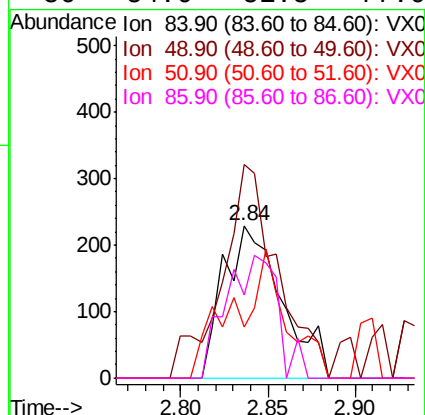
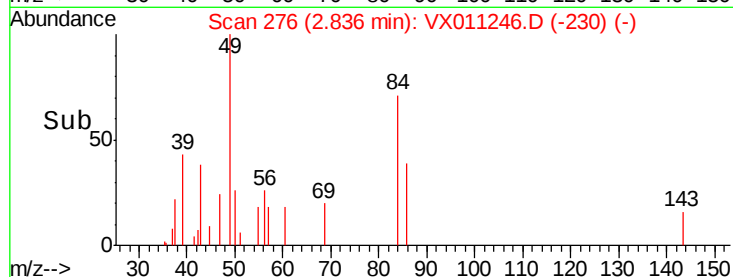
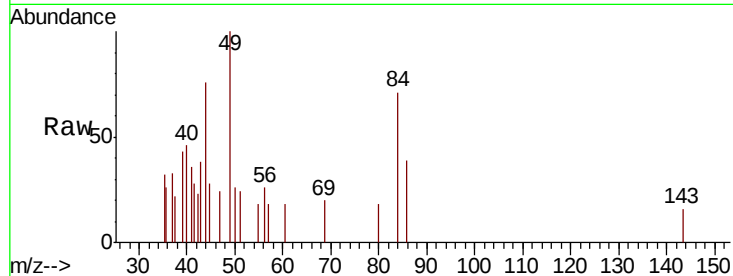




#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX011246.D
Acq: 31 Jul 2019 16:30

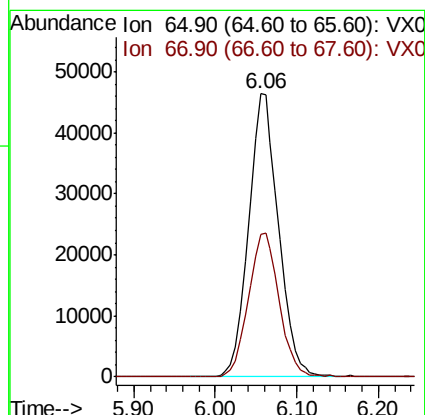
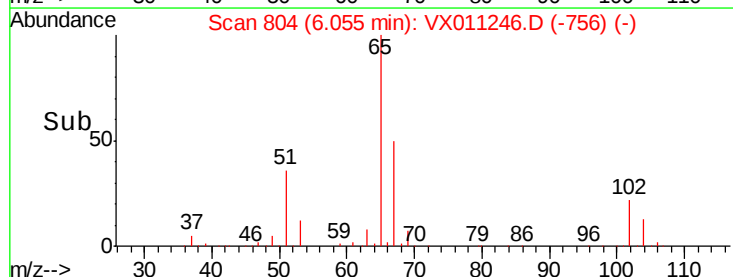
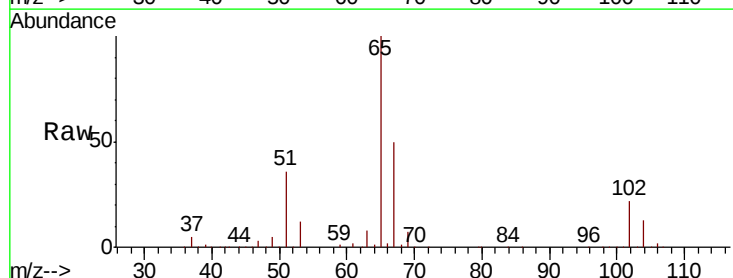
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-298-300

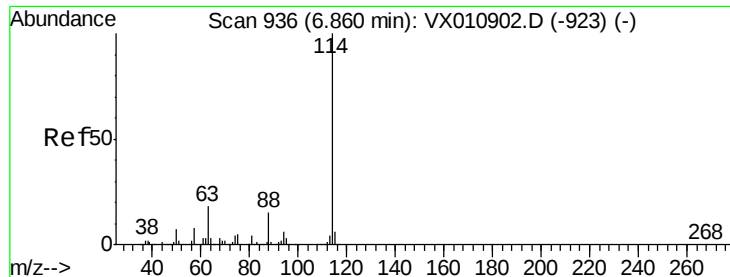
Tgt Ion: 84 Resp: 533
Ion Ratio Lower Upper
84 100
49 117.0 89.9 134.9
51 33.6 27.8 41.6
86 54.6 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: 45.840 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX011246.D
Acq: 31 Jul 2019 16:30

Tgt Ion: 65 Resp: 118334
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011246.D

Acq: 31 Jul 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-298-300

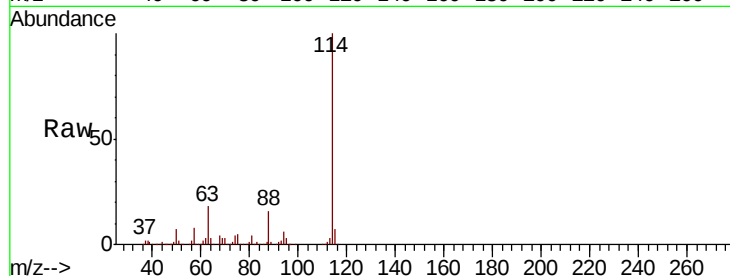
Tgt Ion:114 Resp: 344360

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

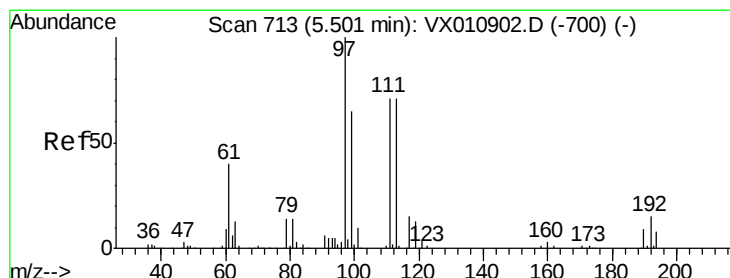
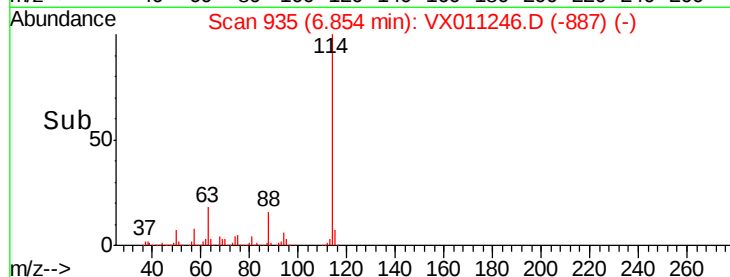
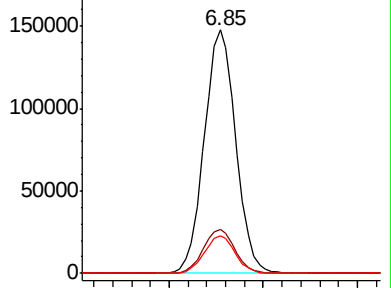
88 15.6 0.0 29.8



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: 43.171 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011246.D

Acq: 31 Jul 2019 16:30

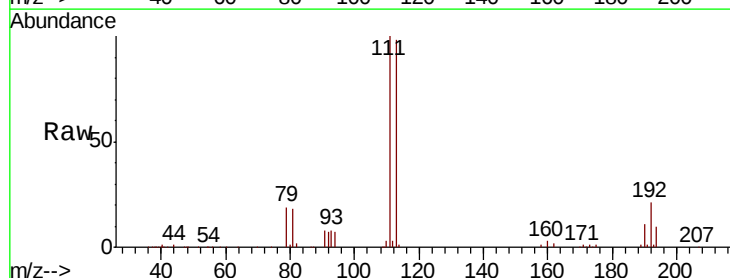
Tgt Ion:113 Resp: 94361

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

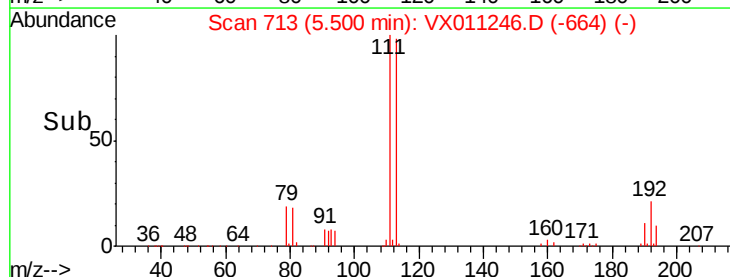
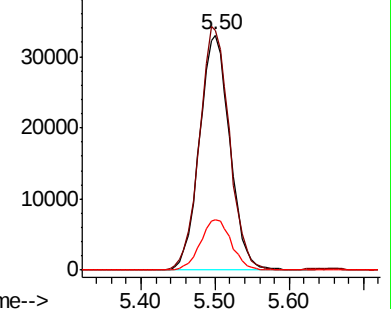
192 21.7 17.4 26.2

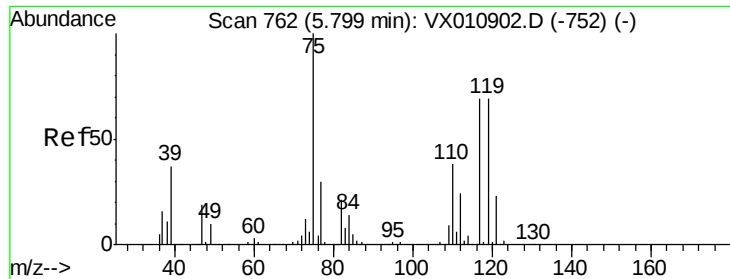


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

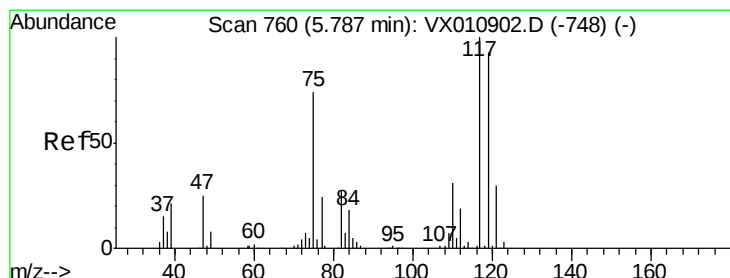
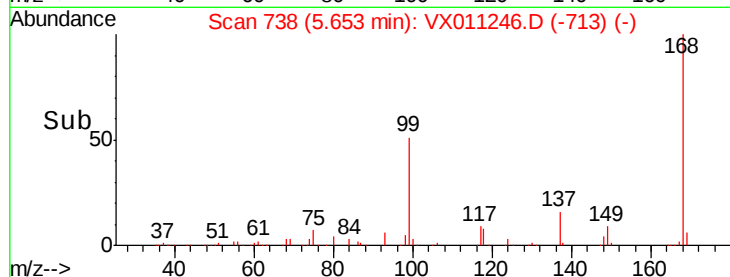
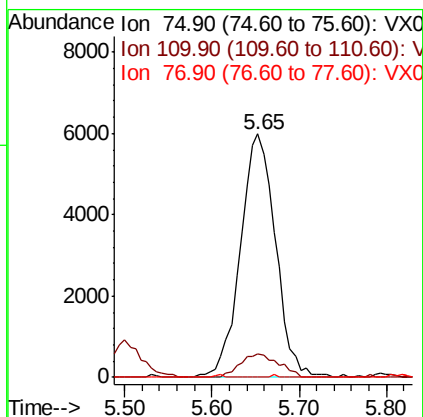
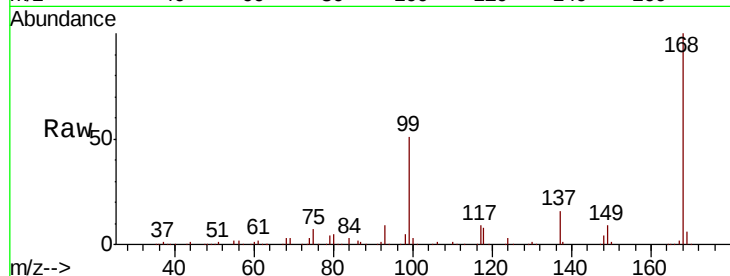




#36
 1,1-Dichloropropene
 Concen: 5.889 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011246.D
 Acq: 31 Jul 2019 16:30

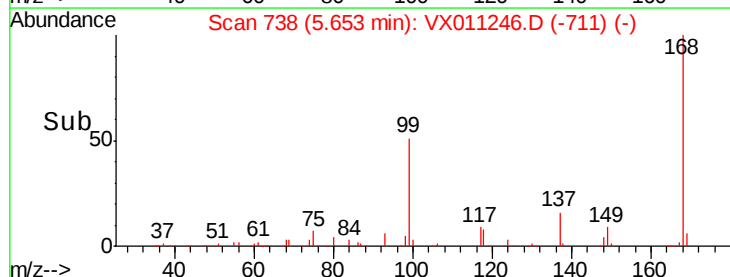
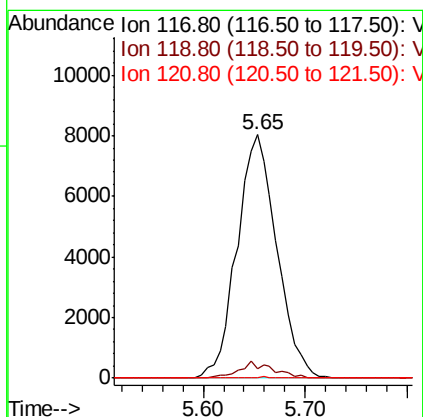
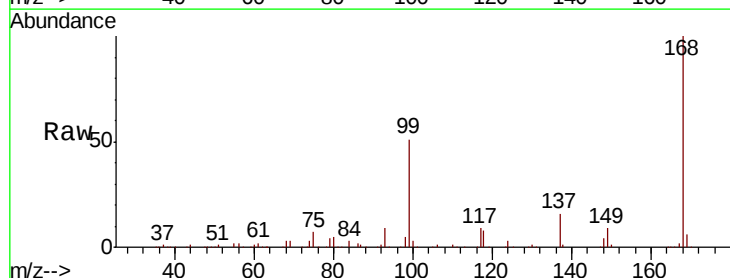
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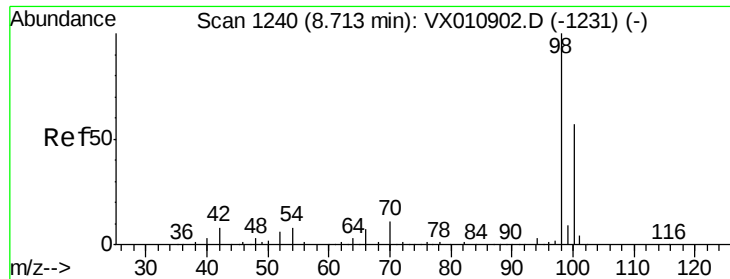
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	19.9	59.7#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.369 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011246.D
 Acq: 31 Jul 2019 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	74.2	111.2#
121	0.0	24.2	36.2#

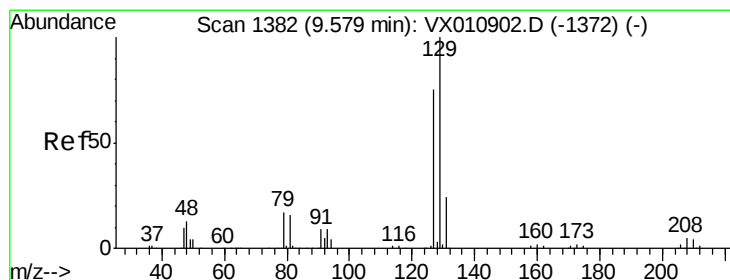
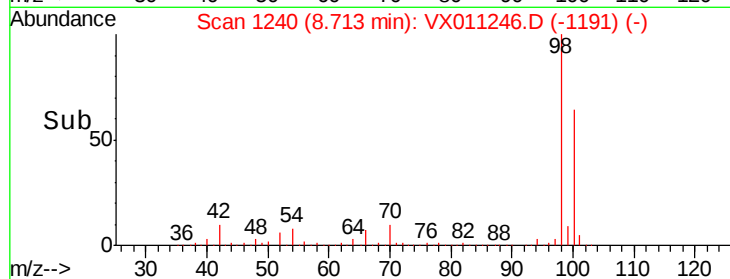
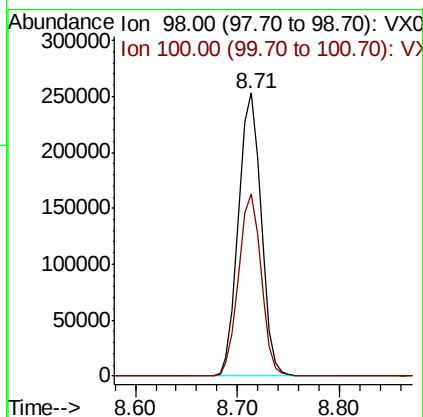
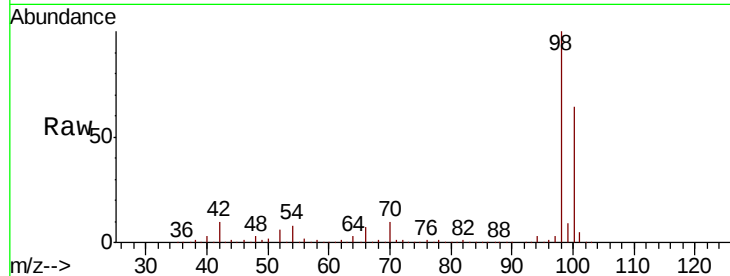




#50
Toluene-d8
Concen: 47.462 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011246.D
Acq: 31 Jul 2019 16:30

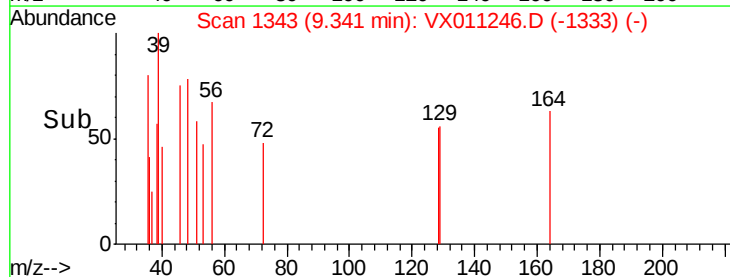
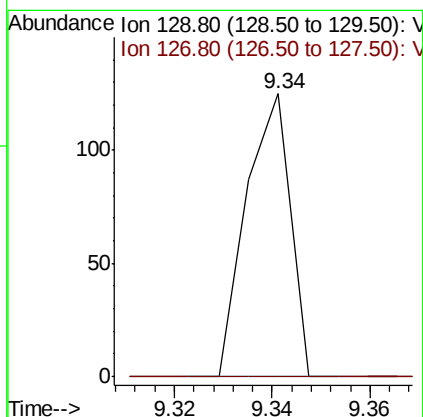
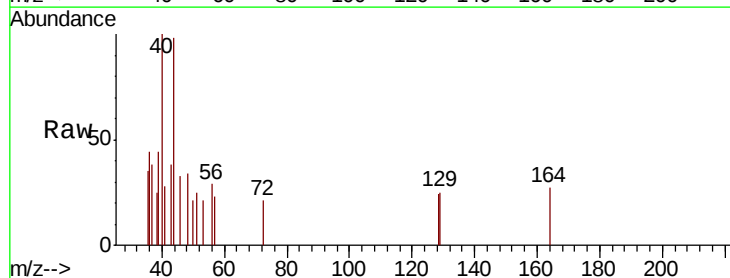
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-298-300

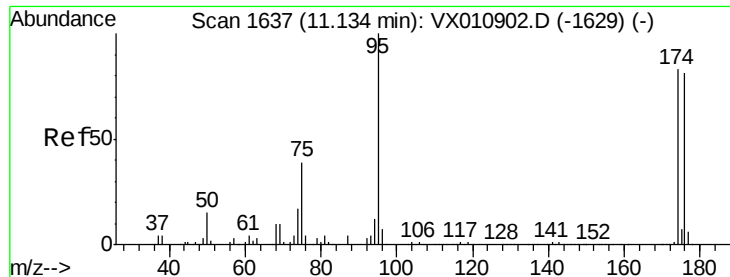
Tgt Ion: 98 Resp: 389088
Ion Ratio Lower Upper
98 100
100 64.2 50.6 75.8



#60
Dibromochloromethane
Concen: 2.555 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. -0.24 min
Lab File: VX011246.D
Acq: 31 Jul 2019 16:30

Tgt Ion: 129 Resp: 78
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 40.792 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011246.D

Acq: 31 Jul 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-298-300

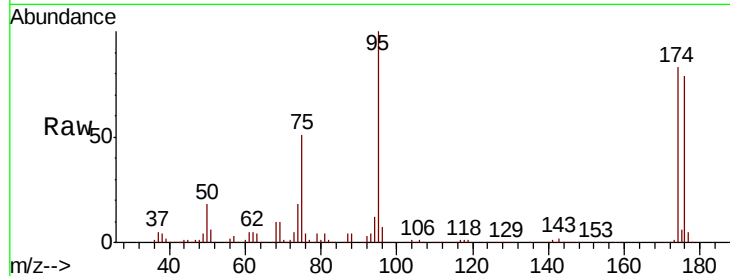
Tgt Ion: 95 Resp: 122919

Ion Ratio Lower Upper

95 100

174 92.4 0.0 180.6

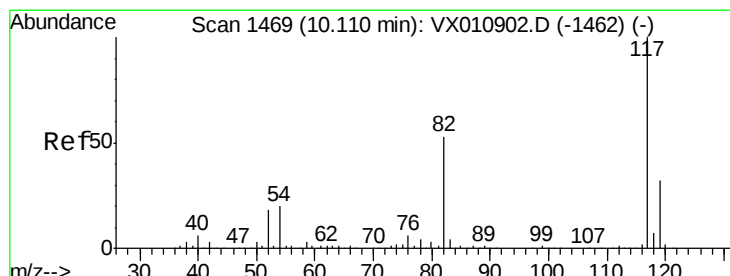
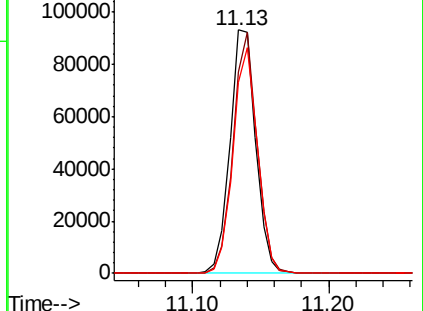
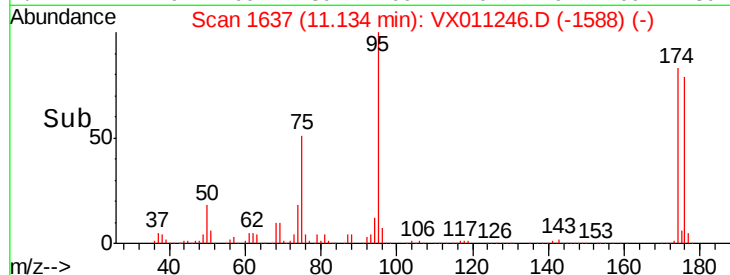
176 88.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011246.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011246.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011246.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011246.D

Acq: 31 Jul 2019 16:30

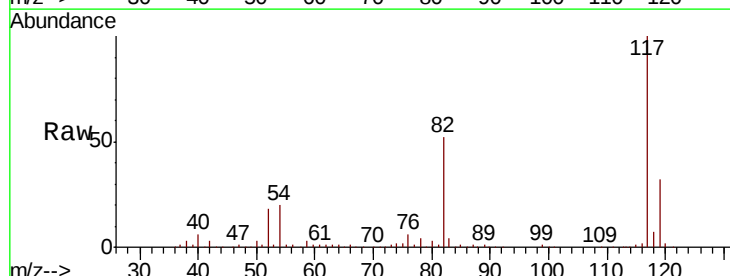
Tgt Ion: 117 Resp: 281753

Ion Ratio Lower Upper

117 100

82 52.4 42.6 63.8

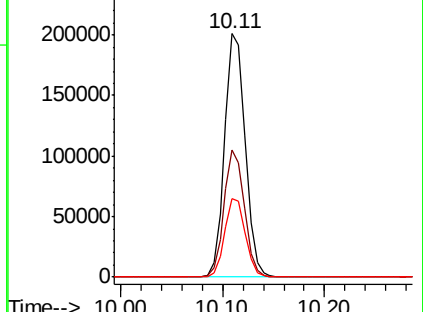
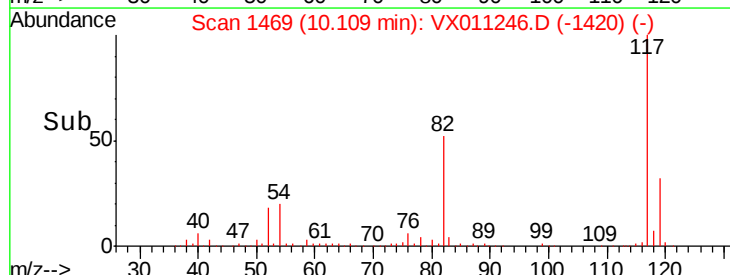
119 32.1 25.9 38.9

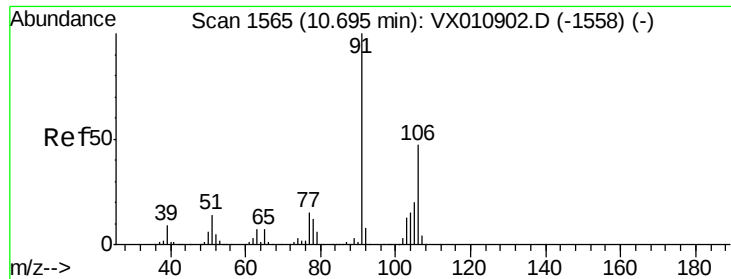


Abundance Ion 116.90 (116.60 to 117.60): VX011246.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011246.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011246.D (-1420) (-)

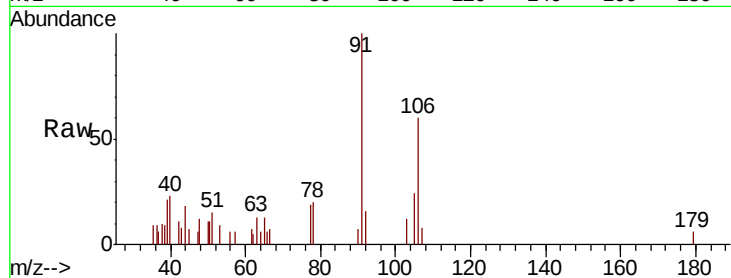




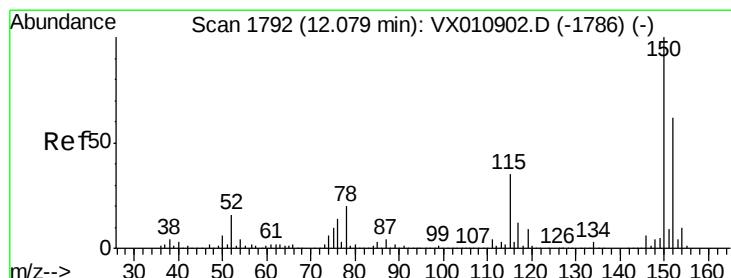
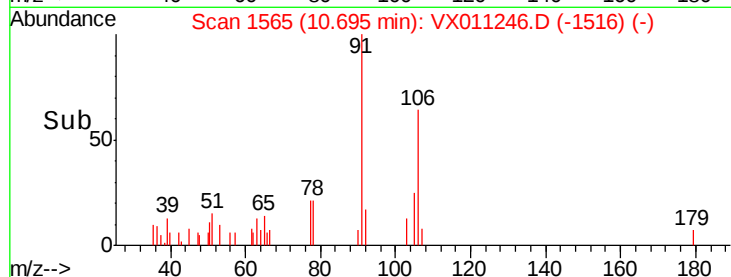
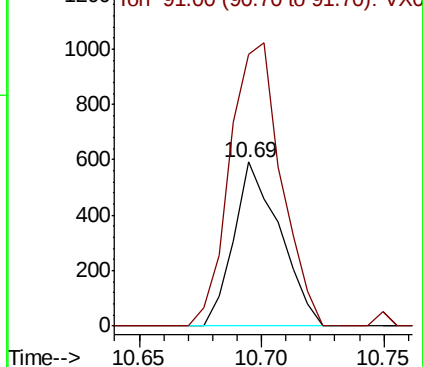
#69
o-Xylene
Concen: 0.211 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011246.D
Acq: 31 Jul 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-298-300

Tgt Ion:106 Resp: 777
Ion Ratio Lower Upper
106 100
91 192.8 105.1 315.3

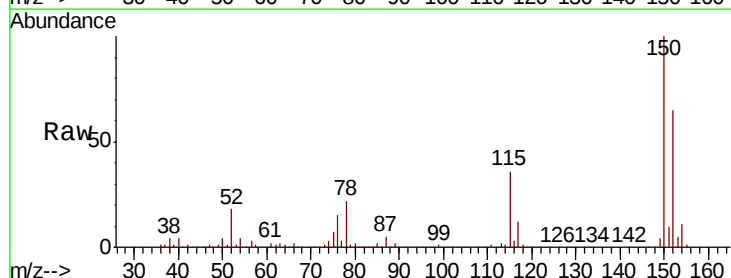


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

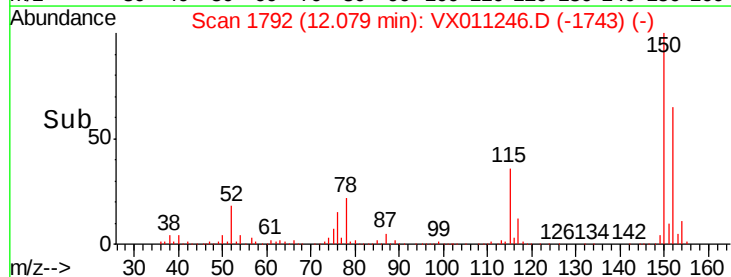
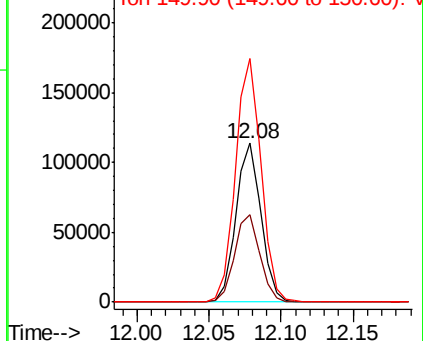


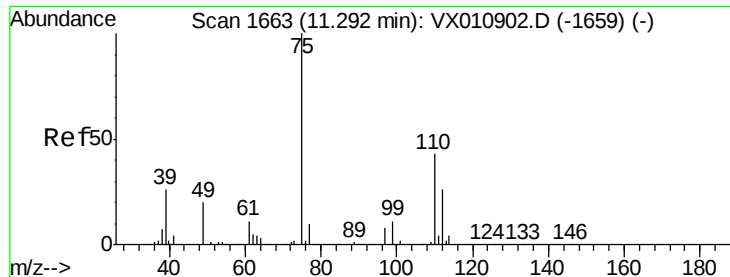
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011246.D
Acq: 31 Jul 2019 16:30

Tgt Ion:152 Resp: 138679
Ion Ratio Lower Upper
152 100
115 55.7 39.7 119.1
150 155.9 0.0 345.6



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





#76

1,2,3-Trichloropropane

Concen: 24.623 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011246.D

Acq: 31 Jul 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

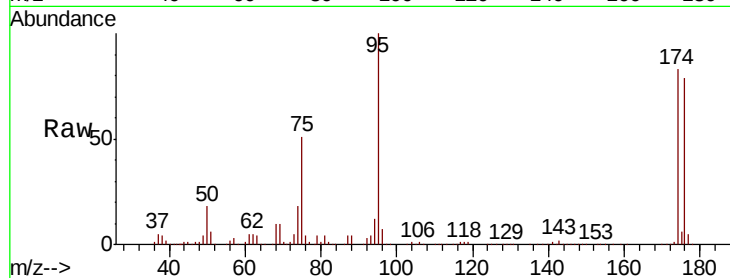
BP-VPB203-GW-298-300

Tgt Ion: 75 Resp: 61620

Ion Ratio Lower Upper

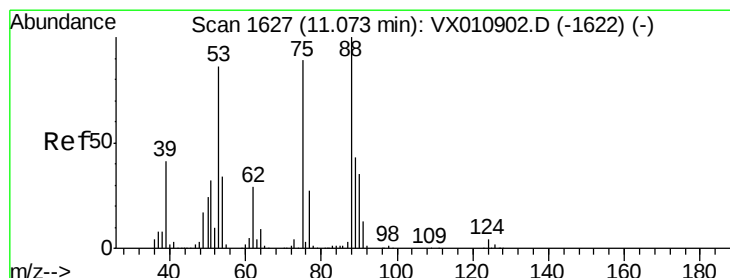
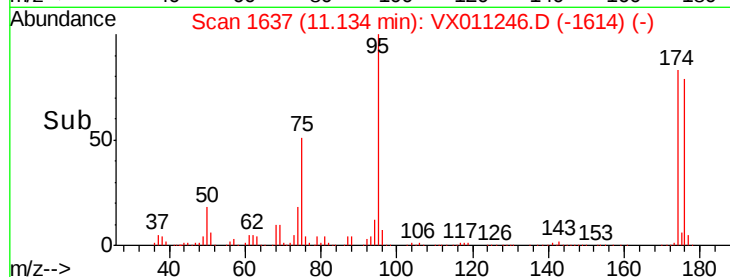
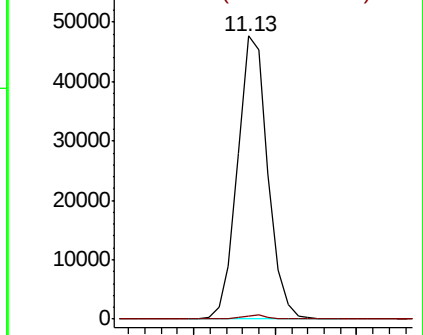
75 100

77 1.3 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 61.398 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011246.D

Acq: 31 Jul 2019 16:30

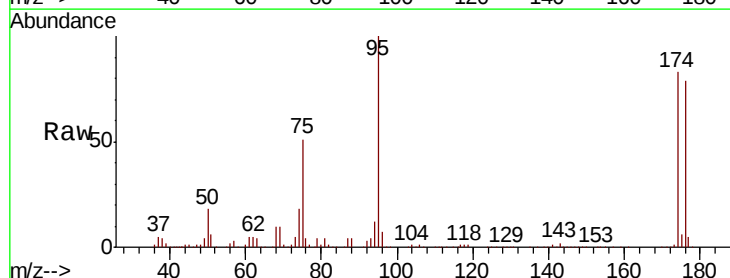
Tgt Ion: 75 Resp: 61620

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 38.5 57.7#



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

