

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007798.D
 Acq On : 01 Mar 2019 19:00
 Operator : JC/SP
 Sample : K1708-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Mar 01 22:21:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	327614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	511061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	478676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	186928	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
35) Dibromofluoromethane	5.51	113	169325	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	8.71	98	621750	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.13	95	222429	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

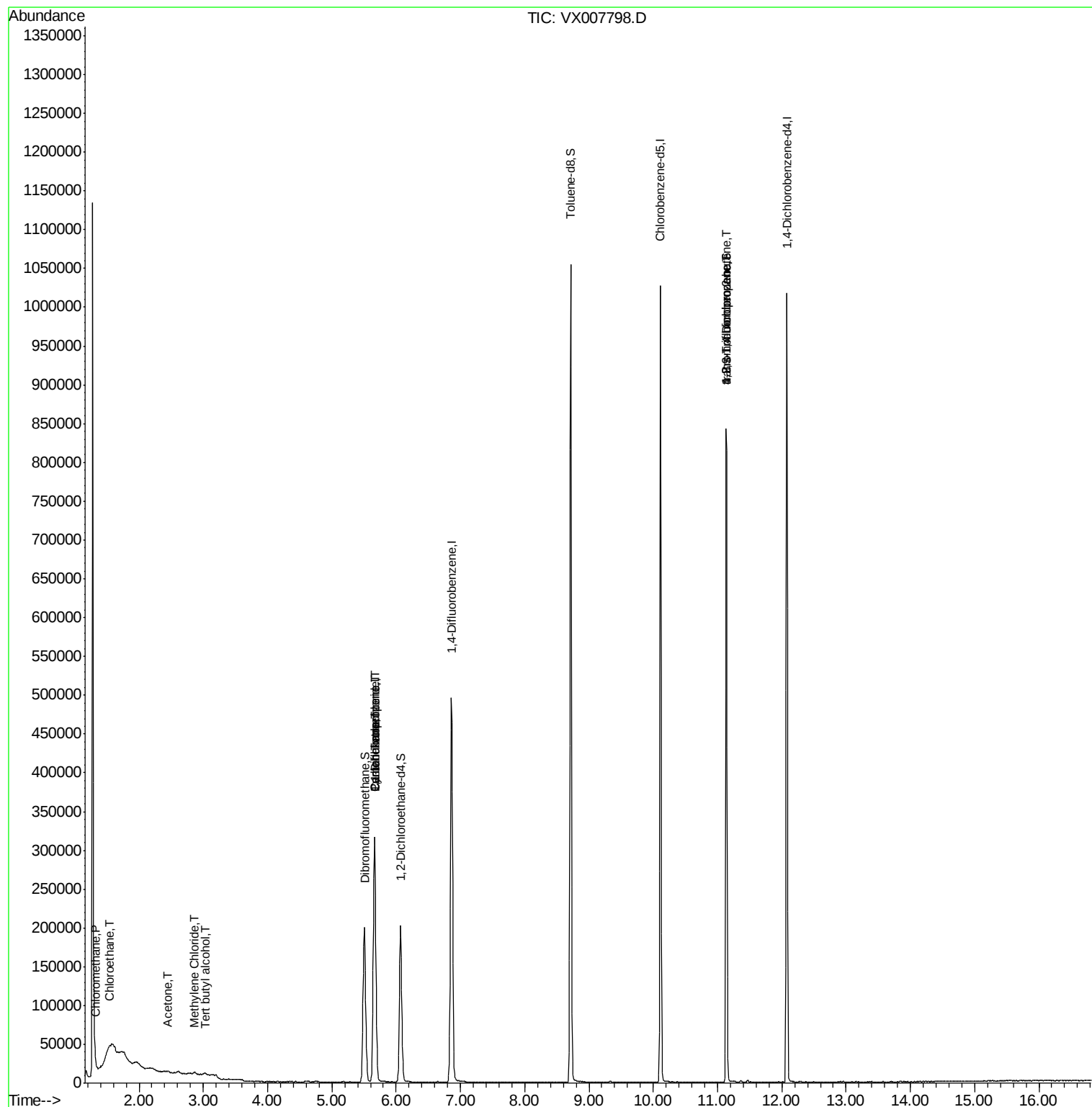
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	792	0.237	ug/l	98
5) Bromomethane	1.65	94	259	Below Cal		86
6) Chloroethane	1.54	64	71242	32.499	ug/l #	53
11) Tert butyl alcohol	3.03	59	1306	1.696	ug/l #	73
16) Acetone	2.44	43	999	0.554	ug/l	100
20) Methylene Chloride	2.86	84	869	0.261	ug/l	92
31) Cyclohexane	5.67	56	5388	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	21298	4.635	ug/l #	47
38) Carbon Tetrachloride	5.67	117	28809	6.242	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	105673	21.807	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	105673	57.929	ug/l #	9

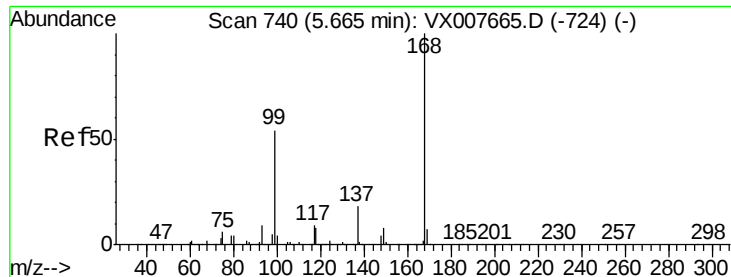
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 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: VX007798.D

Acq: 01 Mar 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

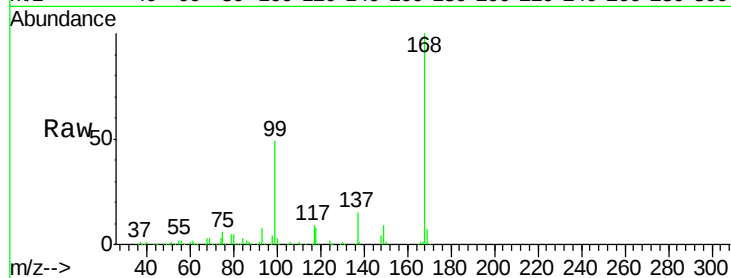
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 327614

Ion Ratio Lower Upper

168 100

99 48.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

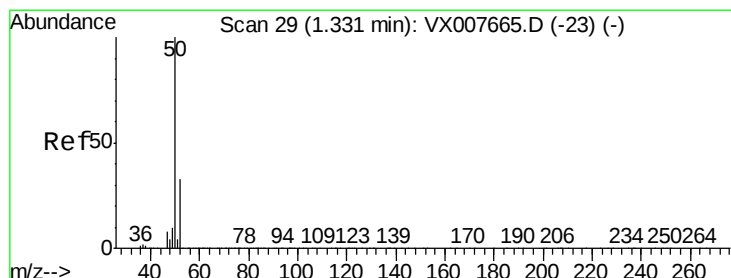
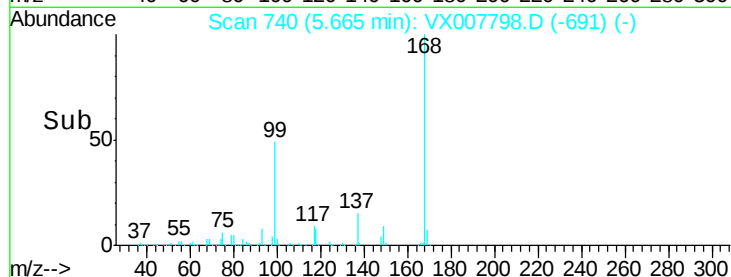
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007798.D

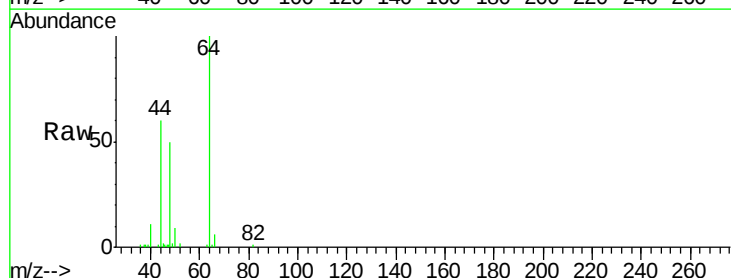
Acq: 01 Mar 2019 19:00

Tgt Ion: 50 Resp: 792

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

2500

2000

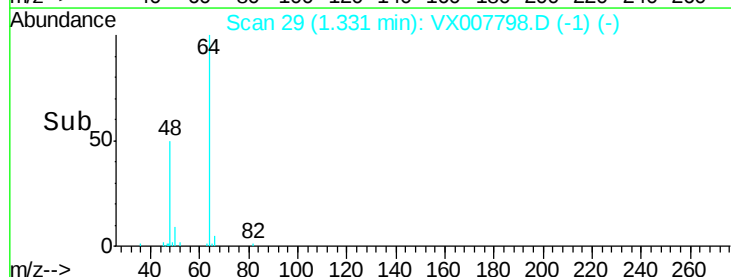
1500

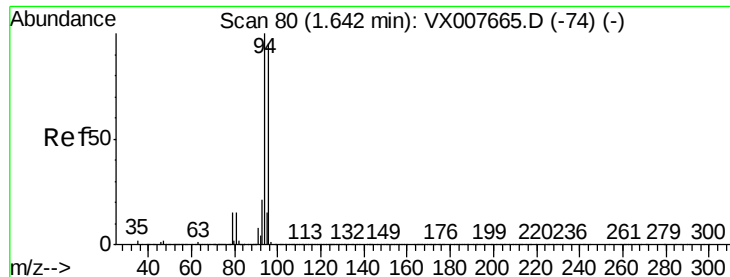
1000

500

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

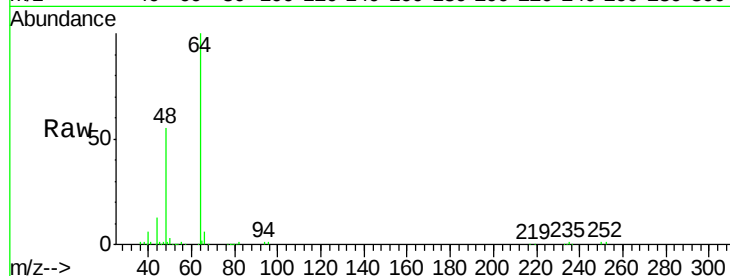
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 259

Ion Ratio Lower Upper

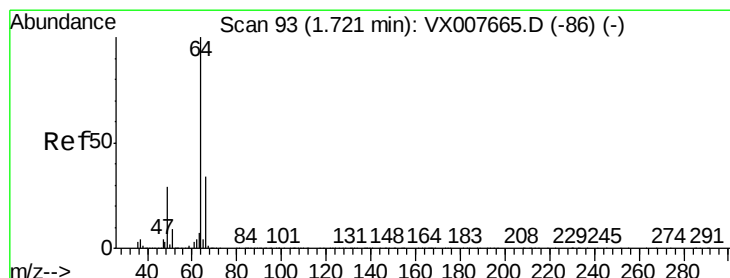
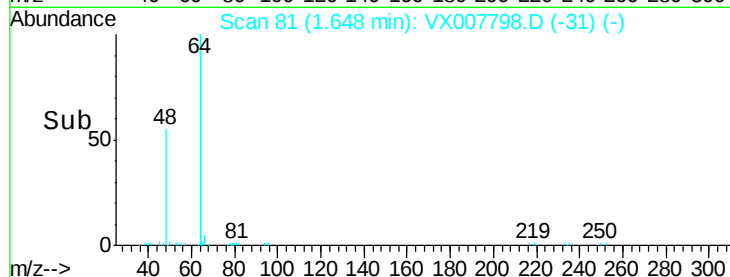
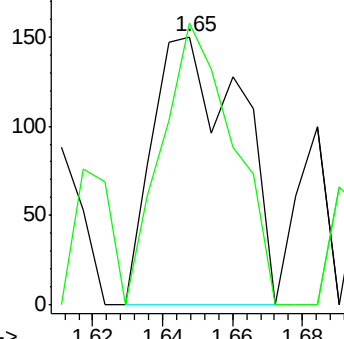
94 100

96 105.3 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 32.499 ug/l

RT: 1.54 min Scan# 64

Delta R.T. -0.18 min

Lab File: VX007798.D

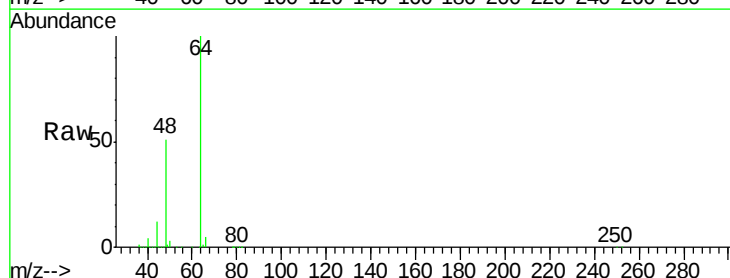
Acq: 01 Mar 2019 19:00

Tgt Ion: 64 Resp: 71242

Ion Ratio Lower Upper

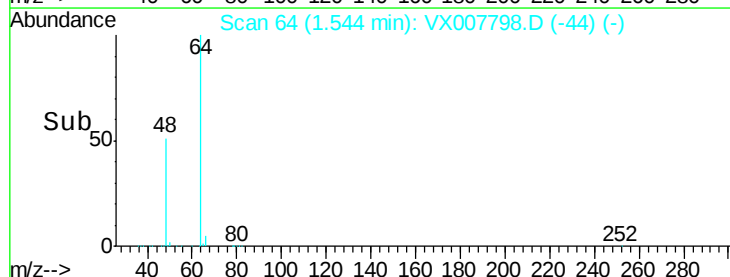
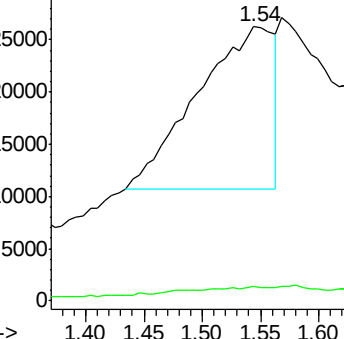
64 100

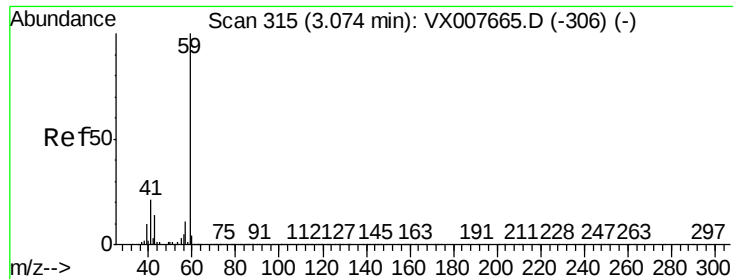
66 5.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

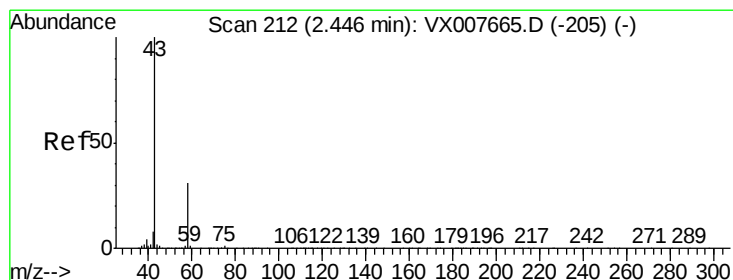
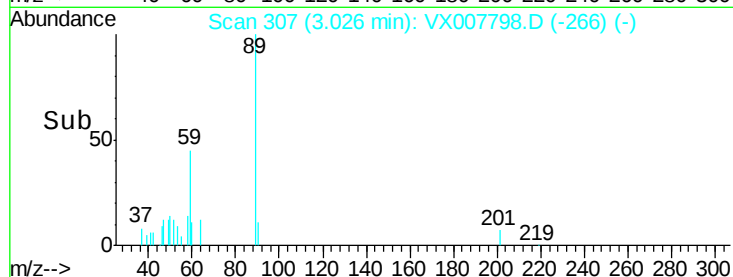
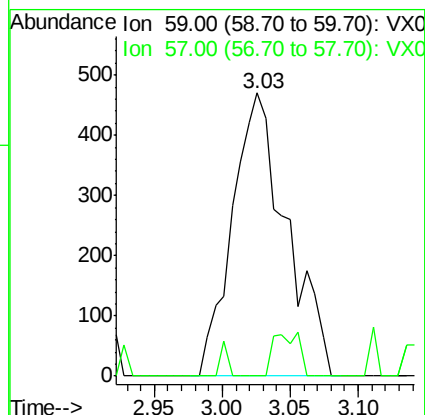
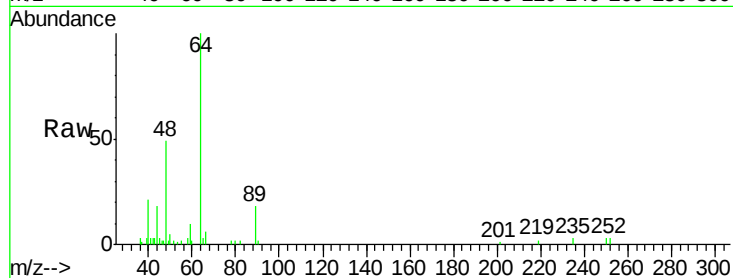




#11
Tert butyl alcohol
Concen: 1.696 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX007798.D
Acq: 01 Mar 2019 19:00

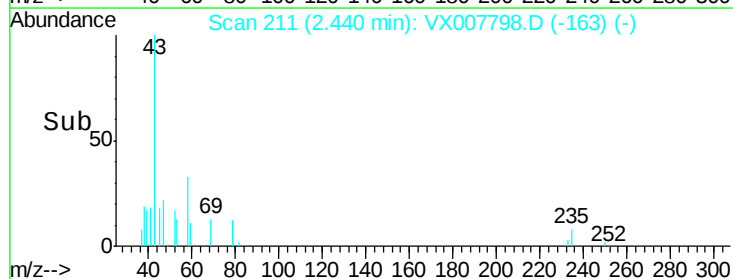
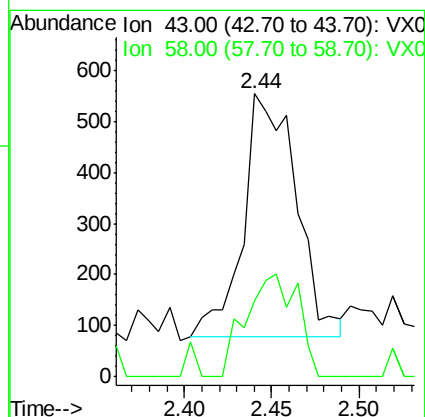
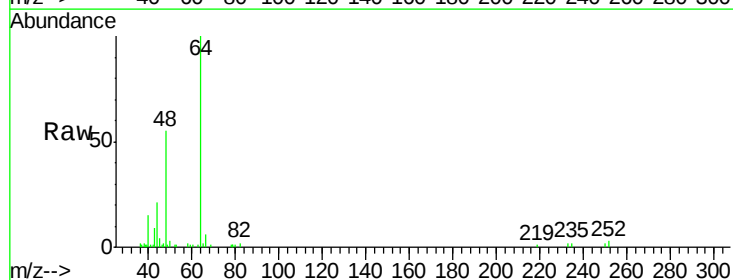
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

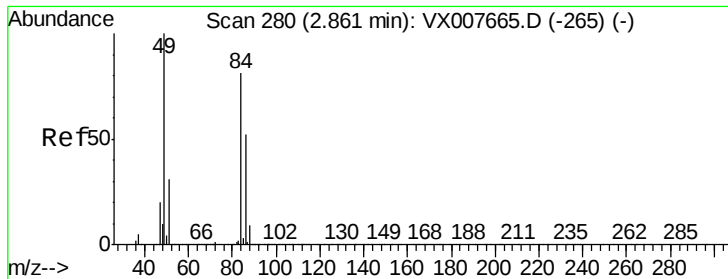
Tot Ion: 59 Resp: 1306
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 0.554 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX007798.D
Acq: 01 Mar 2019 19:00

Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 31.2 24.9 37.3

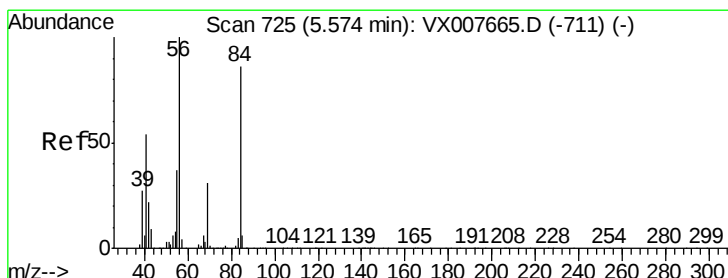
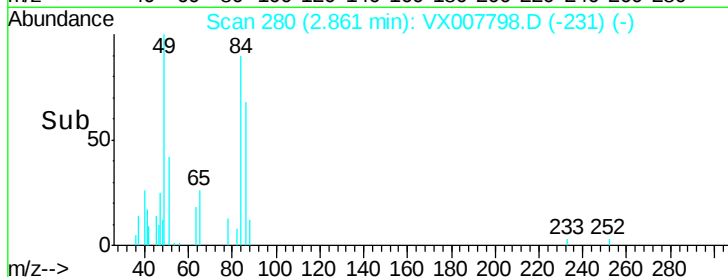
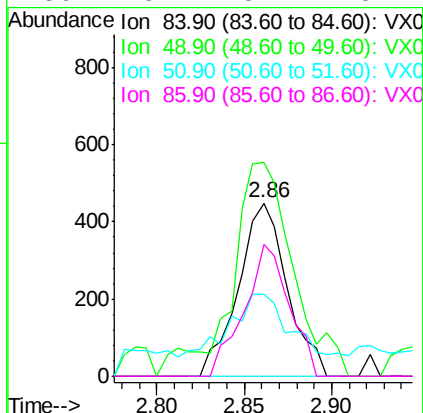
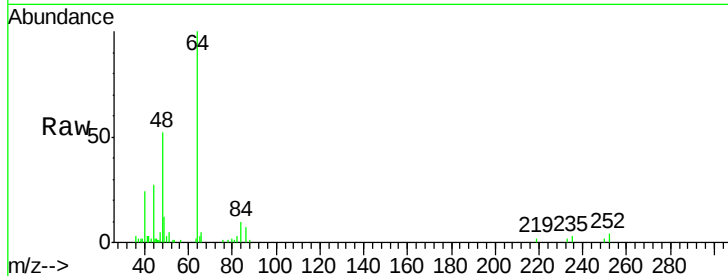




#20
Methvlene Chloride
Concen: 0.261 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007798.D
Acq: 01 Mar 2019 19:00

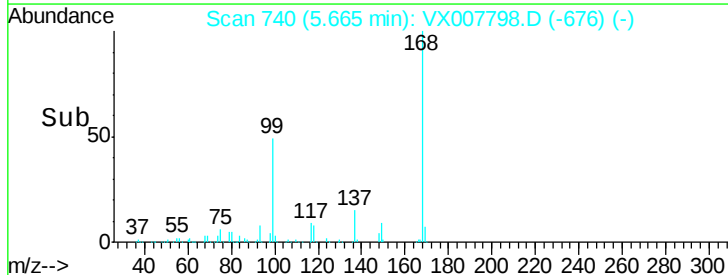
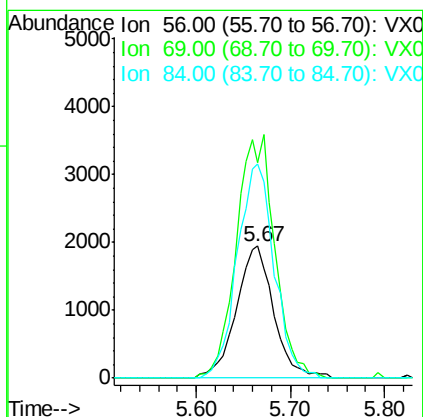
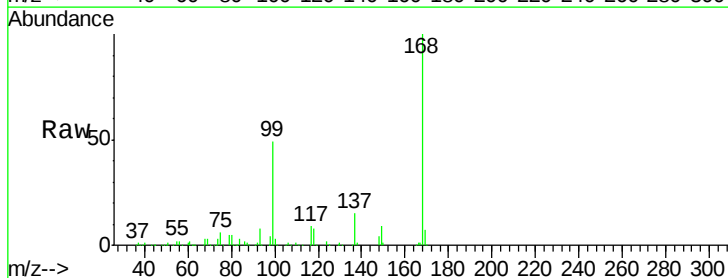
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

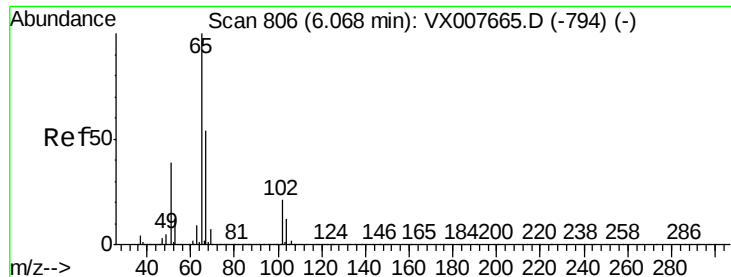
Tot Ion:	84	Resp:	869
Ion	Ratio	Lower	Upper
84	100		
49	109.1	94.8	142.2
51	34.1	29.8	44.8
86	75.7	54.1	81.1



#31
Cyclohexane
Concen: 0.955 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007798.D
Acq: 01 Mar 2019 19:00

Tgt Ion:	56	Resp:	5388
Ion	Ratio	Lower	Upper
56	100		
69	163.1	23.0	34.6#
84	162.4	69.8	104.6#





#33

1,2-Dichloroethane-d4

Concen: 46.063 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

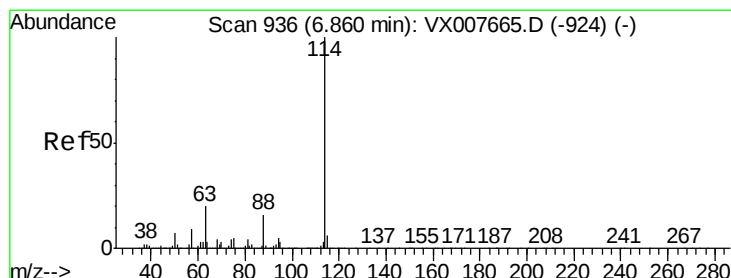
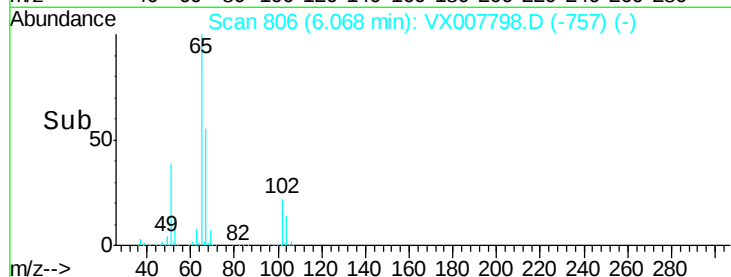
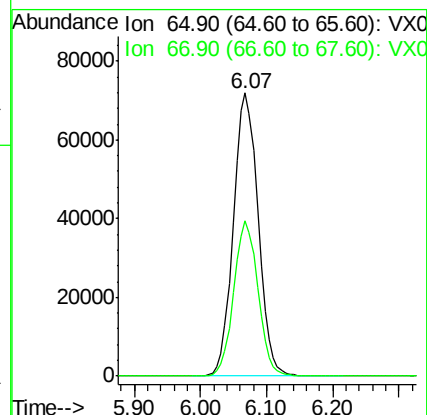
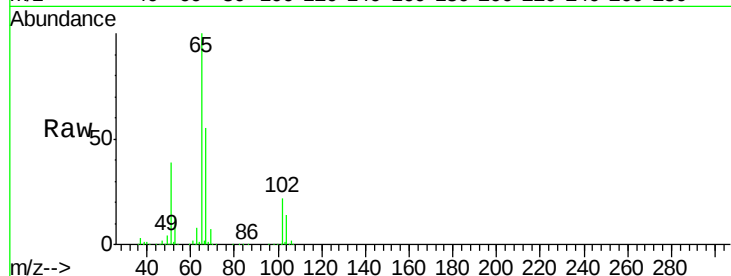
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 186928

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

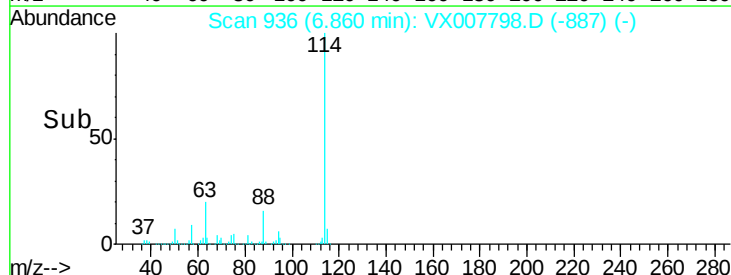
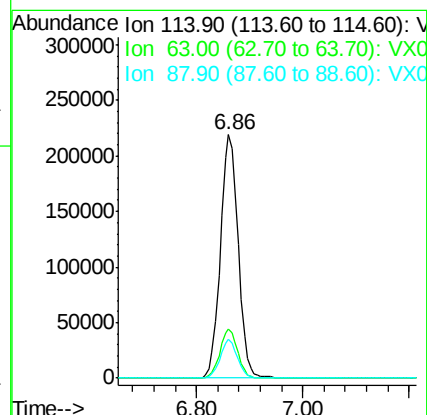
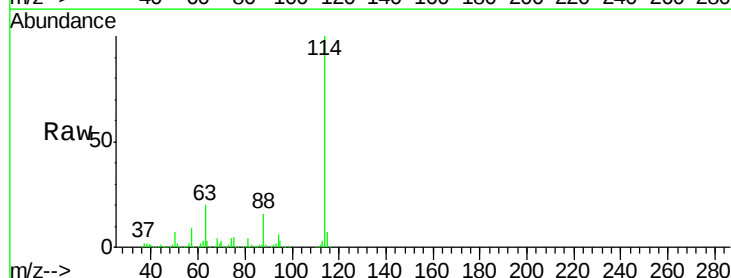
Tgt Ion: 114 Resp: 511061

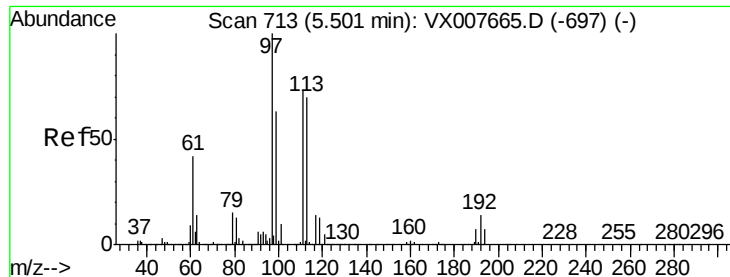
Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.6

88 15.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.564 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

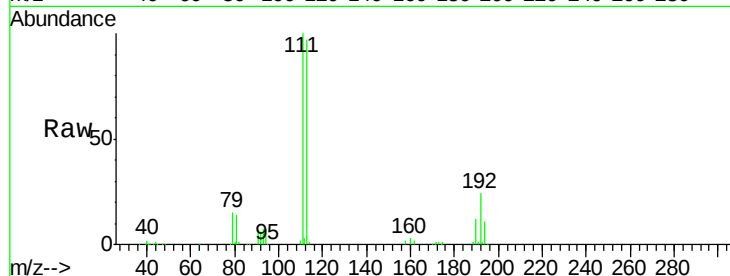
Tot Ion:113 Resp: 169325

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

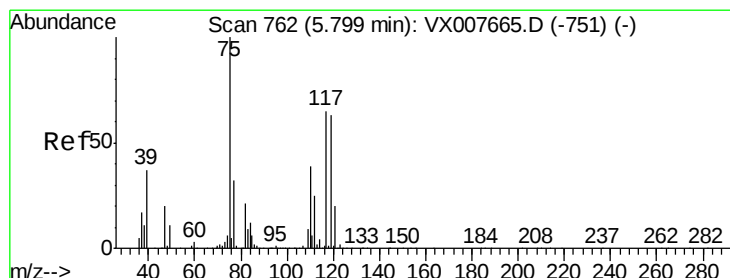
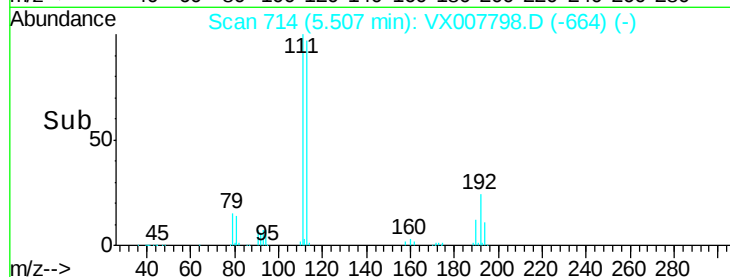
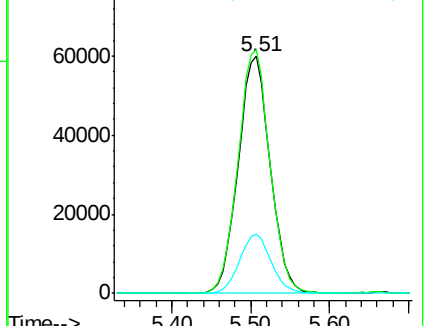
192 24.6 18.5 27.7



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: 4.635 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

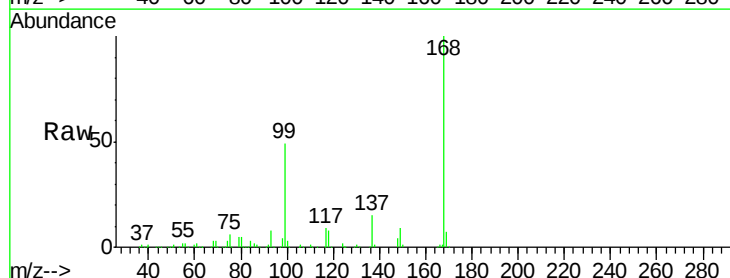
Tgt Ion: 75 Resp: 21298

Ion Ratio Lower Upper

75 100

110 9.3 20.0 59.9#

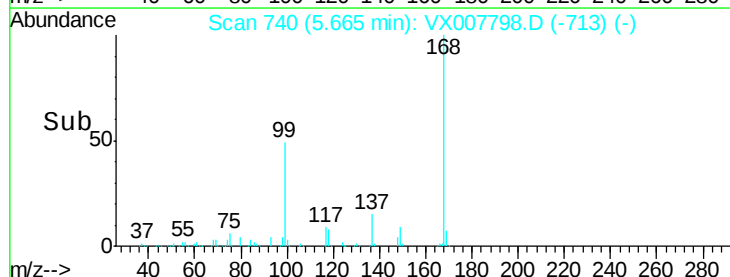
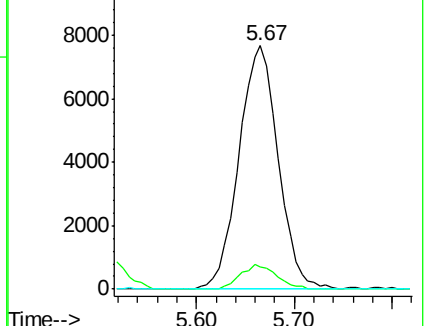
77 0.0 24.7 37.1#

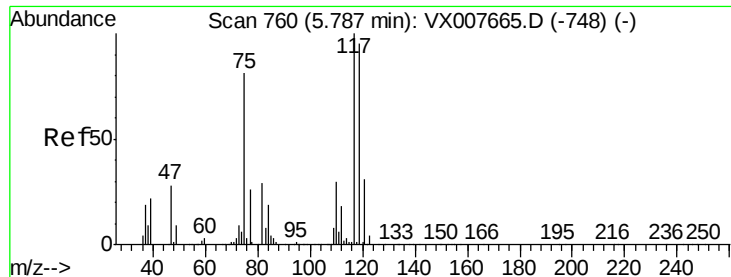


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.242 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

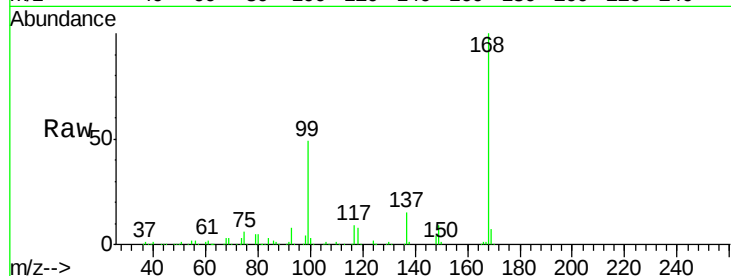
Tot Ion:117 Resp: 28809

Ion Ratio Lower Upper

117 100

119 5.4 75.3 112.9#

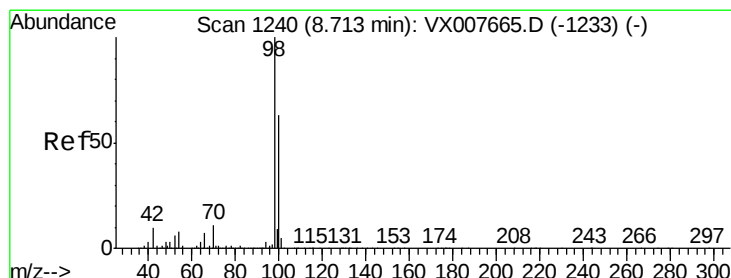
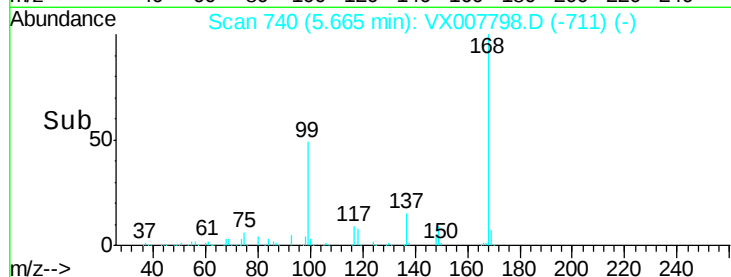
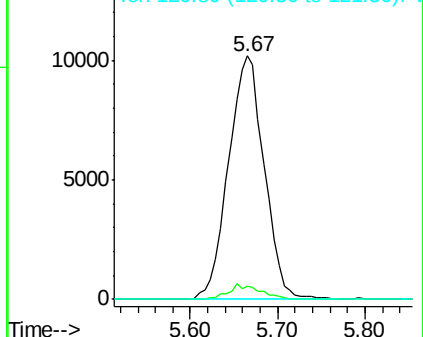
121 0.0 25.0 37.4#



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: 47.539 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007798.D

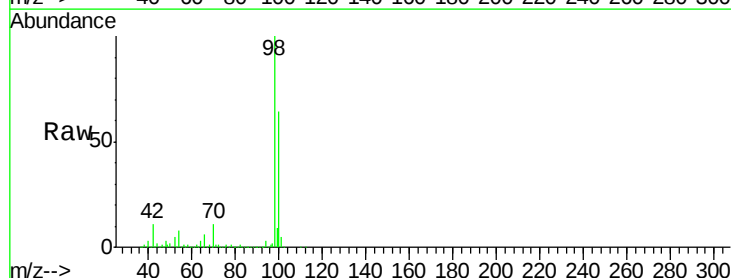
Acq: 01 Mar 2019 19:00

Tgt Ion: 98 Resp: 621750

Ion Ratio Lower Upper

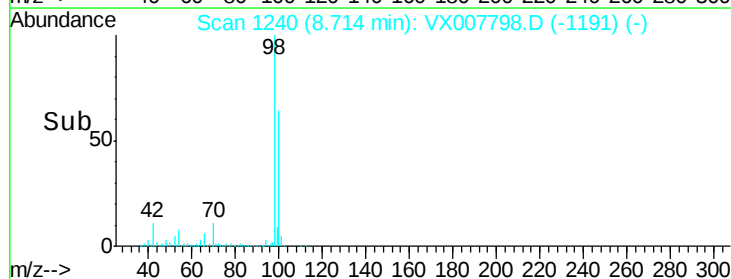
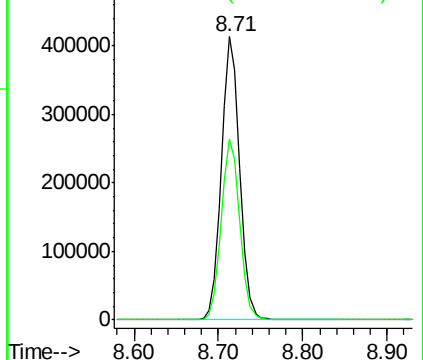
98 100

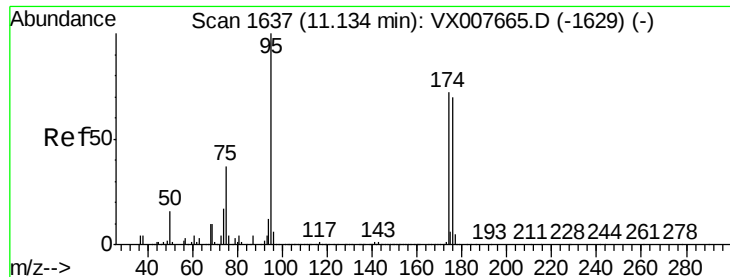
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.336 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

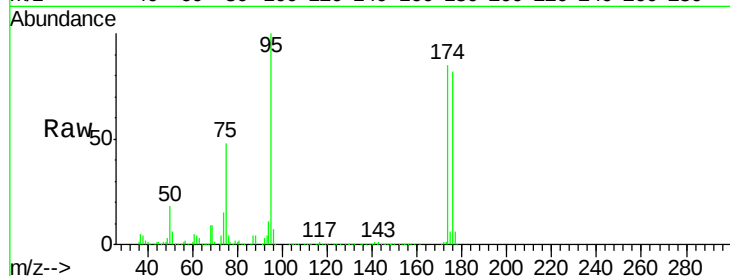
Tot Ion: 95 Resp: 222429

Ion Ratio Lower Upper

95 100

174 92.8 0.0 189.2

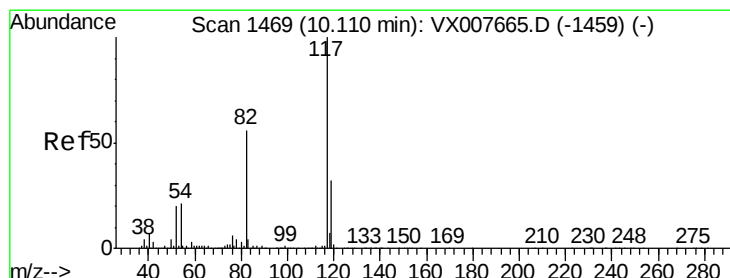
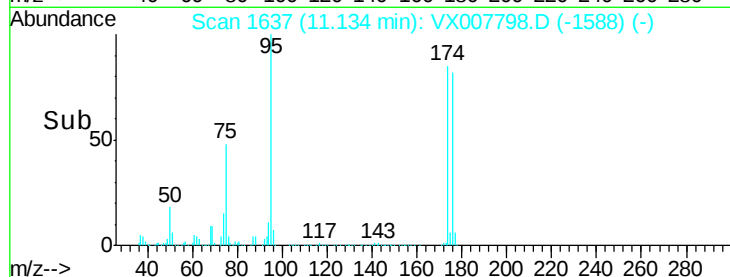
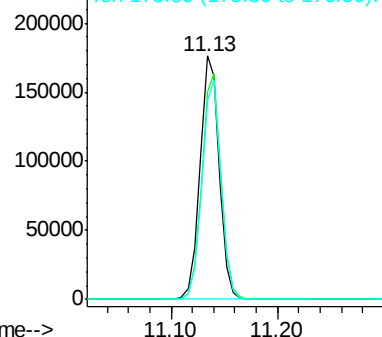
176 89.1 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007665.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX007665.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX007665.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

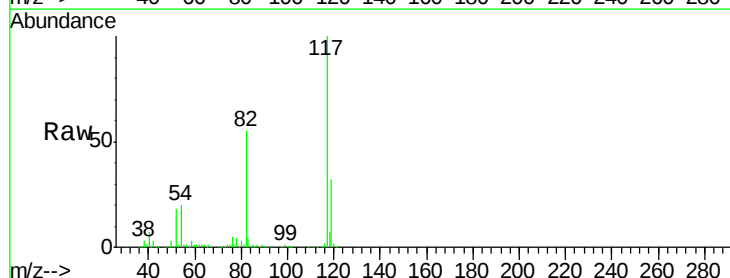
Tgt Ion: 117 Resp: 478676

Ion Ratio Lower Upper

117 100

82 55.5 42.1 63.1

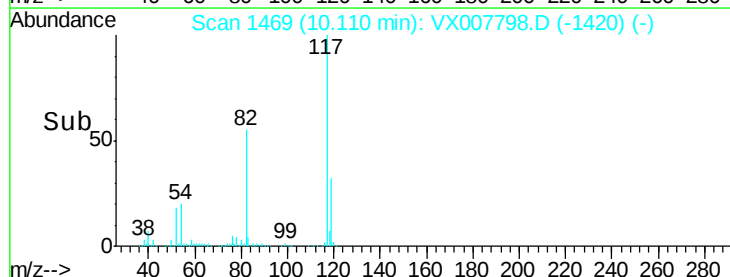
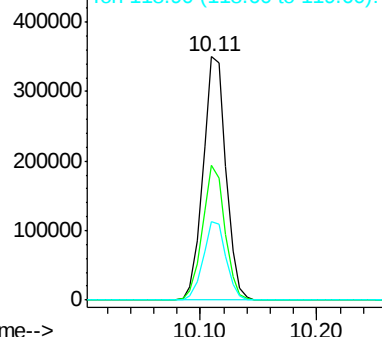
119 32.1 26.5 39.7

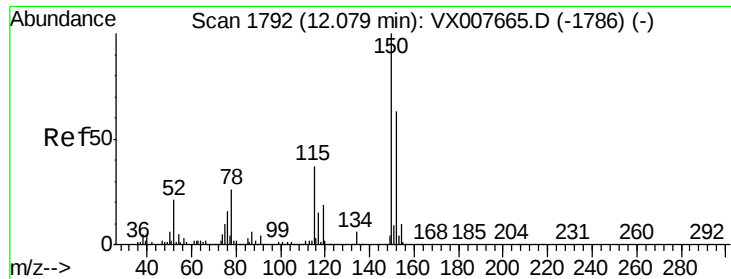


Abundance Ion 116.90 (116.60 to 117.60): VX007665.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007665.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007665.D (-1459) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

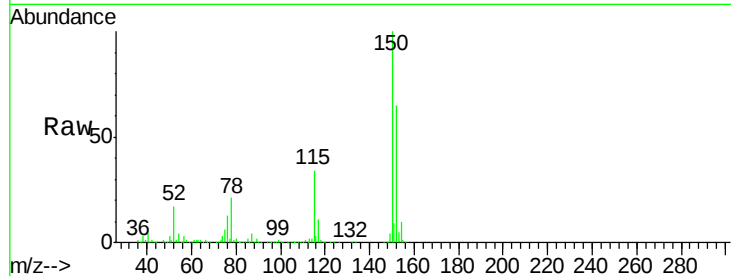
Tot Ion:152 Resp: 227338

Ion Ratio Lower Upper

152 100

115 54.5 38.0 114.0

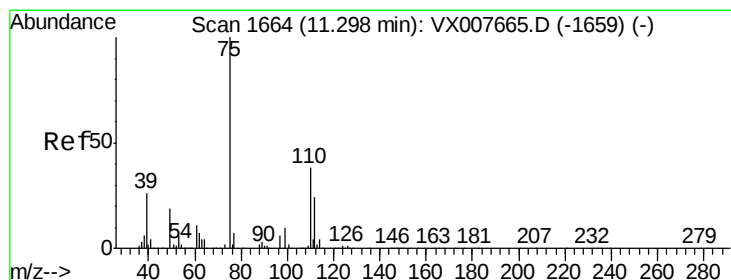
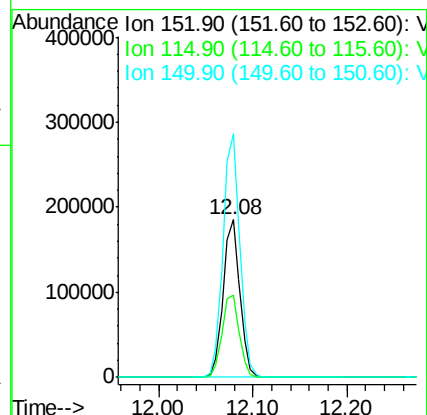
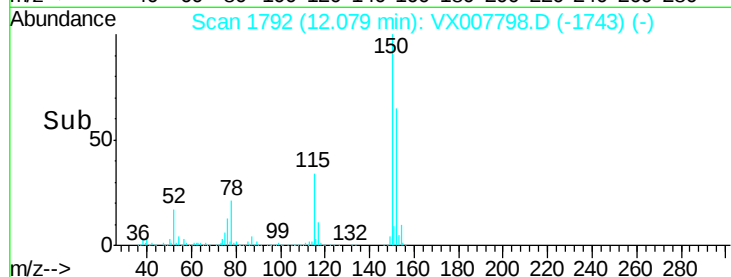
150 156.4 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 21.807 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007798.D

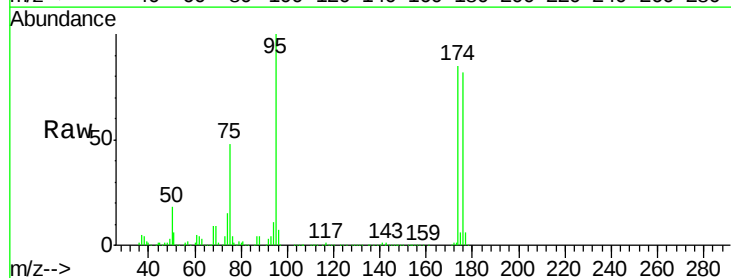
Acq: 01 Mar 2019 19:00

Tgt Ion: 75 Resp: 105673

Ion Ratio Lower Upper

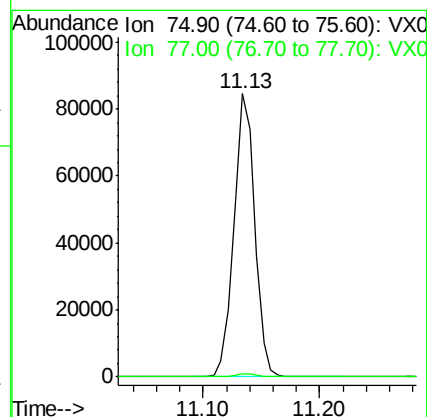
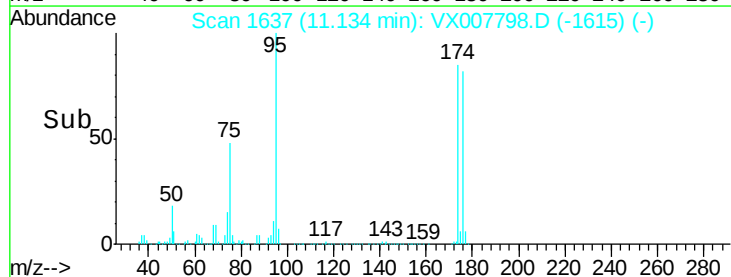
75 100

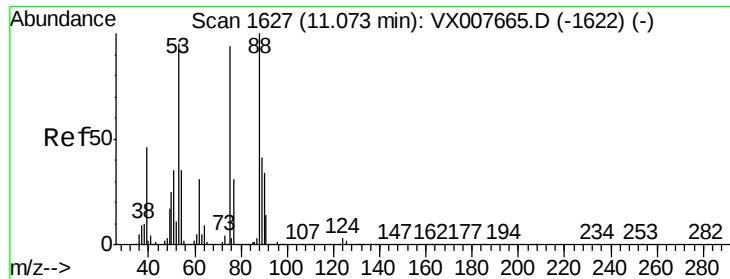
77 1.3 23.0 69.0#



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: 57.929 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007798.D

Acq: 01 Mar 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

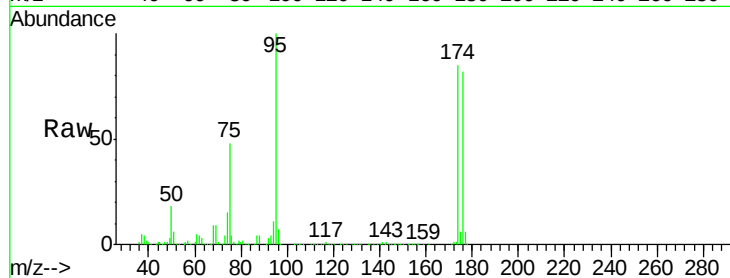
Tot Ion: 75 Resp: 105673

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#



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

