

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005457.D
 Acq On : 19 Oct 2018 14:46
 Operator : JC/MD
 Sample : J5597-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 20 04:20:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	277678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	396241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168969	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	159738	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	5.51	113	128208	48.85	ug/l	0.01
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.71	98	460235	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.14	95	152824	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	

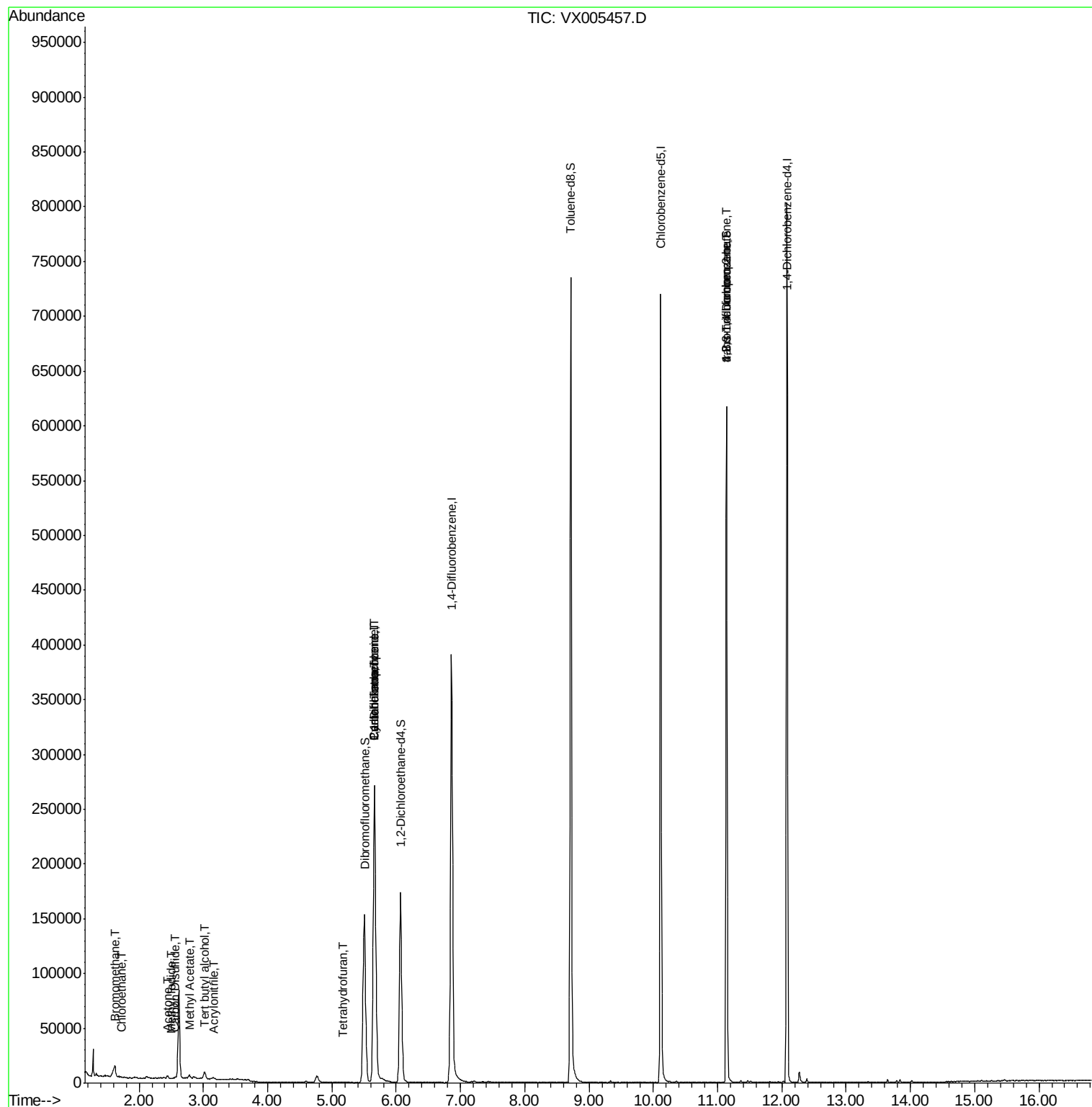
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	552	0.887	ug/l #	78
6) Chloroethane	1.73	64	127	0.396	ug/l #	44
10) Methyl Iodide	2.51	142	543	2.680	ug/l #	88
11) Tert butyl alcohol	3.02	59	4092	4.707	ug/l #	77
13) Acrolein	2.29	56	216	Below Cal	#	16
15) Acrylonitrile	3.15	53	621	0.315	ug/l #	61
16) Acetone	2.45	43	2485	1.395	ug/l	99
17) Carbon Disulfide	2.57	76	1626	0.221	ug/l #	86
18) Methyl Acetate	2.78	43	4190	0.827	ug/l	98
20) Methylene Chloride	2.86	84	665	Below Cal	#	85
29) Tetrahydrofuran	5.17	42	514	0.309	ug/l #	56
31) Cyclohexane	5.67	56	4600	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17254	4.496	ug/l #	50
38) Carbon Tetrachloride	5.66	117	23972	6.217	ug/l #	15
44) Trichloroethene	7.21	130	160	Below Cal		97
76) 1,2,3-Trichloropropane	11.14	75	73914	22.552	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	73914	68.523	ug/l #	10

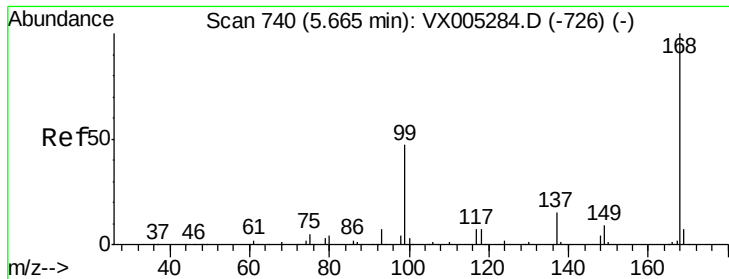
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

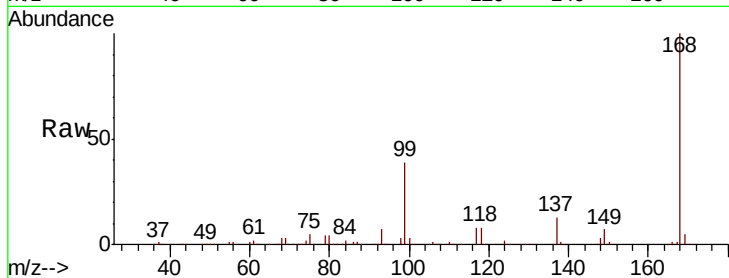
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 277678

Ion Ratio Lower Upper

168 100

99 39.1 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

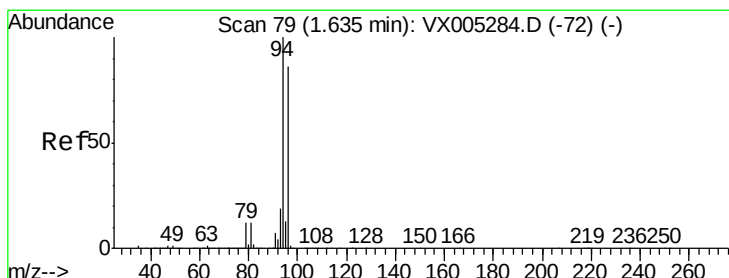
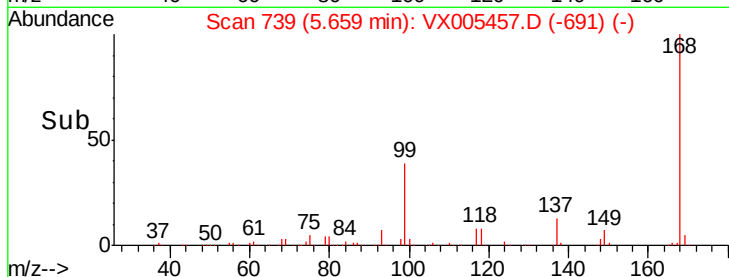
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.887 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005457.D

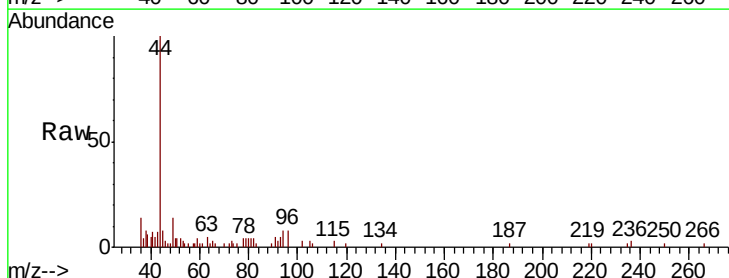
Acq: 19 Oct 2018 14:46

Tgt Ion: 94 Resp: 552

Ion Ratio Lower Upper

94 100

96 72.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

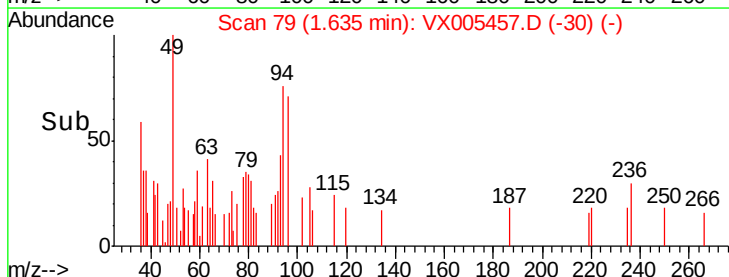
150

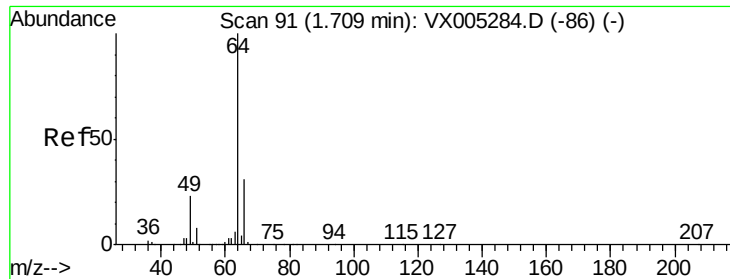
100

50

0

Time-->





#6

Chloroethane

Concen: 0.396 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

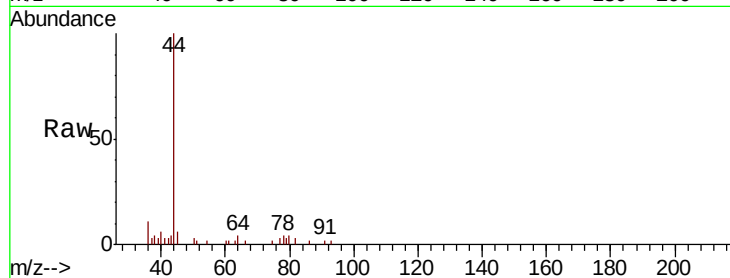
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 64 Resp: 127

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

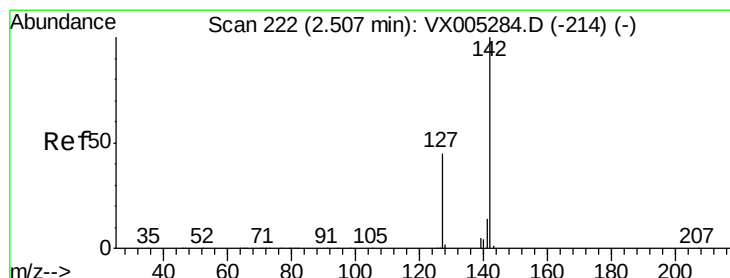
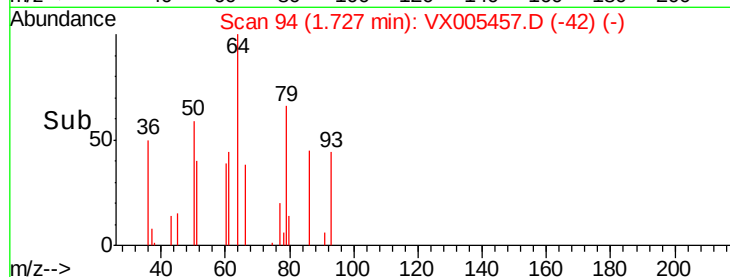
Ion 65.90 (65.60 to 66.60): VX0

1.73

1.74

1.76

Time-->



#10

Methyl Iodide

Concen: 2.680 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

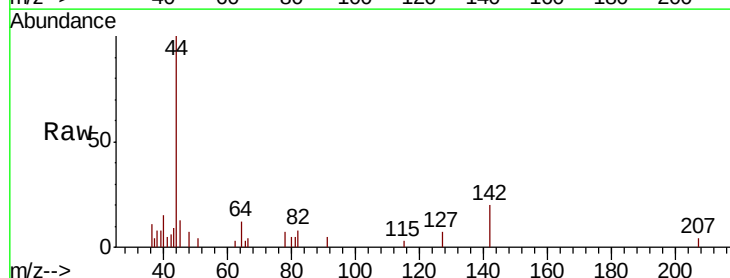
Tgt Ion: 142 Resp: 543

Ion Ratio Lower Upper

142 100

127 39.8 33.8 50.6

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

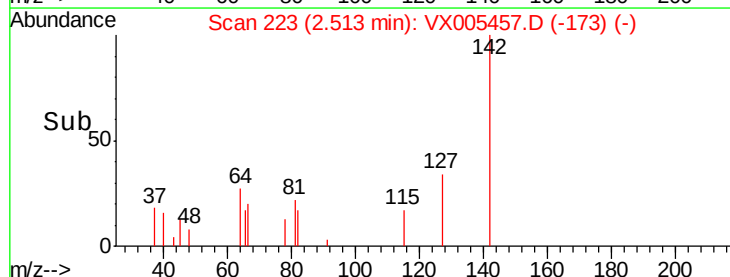
Ion 126.80 (126.50 to 127.50): V

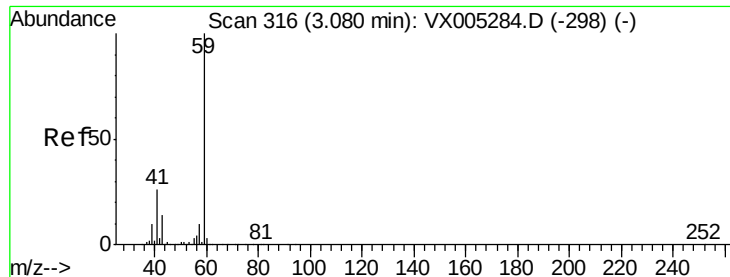
Ion 140.80 (140.50 to 141.50): V

2.51

2.55

Time-->



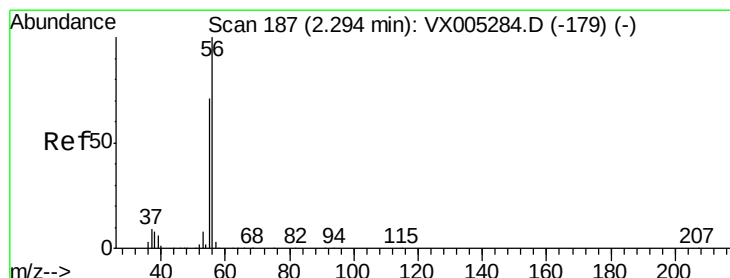
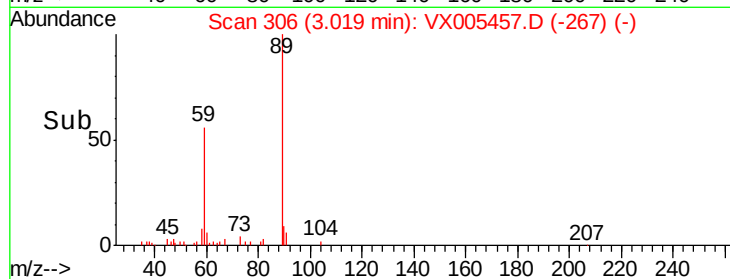
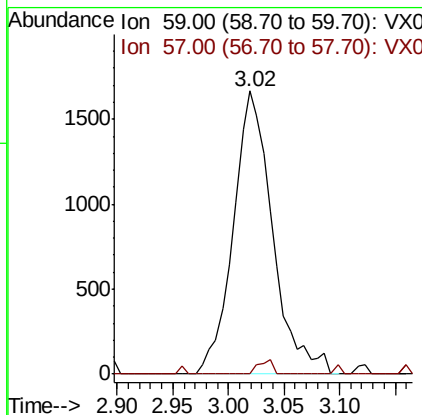
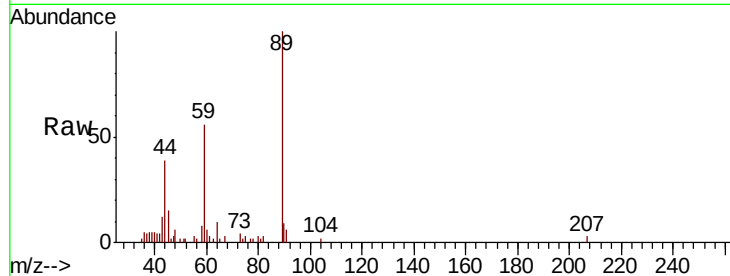


#11

Tert butyl alcohol
 Concen: 4.707 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005457.D
 Acq: 19 Oct 2018 14:46

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

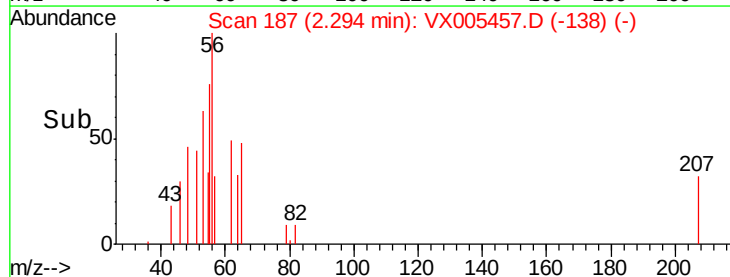
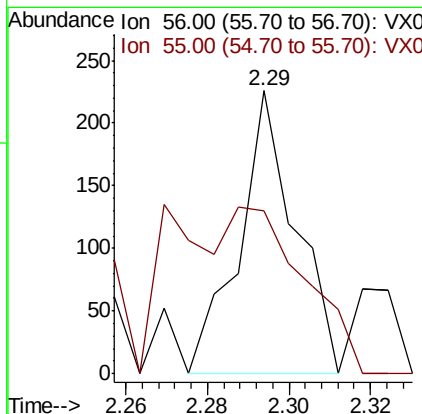
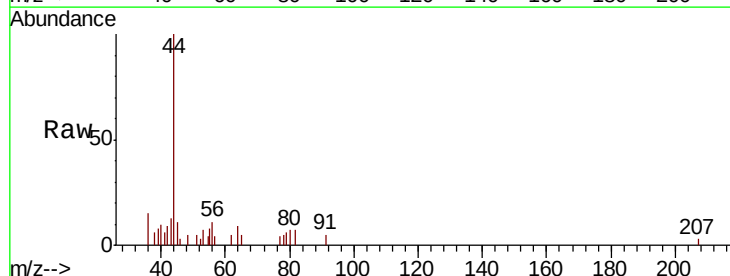
Tot Ion: 59 Resp: 4092
 Ion Ratio Lower Upper
 59 100
 57 1.9 8.2 12.4#

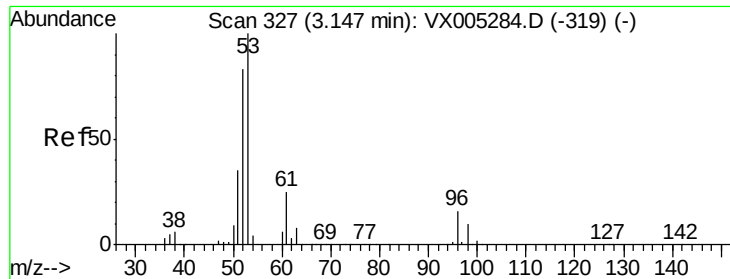


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX005457.D
 Acq: 19 Oct 2018 14:46

Tgt Ion: 56 Resp: 216
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#





#15

Acrylonitrile

Concen: 0.315 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

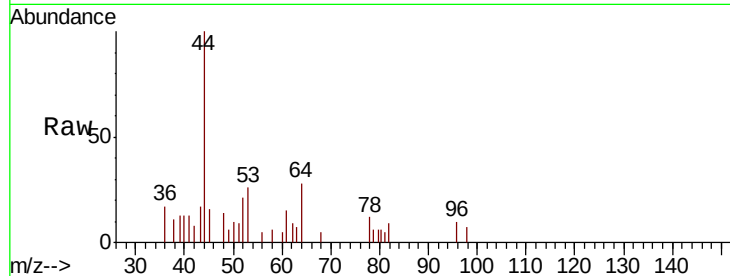
Tot Ion: 53 Resp: 621

Ion Ratio Lower Upper

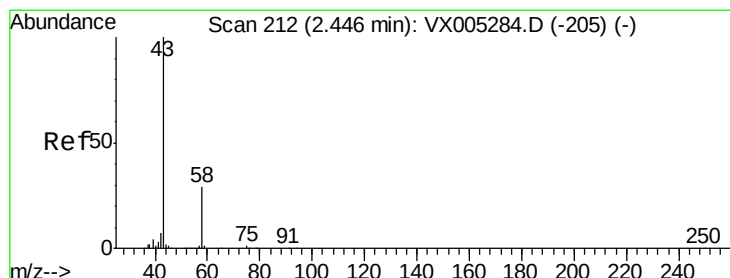
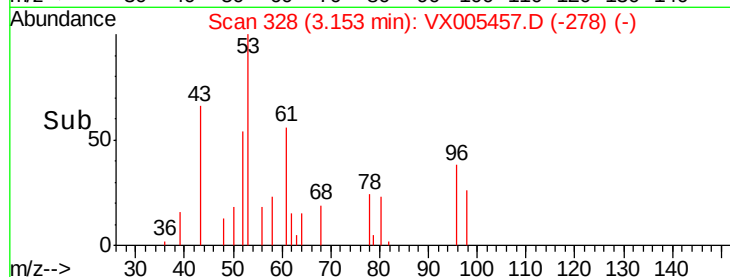
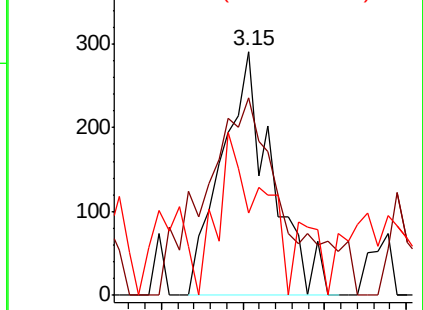
53 100

52 130.8 65.2 97.8#

51 36.1 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.395 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005457.D

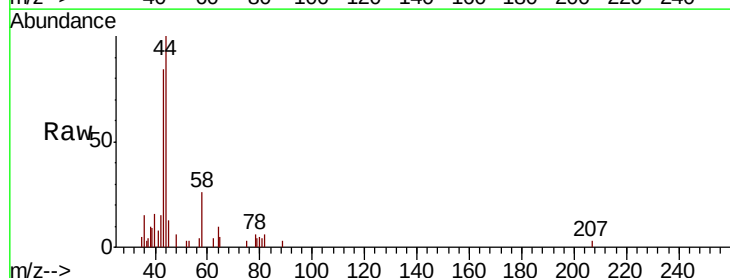
Acq: 19 Oct 2018 14:46

Tgt Ion: 43 Resp: 2485

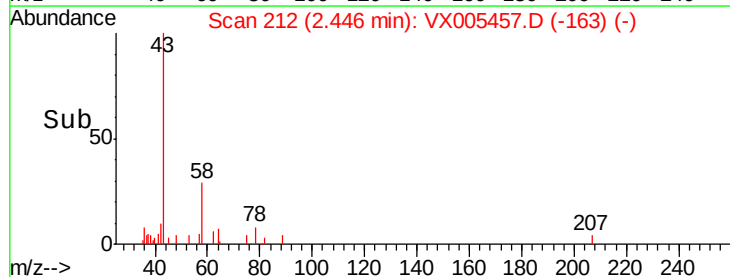
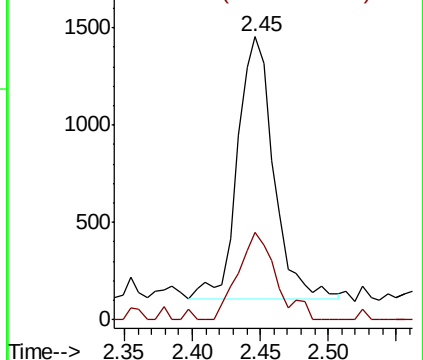
Ion Ratio Lower Upper

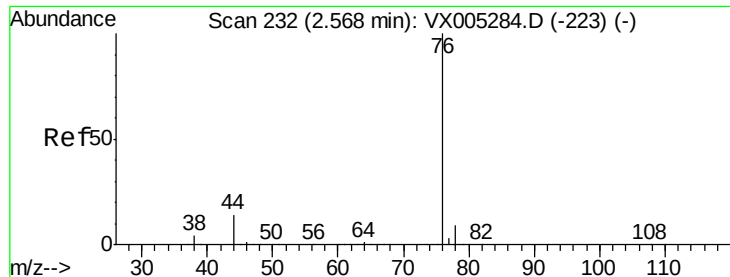
43 100

58 33.6 26.2 39.4



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





#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

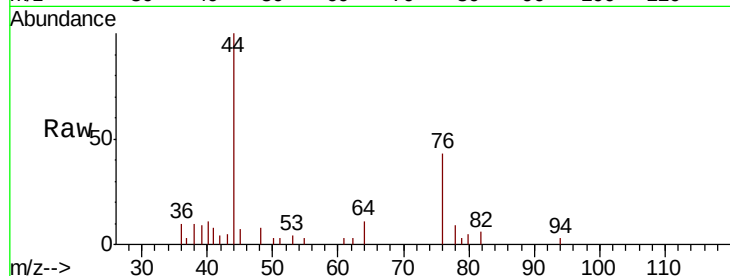
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 76 Resp: 1626

Ion Ratio Lower Upper

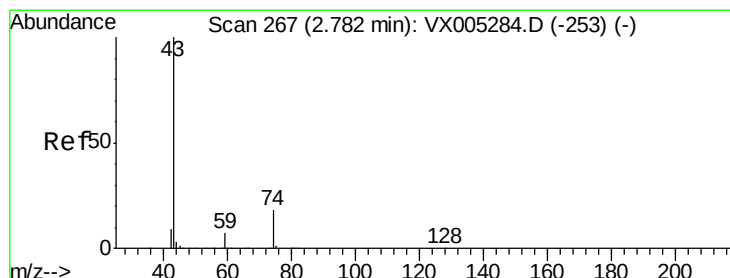
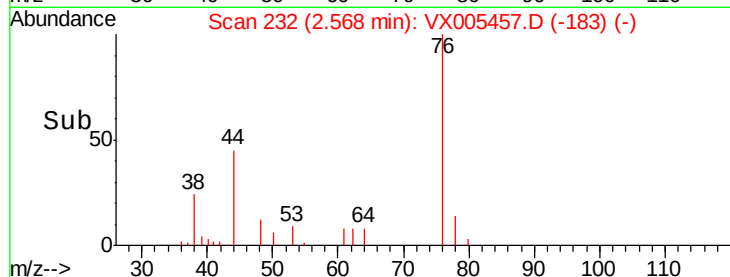
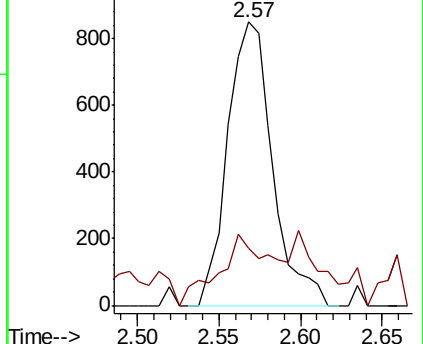
76 100

78 13.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.827 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005457.D

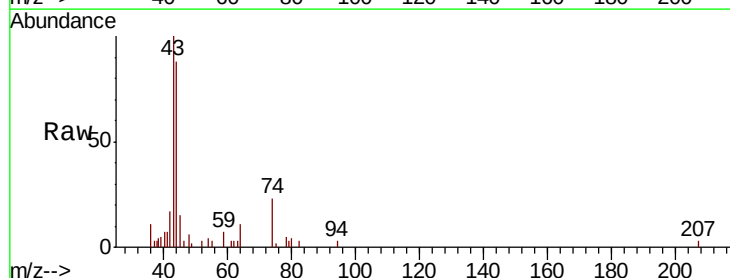
Acq: 19 Oct 2018 14:46

Tgt Ion: 43 Resp: 4190

Ion Ratio Lower Upper

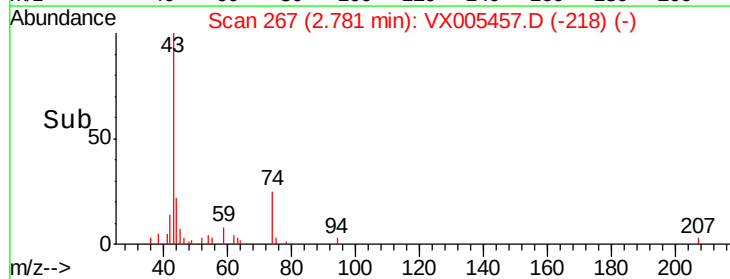
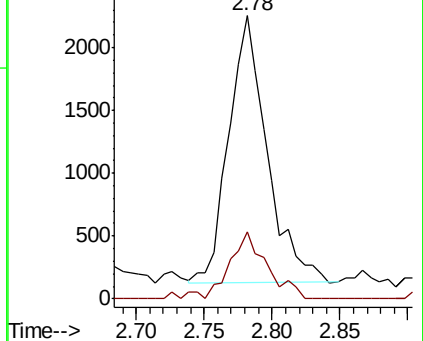
43 100

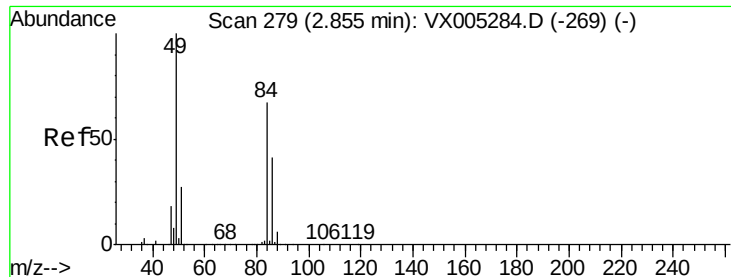
74 25.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

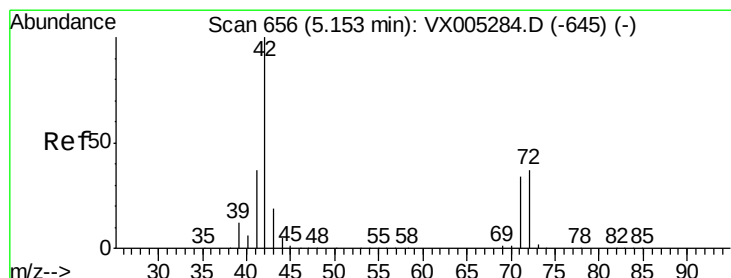
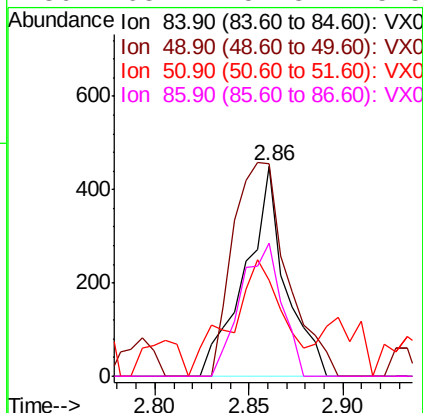
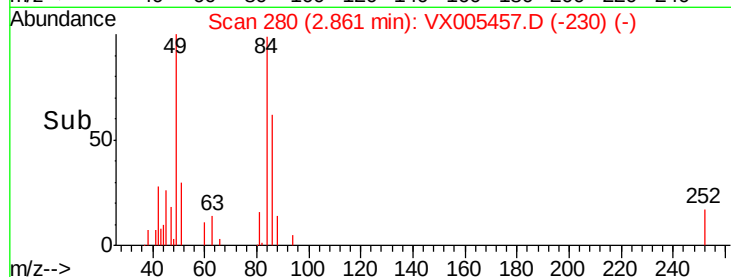
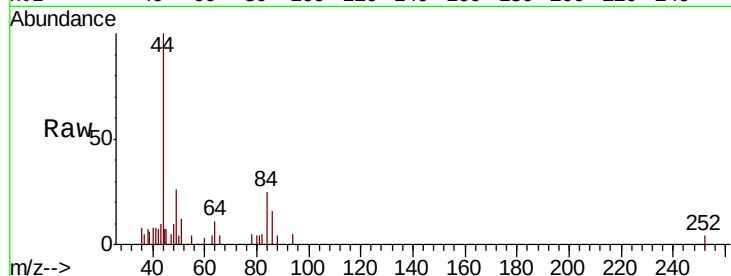




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005457.D
Acq: 19 Oct 2018 14:46

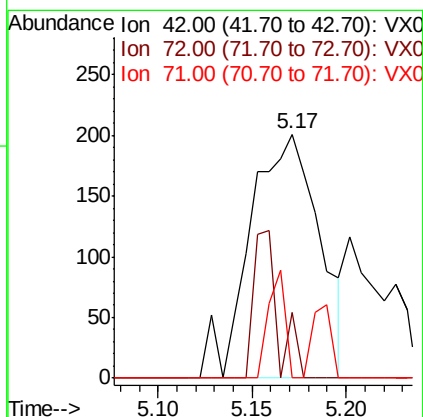
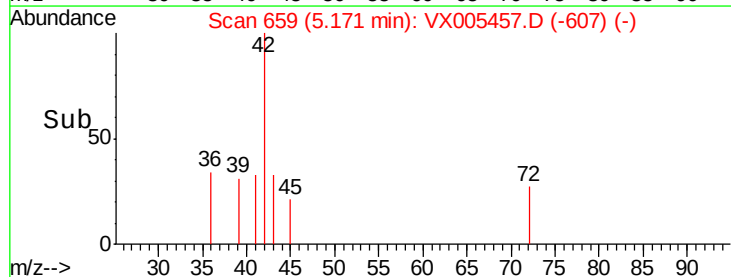
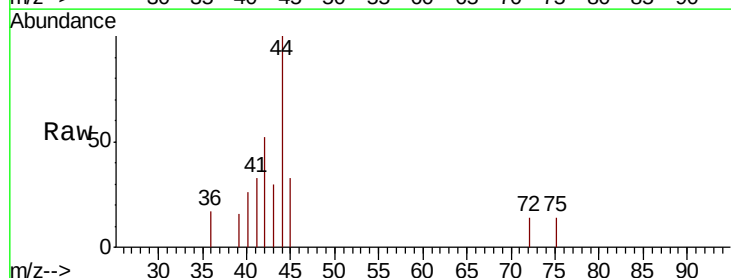
Instrument :
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STORAGE-BLANK-SOIL-REF-6

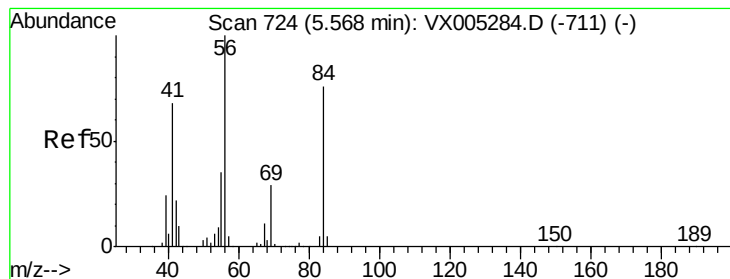
Tot Ion: 84 Resp: 665
Ion Ratio Lower Upper
84 100
49 101.3 101.2 151.8
51 45.5 29.5 44.3#
86 63.2 52.3 78.5



#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX005457.D
Acq: 19 Oct 2018 14:46

Tgt Ion: 42 Resp: 514
Ion Ratio Lower Upper
42 100
72 21.0 37.4 56.0#
71 10.7 34.5 51.7#





#31

Cyclohexane

Concen: 1.086 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

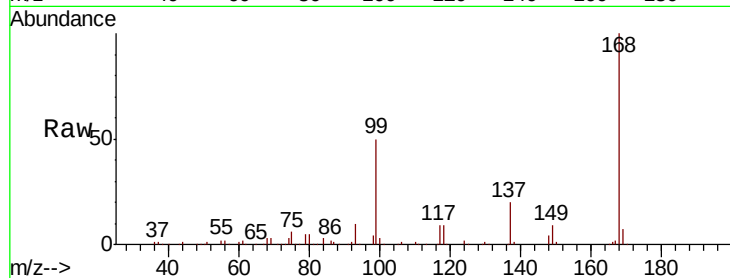
Tot Ion: 56 Resp: 4600

Ion Ratio Lower Upper

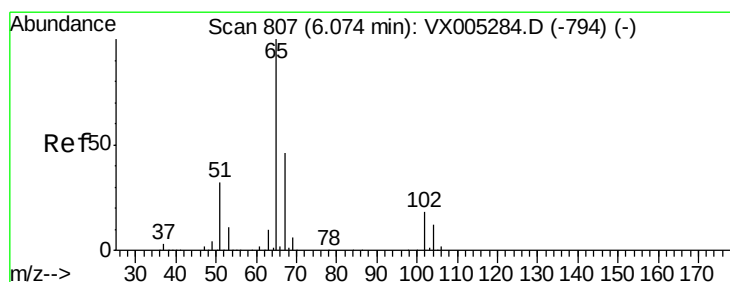
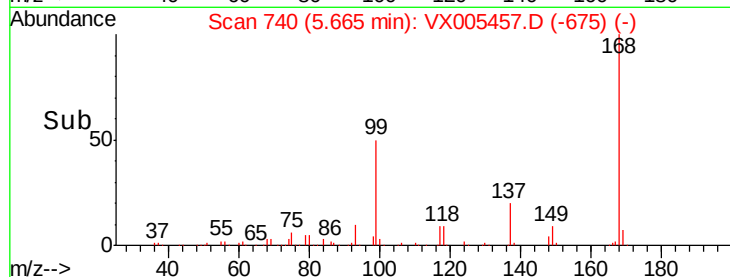
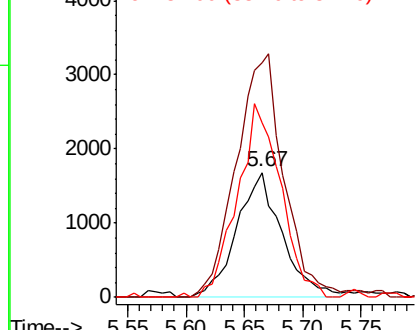
56 100

69 187.9 25.4 38.2#

84 140.0 71.4 107.2#



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: 51.833 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005457.D

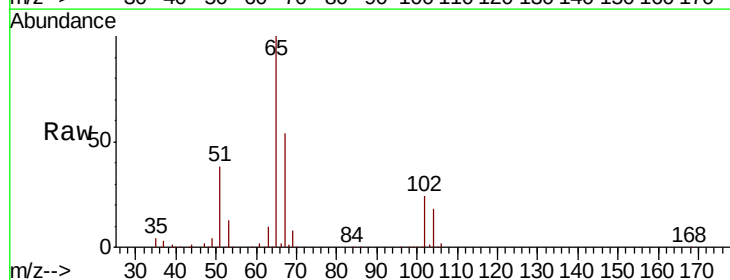
Acq: 19 Oct 2018 14:46

Tgt Ion: 65 Resp: 159738

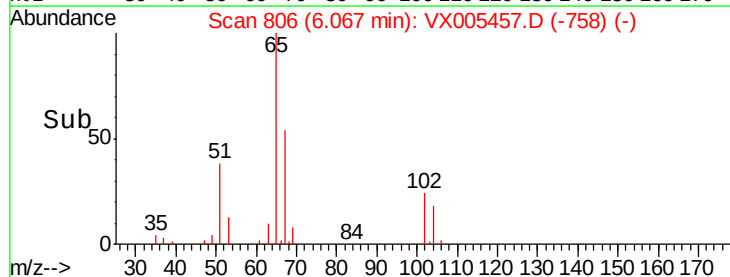
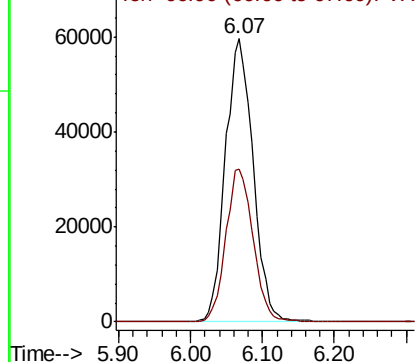
Ion Ratio Lower Upper

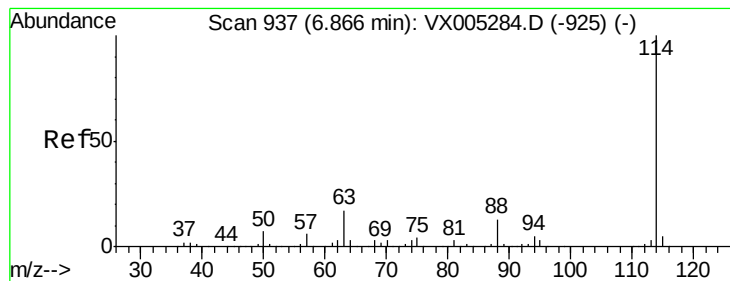
65 100

67 53.1 0.0 106.8



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. -0.01 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

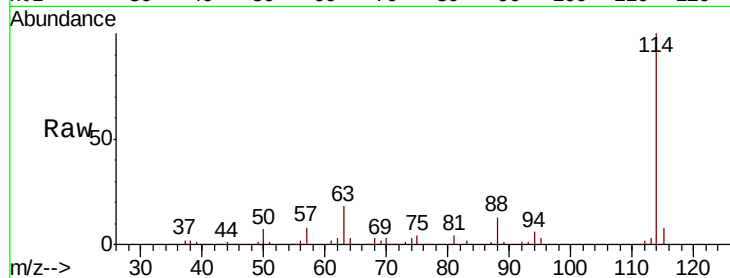
Tot Ion:114 Resp: 396241

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.0

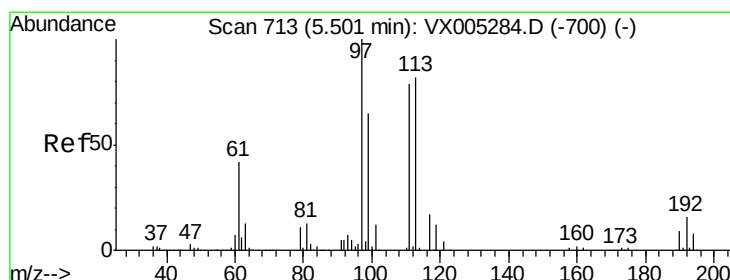
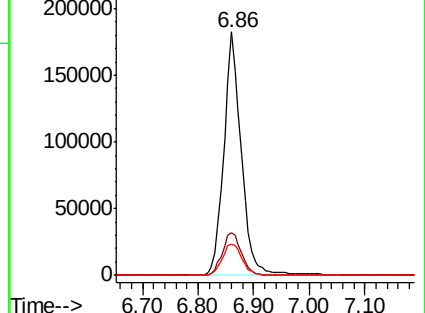
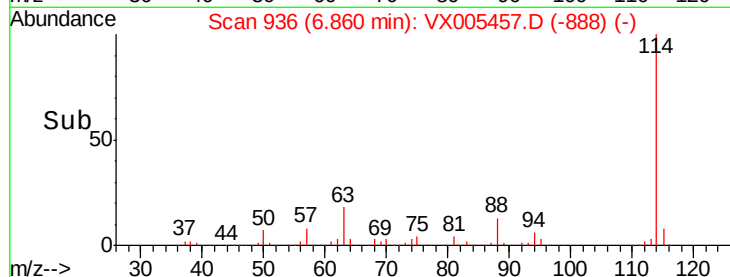
88 13.0 0.0 30.4



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: 48.852 ug/l

RT: 5.51 min Scan# 715

Delta R.T. 0.01 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

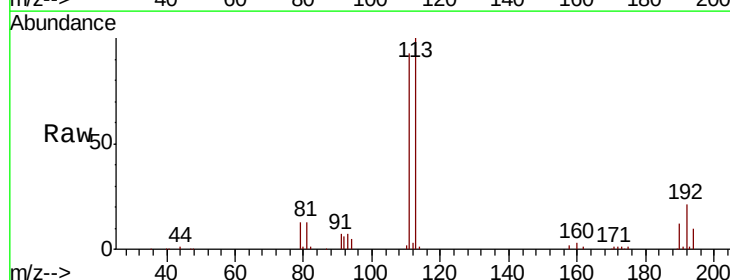
Tgt Ion:113 Resp: 128208

Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

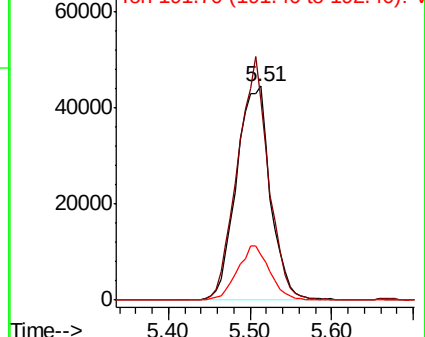
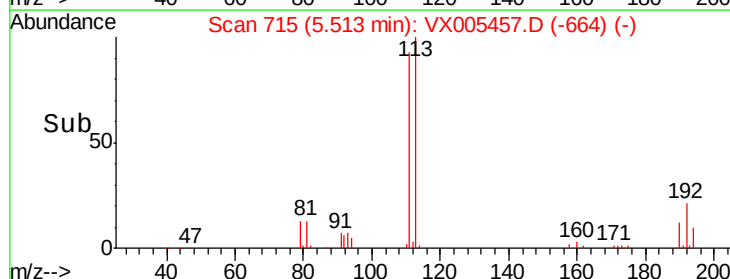
192 24.0 19.4 29.2

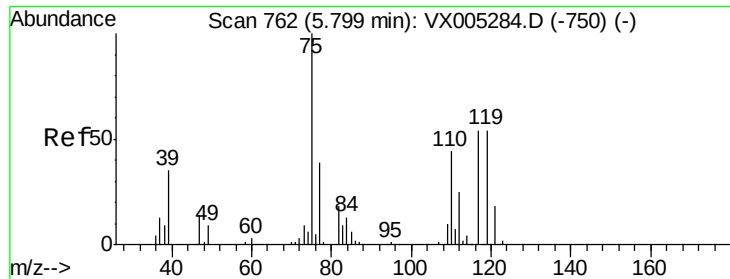


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

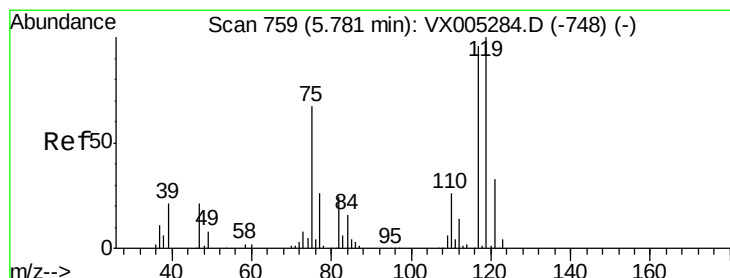
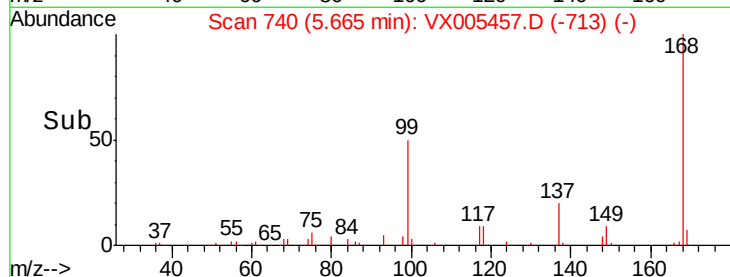
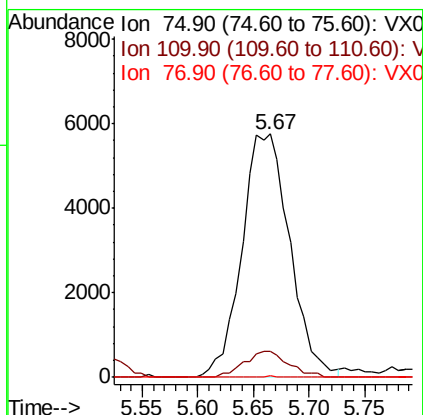
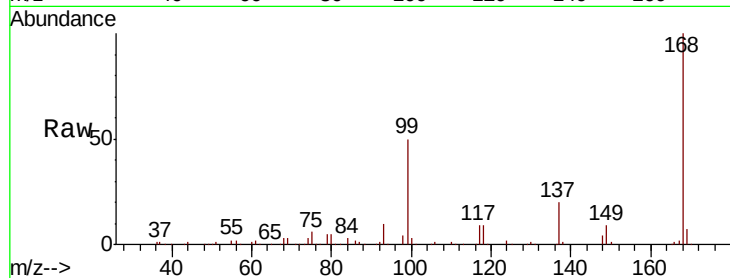




#36
 1,1-Dichloropropene
 Concen: 4.496 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005457.D
 Acq: 19 Oct 2018 14:46

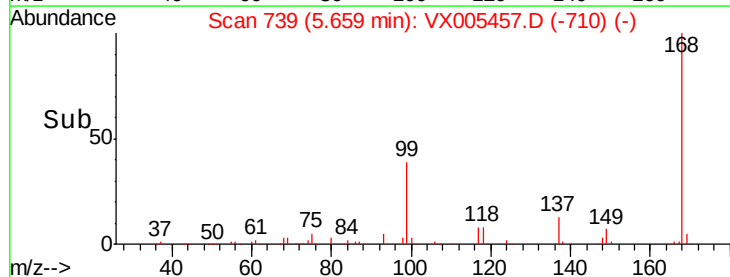
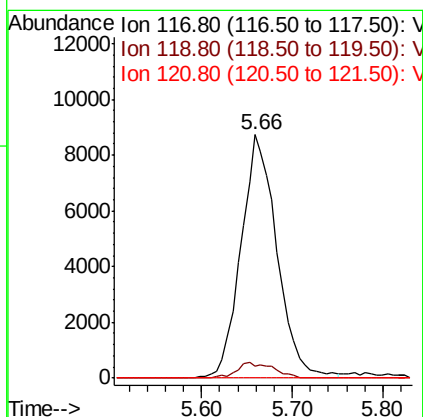
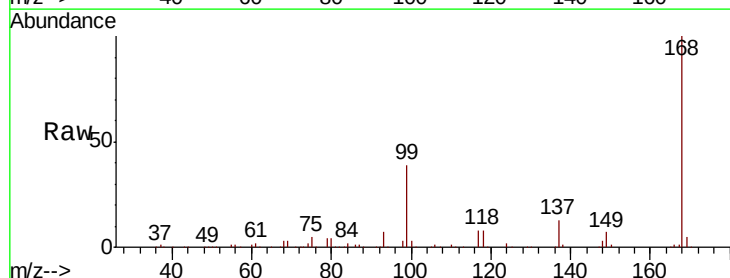
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

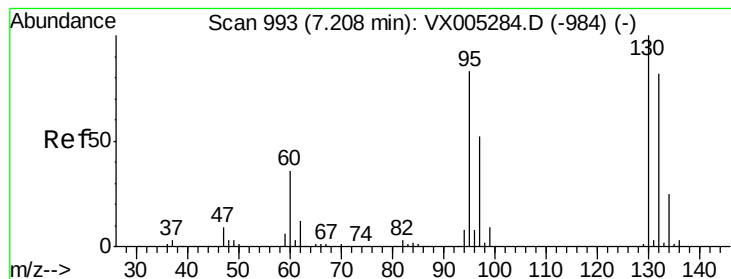
Tot Ion	75	Resp	17254
Ion Ratio	100	Lower	Upper
75	100		
110	9.8	18.0	54.0#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.217 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005457.D
 Acq: 19 Oct 2018 14:46

Tgt Ion	117	Resp	23972
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.7	78.8	118.2#
121	0.0	24.9	37.3#





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005457.D

Acq: 19 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

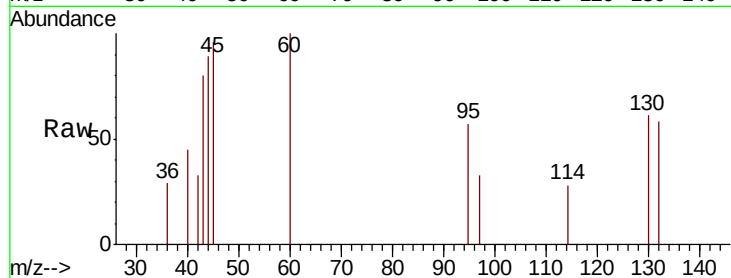
STORAGE-BLANK-SOIL-REF-6

Tot Ion:130 Resp: 160

Ion Ratio Lower Upper

130 100

95 93.7 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

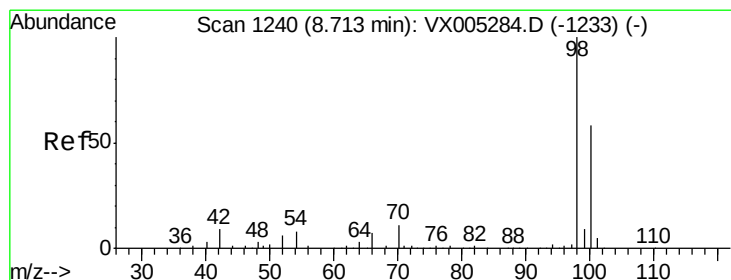
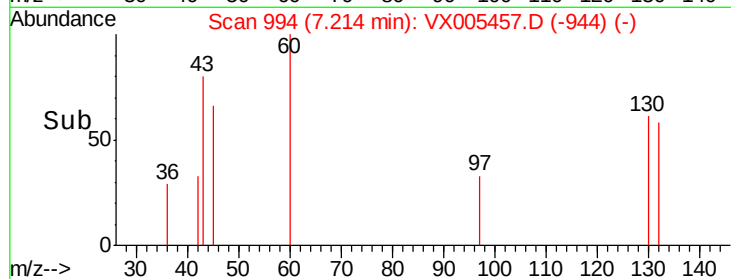
100

50

0

7.18 7.20 7.22 7.24

Time-->



#50

Toluene-d8

Concen: 51.082 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005457.D

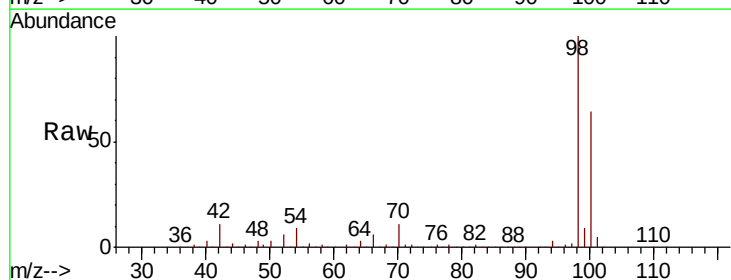
Acq: 19 Oct 2018 14:46

Tgt Ion: 98 Resp: 460235

Ion Ratio Lower Upper

98 100

100 63.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

300000

250000

200000

150000

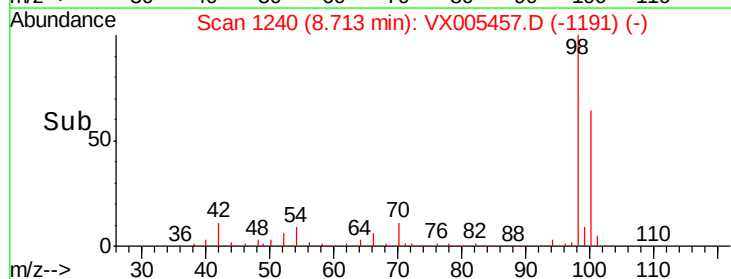
100000

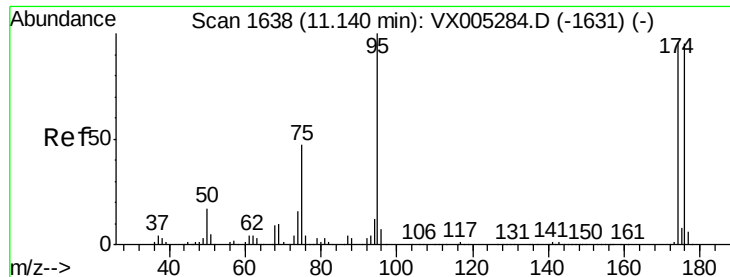
50000

0

8.60 8.70 8.80 8.90

Time-->

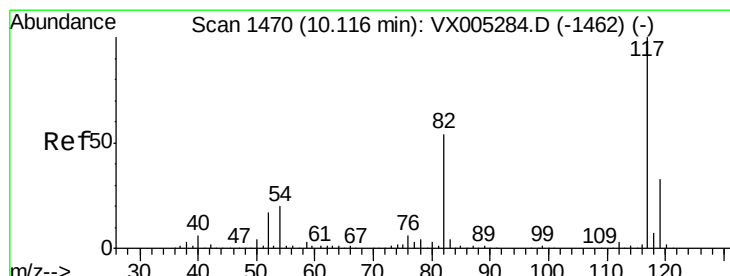
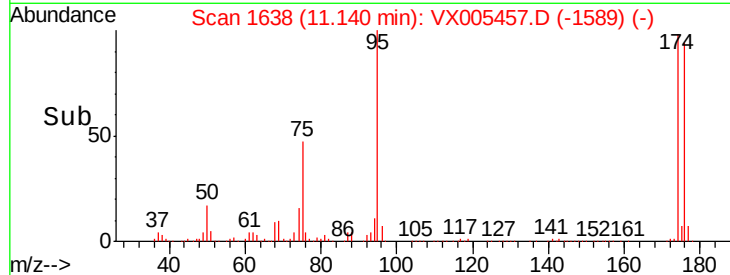
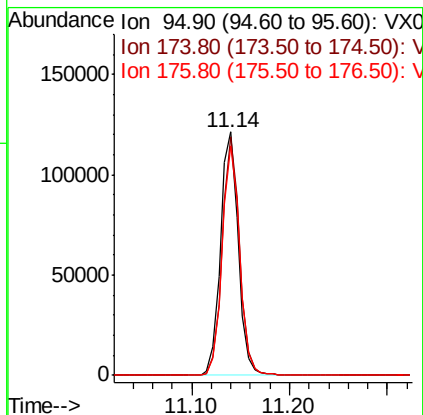
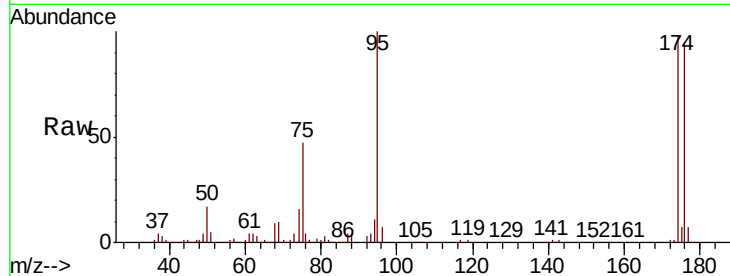




#62
4-Bromofluorobenzene
Concen: 45.152 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005457.D
Acq: 19 Oct 2018 14:46

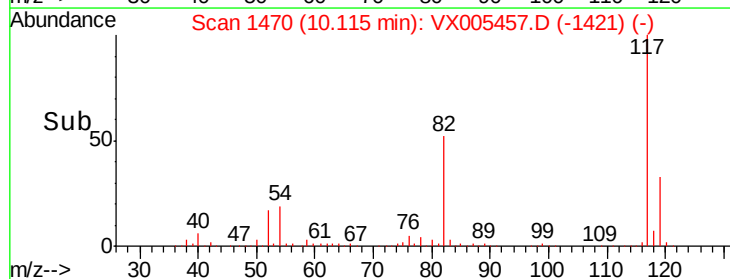
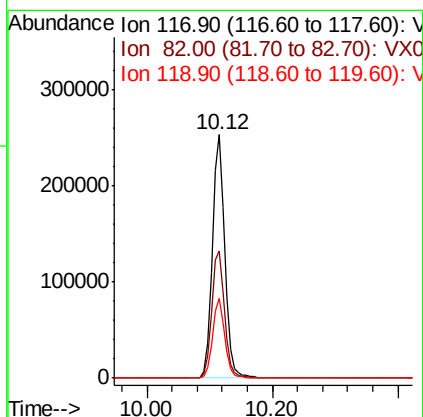
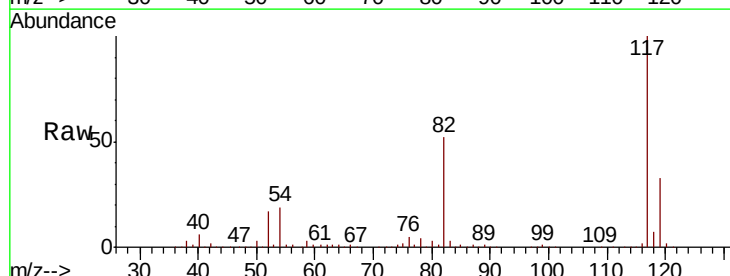
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

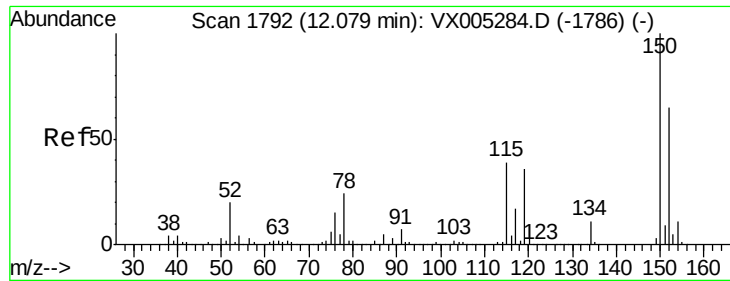
Tot Ion: 95 Resp: 152824
Ion Ratio Lower Upper
95 100
174 95.6 0.0 185.2
176 93.0 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005457.D
Acq: 19 Oct 2018 14:46

Tgt Ion: 117 Resp: 345726
Ion Ratio Lower Upper
117 100
82 52.1 47.8 71.6
119 32.6 29.3 43.9

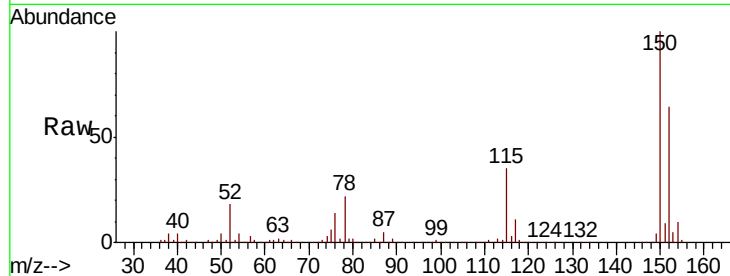




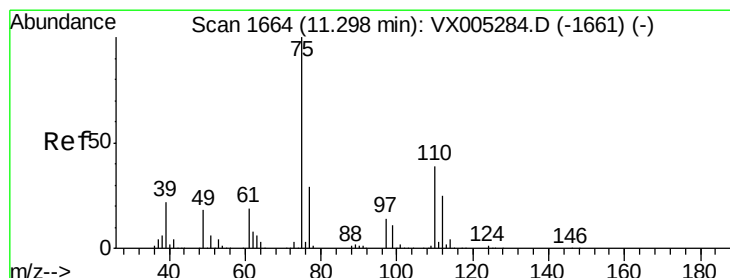
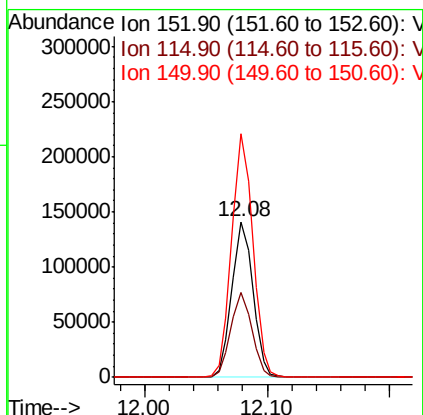
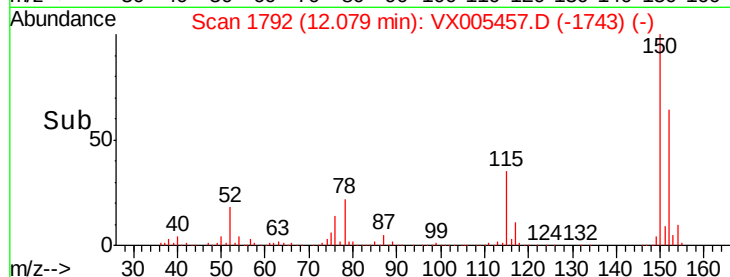
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX005457.D
 Acq: 19 Oct 2018 14:46

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

Tot Ion:152 Resp: 168969
 Ion Ratio Lower Upper
 152 100
 115 54.6 39.0 117.0
 150 156.4 0.0 351.0

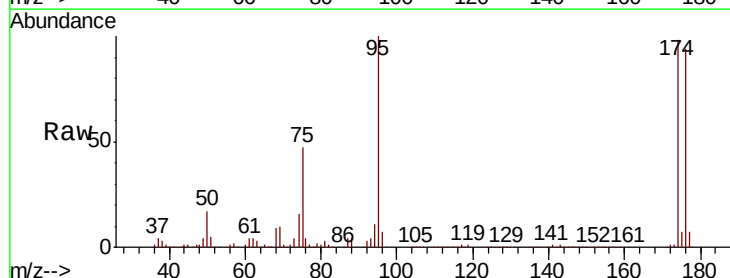


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

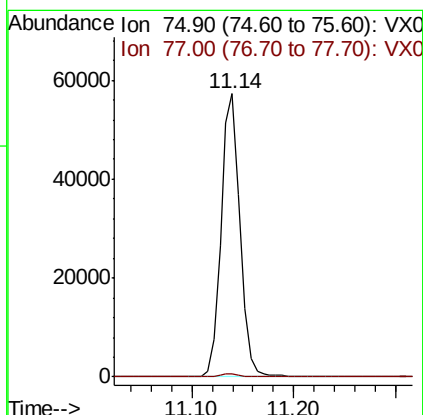
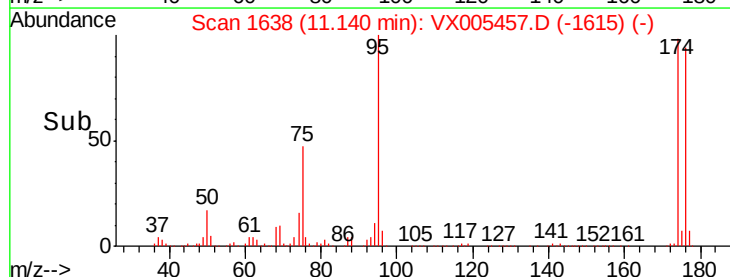


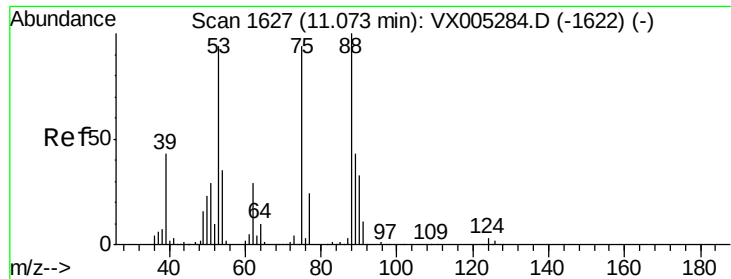
#76
 1,2,3-Trichloropropane
 Concen: 22.552 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005457.D
 Acq: 19 Oct 2018 14:46

Tgt Ion: 75 Resp: 73914
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 77.00 (76.70 to 77.70): VX0

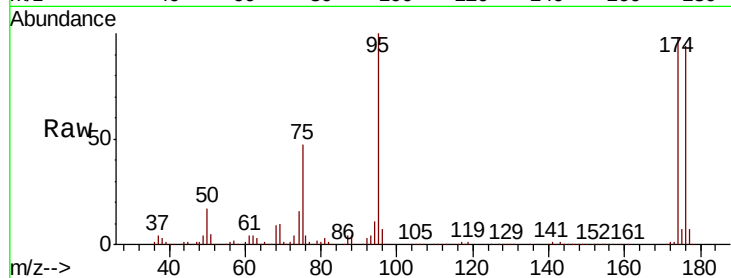




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.523 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005457.D
 Acq: 19 Oct 2018 14:46

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

Tot Ion: 75 Resp: 73914
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#



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

