

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005615.D
 Acq On : 26 Oct 2018 19:49
 Operator : JC/MD
 Sample : J5699-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Oct 27 04:49:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	353848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147351	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	149581	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	5.51	113	113607	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
50) Toluene-d8	8.71	98	412454	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	11.14	95	137762	42.37	ug/l	0.00
Spiked Amount			Recovery	=	84.74%	

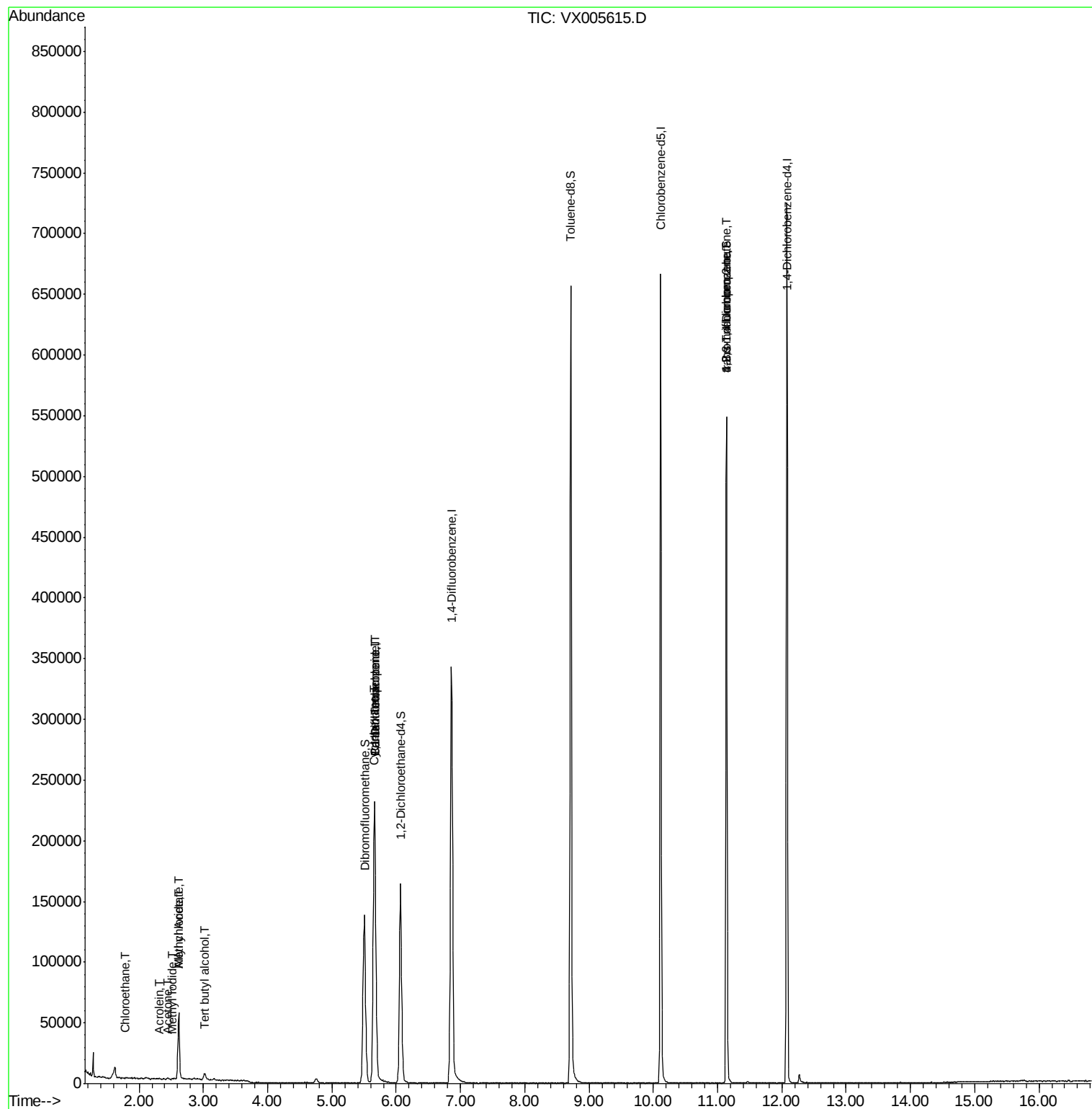
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.78	64	2121	1.134	ug/l #	63
10) Methyl Iodide	2.51	142	202	2.804	ug/l #	73
11) Tert butyl alcohol	3.01	59	2933	3.768	ug/l #	72
13) Acrolein	2.31	56	121	0.305	ug/l #	14
14) Allyl chloride	2.62	41	4672	0.941	ug/l #	63
16) Acetone	2.45	43	857	0.561	ug/l #	87
18) Methyl Acetate	2.62	43	12956	2.029	ug/l #	55
31) Cyclohexane	5.65	56	4229	1.084	ug/l #	5
36) 1,1-Dichloropropene	5.66	75	16927	4.929	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21998	6.082	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	68822	22.044	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	68822	72.030	ug/l #	9

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

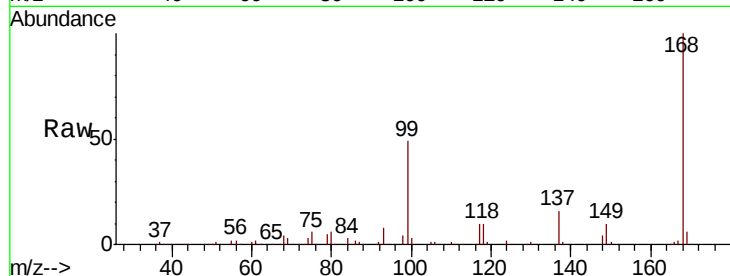
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 236968

Ion Ratio Lower Upper

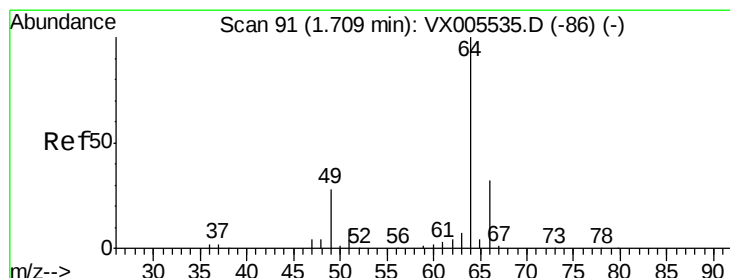
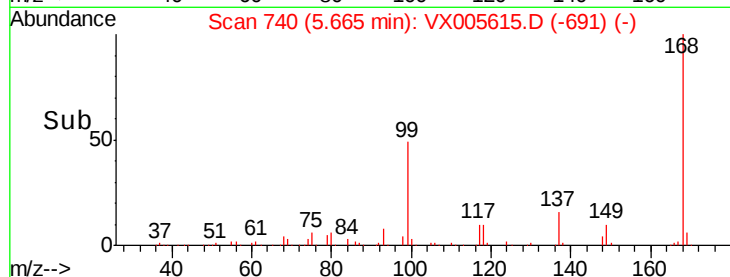
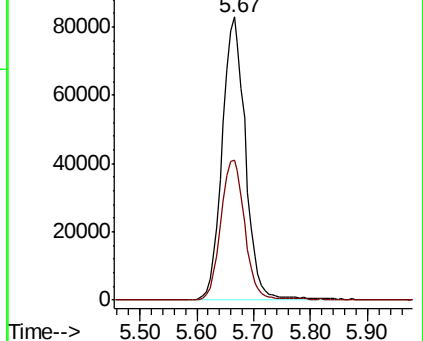
168 100

99 49.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 1.134 ug/l

RT: 1.78 min Scan# 103

Delta R.T. 0.07 min

Lab File: VX005615.D

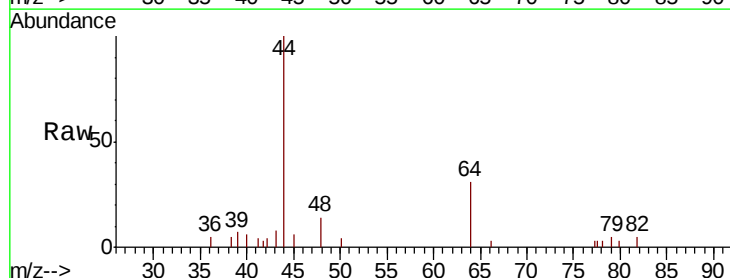
Acq: 26 Oct 2018 19:49

Tgt Ion: 64 Resp: 2121

Ion Ratio Lower Upper

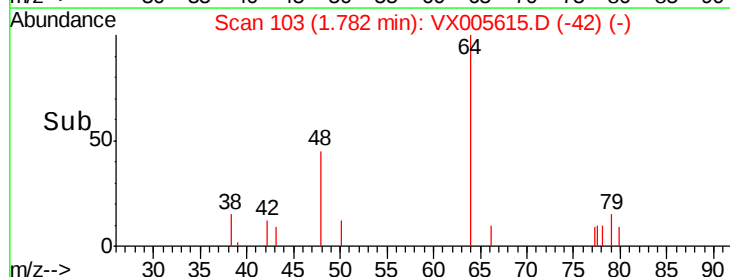
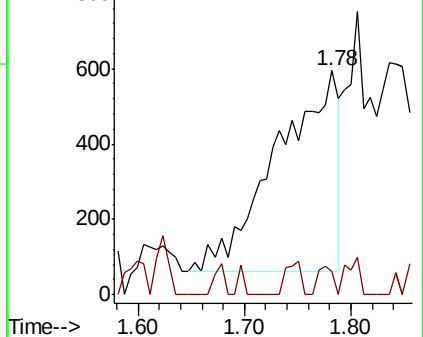
64 100

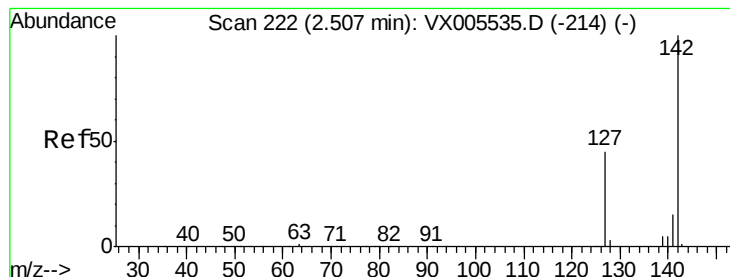
66 11.7 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 2.804 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

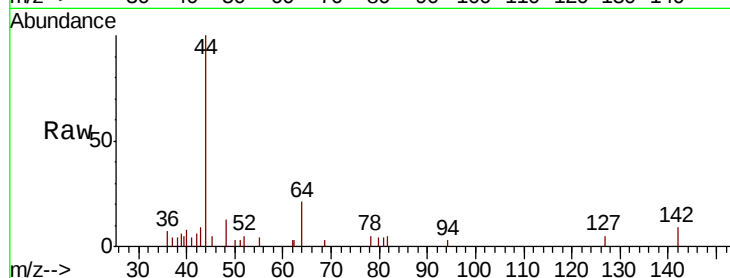
Tot Ion:142 Resp: 202

Ion Ratio Lower Upper

142 100

127 29.2 36.0 54.0#

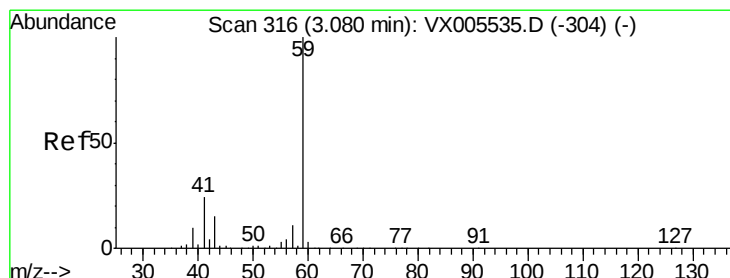
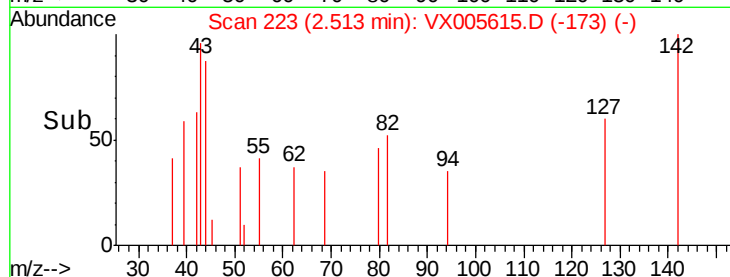
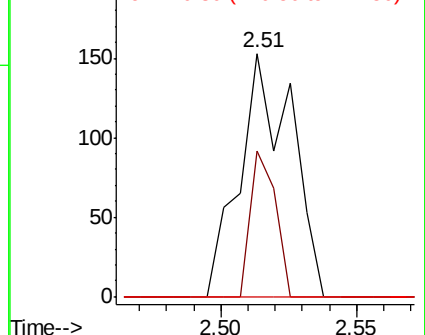
141 0.0 11.7 17.5#



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: 3.768 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.07 min

Lab File: VX005615.D

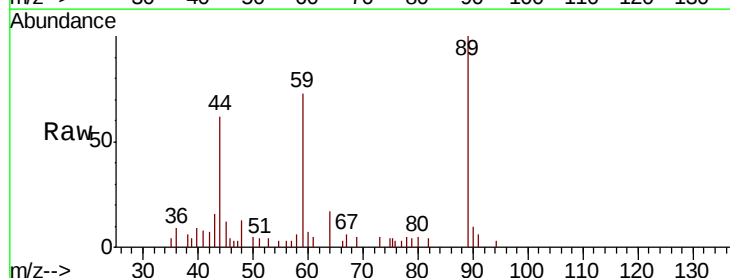
Acq: 26 Oct 2018 19:49

Tgt Ion: 59 Resp: 2933

Ion Ratio Lower Upper

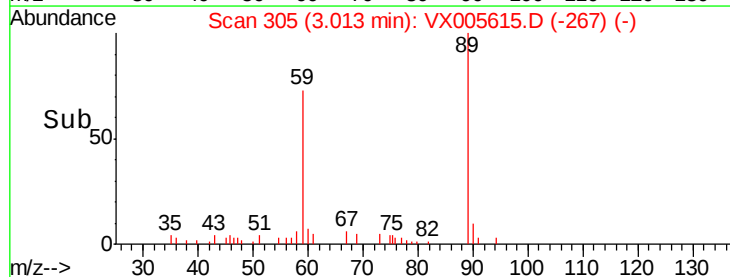
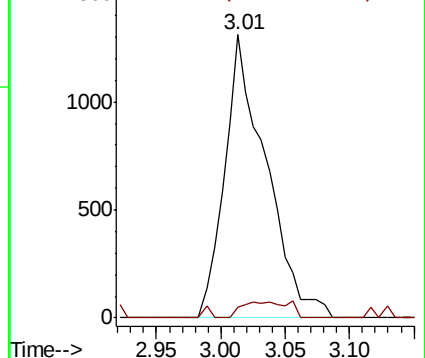
59 100

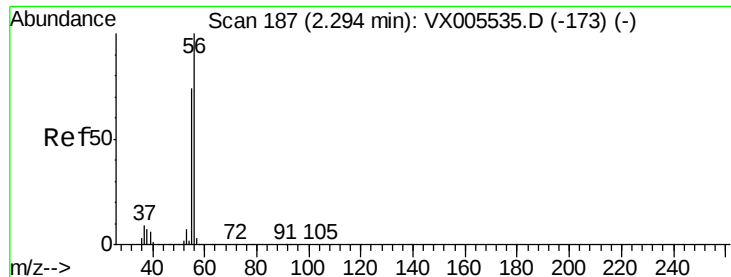
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.305 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

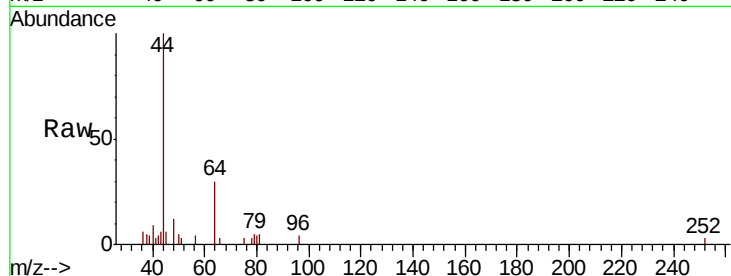
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 121

Ion Ratio Lower Upper

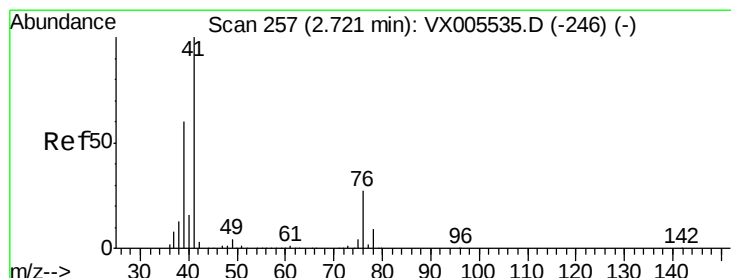
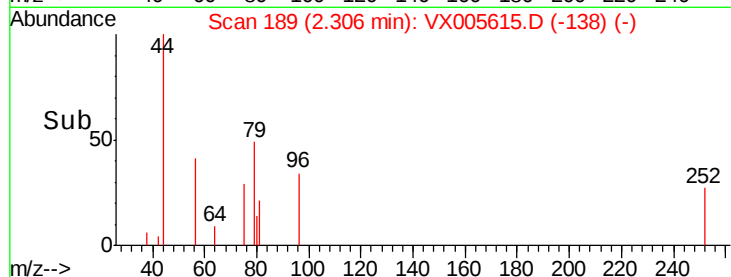
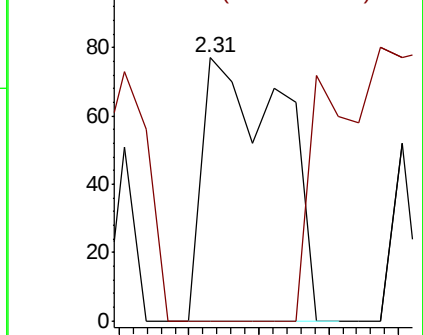
56 100

55 0.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.941 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

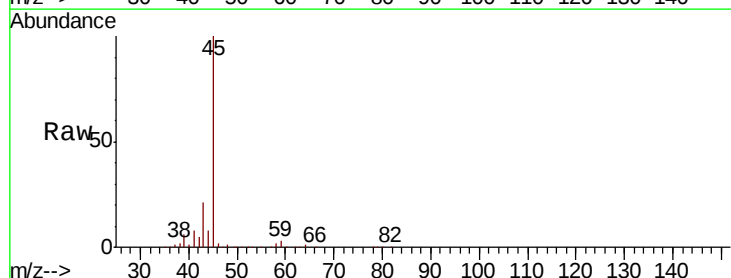
Tgt Ion: 41 Resp: 4672

Ion Ratio Lower Upper

41 100

39 82.8 48.2 72.4#

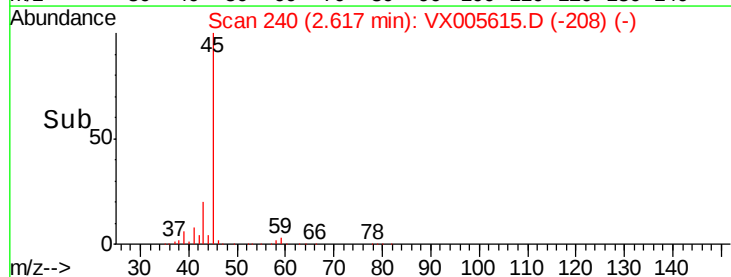
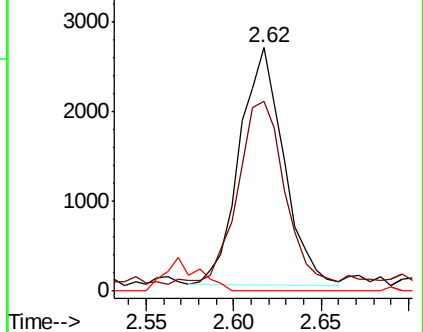
76 0.0 21.9 32.9#

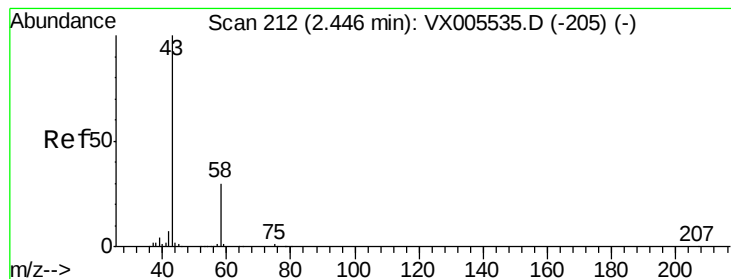


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 0.561 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

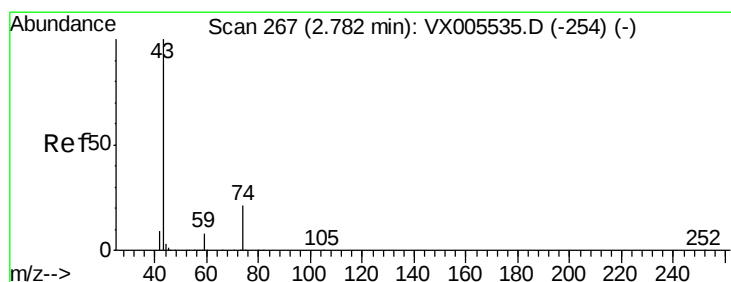
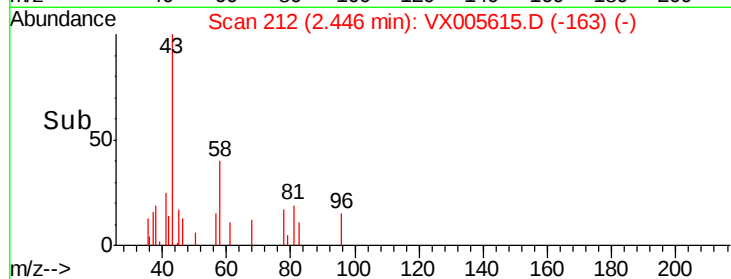
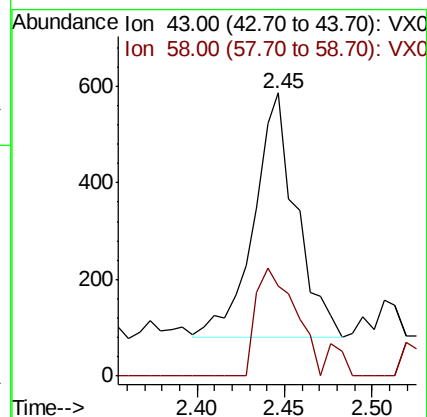
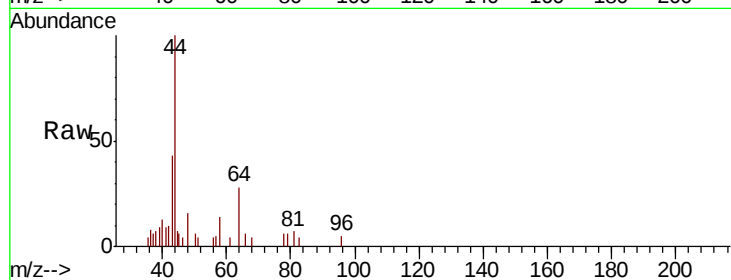
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 857

Ion Ratio Lower Upper

43 100

58 36.9 23.8 35.6#



#18

Methyl Acetate

Concen: 2.029 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.16 min

Lab File: VX005615.D

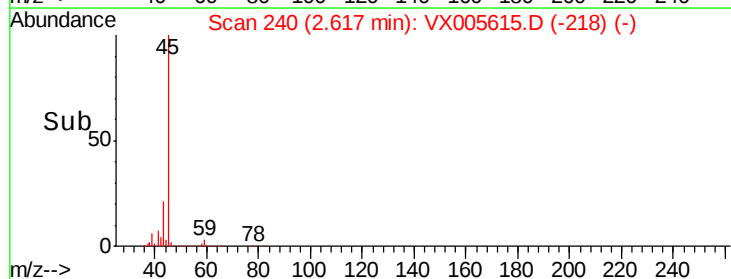
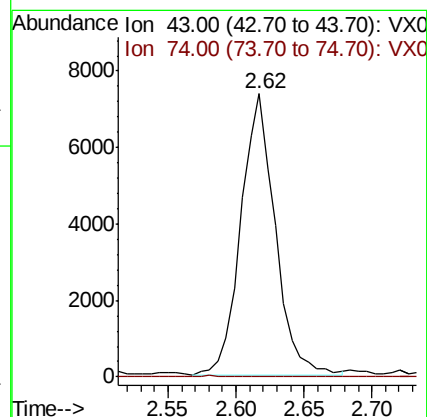
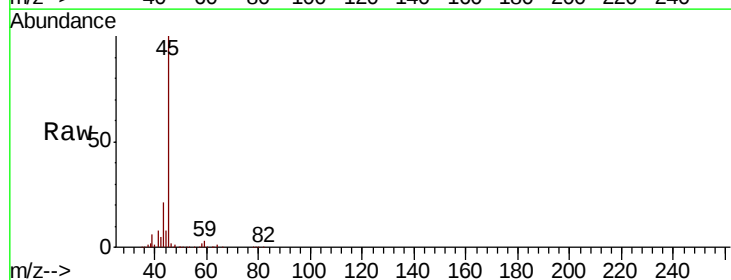
Acq: 26 Oct 2018 19:49

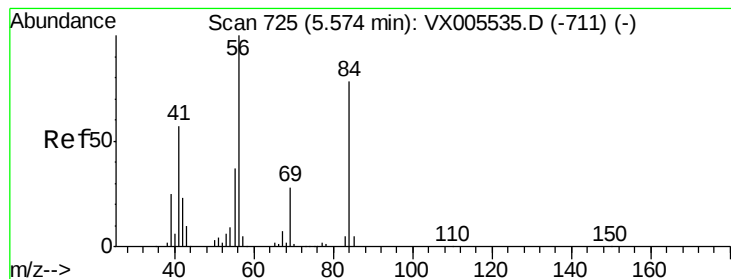
Tgt Ion: 43 Resp: 12956

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#





#31

Cyclohexane

Concen: 1.084 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

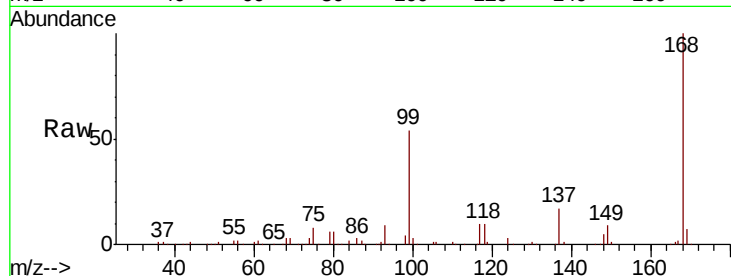
Tot Ion: 56 Resp: 4229

Ion Ratio Lower Upper

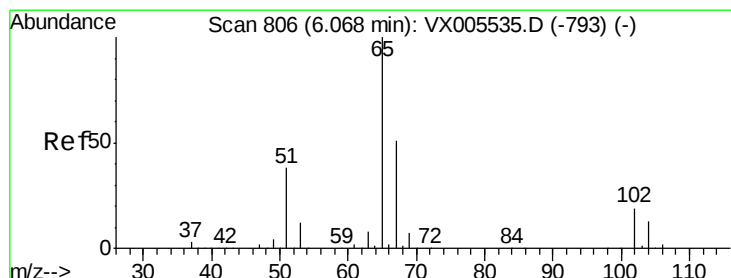
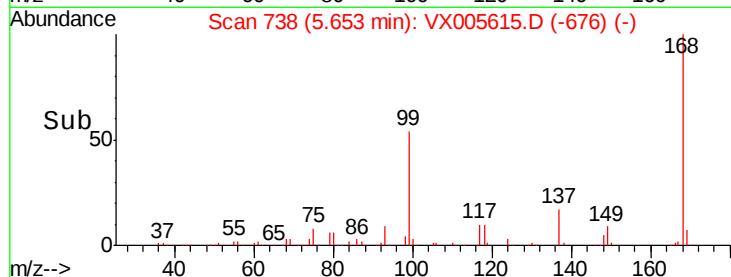
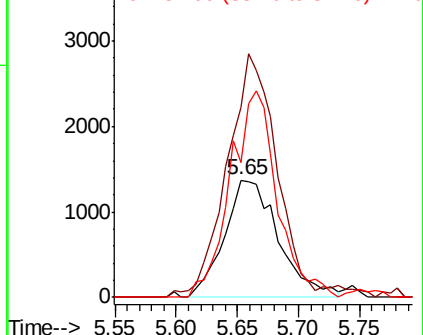
56 100

69 156.4 22.6 34.0#

84 115.2 62.7 94.1#



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: 51.711 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005615.D

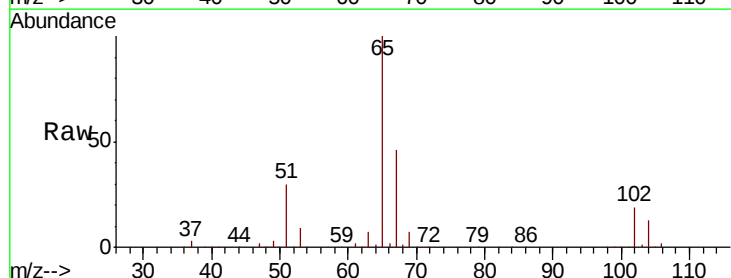
Acq: 26 Oct 2018 19:49

Tgt Ion: 65 Resp: 149581

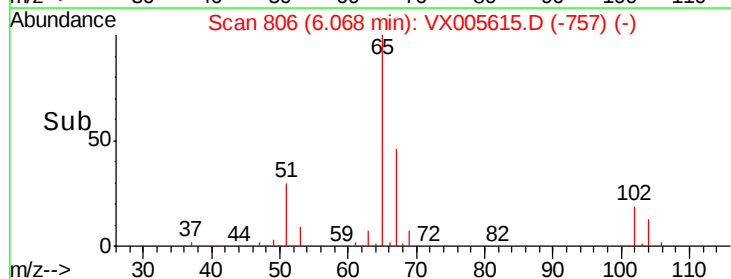
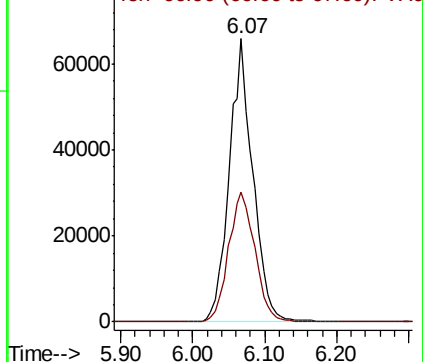
Ion Ratio Lower Upper

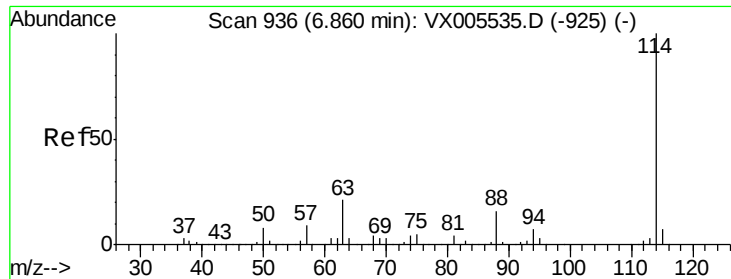
65 100

67 51.8 0.0 105.0



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

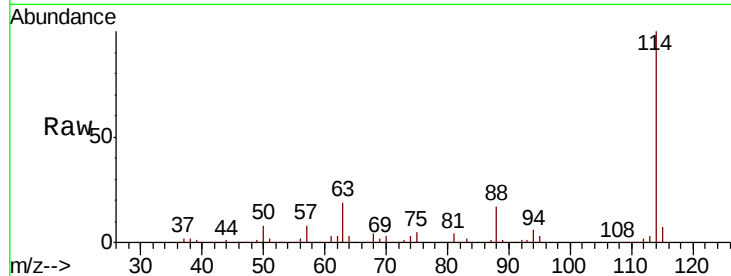




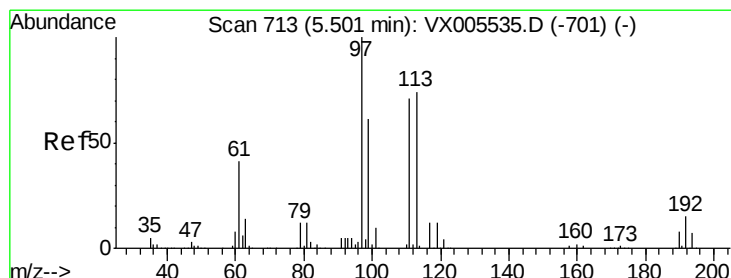
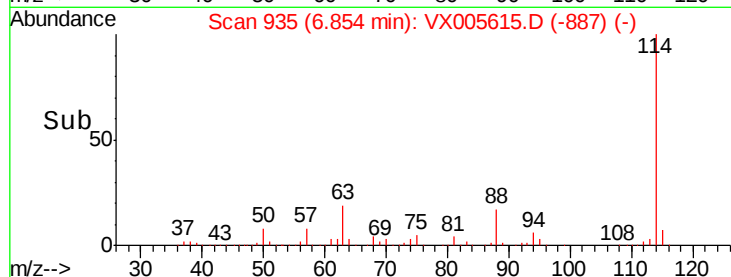
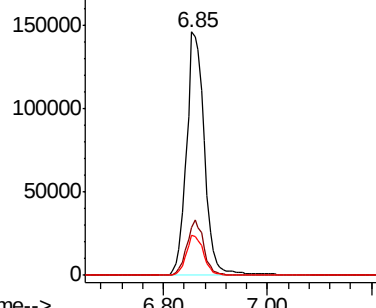
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX005615.D
Acq: 26 Oct 2018 19:49

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STORAGE-BLANK-SOIL-REF-6

Tot Ion:114 Resp: 353848
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.8
88 16.6 0.0 31.2

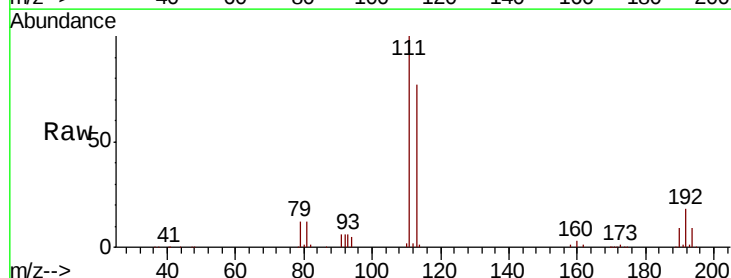


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

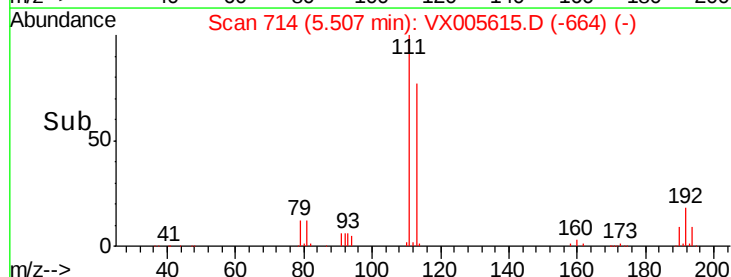
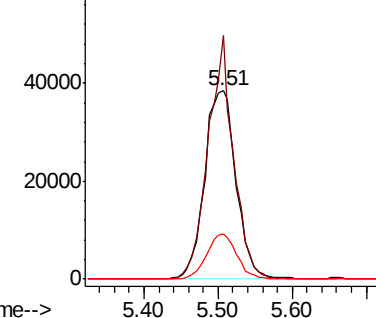


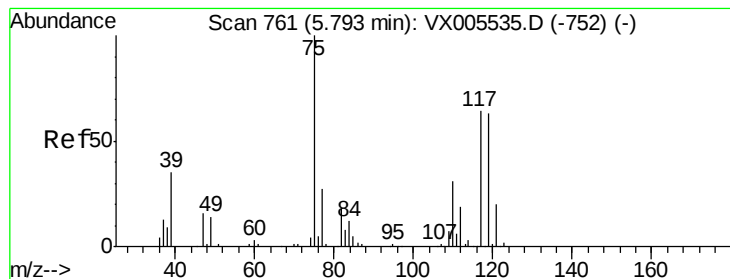
#35
Dibromofluoromethane
Concen: 47.416 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005615.D
Acq: 26 Oct 2018 19:49

Tgt Ion:113 Resp: 113607
Ion Ratio Lower Upper
113 100
111 105.3 82.3 123.5
192 23.1 17.9 26.9



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: 4.929 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

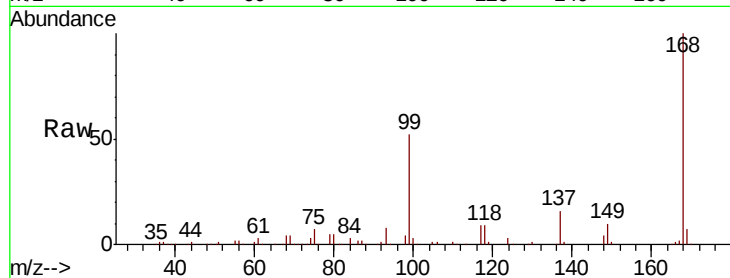
Tot Ion: 75 Resp: 16927

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.2#

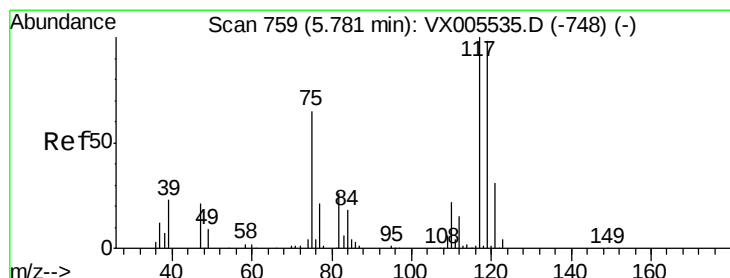
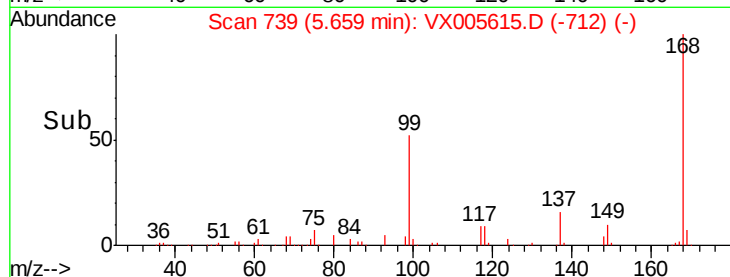
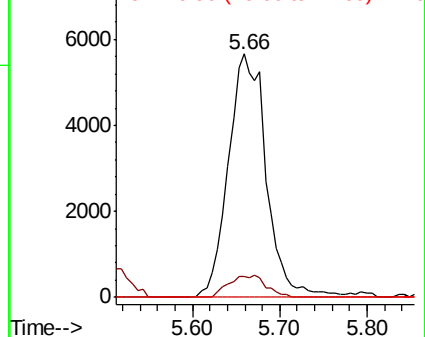
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX005535.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX005535.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX005535.D (-752) (-)



#38

Carbon Tetrachloride

Concen: 6.082 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

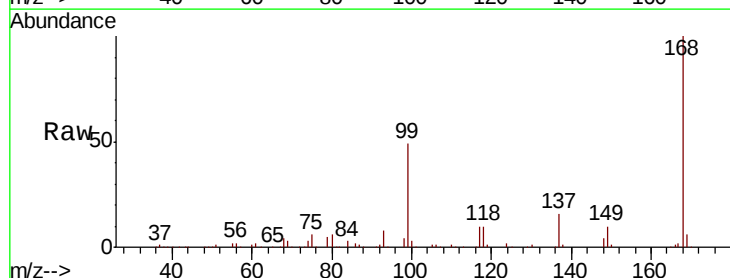
Tgt Ion: 117 Resp: 21998

Ion Ratio Lower Upper

117 100

119 6.6 78.1 117.1#

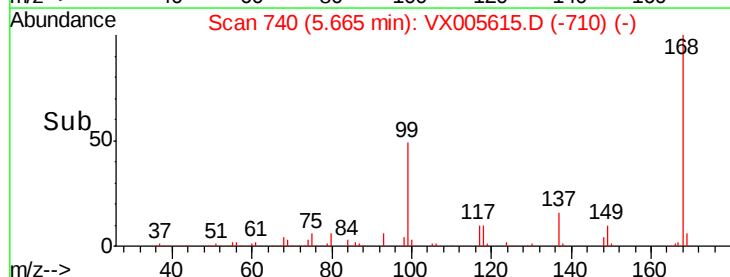
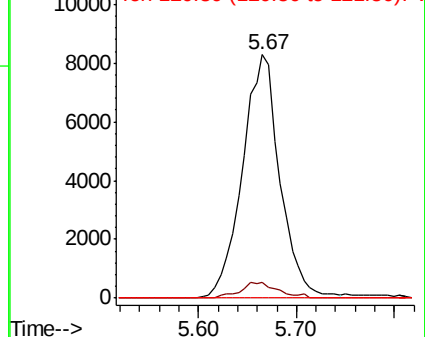
121 0.0 24.6 36.8#

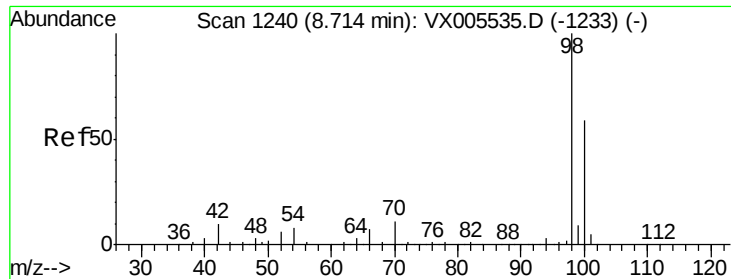


Abundance Ion 116.80 (116.50 to 117.50): VX005535.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005535.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005535.D (-748) (-)





#50

Toluene-d8

Concen: 47.909 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

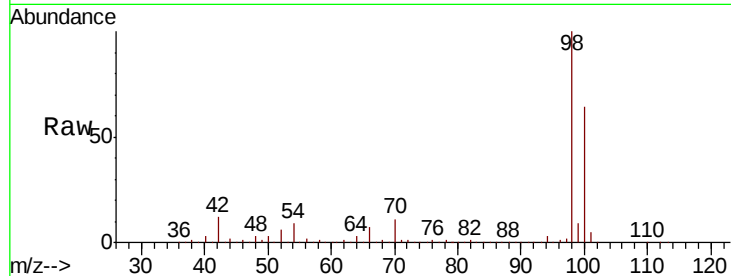
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 412454

Ion Ratio Lower Upper

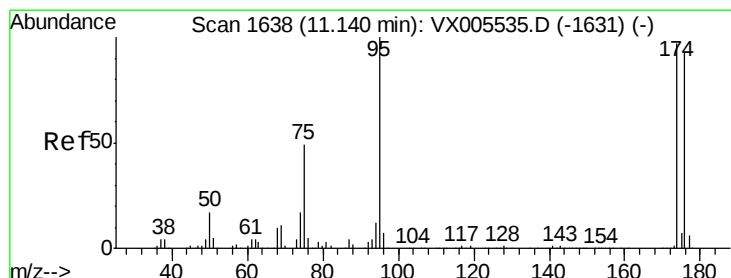
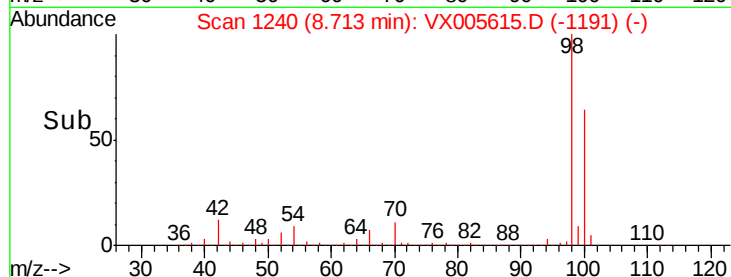
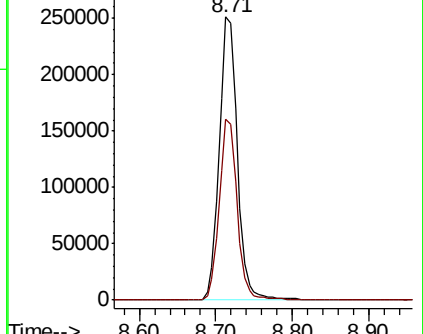
98 100

100 63.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 42.372 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

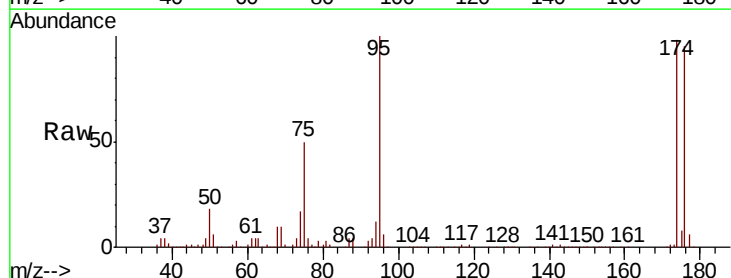
Tgt Ion: 95 Resp: 137762

Ion Ratio Lower Upper

95 100

174 93.6 0.0 184.4

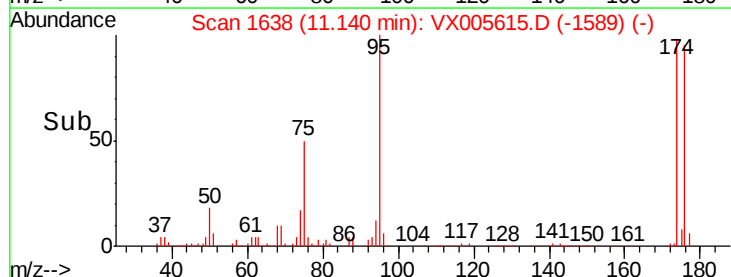
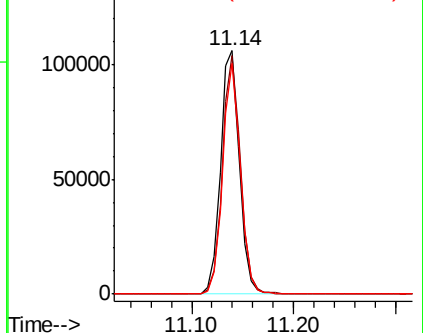
176 89.1 0.0 177.4

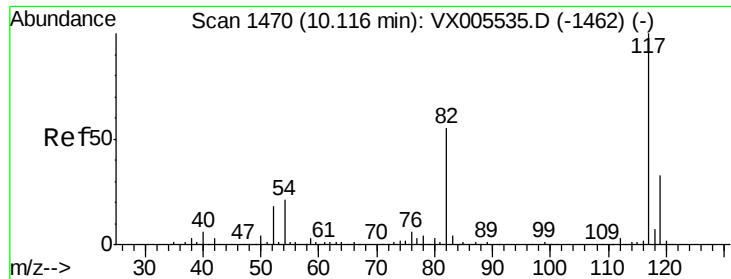


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

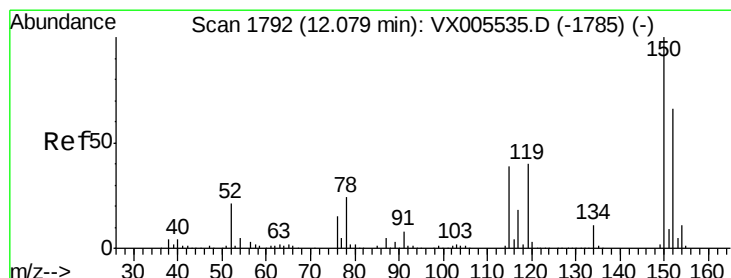
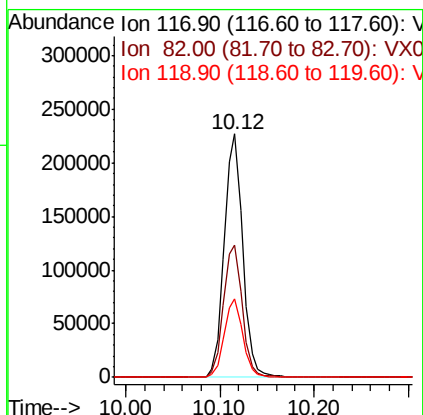
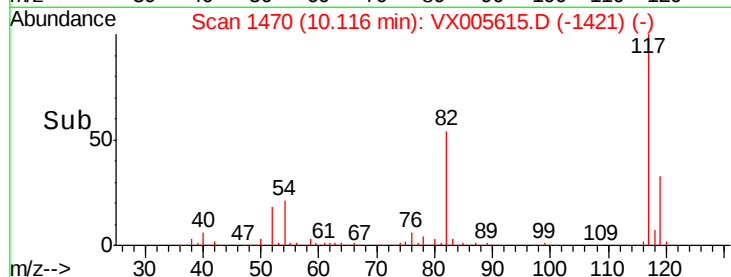
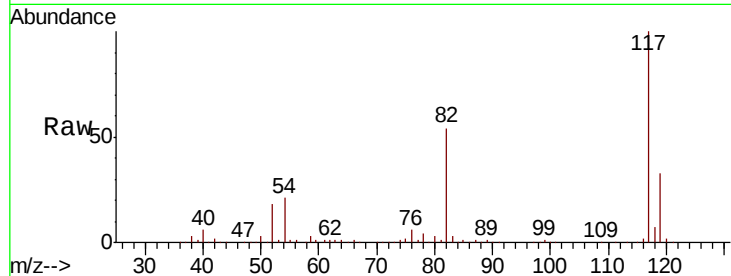




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005615.D
Acq: 26 Oct 2018 19:49

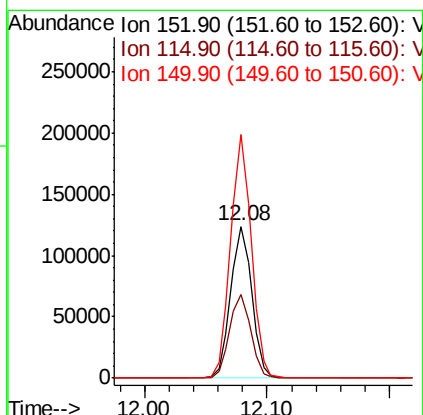
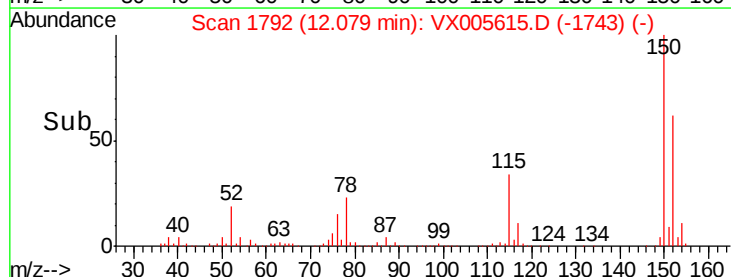
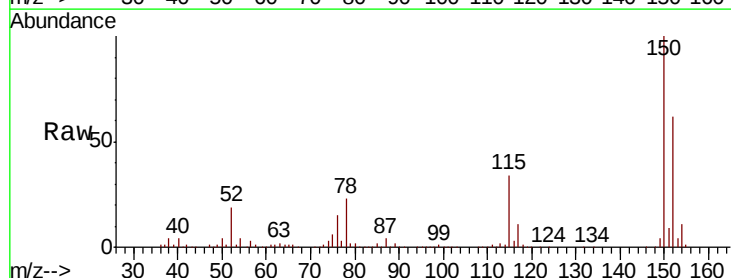
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

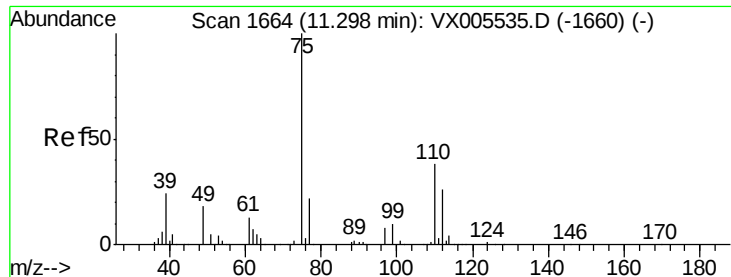
Tot Ion:117 Resp: 309530
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 32.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005615.D
Acq: 26 Oct 2018 19:49

Tgt Ion:152 Resp: 147351
Ion Ratio Lower Upper
152 100
115 55.5 39.4 118.1
150 157.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.044 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

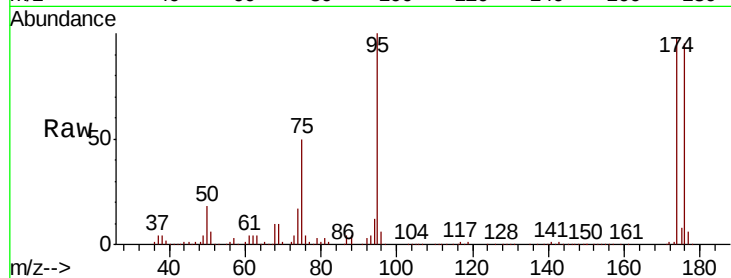
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 68822

Ion Ratio Lower Upper

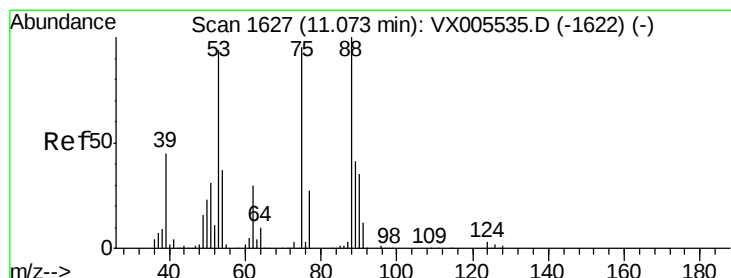
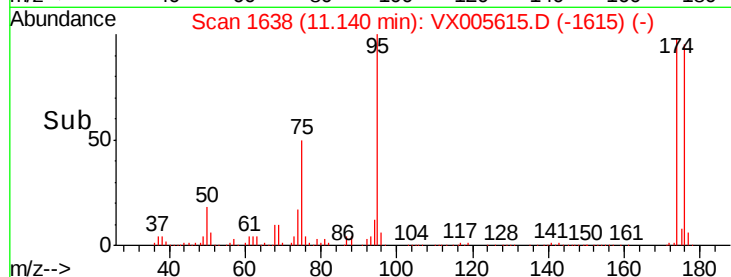
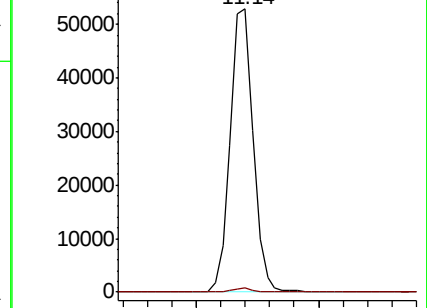
75 100

77 1.3 20.5 61.6#



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: 72.030 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005615.D

Acq: 26 Oct 2018 19:49

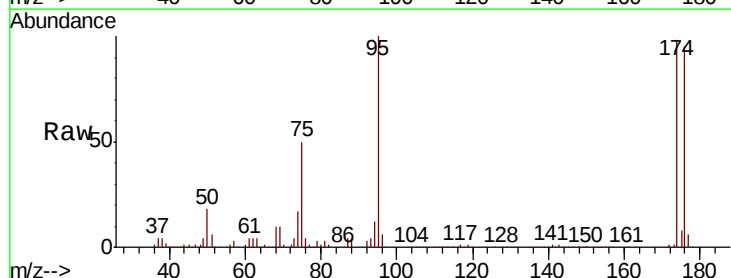
Tgt Ion: 75 Resp: 68822

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



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

