

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090418\
 Data File : VX004347.D
 Acq On : 04 Sep 2018 15:18
 Operator : JC/MD
 Sample : J4762-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-SOILREF-5

Quant Time: Sep 05 06:40:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	265862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	425586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	233231	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	190571	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
35) Dibromofluoromethane	5.50	113	167767	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
50) Toluene-d8	8.71	98	614074	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.14	95	218679	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	

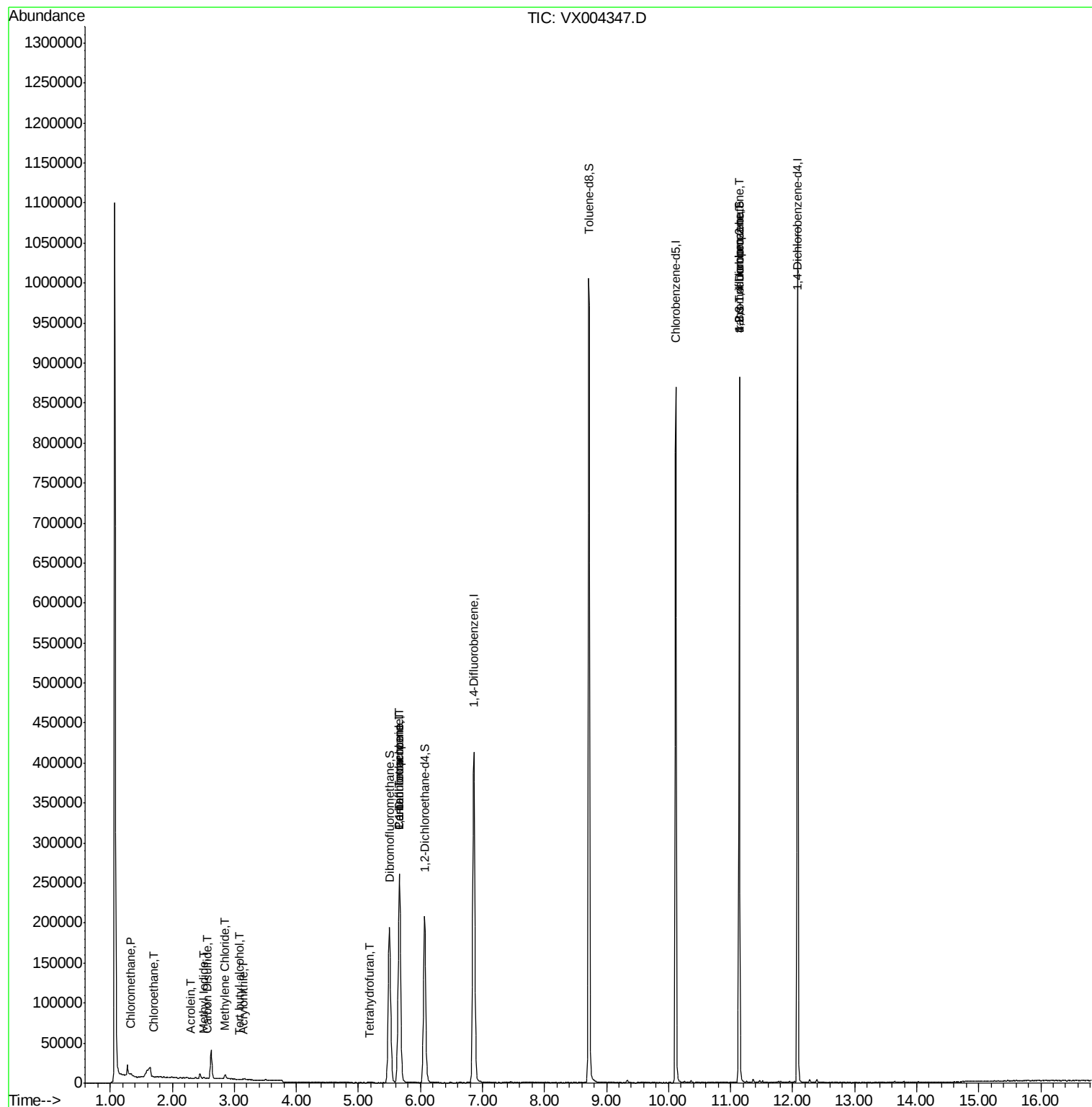
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1387	0.70	ug/l	# 87
5) Bromomethane	1.64	94	1564	Below	Cal	91
6) Chloroethane	1.70	64	2476	1.85	ug/l	# 44
10) Methyl Iodide	2.51	142	1303	4.62	ug/l	95
11) Tert butyl alcohol	3.07	59	233	0.32	ug/l	99
13) Acrolein	2.30	56	205	1.15	ug/l	# 16
15) Acrylonitrile	3.14	53	417	0.23	ug/l	# 31
16) Acetone	2.45	43	5692	Below	Cal	98
17) Carbon Disulfide	2.57	76	1152	0.94	ug/l	98
20) Methylene Chloride	2.85	84	2348	0.70	ug/l	# 82
25) 2-Butanone	4.71	43	515	Below	Cal	# 47
29) Tetrahydrofuran	5.17	42	541	0.36	ug/l	# 60
36) 1,1-Dichloropropene	5.65	75	17526	3.66	ug/l	# 49
38) Carbon Tetrachloride	5.66	117	23391	5.20	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	103064	21.73	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	103064	70.50	ug/l	# 10

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

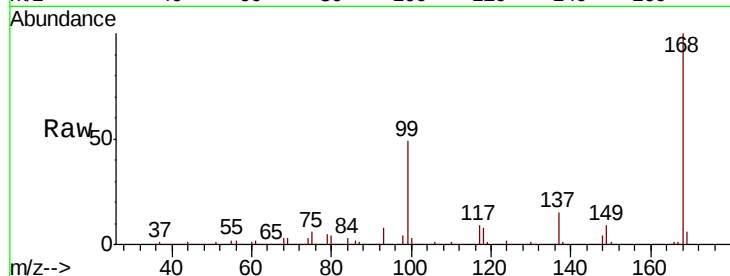
STORAGEBLANK-SOILREF-5

Tot Ion:168 Resp: 265862

Ion Ratio Lower Upper

168 100

99 49.4 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

100000

80000

60000

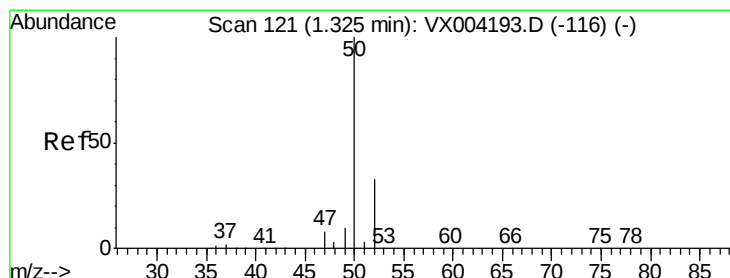
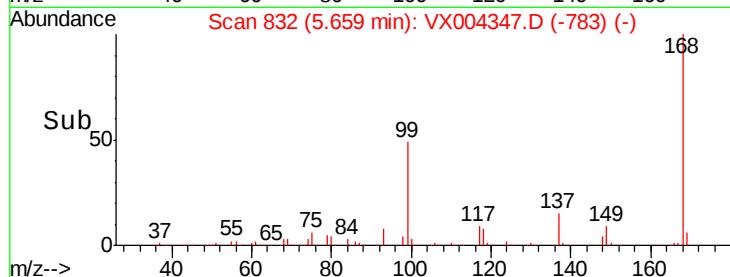
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.70 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004347.D

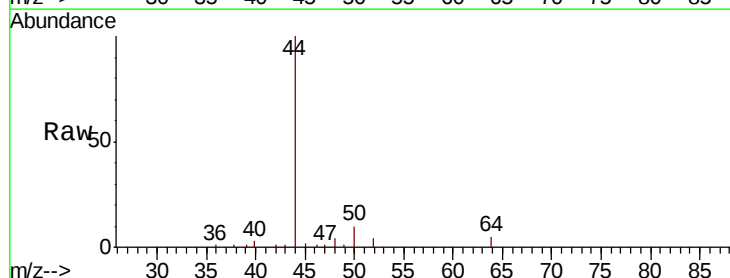
Acq: 04 Sep 2018 15:18

Tgt Ion: 50 Resp: 1387

Ion Ratio Lower Upper

50 100

52 40.1 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

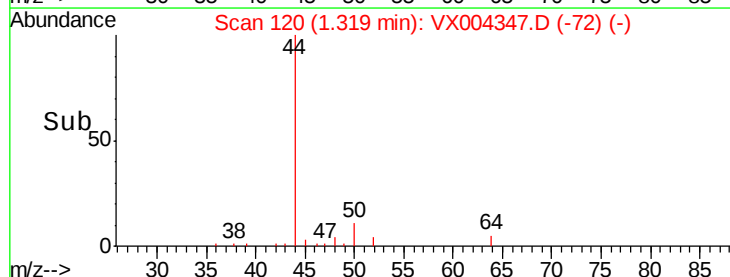
400

200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

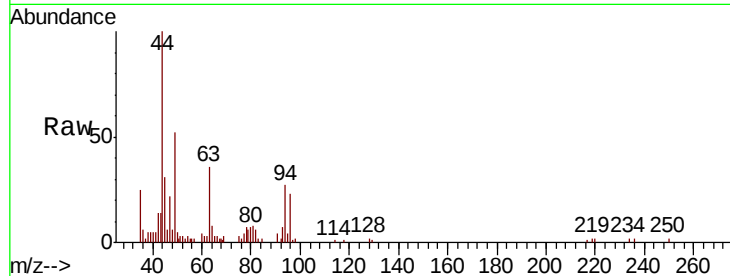
STORAGEBLANK-SOILREF-5

Tot Ion: 94 Resp: 1564

Ion Ratio Lower Upper

94 100

96 84.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

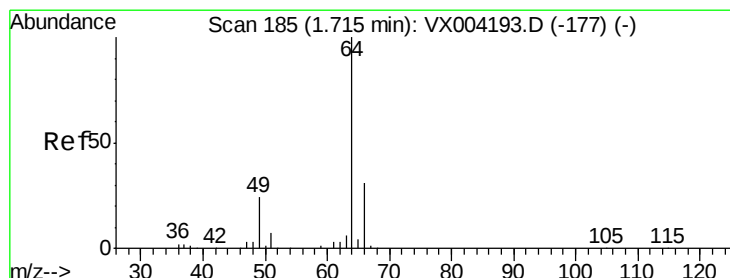
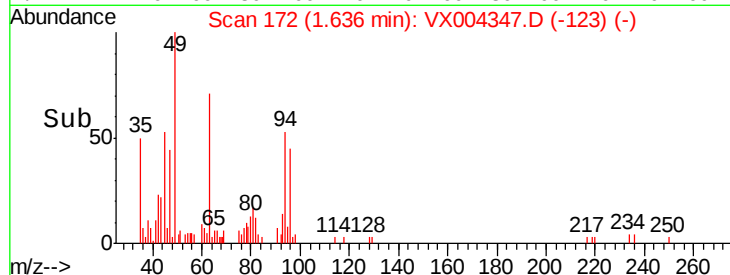
600

400

200

0

Time-->



#6

Chloroethane

Concen: 1.85 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX004347.D

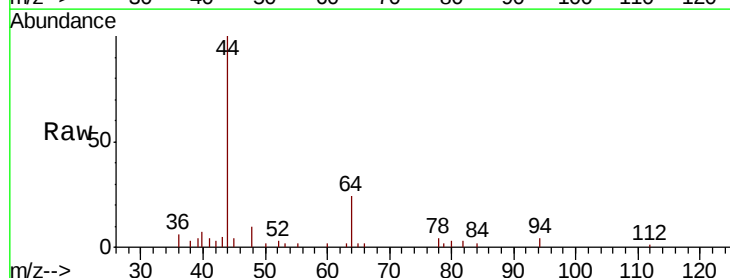
Acq: 04 Sep 2018 15:18

Tgt Ion: 64 Resp: 2476

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

1000

800

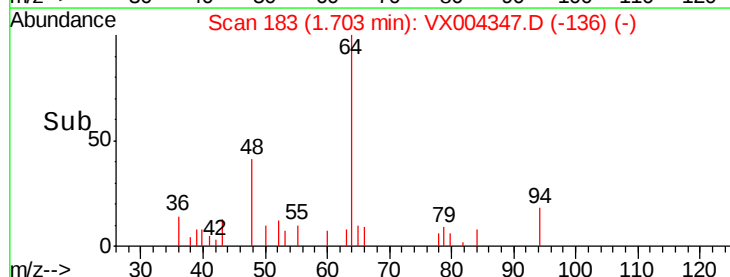
600

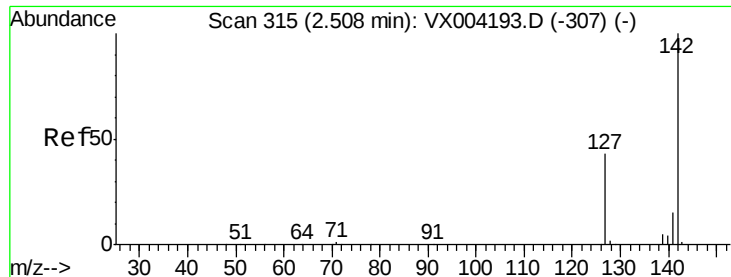
400

200

0

Time-->

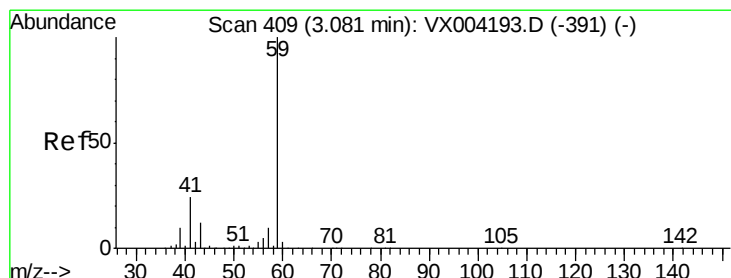
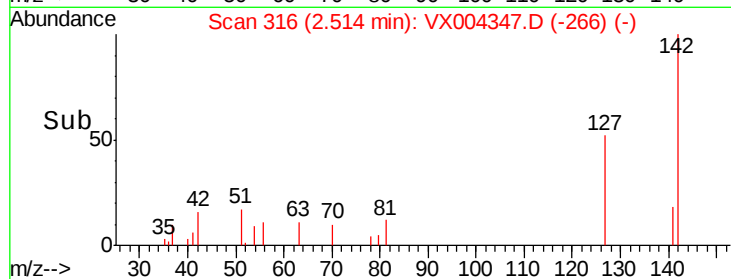
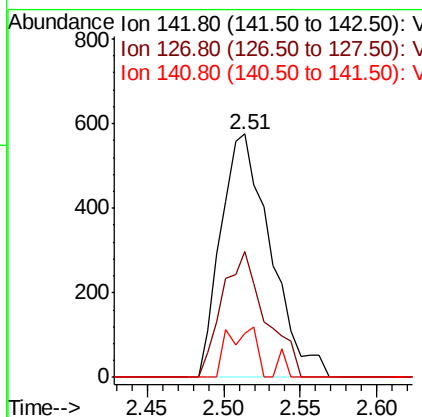
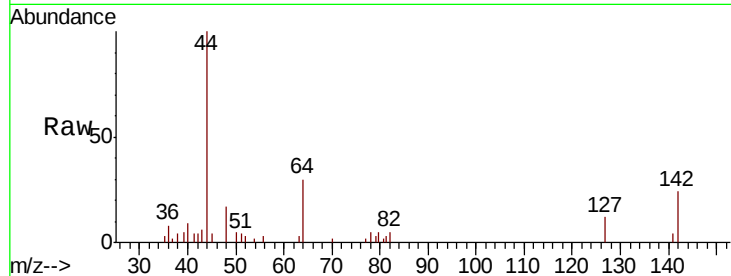




#10
Methvl Iodide
Concen: 4.62 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004347.D
Acq: 04 Sep 2018 15:18

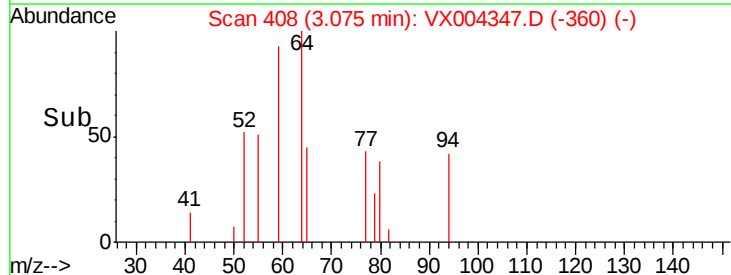
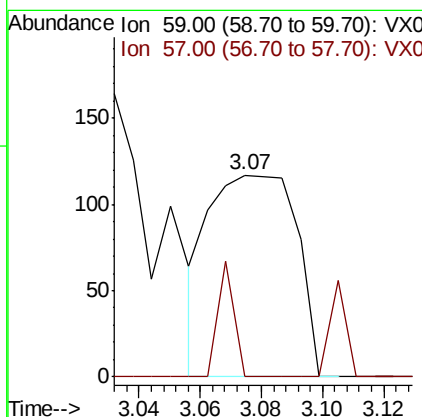
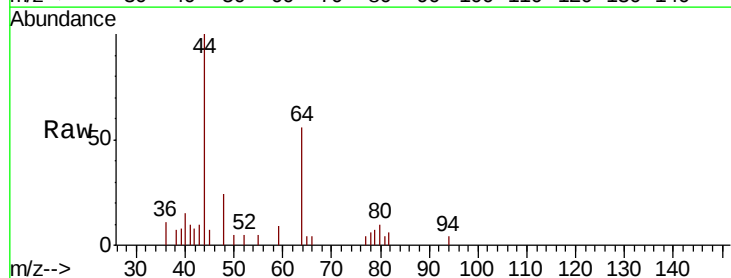
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

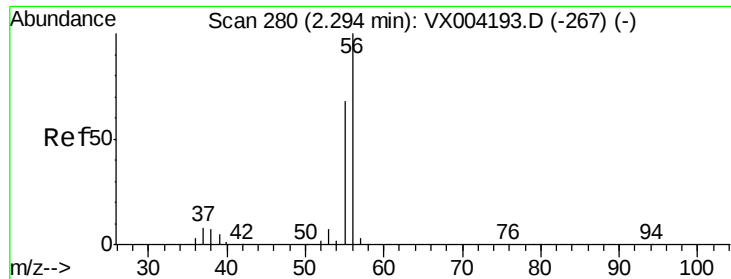
Tot Ion:142 Resp: 1303
Ion Ratio Lower Upper
142 100
127 45.4 33.8 50.6
141 11.6 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004347.D
Acq: 04 Sep 2018 15:18

Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4





#13

Acrolein

Concen: 1.15 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

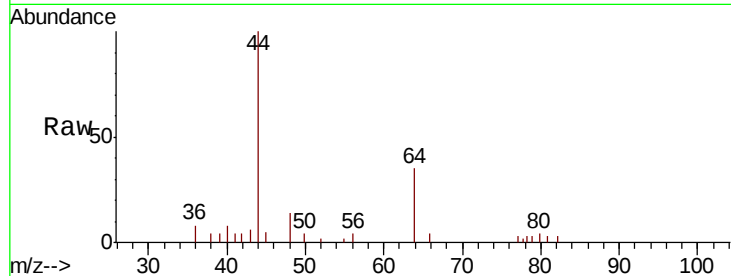
STORAGEBLANK-SOILREF-5

Tot Ion: 56 Resp: 205

Ion Ratio Lower Upper

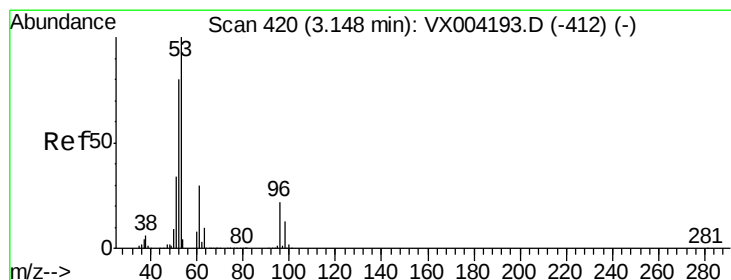
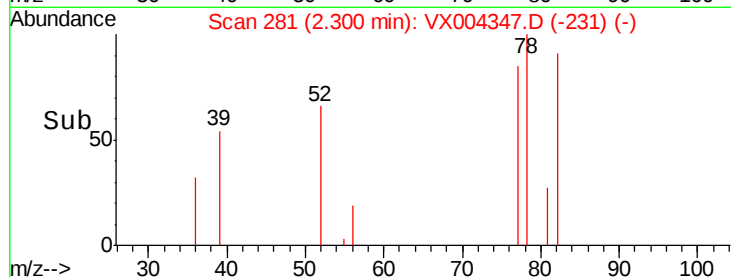
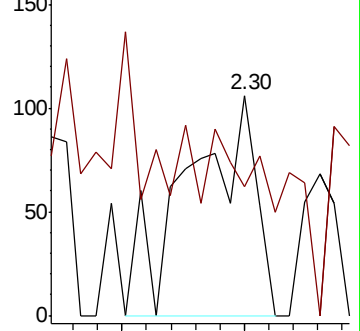
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

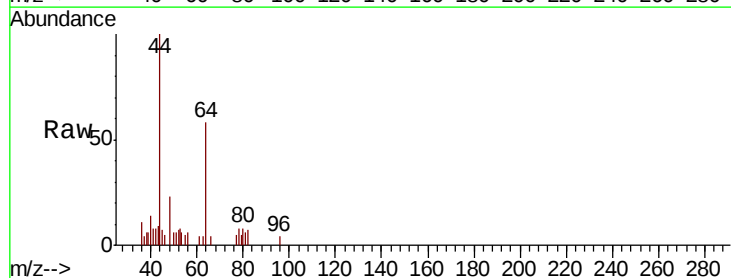
Tgt Ion: 53 Resp: 417

Ion Ratio Lower Upper

53 100

52 0.0 65.2 97.8#

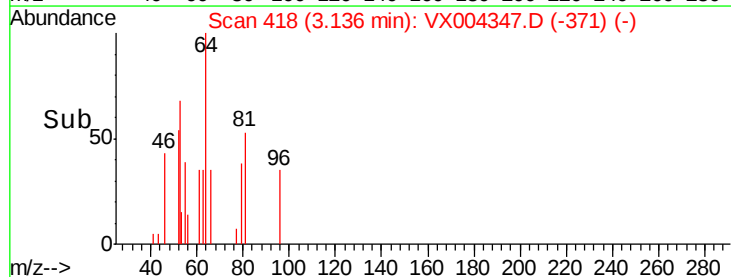
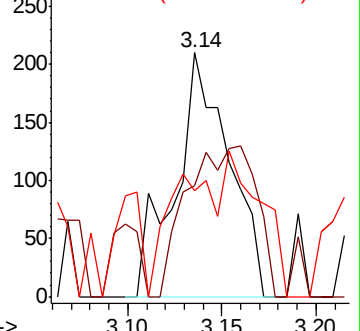
51 44.8 28.2 42.2#

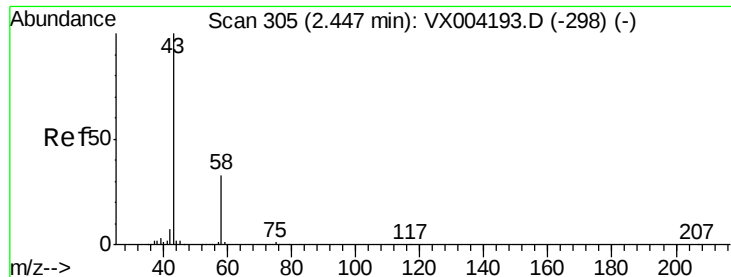


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

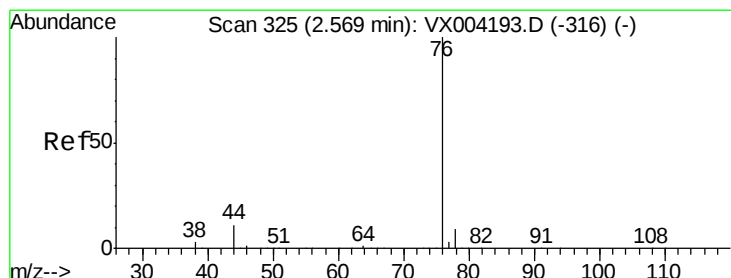
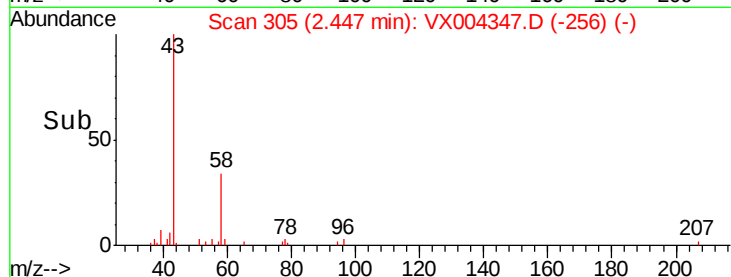
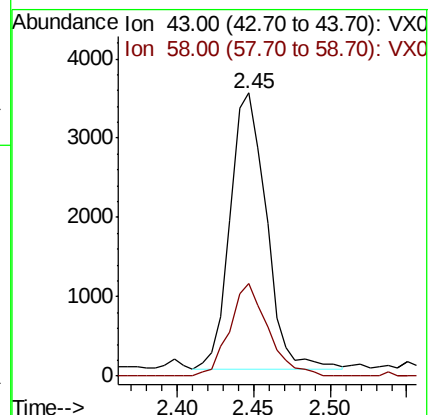
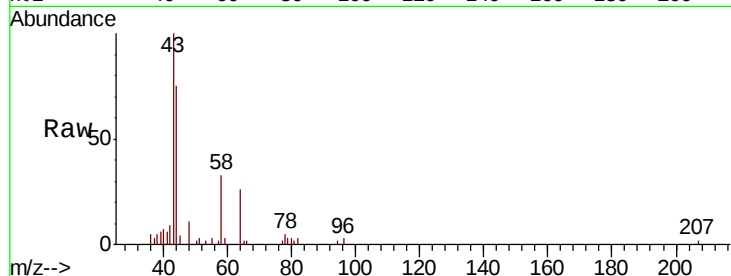
STORAGEBLANK-SOILREF-5

Tot Ion: 43 Resp: 5692

Ion Ratio Lower Upper

43 100

58 33.7 26.2 39.4



#17

Carbon Disulfide

Concen: 0.94 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004347.D

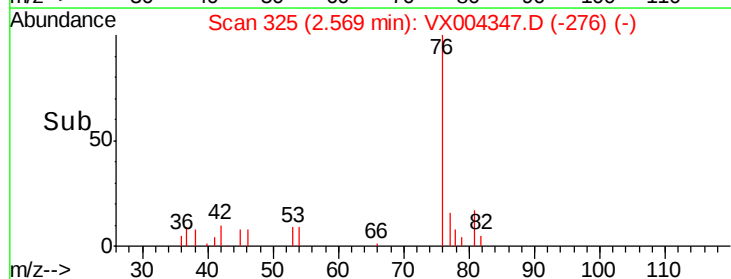
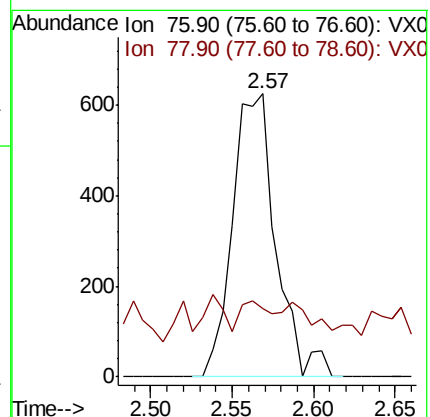
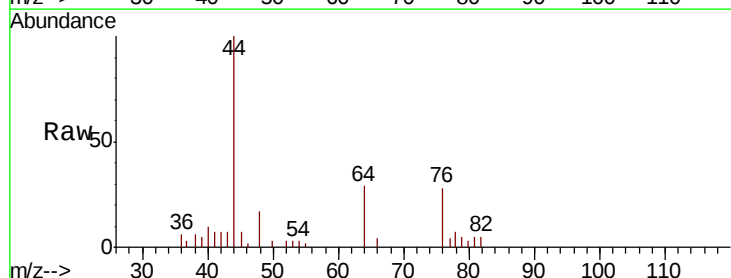
Acq: 04 Sep 2018 15:18

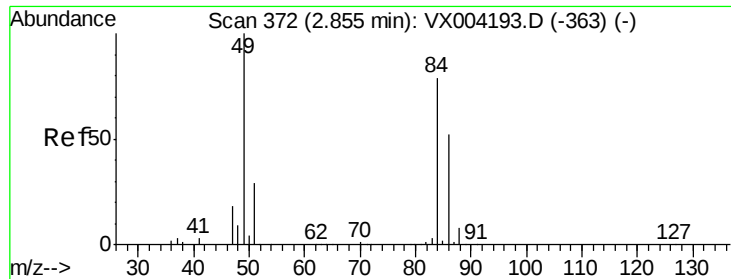
Tgt Ion: 76 Resp: 1152

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.6

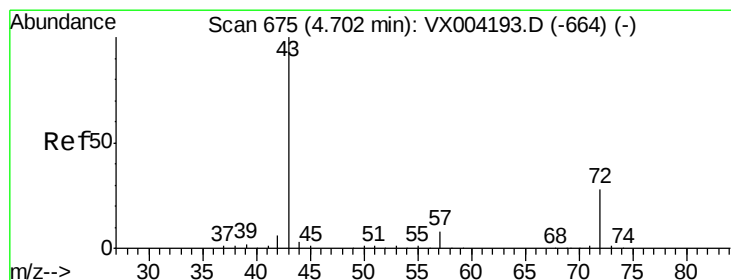
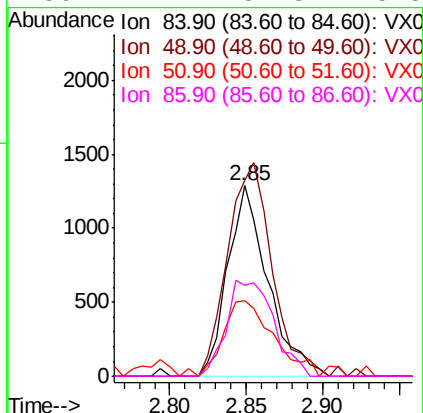
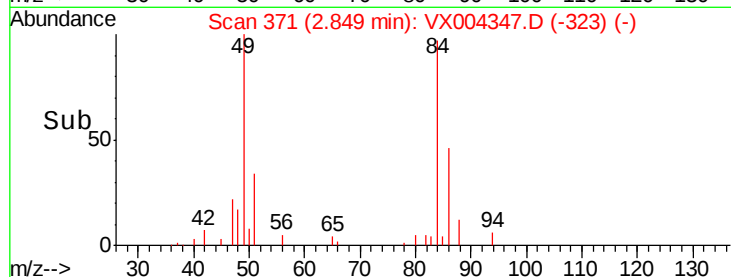
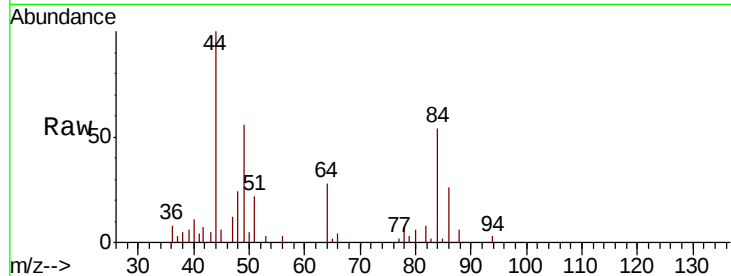




#20
Methylene Chloride
Concen: 0.70 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX004347.D
Acq: 04 Sep 2018 15:18

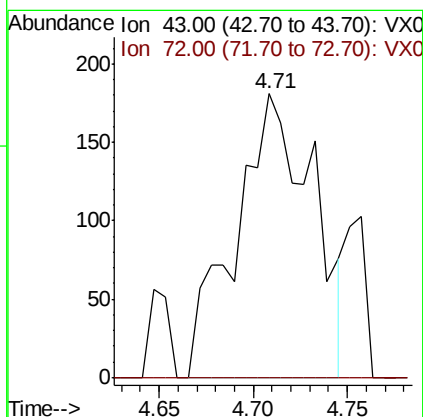
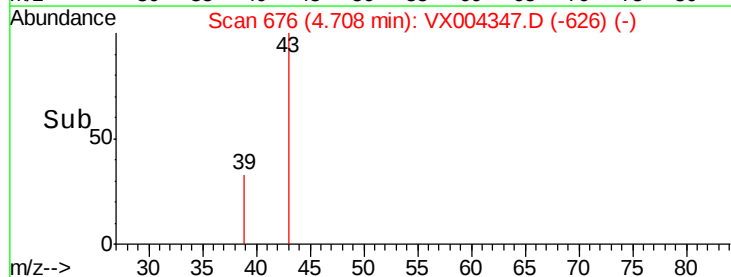
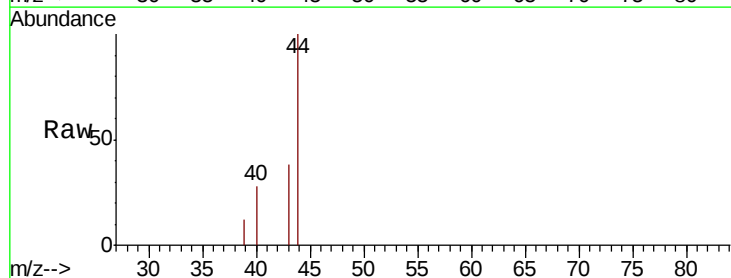
Instrument :
MSVOA_X
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STORAGEBLANK-SOILREF-5

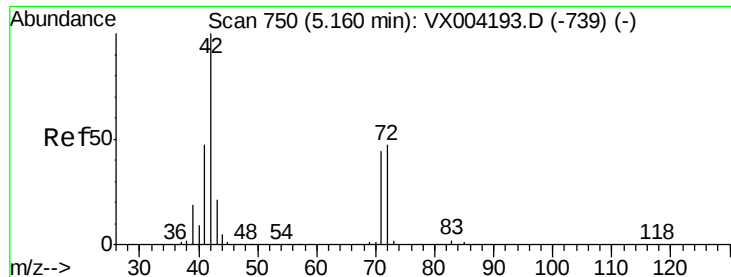
Tot Ion: 84 Resp: 2348
Ion Ratio Lower Upper
84 100
49 103.1 101.2 151.8
51 35.7 29.5 44.3
86 47.7 52.3 78.5#



#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX004347.D
Acq: 04 Sep 2018 15:18

Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

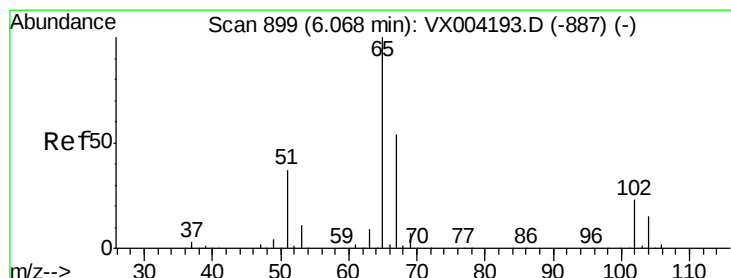
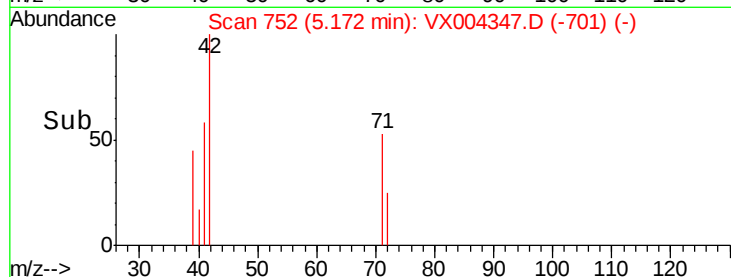
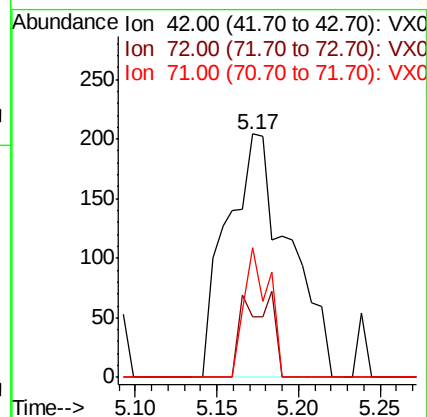
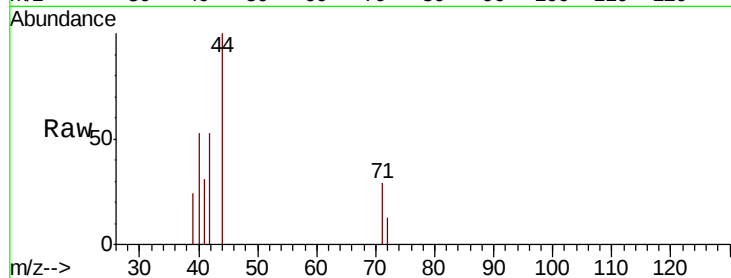
Tot Ion: 42 Resp: 541

Ion Ratio Lower Upper

42 100

72 16.5 37.4 56.0#

71 21.4 34.5 51.7#



#33

1,2-Dichloroethane-d4

Concen: 55.00 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004347.D

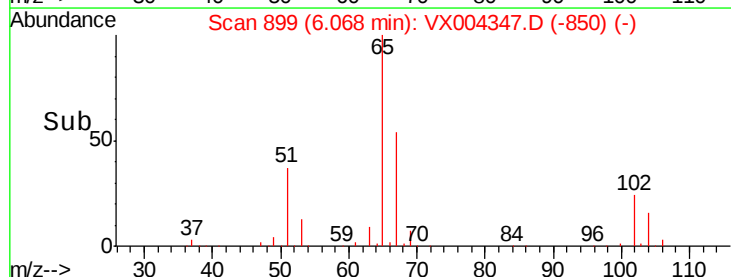
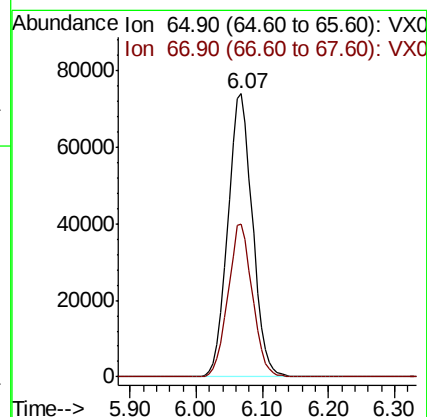
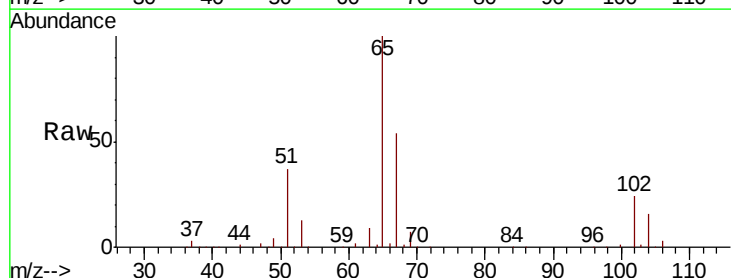
Acq: 04 Sep 2018 15:18

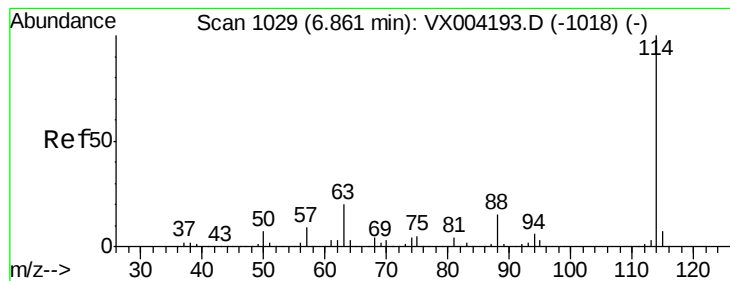
Tgt Ion: 65 Resp: 190571

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

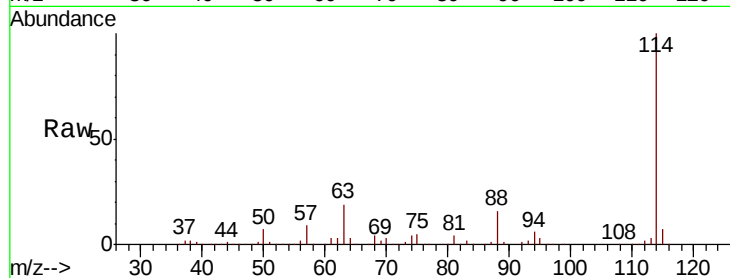
Tot Ion:114 Resp: 425586

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

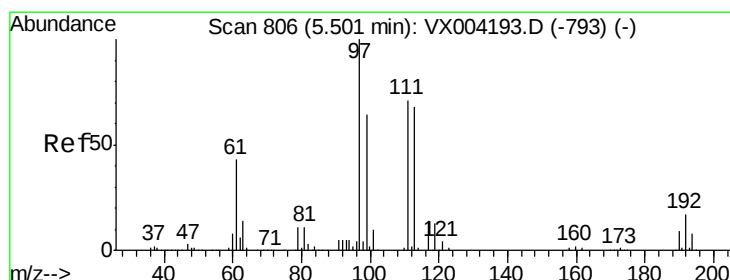
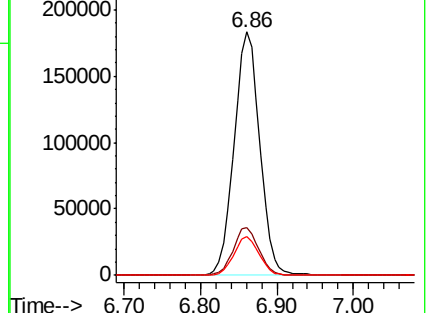
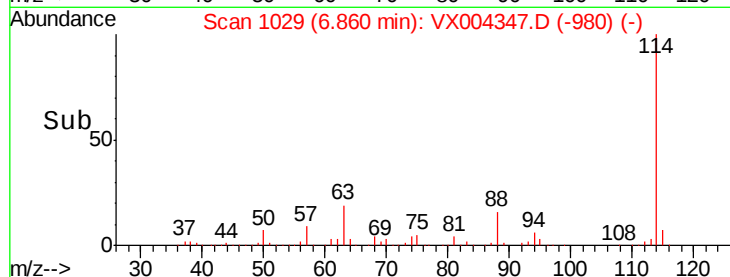
88 15.7 0.0 30.4



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: 52.99 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

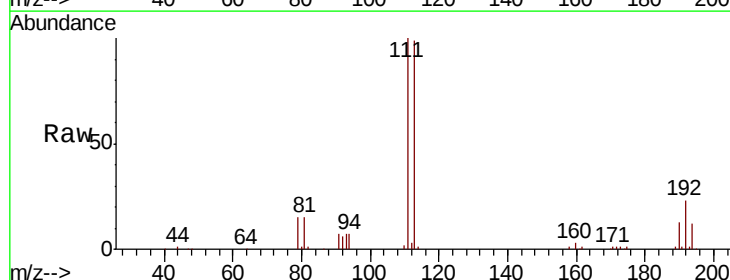
Tgt Ion:113 Resp: 167767

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

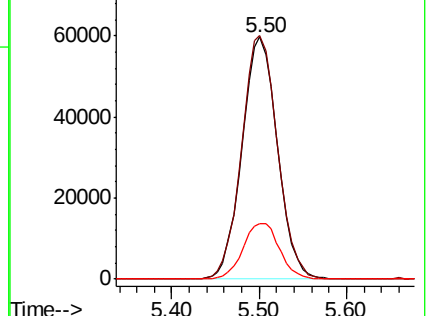
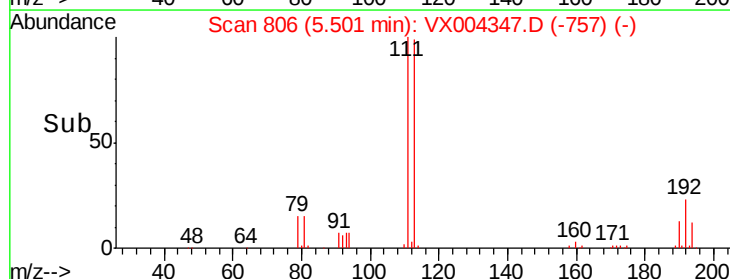
192 23.8 19.4 29.2

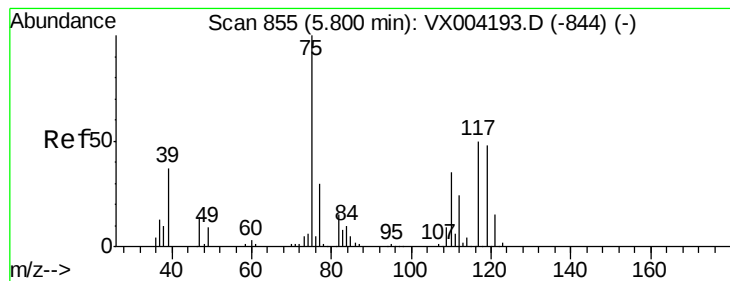


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.66 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.15 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

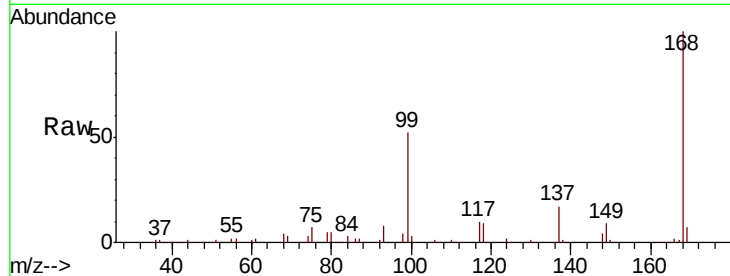
Tot Ion: 75 Resp: 17526

Ion Ratio Lower Upper

75 100

110 8.8 18.0 54.0#

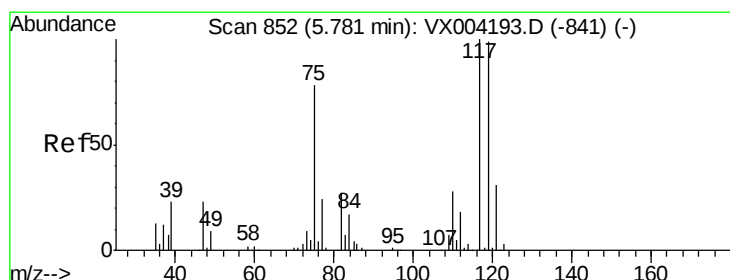
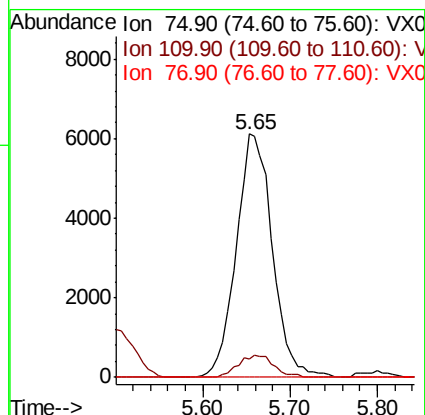
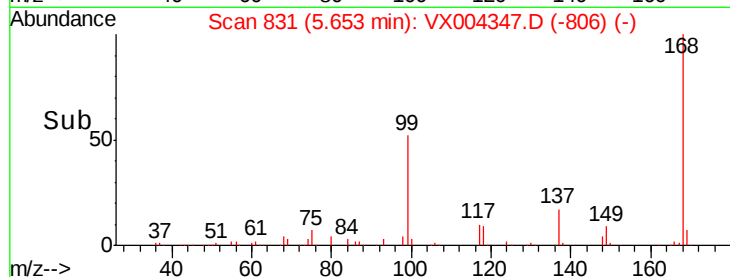
77 0.0 24.6 36.8#



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: 5.20 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

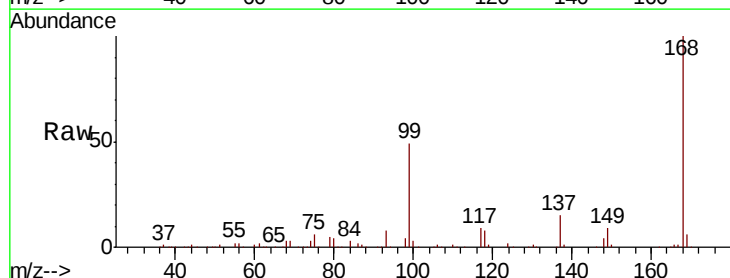
Tgt Ion: 117 Resp: 23391

Ion Ratio Lower Upper

117 100

119 6.6 78.8 118.2#

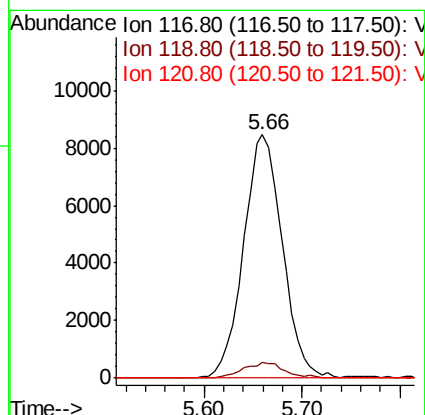
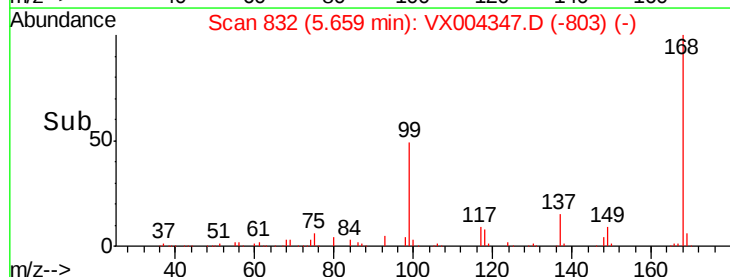
121 0.0 24.9 37.3#

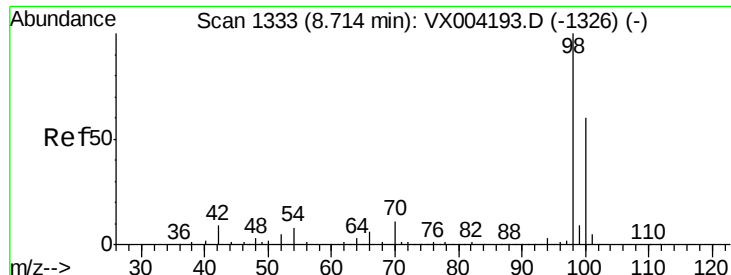


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.38 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

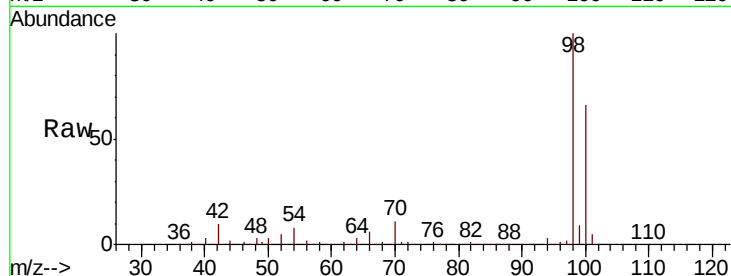
STORAGEBLANK-SOILREF-5

Tot Ion: 98 Resp: 614074

Ion Ratio Lower Upper

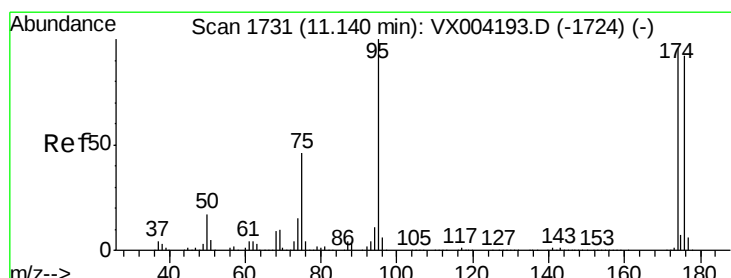
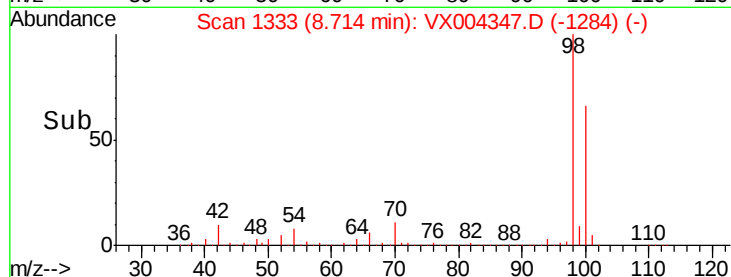
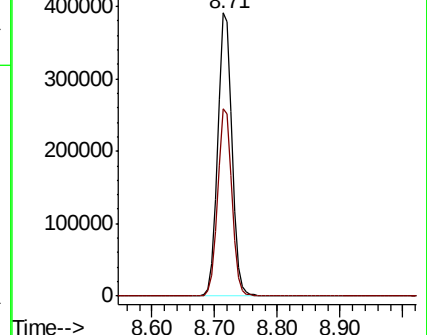
98 100

100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 49.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004347.D

Acq: 04 Sep 2018 15:18

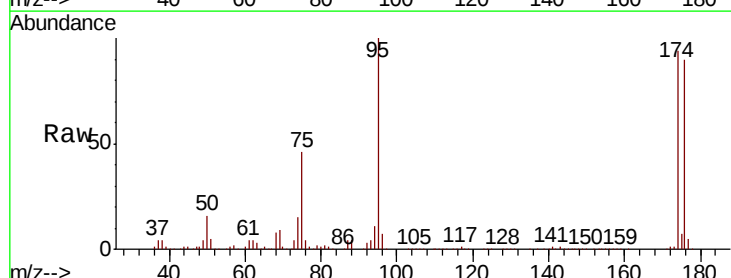
Tgt Ion: 95 Resp: 218679

Ion Ratio Lower Upper

95 100

174 92.7 0.0 185.2

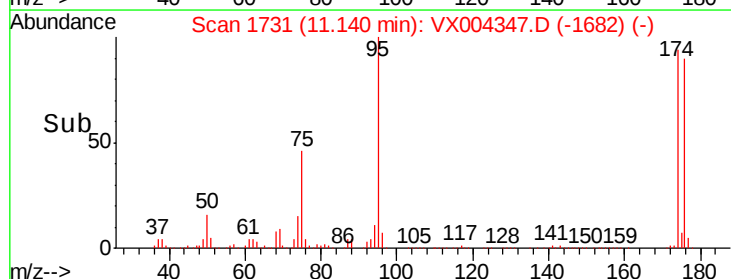
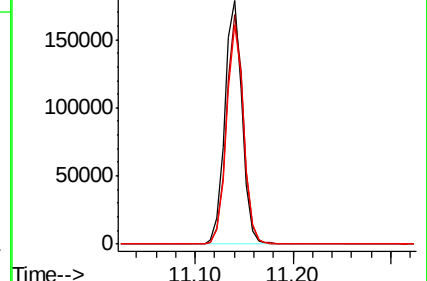
176 89.1 0.0 178.6

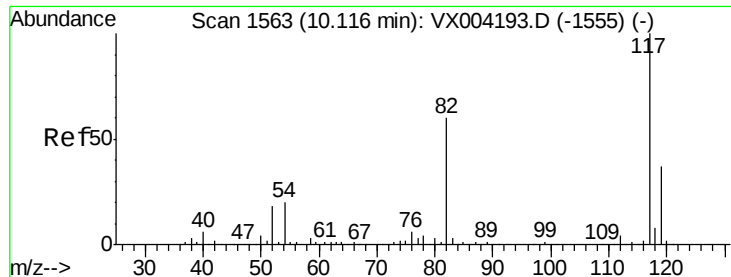


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

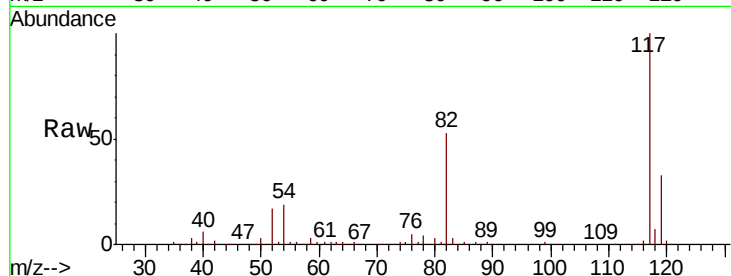




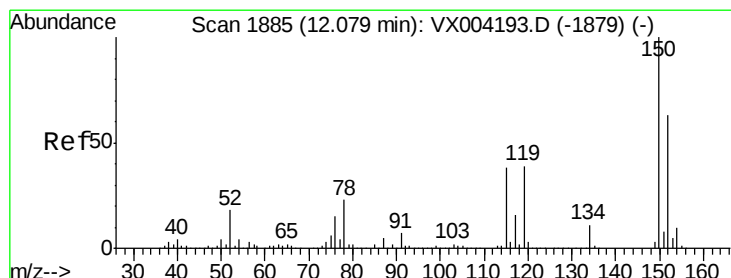
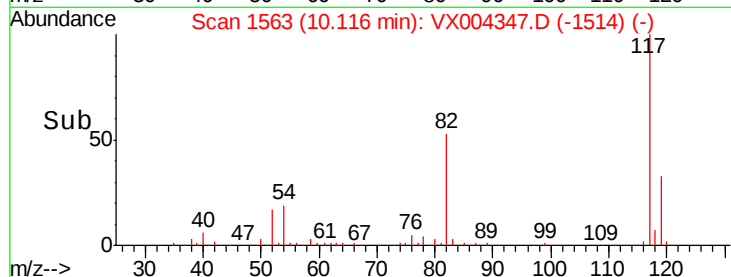
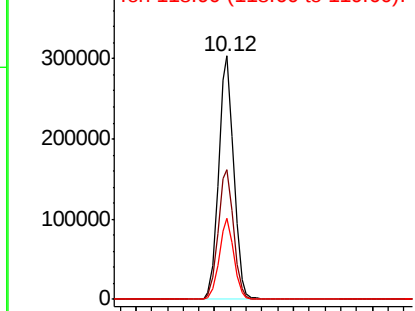
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004347.D
Acq: 04 Sep 2018 15:18

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

Tot Ion:117 Resp: 406584
Ion Ratio Lower Upper
117 100
82 53.4 47.8 71.6
119 33.3 29.3 43.9

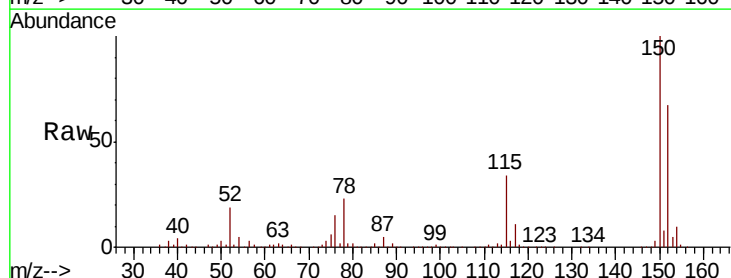


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

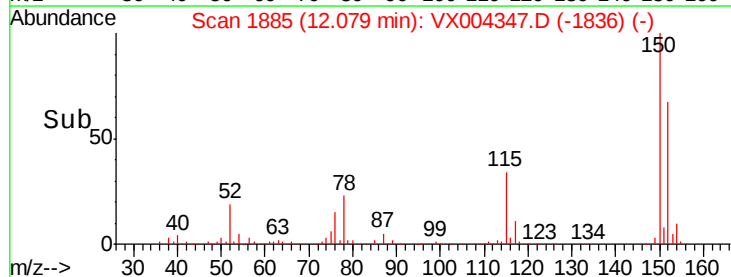
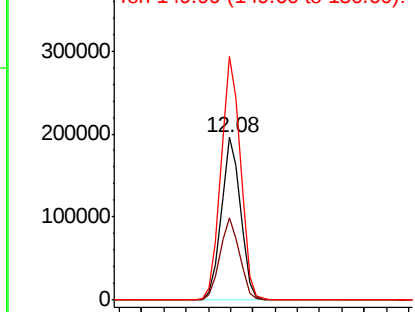


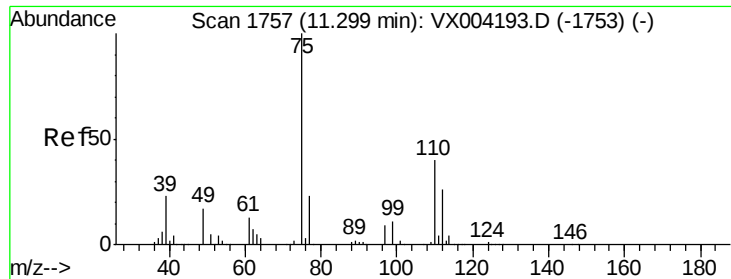
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004347.D
Acq: 04 Sep 2018 15:18

Tgt Ion:152 Resp: 233231
Ion Ratio Lower Upper
152 100
115 51.6 39.0 117.0
150 152.9 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

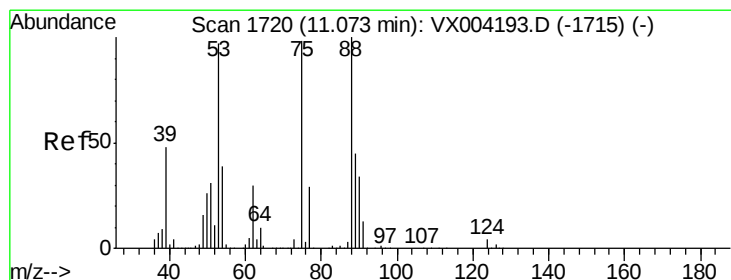
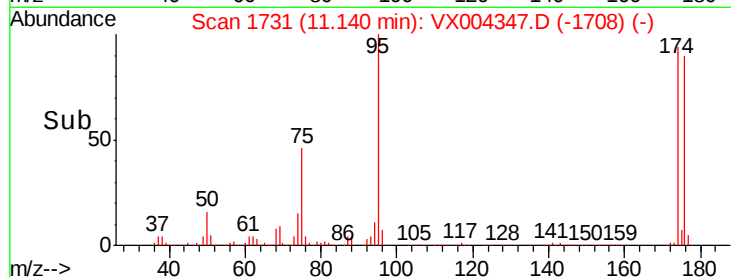
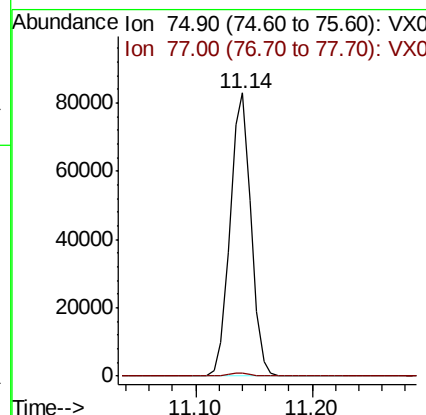
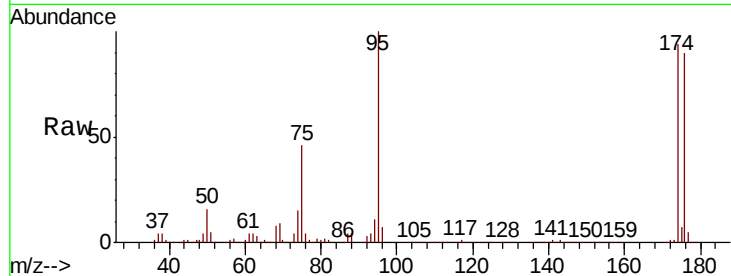




#76
 1,2,3-Trichloropropane
 Concen: 21.73 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004347.D
 Acq: 04 Sep 2018 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-5

Tot Ion: 75 Resp: 103064
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.50 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.07 min
 Lab File: VX004347.D
 Acq: 04 Sep 2018 15:18

Tgt Ion: 75 Resp: 103064
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

