

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\
 Data File : VX017040.D
 Acq On : 30 Jun 2020 13:23
 Operator : JC/SP
 Sample : L3141-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-4

Quant Time: Jul 01 08:04:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	240809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	413419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222295	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	155732	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
35) Dibromofluoromethane	5.47	113	137091	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	8.70	98	505691	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.12	95	207109	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	

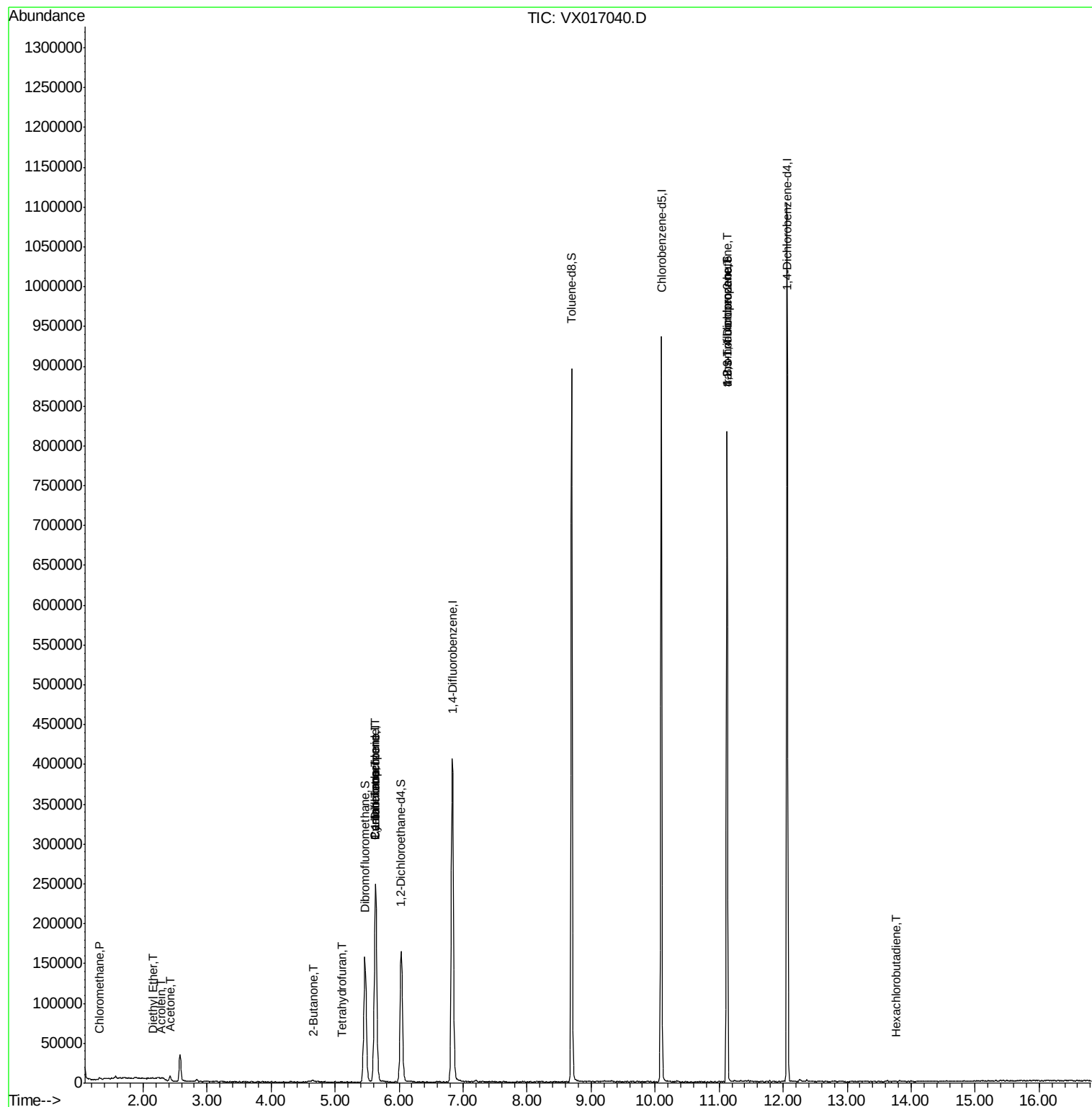
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1236	0.438	ug/l	92
8) Diethyl Ether	2.16	74	24	0.384	ug/l #	1
13) Acrolein	2.28	56	225	0.665	ug/l #	1
16) Acetone	2.42	43	6325	5.695	ug/l	89
20) Methylene Chloride	2.84	84	1016	Below Cal	#	79
25) 2-Butanone	4.66	43	498	0.269	ug/l #	49
29) Tetrahydrofuran	5.12	42	320	0.262	ug/l #	33
31) Cyclohexane	5.63	56	4823	1.203	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17758	4.545	ug/l #	51
38) Carbon Tetrachloride	5.64	117	23249	5.402	ug/l #	16
44) Trichloroethene	7.18	130	625	Below Cal		83
76) 1,2,3-Trichloropropane	11.12	75	102387	23.423	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102387	60.656	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	842	Below Cal	#	11
94) Hexachlorobutadiene	13.77	225	63	0.879	ug/l #	14

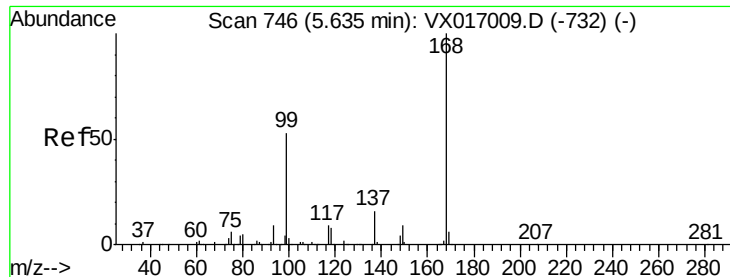
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063020\
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Quant Time: Jul 01 08:04:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

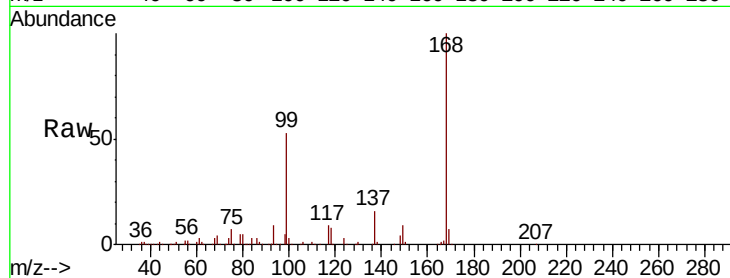
STORAGE-BLANK-SOIL-REF-4

Tot Ion:168 Resp: 240809

Ion Ratio Lower Upper

168 100

99 52.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

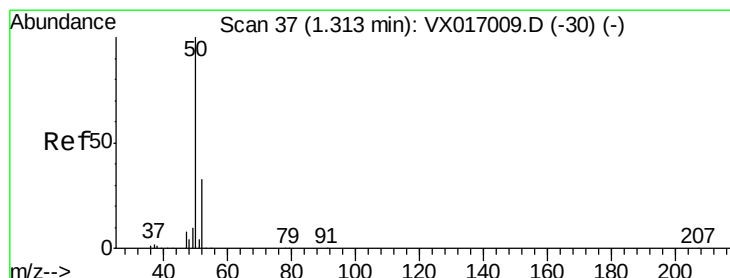
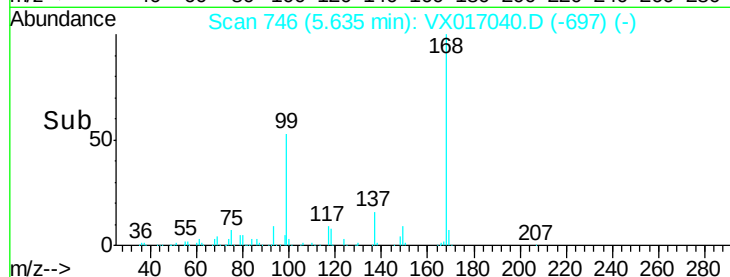
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.438 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017040.D

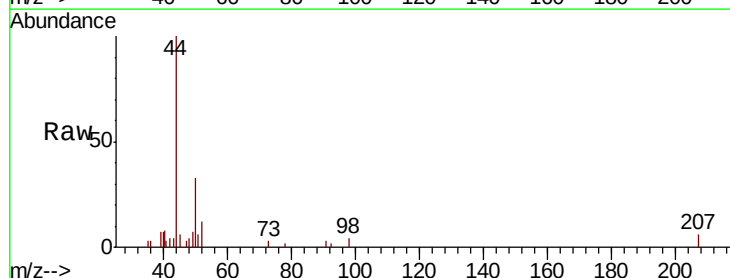
Acq: 30 Jun 2020 13:23

Tgt Ion: 50 Resp: 1236

Ion Ratio Lower Upper

50 100

52 36.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

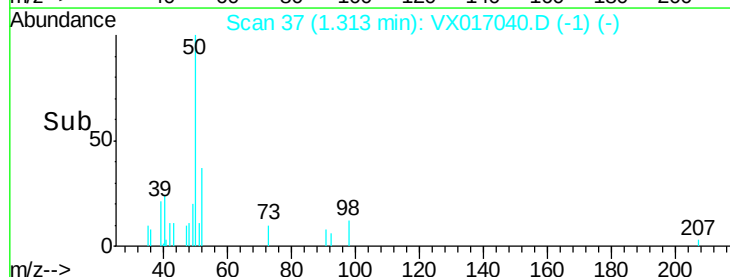
600

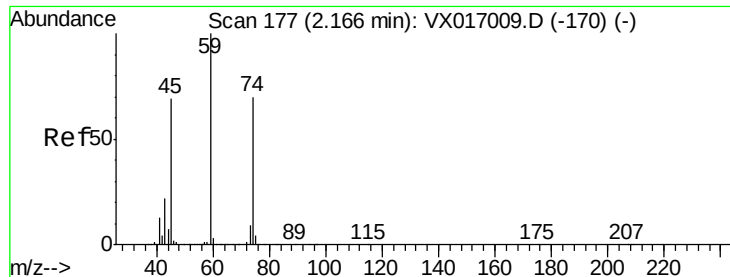
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.384 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

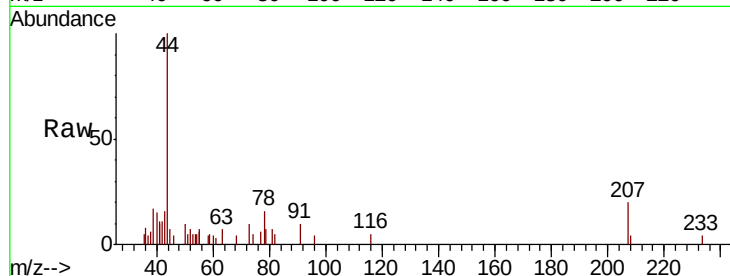
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 74 Resp: 24

Ion Ratio Lower Upper

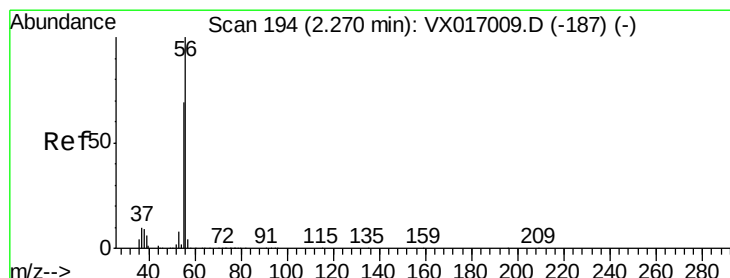
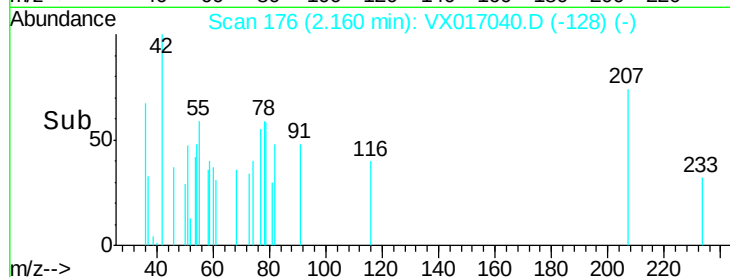
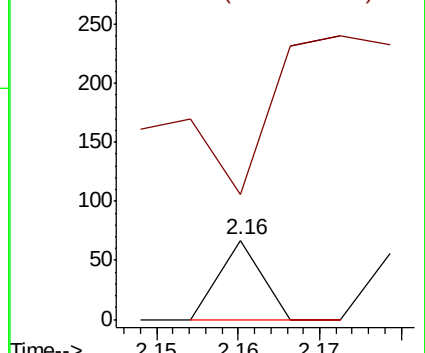
74 100

45 0.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#13

Acrolein

Concen: 0.665 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017040.D

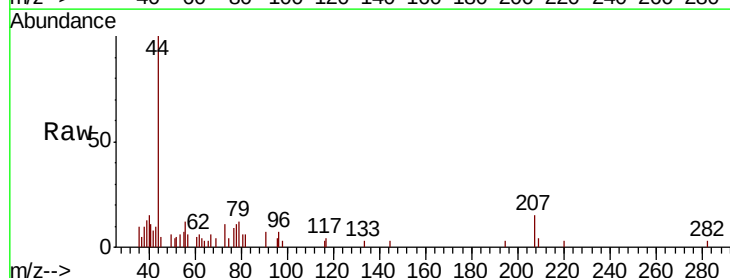
Acq: 30 Jun 2020 13:23

Tgt Ion: 56 Resp: 225

Ion Ratio Lower Upper

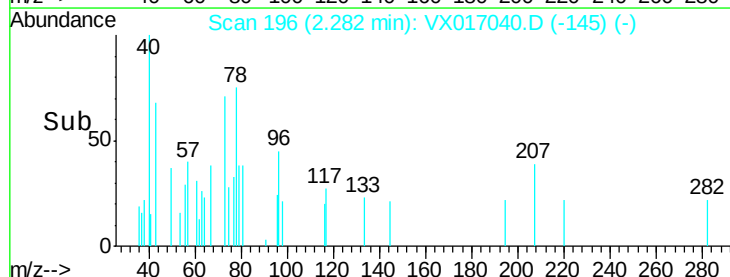
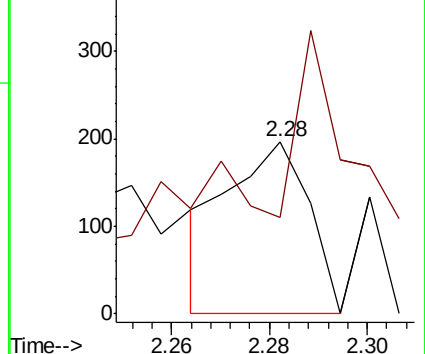
56 100

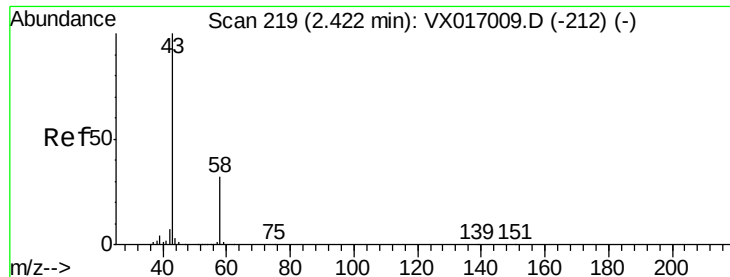
55 236.4 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.695 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

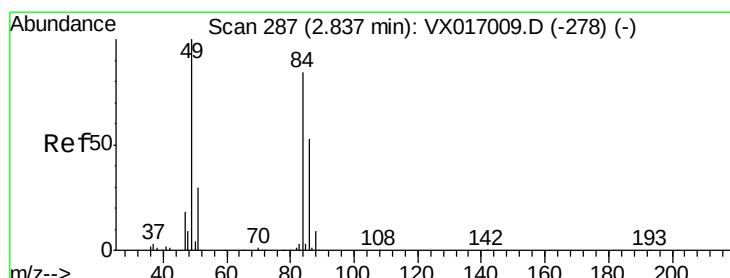
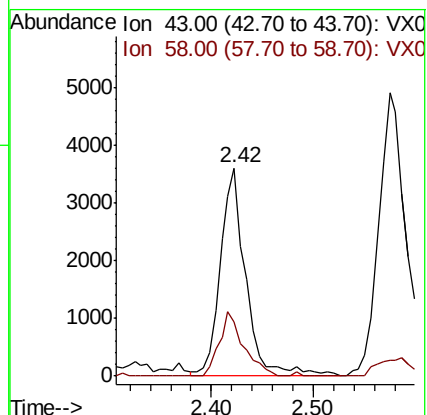
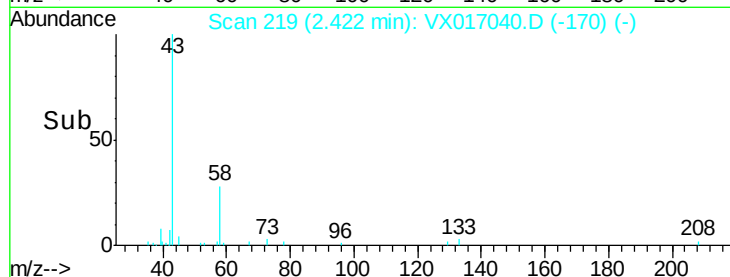
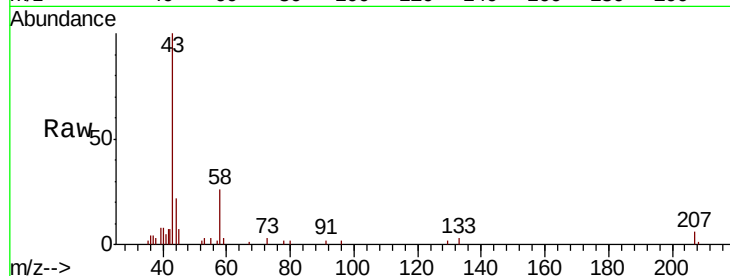
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 43 Resp: 6325

Ion Ratio Lower Upper

43 100

58 26.0 25.7 38.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Tgt Ion: 84 Resp: 1016

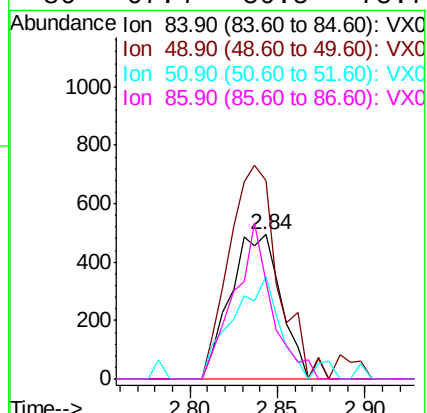
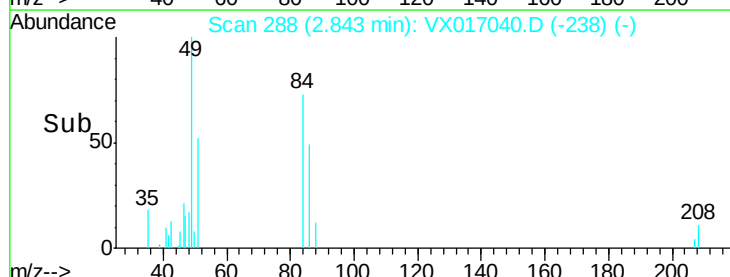
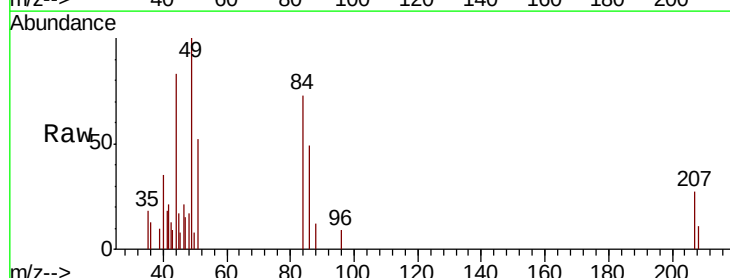
Ion Ratio Lower Upper

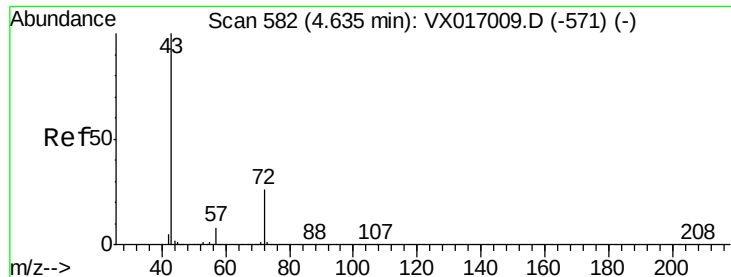
84 100

49 137.2 94.7 142.1

51 71.3 28.6 42.8#

86 67.4 50.5 75.7





#25

2-Butanone

Concen: 0.269 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

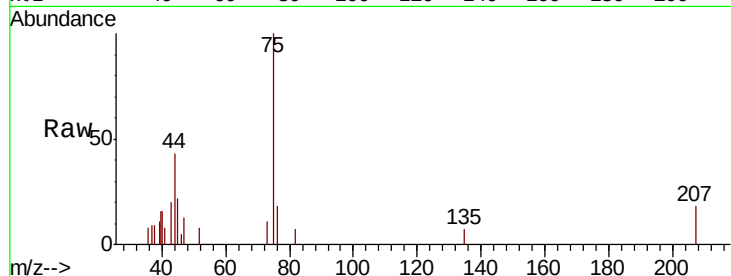
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 43 Resp: 498

Ion Ratio Lower Upper

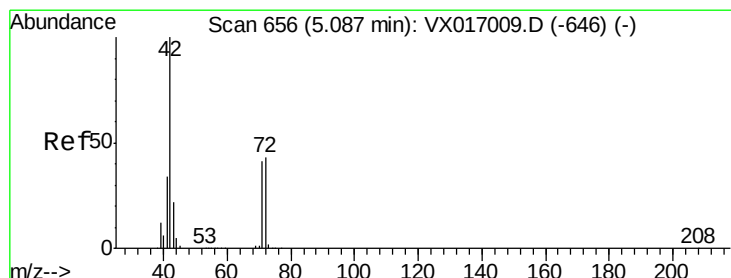
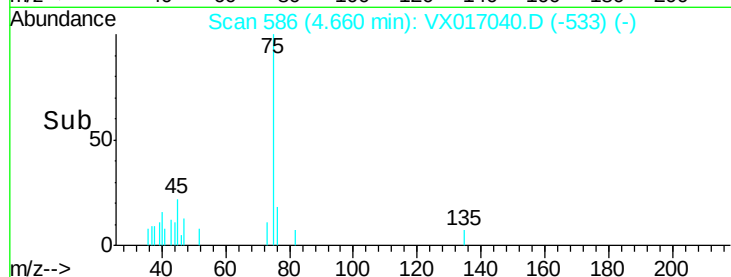
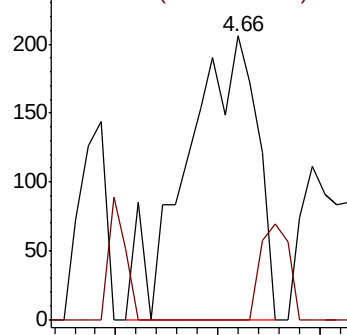
43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.262 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.03 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

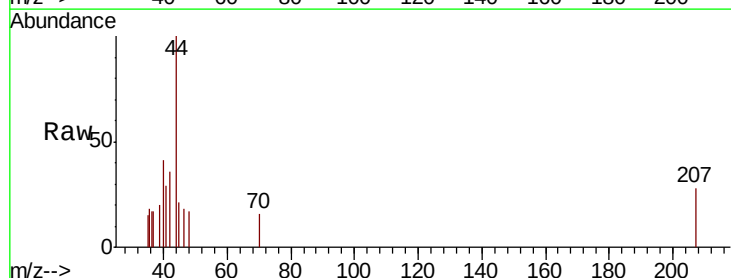
Tgt Ion: 42 Resp: 320

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

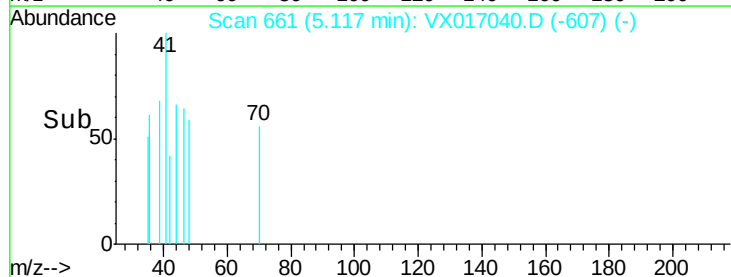
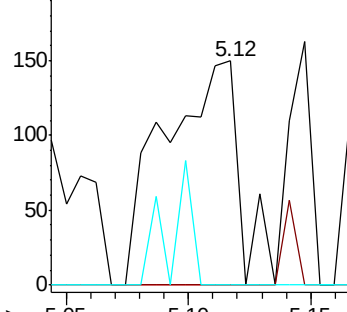
71 0.0 33.1 49.7#

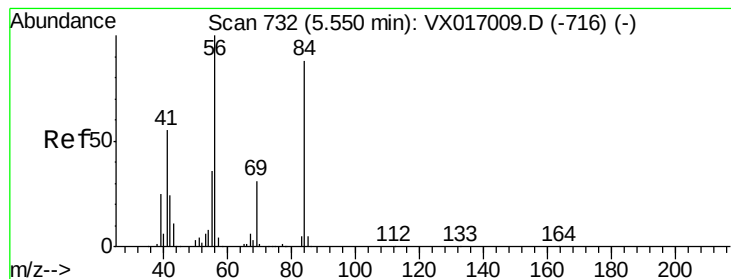


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.203 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

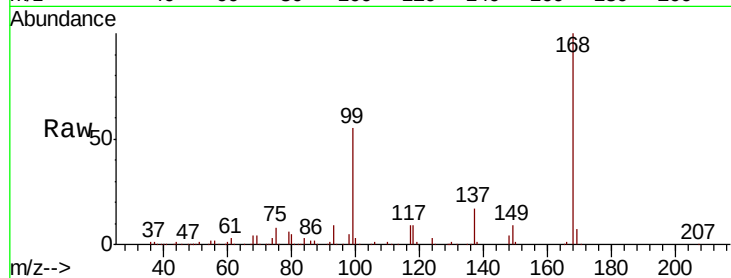
Tot Ion: 56 Resp: 4823

Ion Ratio Lower Upper

56 100

69 180.9 25.0 37.4#

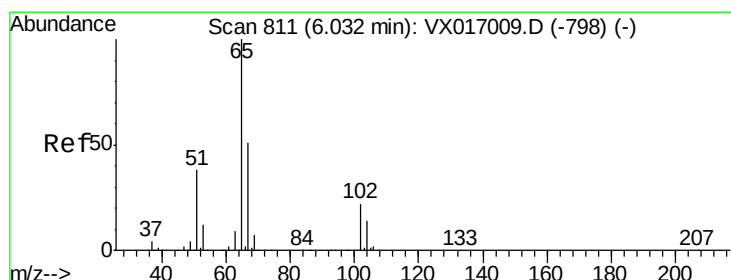
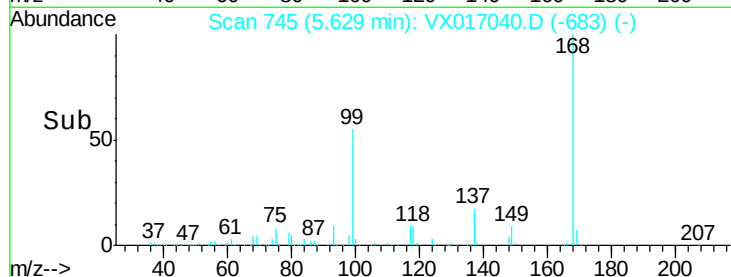
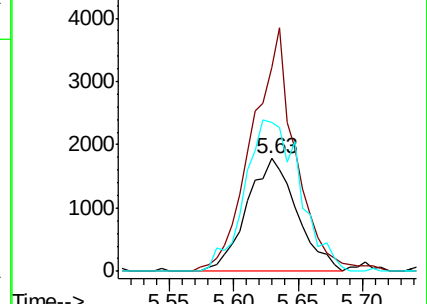
84 132.6 69.1 103.7#



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: 52.458 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017040.D

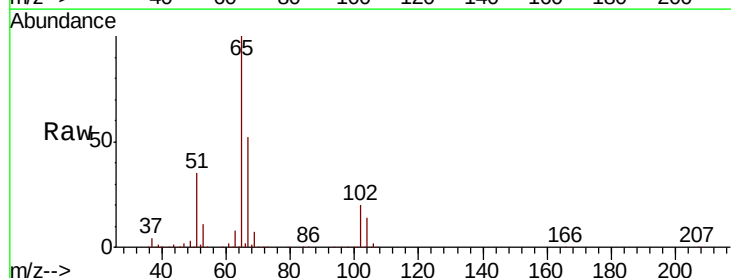
Acq: 30 Jun 2020 13:23

Tgt Ion: 65 Resp: 155732

Ion Ratio Lower Upper

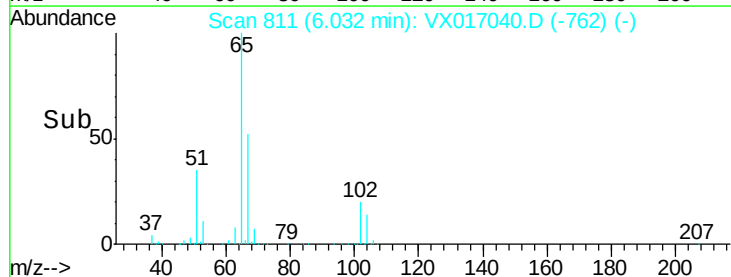
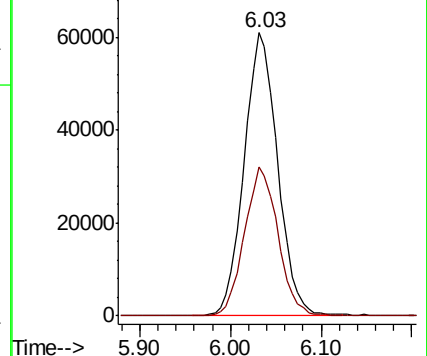
65 100

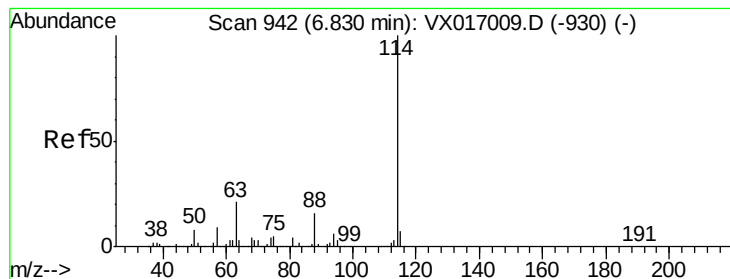
67 52.9 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

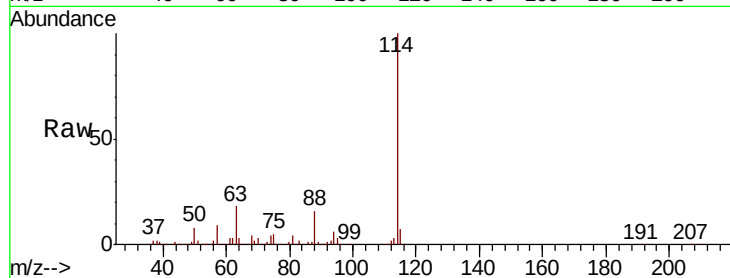
Tot Ion:114 Resp: 413419

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.4

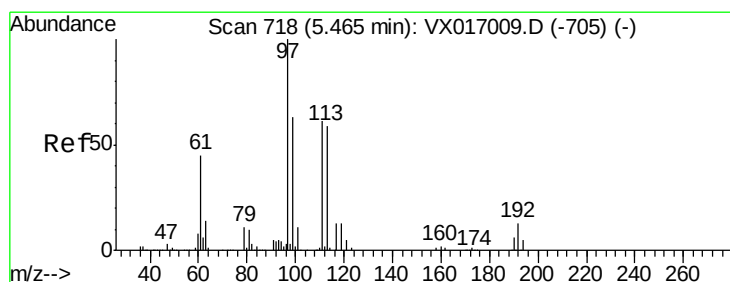
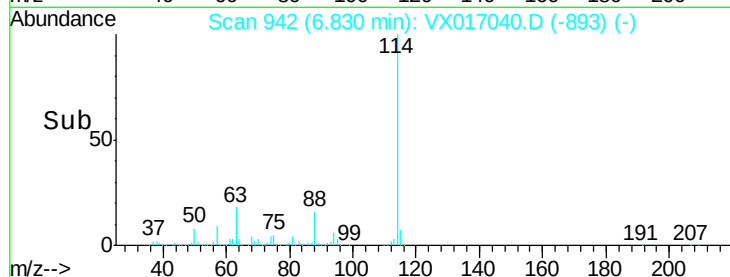
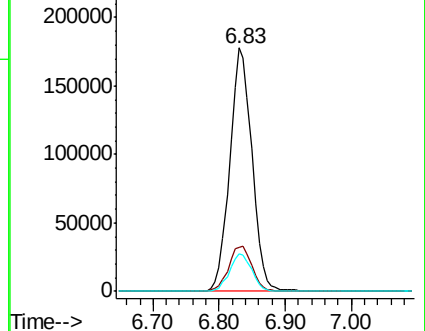
88 15.6 0.0 32.4



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: 52.422 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

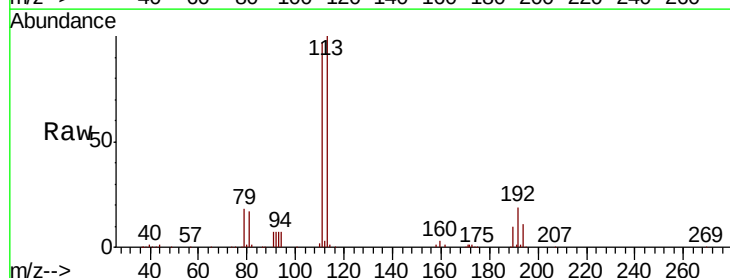
Tgt Ion:113 Resp: 137091

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

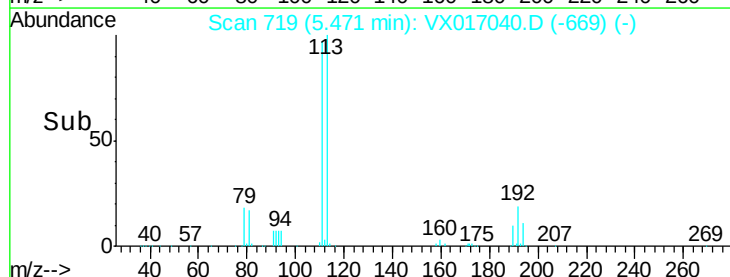
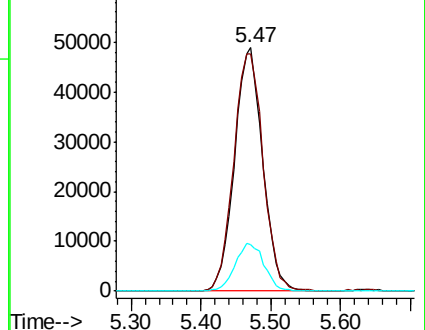
192 20.3 16.7 25.1

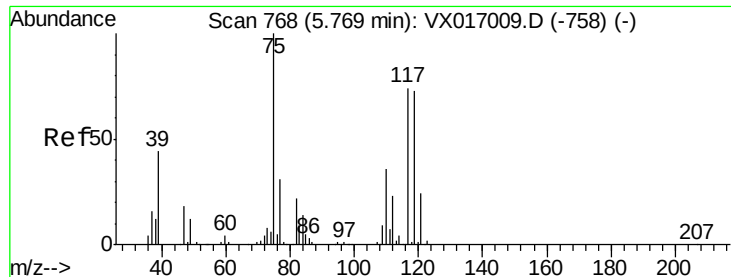


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

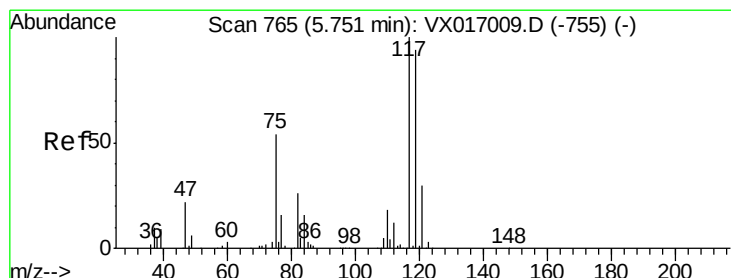
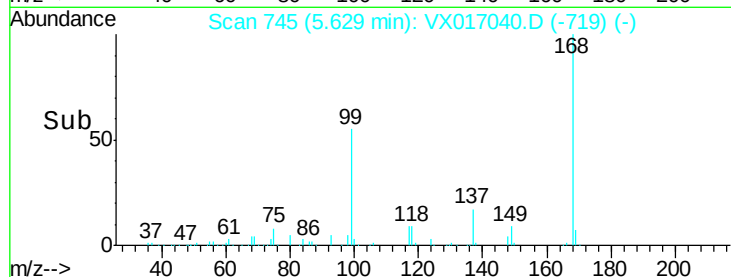
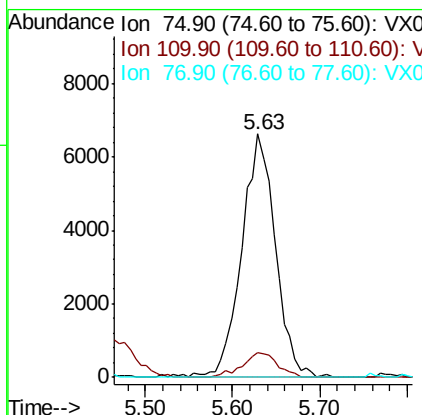
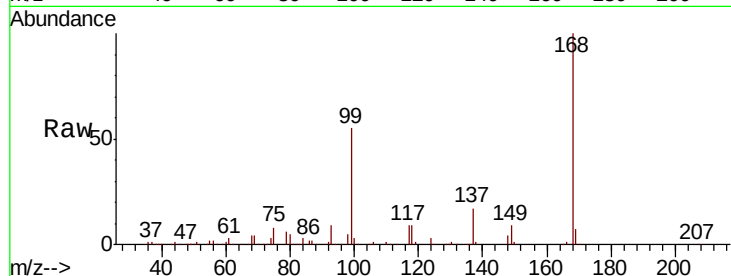




#36
 1,1-Dichloropropene
 Concen: 4.545 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017040.D
 Acq: 30 Jun 2020 13:23

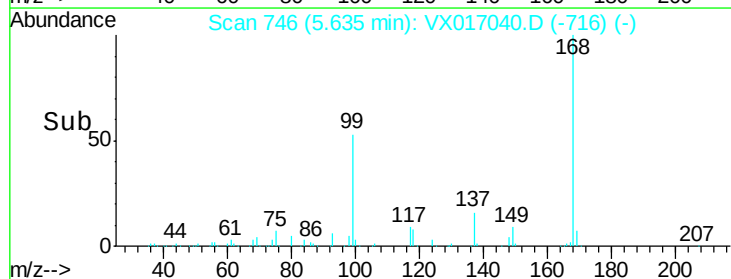
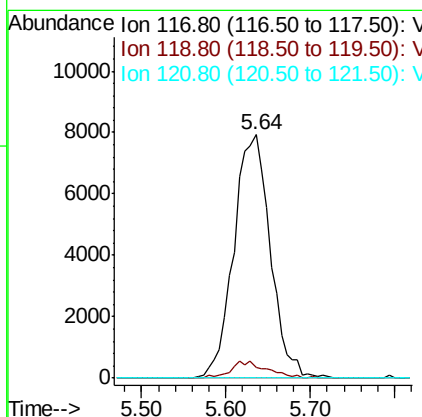
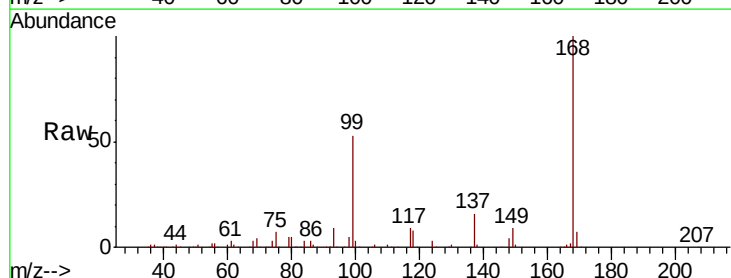
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-4

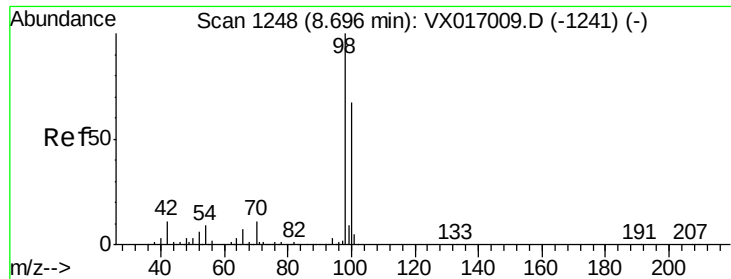
Tot Ion: 75 Resp: 17758
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.402 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX017040.D
 Acq: 30 Jun 2020 13:23

Tgt Ion: 117 Resp: 23249
 Ion Ratio Lower Upper
 117 100
 119 4.4 75.4 113.0#
 121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 52.293 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

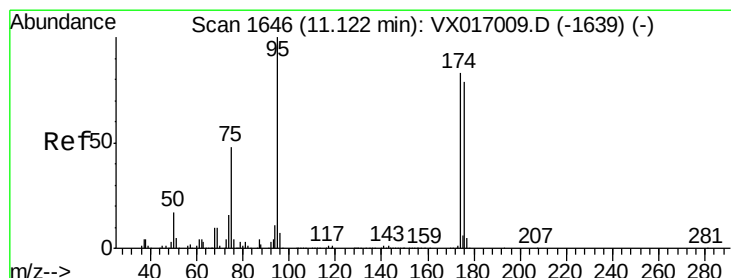
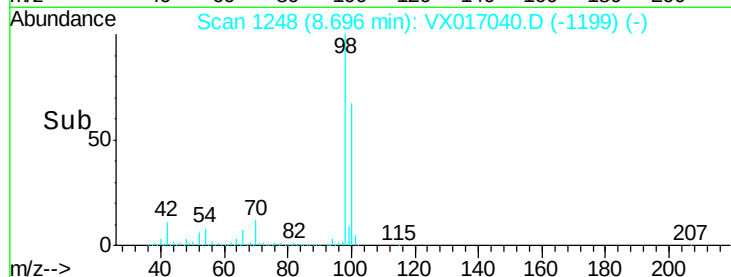
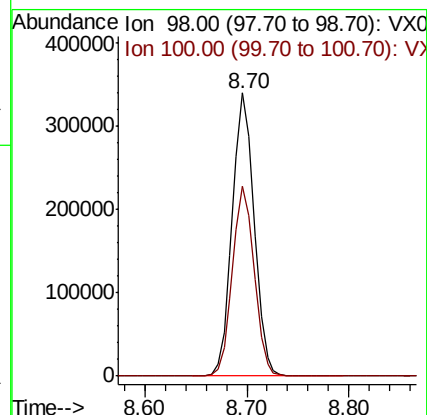
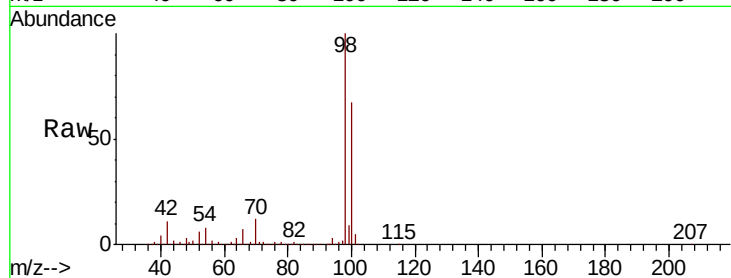
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 98 Resp: 505691

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.787 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

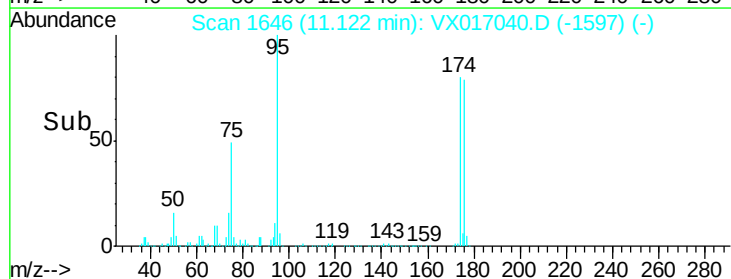
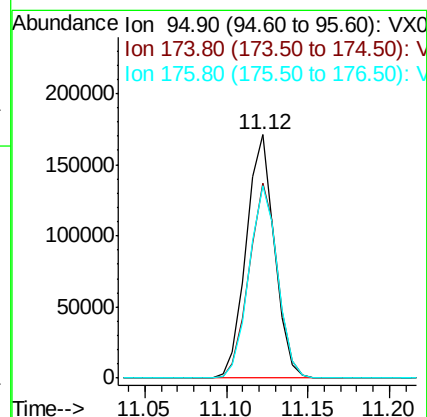
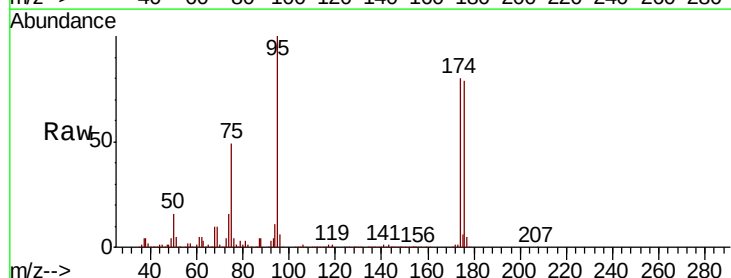
Tgt Ion: 95 Resp: 207109

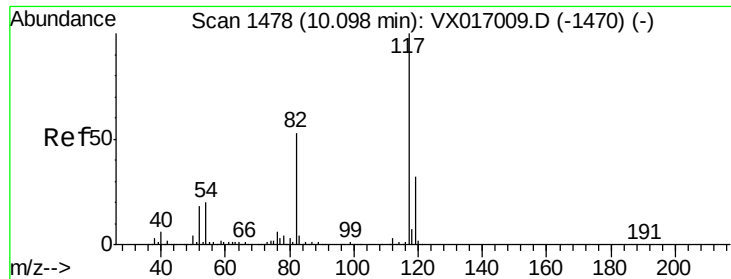
Ion Ratio Lower Upper

95 100

174 81.2 0.0 164.0

176 80.6 0.0 157.6

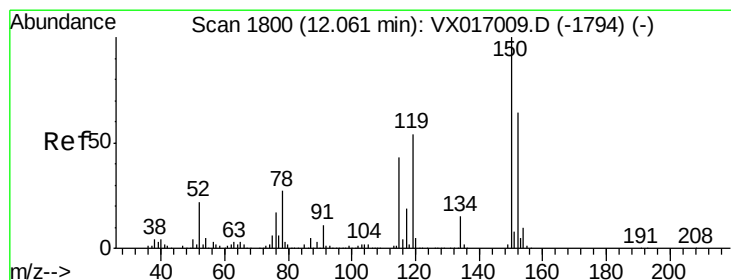
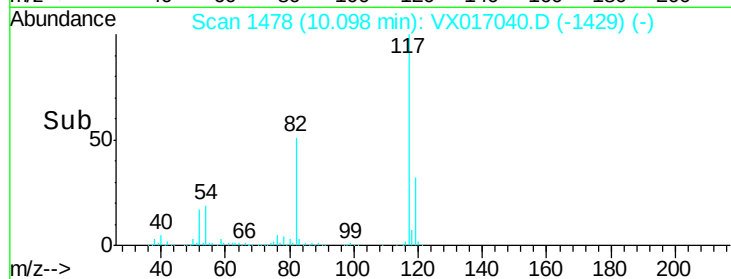
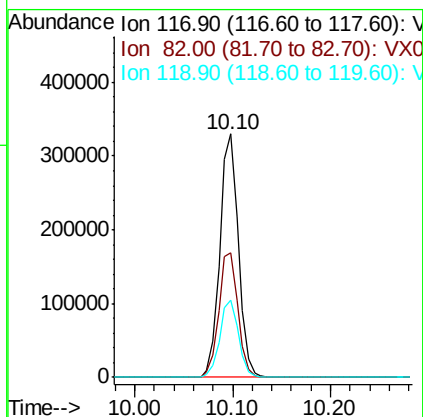
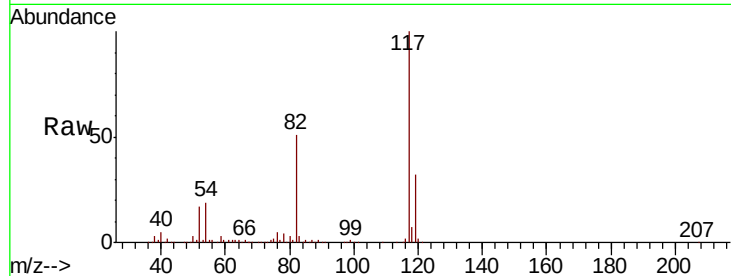




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017040.D
Acq: 30 Jun 2020 13:23

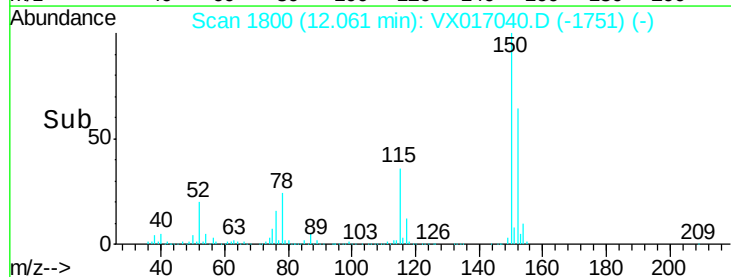
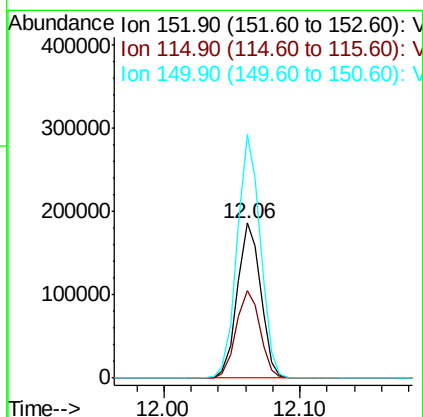
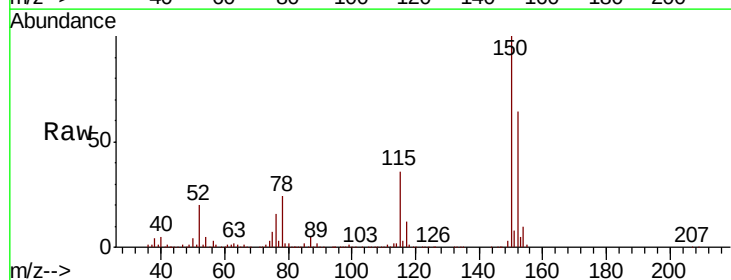
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

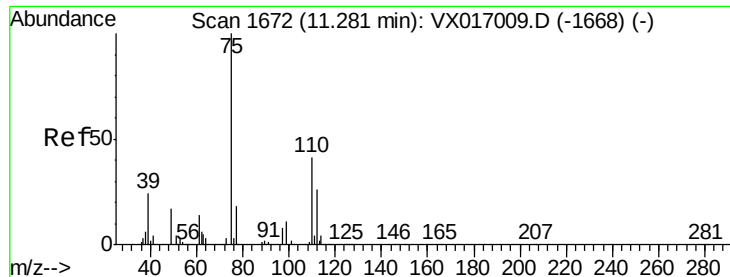
Tot Ion:117 Resp: 432136
Ion Ratio Lower Upper
117 100
82 51.1 42.6 63.8
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017040.D
Acq: 30 Jun 2020 13:23

Tgt Ion:152 Resp: 222295
Ion Ratio Lower Upper
152 100
115 58.0 40.9 122.7
150 155.9 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.423 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

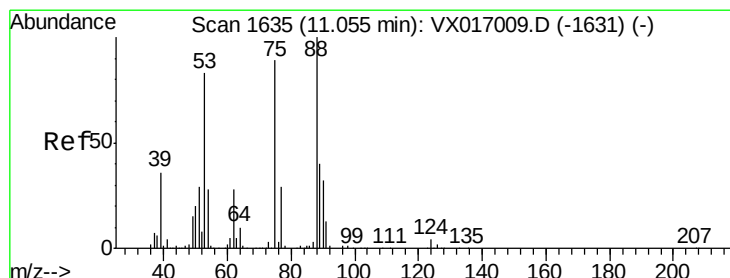
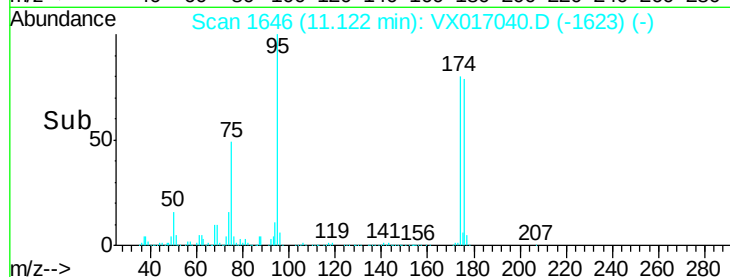
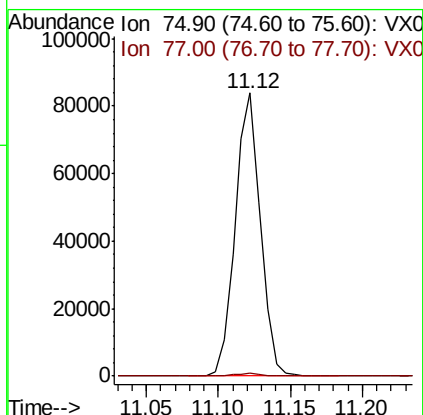
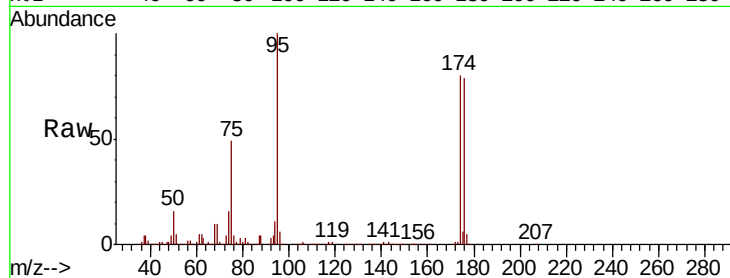
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 75 Resp: 102387

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.656 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

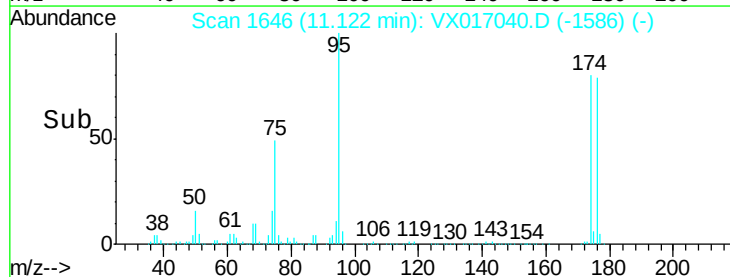
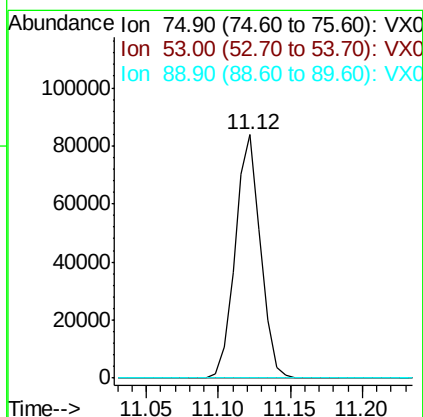
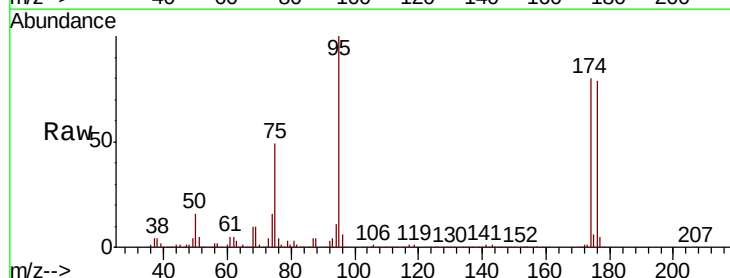
Tgt Ion: 75 Resp: 102387

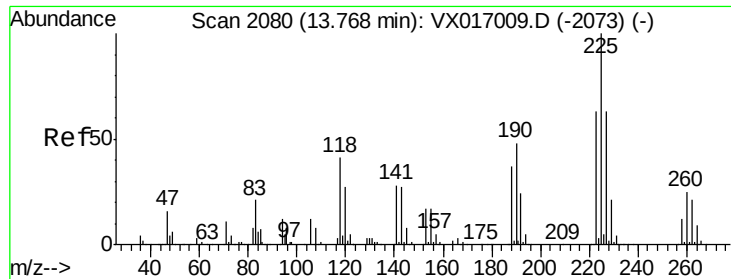
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.1 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.879 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

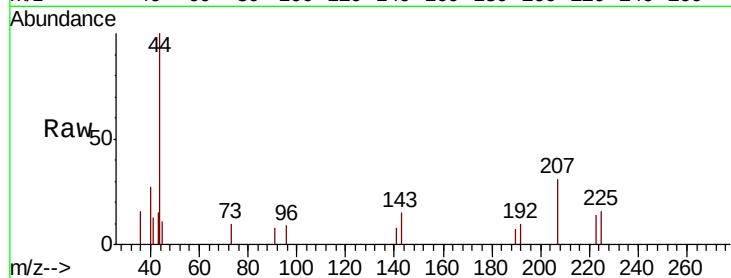
Tot Ion: 225 Resp: 63

Ion Ratio Lower Upper

225 100

223 134.9 32.5 97.5#

227 0.0 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

