

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\
 Data File : VX017039.D
 Acq On : 30 Jun 2020 13:00
 Operator : JC/SP
 Sample : L3141-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

Quant Time: Jul 01 08:04:33 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	5.63	168	241477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	413856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	421750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	157398	52.87	ug/l	0.00
Spiked Amount						
			Recovery	=	105.74%	
35) Dibromofluoromethane	5.46	113	136386	52.10	ug/l	0.00
Spiked Amount						
			Recovery	=	104.20%	
50) Toluene-d8	8.70	98	508631	52.54	ug/l	0.00
Spiked Amount						
			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	11.12	95	207453	54.82	ug/l	0.00
Spiked Amount						
			Recovery	=	109.64%	

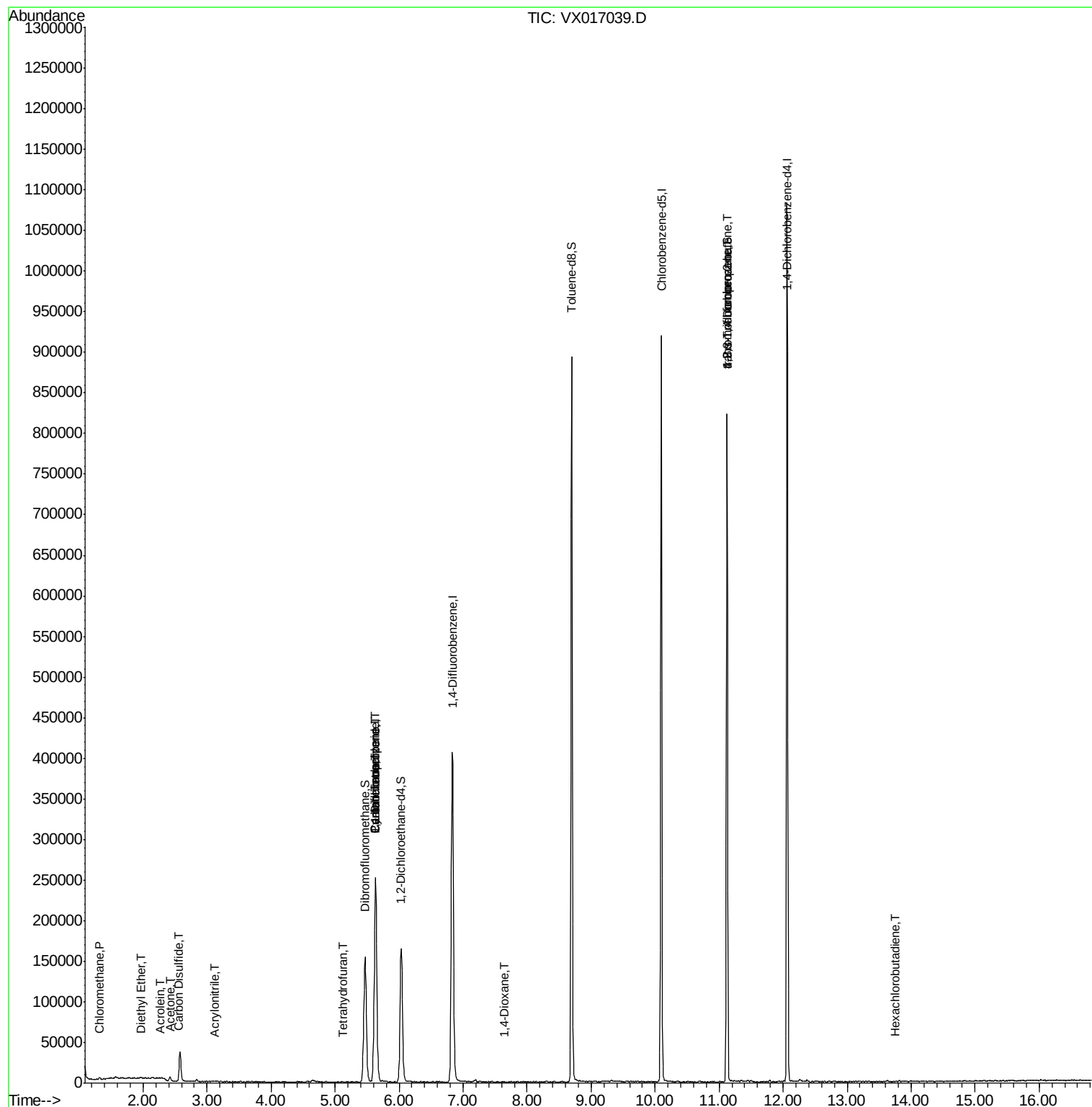
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1187	0.420	ug/l	92
8) Diethyl Ether	1.97	74	104	0.445	ug/l	58
13) Acrolein	2.27	56	400	1.178	ug/l #	52
15) Acrylonitrile	3.12	53	362	0.265	ug/l #	36
16) Acetone	2.42	43	5096	4.576	ug/l	91
17) Carbon Disulfide	2.55	76	1281	0.215	ug/l	95
20) Methylene Chloride	2.83	84	1074	Below Cal	#	81
29) Tetrahydrofuran	5.11	42	252	0.206	ug/l #	47
31) Cyclohexane	5.63	56	4965	1.235	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17418	4.453	ug/l #	51
38) Carbon Tetrachloride	5.64	117	23655	5.491	ug/l #	18
44) Trichloroethene	7.19	130	721	Below Cal		98
49) 1,4-Dioxane	7.65	88	57	0.803	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	102088	23.536	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102088	60.949	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	530	Below Cal		89
94) Hexachlorobutadiene	13.76	225	180	0.946	ug/l	90

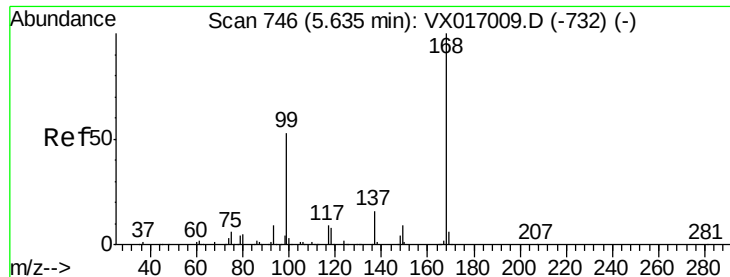
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGE-BLANK-SOIL-REF-5

Quant Time: Jul 01 08:04:33 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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

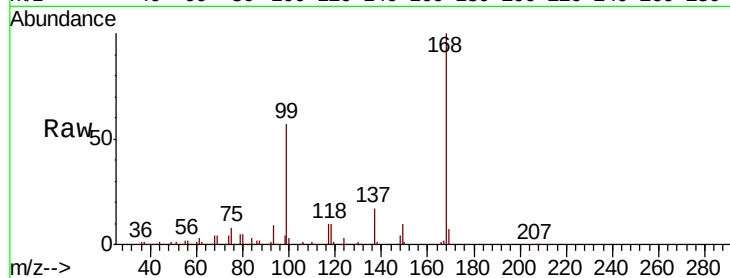
STORAGE-BLANK-SOIL-REF-5

Tot Ion:168 Resp: 241477

Ion Ratio Lower Upper

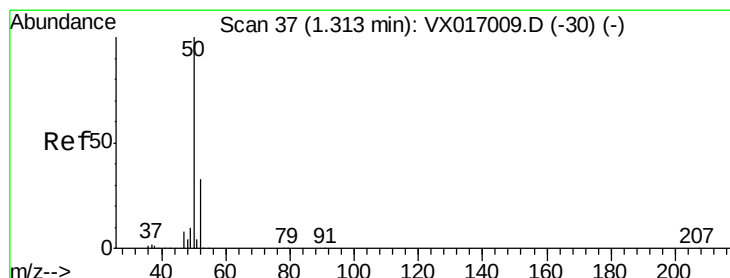
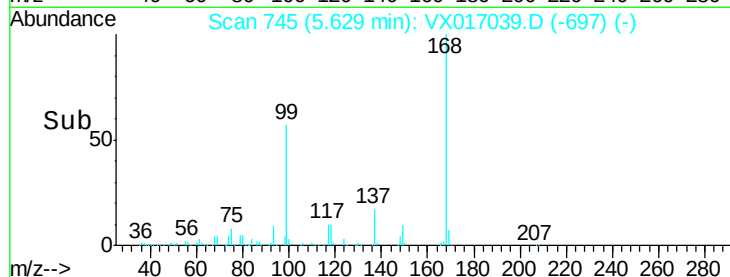
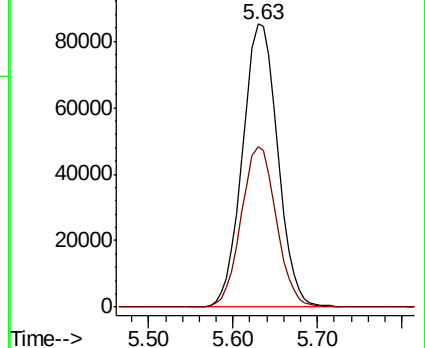
168 100

99 56.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.420 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017039.D

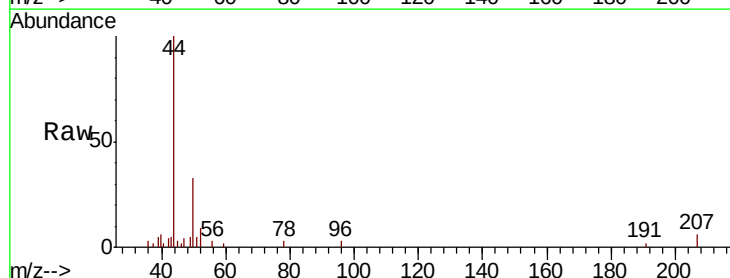
Acq: 30 Jun 2020 13:00

Tgt Ion: 50 Resp: 1187

Ion Ratio Lower Upper

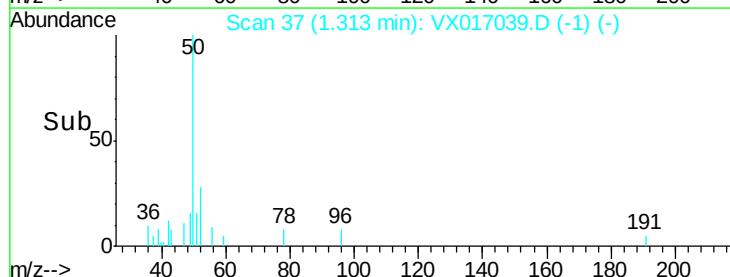
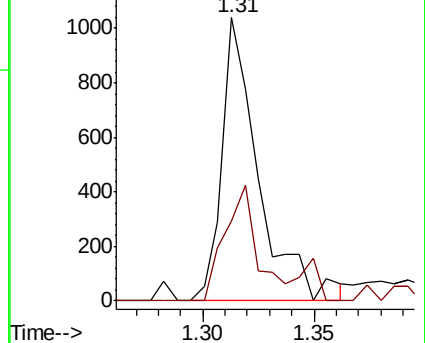
50 100

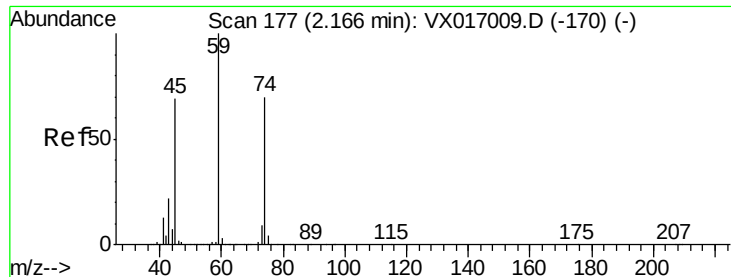
52 28.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.445 ug/l

RT: 1.97 min Scan# 144

Delta R.T. -0.20 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

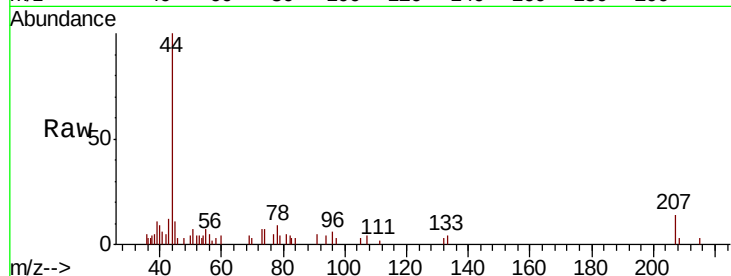
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 74 Resp: 104

Ion Ratio Lower Upper

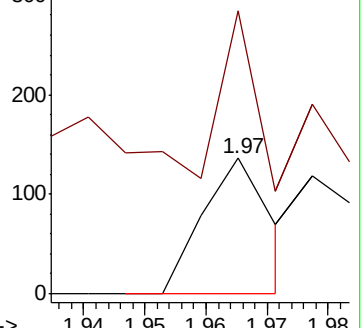
74 100

45 141.3 49.8 149.3

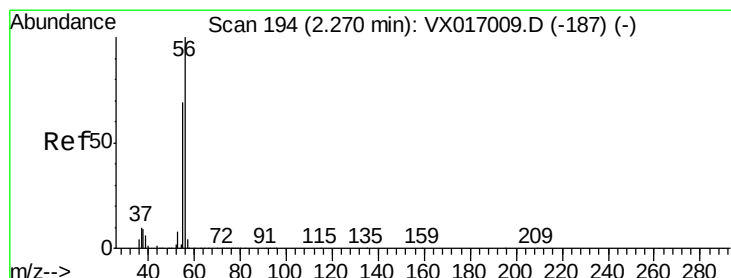
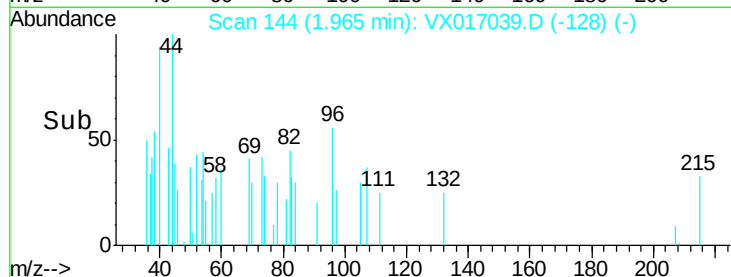


Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#13

Acrolein

Concen: 1.178 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX017039.D

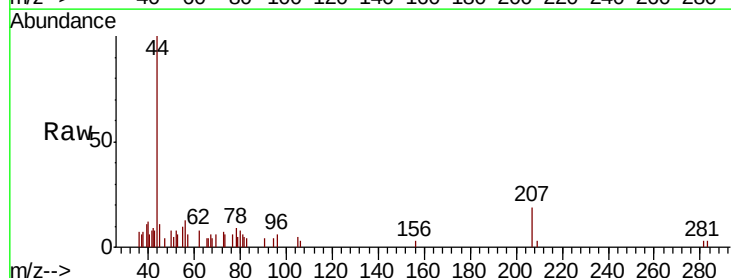
Acq: 30 Jun 2020 13:00

Tgt Ion: 56 Resp: 400

Ion Ratio Lower Upper

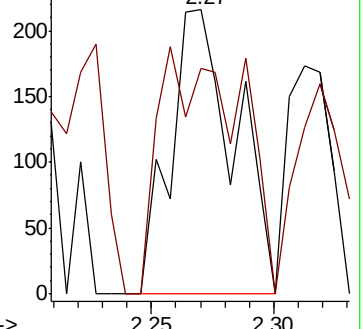
56 100

55 108.7 55.7 83.5#

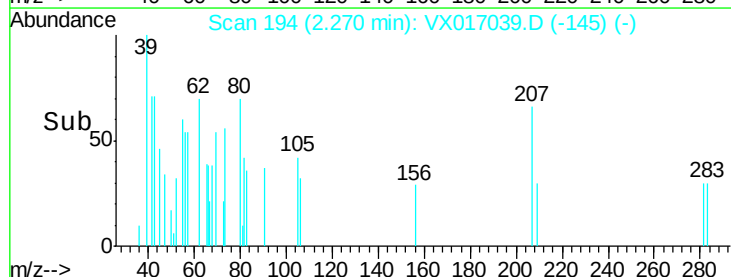


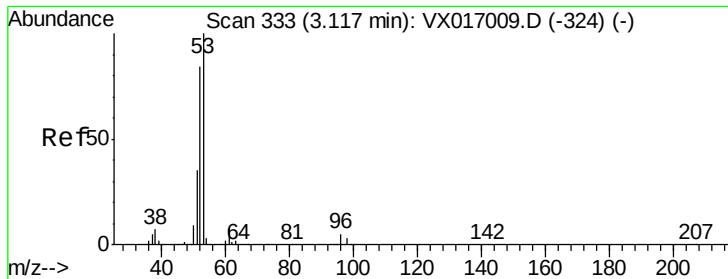
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->





#15

Acrylonitrile

Concen: 0.265 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

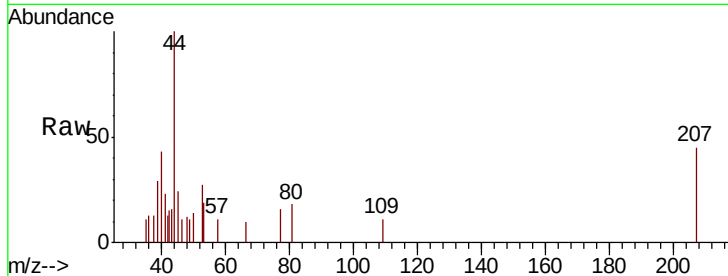
Tot Ion: 53 Resp: 362

Ion Ratio Lower Upper

53 100

52 22.9 65.6 98.4#

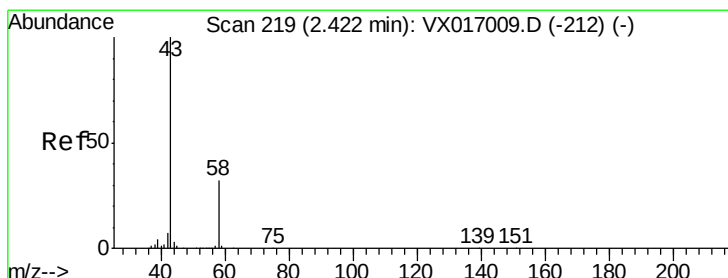
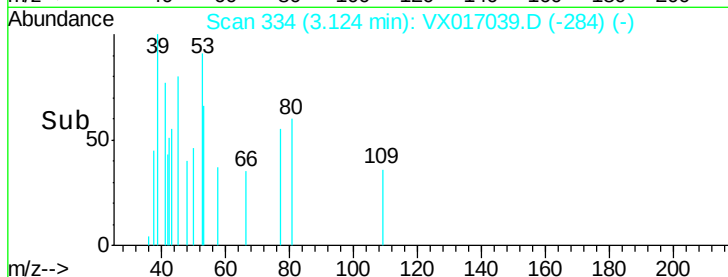
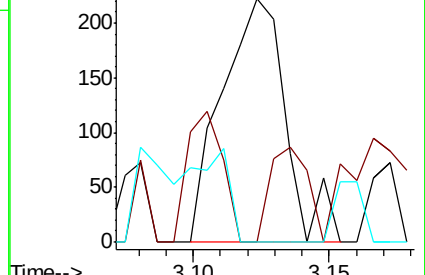
51 0.0 28.3 42.5#



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: 4.576 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017039.D

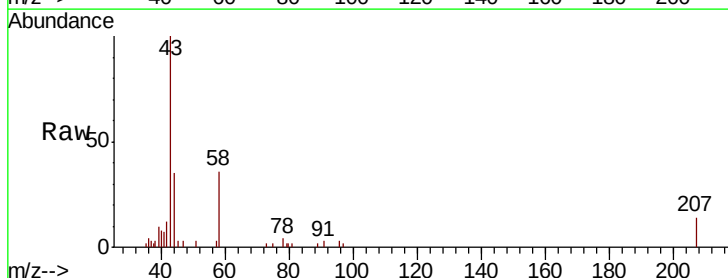
Acq: 30 Jun 2020 13:00

Tgt Ion: 43 Resp: 5096

Ion Ratio Lower Upper

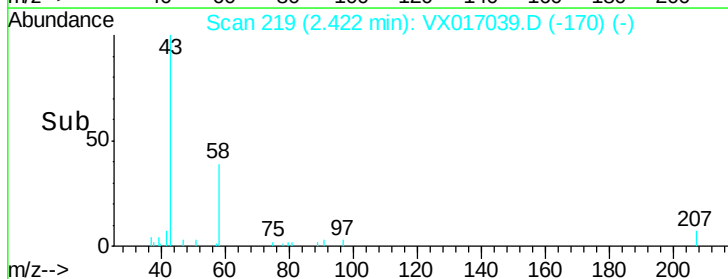
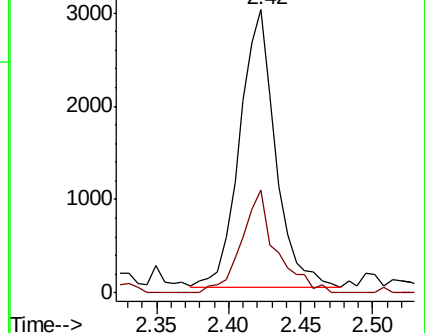
43 100

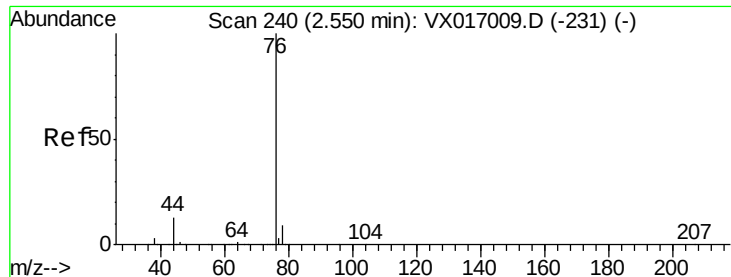
58 37.0 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

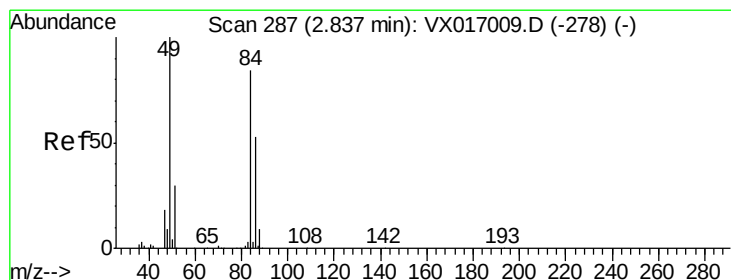
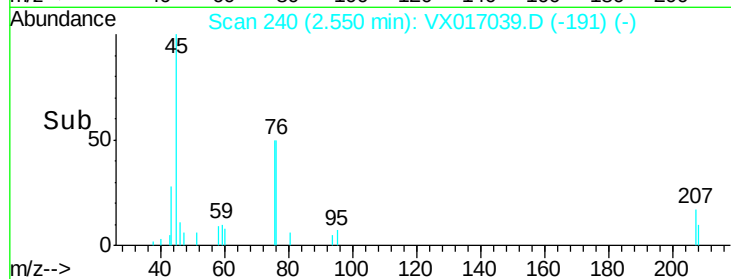
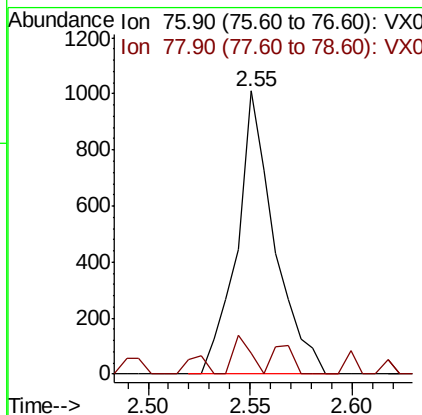
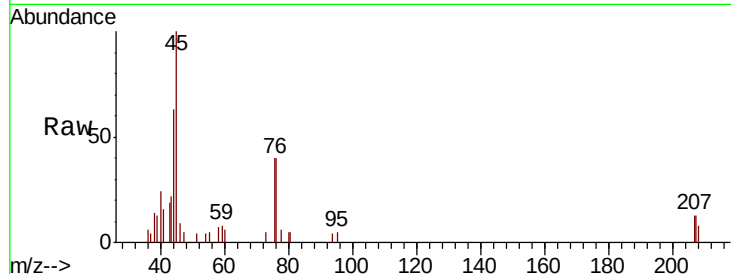
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 76 Resp: 1281

Ion Ratio Lower Upper

76 100

78 7.3 7.2 10.8



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Tgt Ion: 84 Resp: 1074

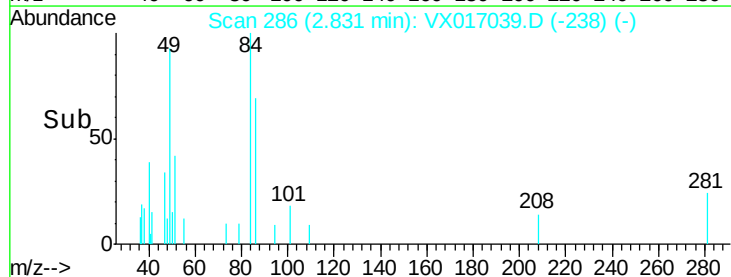
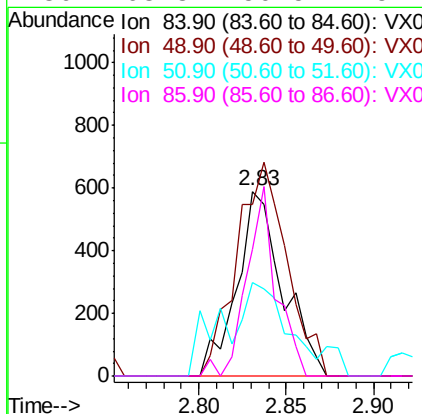
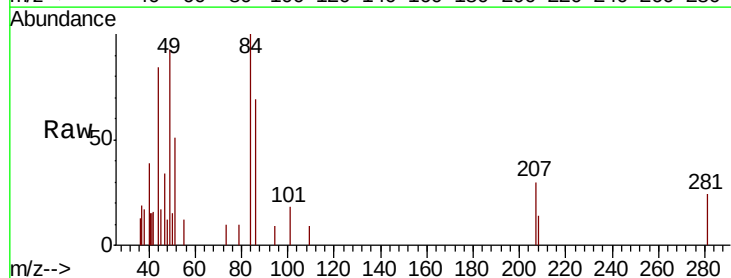
Ion Ratio Lower Upper

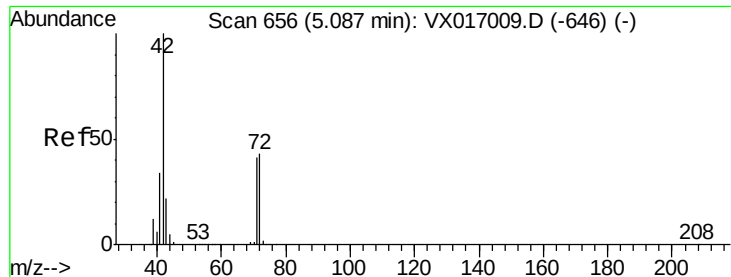
84 100

49 93.1 94.7 142.1#

51 50.5 28.6 42.8#

86 68.8 50.5 75.7

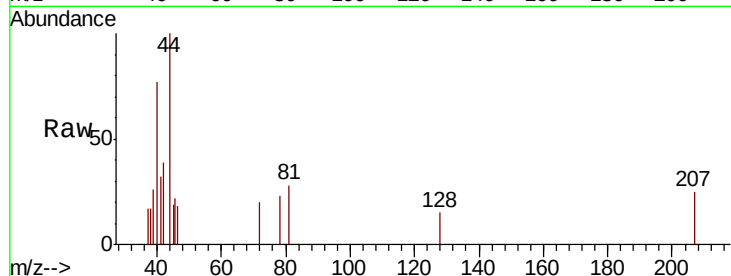




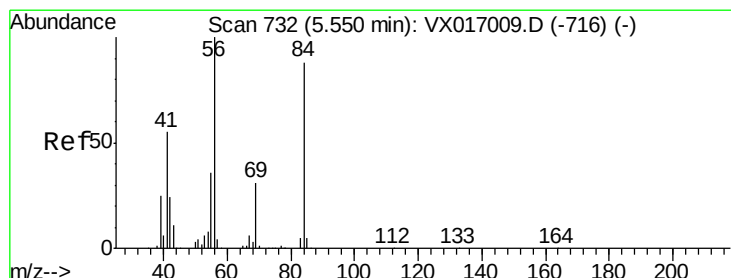
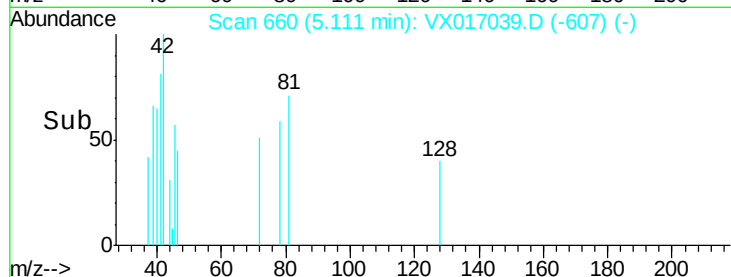
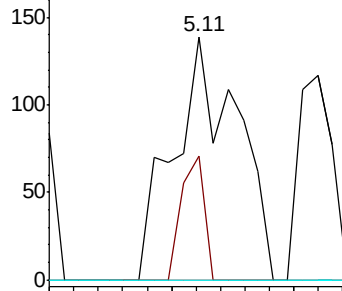
#29
Tetrahydrofuran
Concen: 0.206 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017039.D
Acq: 30 Jun 2020 13:00

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 42 Resp: 252
Ion Ratio Lower Upper
42 100
72 18.3 35.3 52.9#
71 0.0 33.1 49.7#

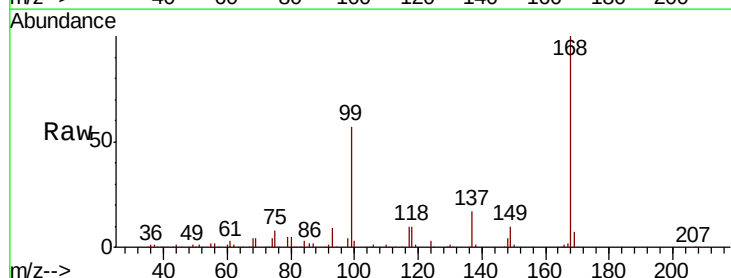


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

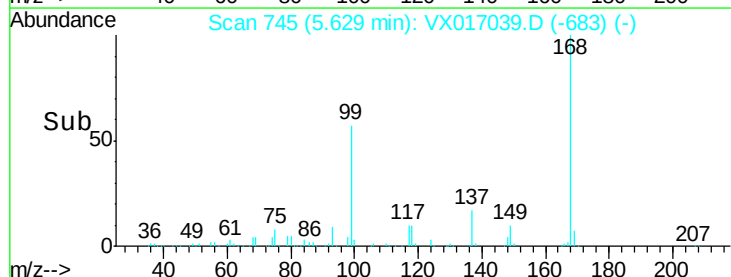
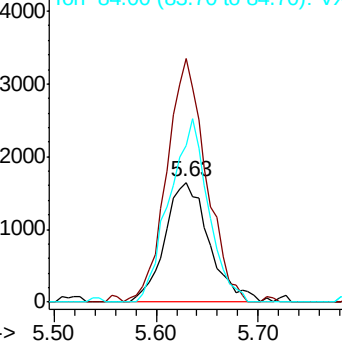


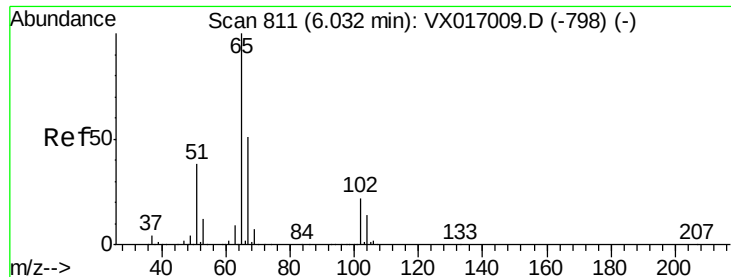
#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017039.D
Acq: 30 Jun 2020 13:00

Tgt Ion: 56 Resp: 4965
Ion Ratio Lower Upper
56 100
69 203.0 25.0 37.4#
84 130.6 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

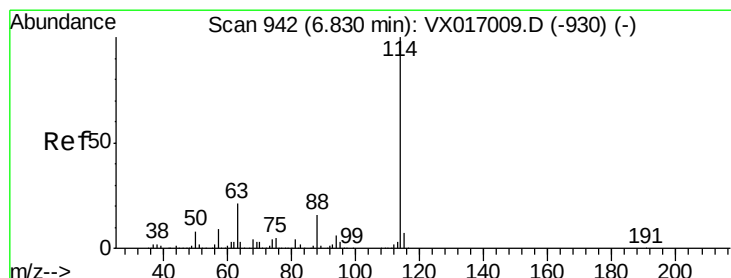
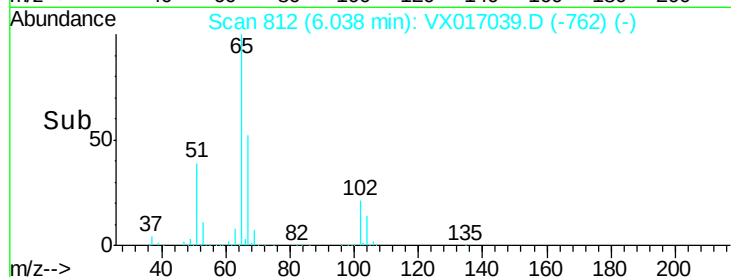
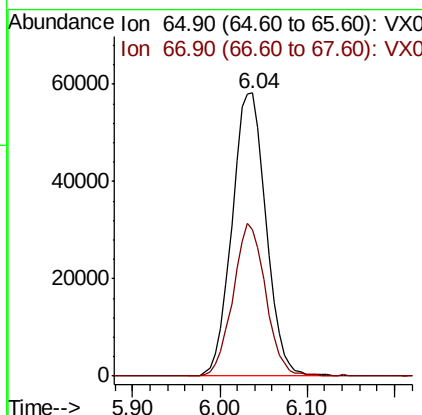
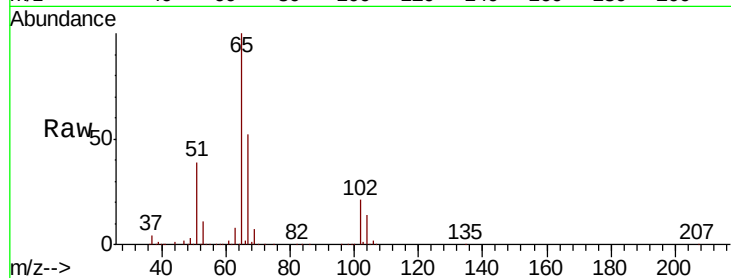




#33
 1,2-Dichloroethane-d4
 Concen: 52.873 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017039.D
 Acq: 30 Jun 2020 13:00

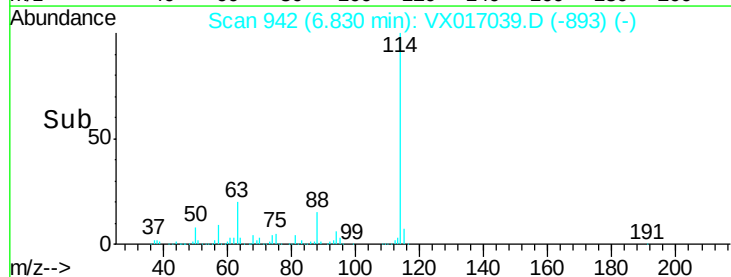
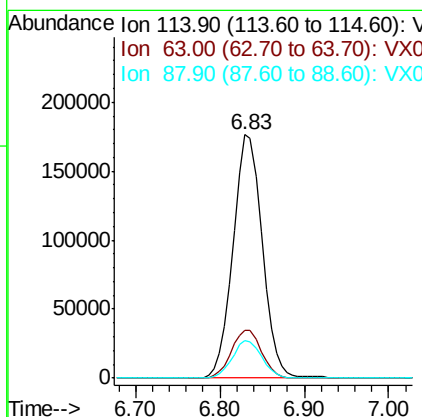
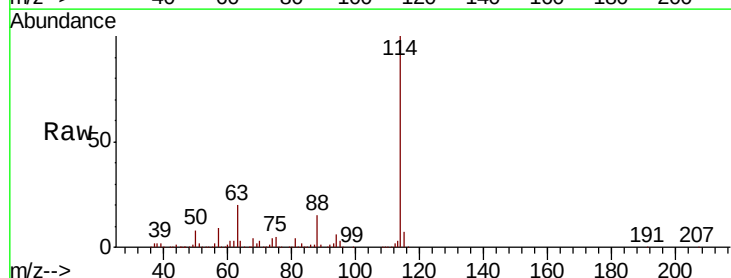
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

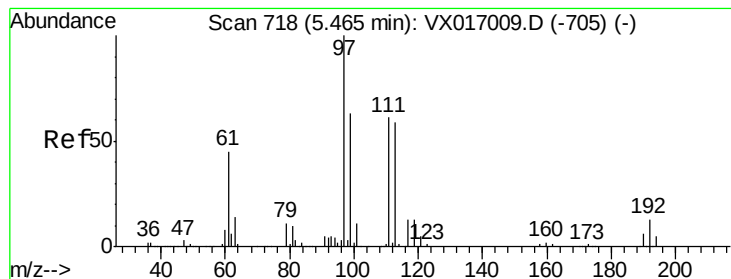
Tot Ion: 65 Resp: 157398
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017039.D
 Acq: 30 Jun 2020 13:00

Tgt Ion: 114 Resp: 413856
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.097 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

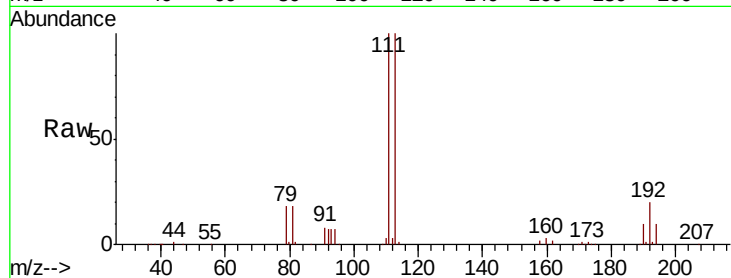
Tot Ion:113 Resp: 136386

Ion Ratio Lower Upper

113 100

111 100.2 81.9 122.9

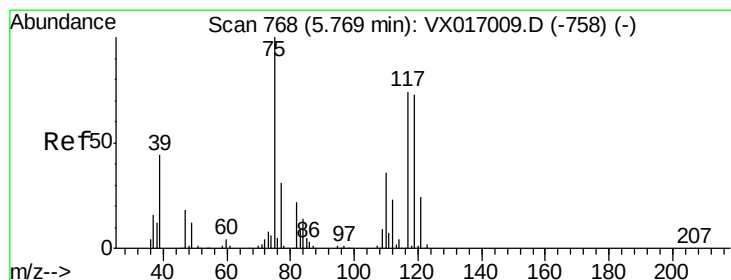
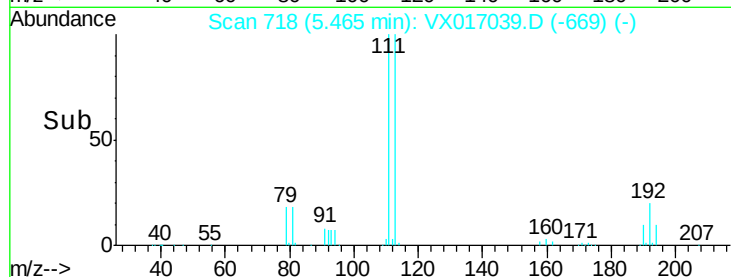
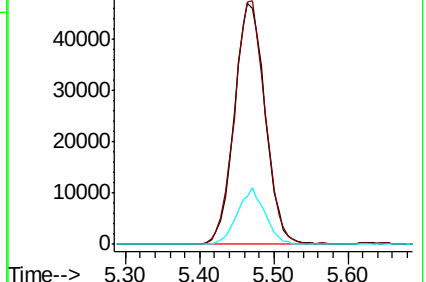
192 21.0 16.7 25.1



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: 4.453 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

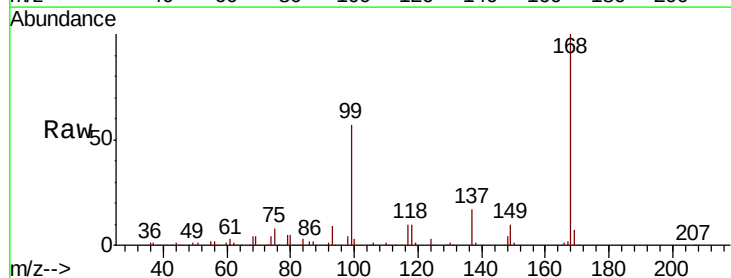
Tgt Ion: 75 Resp: 17418

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

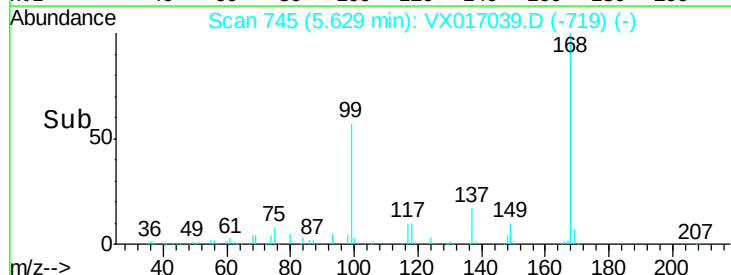
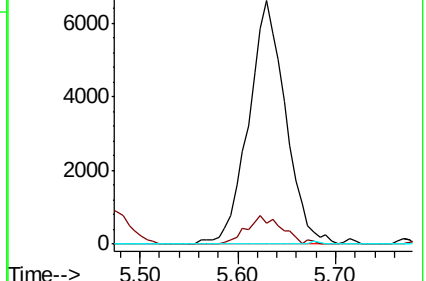
77 0.0 24.6 37.0#

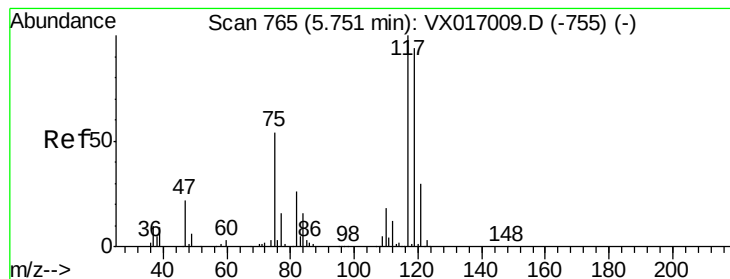


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.491 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

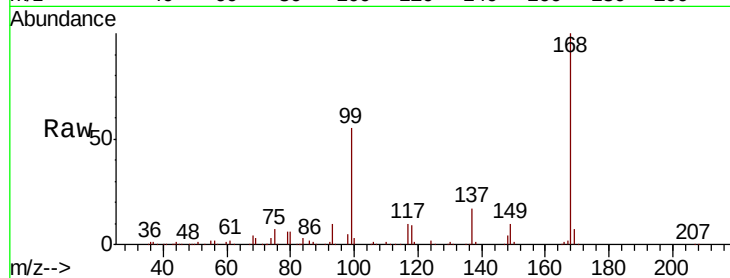
Tot Ion:117 Resp: 23655

Ion Ratio Lower Upper

117 100

119 6.3 75.4 113.0#

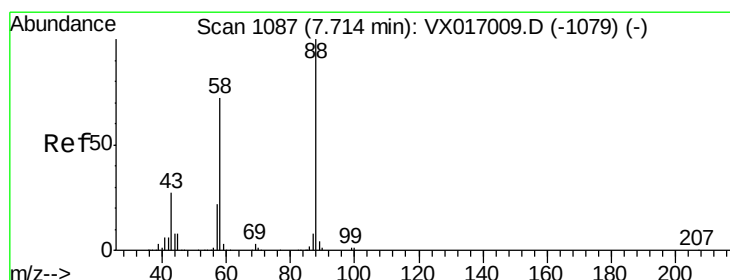
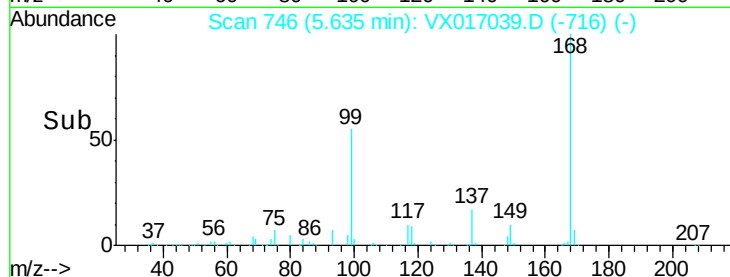
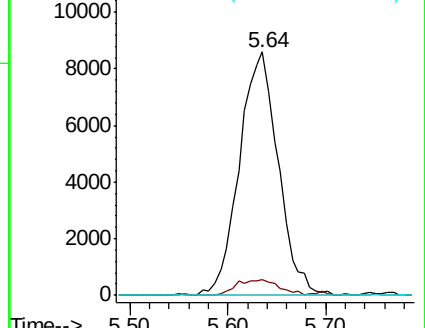
121 0.0 23.8 35.6#



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



#49

1,4-Dioxane

Concen: 0.803 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.07 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

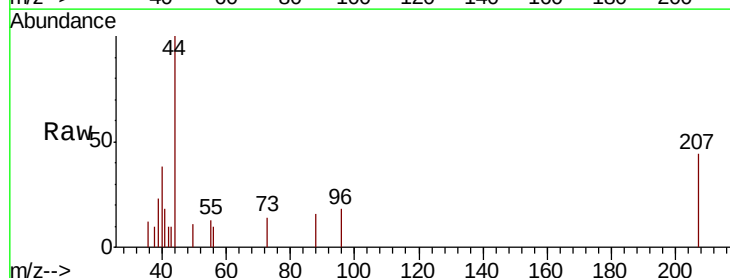
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 268.4 25.8 38.8#

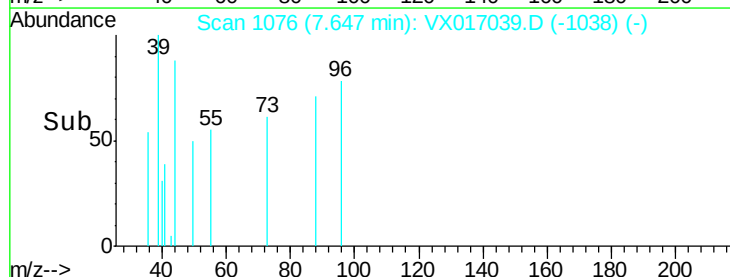
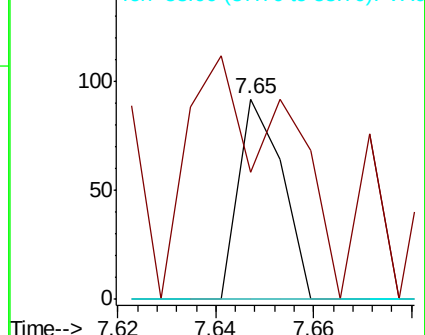
58 0.0 54.8 82.2#

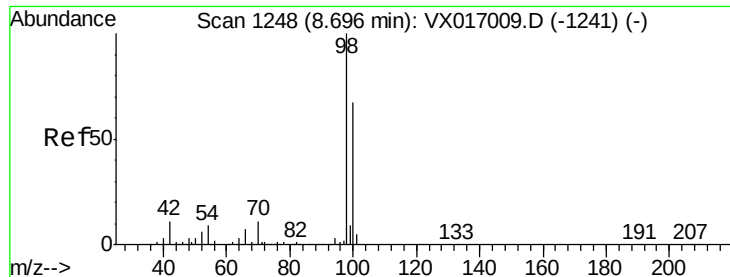


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

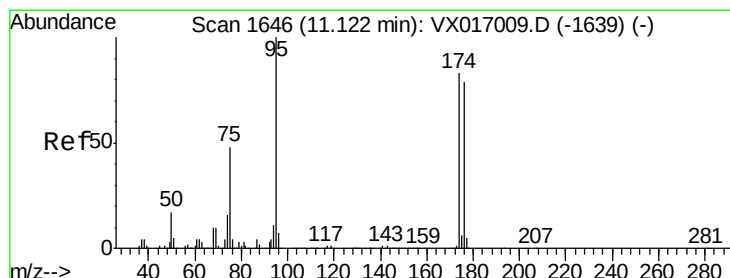
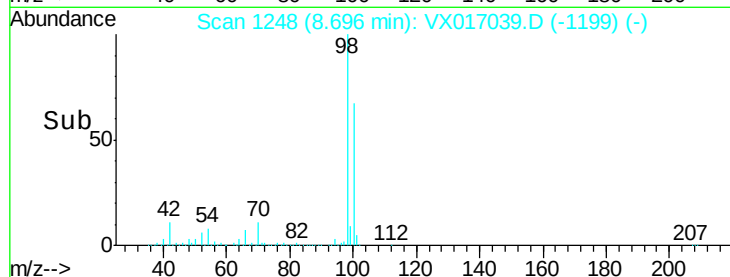
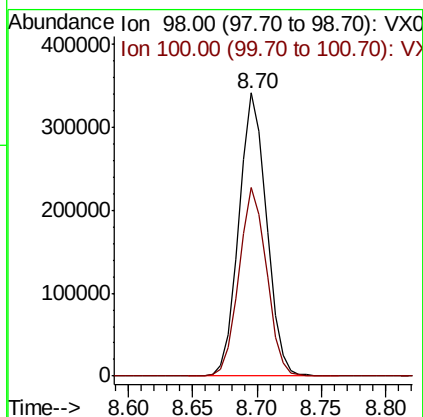
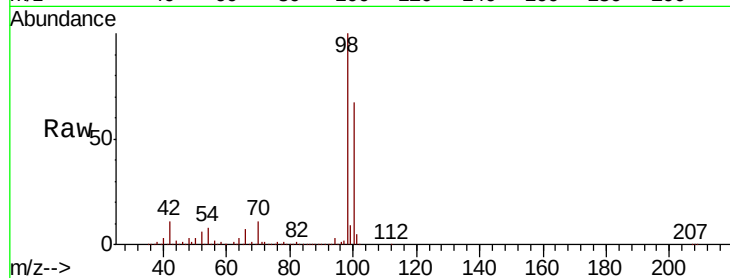




#50
Toluene-d8
Concen: 52.541 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017039.D
Acq: 30 Jun 2020 13:00

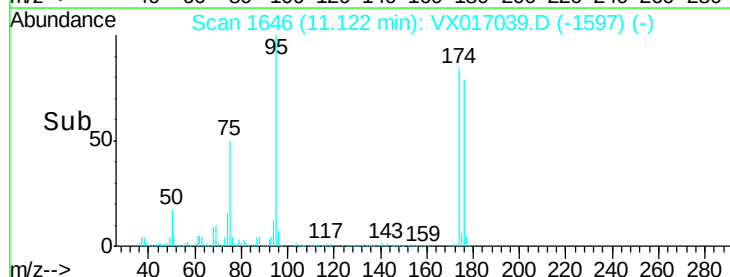
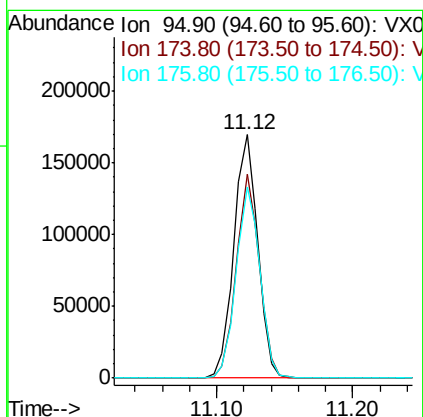
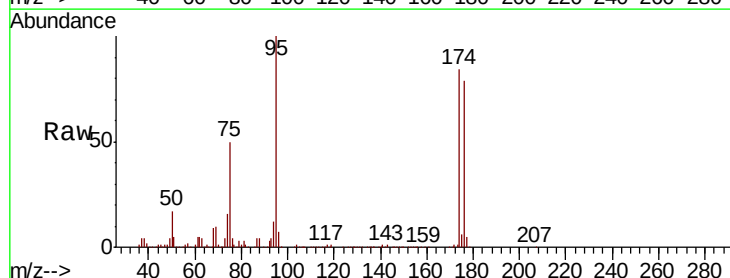
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

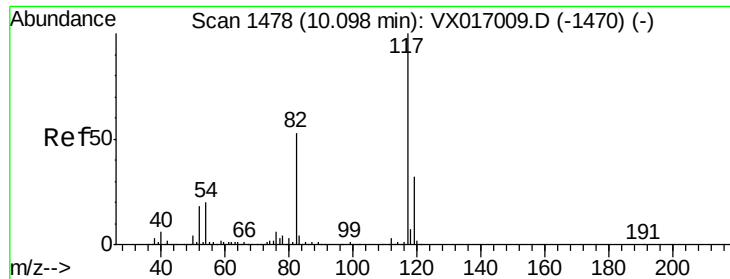
Tot Ion: 98 Resp: 508631
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 54.820 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017039.D
Acq: 30 Jun 2020 13:00

Tgt Ion: 95 Resp: 207453
Ion Ratio Lower Upper
95 100
174 81.1 0.0 164.0
176 78.5 0.0 157.6

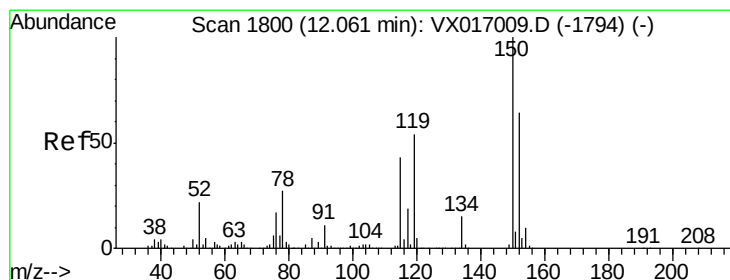
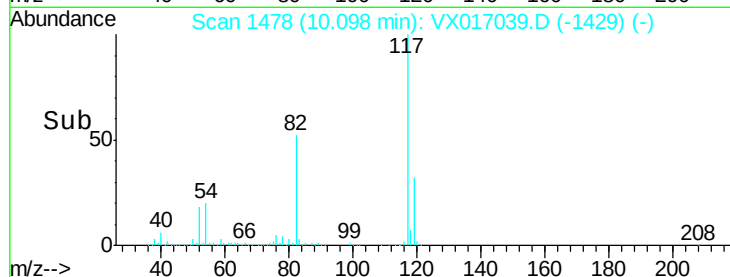
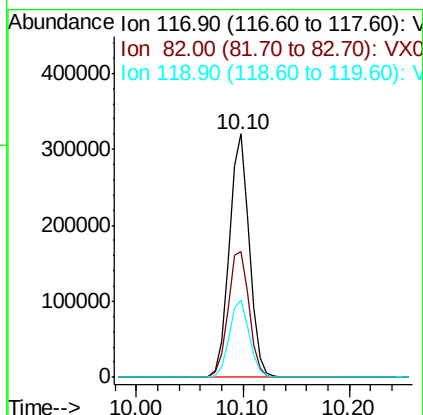
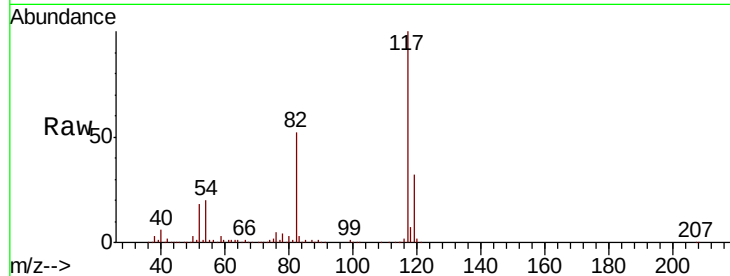




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017039.D
Acq: 30 Jun 2020 13:00

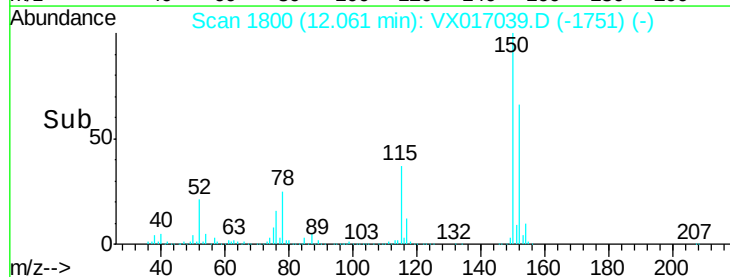
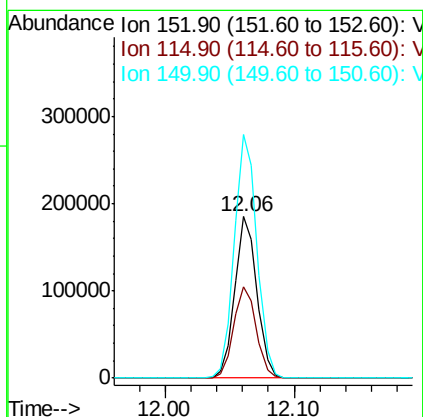
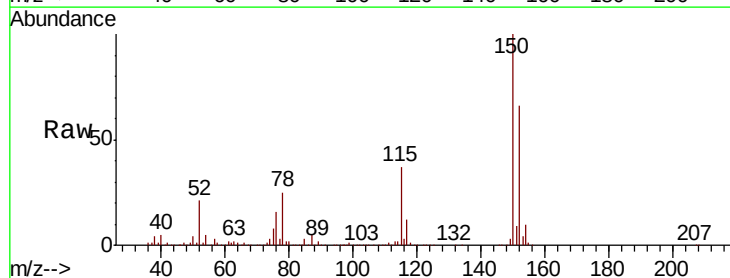
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

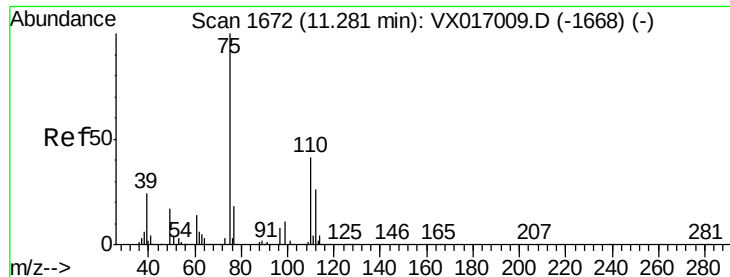
Tot Ion:117 Resp: 421750
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017039.D
Acq: 30 Jun 2020 13:00

Tgt Ion:152 Resp: 220581
Ion Ratio Lower Upper
152 100
115 57.9 40.9 122.7
150 155.2 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.536 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

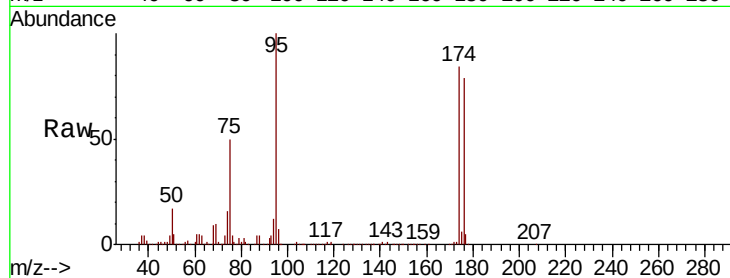
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 75 Resp: 102088

Ion Ratio Lower Upper

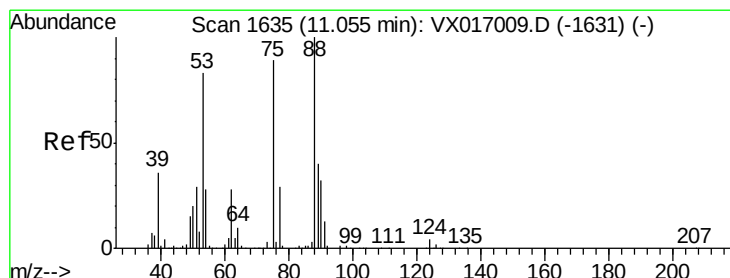
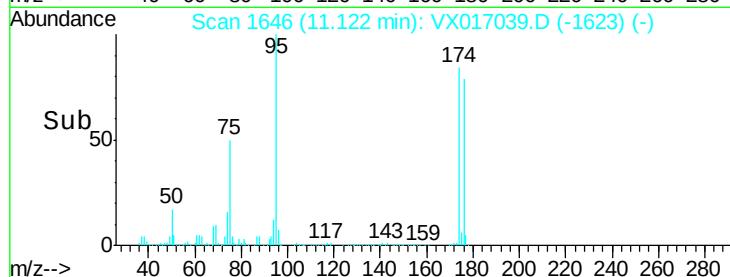
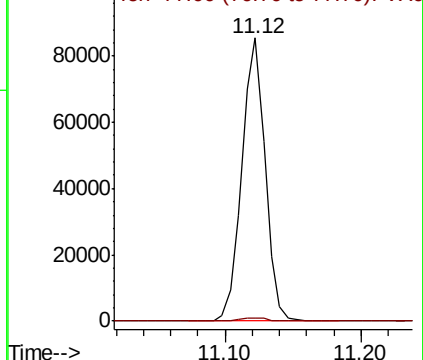
75 100

77 1.3 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: 60.949 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

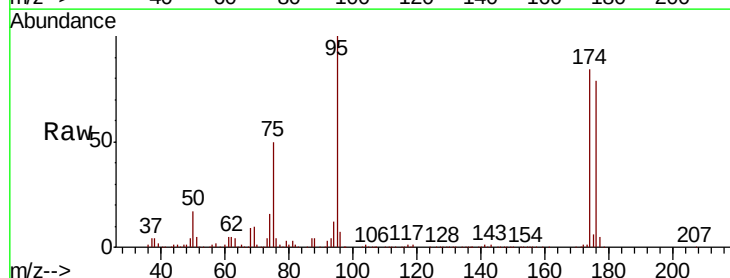
Tgt Ion: 75 Resp: 102088

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

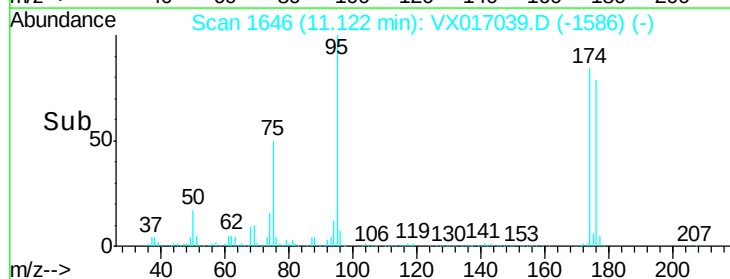
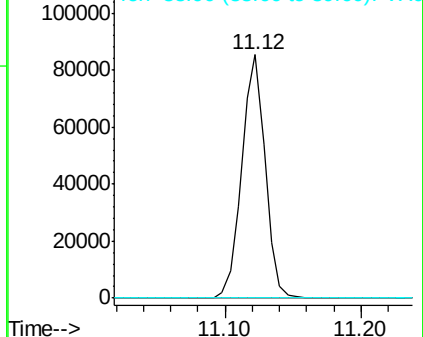
89 0.1 37.0 55.4#

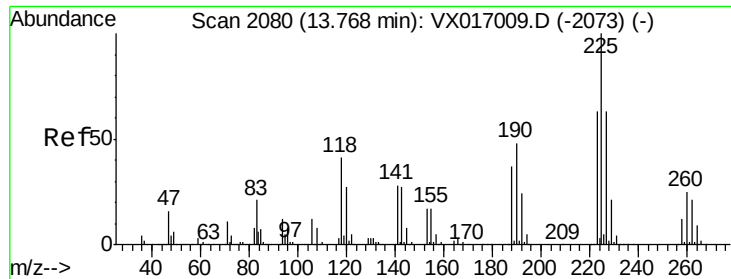


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.946 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017039.D

Acq: 30 Jun 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

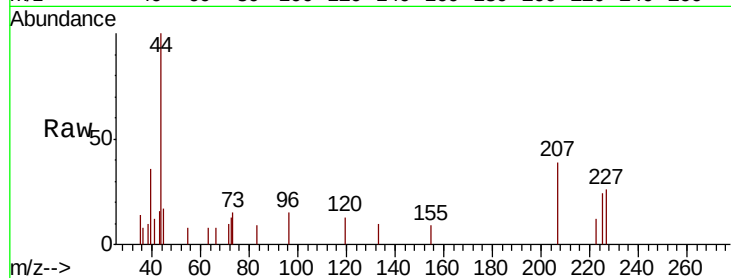
Tot Ion:225 Resp: 180

Ion Ratio Lower Upper

225 100

223 53.9 32.5 97.5

227 60.6 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

