

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019047.D
 Acq On : 22 Oct 2020 23:50
 Operator : JC/SP
 Sample : L4453-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Oct 23 08:38:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	271510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	468116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	443075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223041	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	165500	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	5.46	113	143184	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.70	98	577604	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.12	95	207226	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	

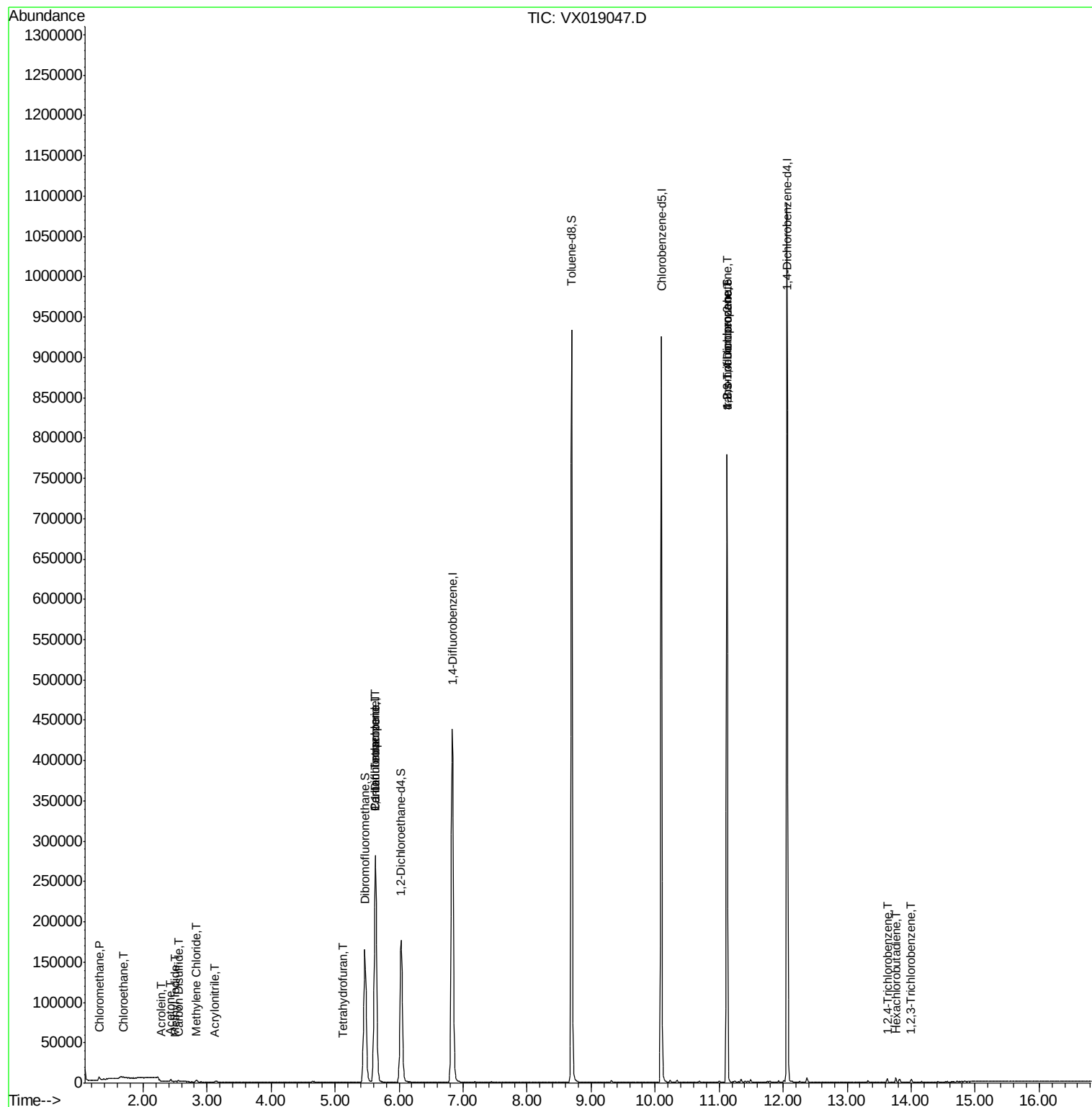
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1782	0.663	ug/l #	85
5) Bromomethane	1.64	94	526	Below Cal		89
6) Chloroethane	1.70	64	22	1.281	ug/l #	43
10) Methyl Iodide	2.50	142	530	4.904	ug/l #	89
13) Acrolein	2.29	56	82	13.937	ug/l #	16
15) Acrylonitrile	3.12	53	463	0.363	ug/l #	58
16) Acetone	2.43	43	3090	2.789	ug/l	90
17) Carbon Disulfide	2.55	76	1797	0.236	ug/l #	95
20) Methylene Chloride	2.84	84	1234	0.400	ug/l	92
29) Tetrahydrofuran	5.12	42	223	0.213	ug/l #	29
36) 1,1-Dichloropropene	5.63	75	19642	4.676	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25779	5.847	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	103206	23.151	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	103206	58.983	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.63	180	1183	0.233	ug/l	93
94) Hexachlorobutadiene	13.76	225	714	0.304	ug/l	91
96) 1,2,3-Trichlorobenzene	14.01	180	1223	0.248	ug/l	86

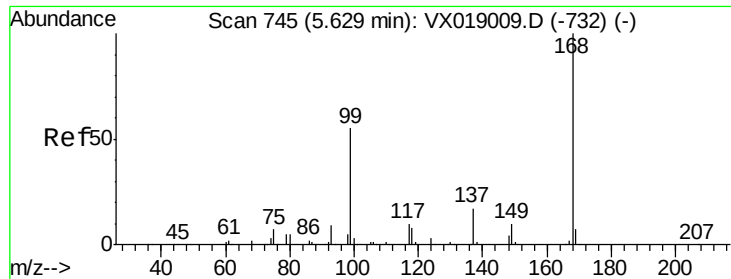
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019047.D

Acq: 22 Oct 2020 23:50

Instrument :

MSVOA_X

ClientSampleId :

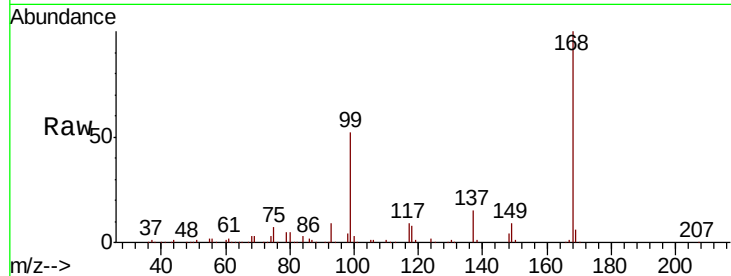
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 271510

Ion Ratio Lower Upper

168 100

99 51.5 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

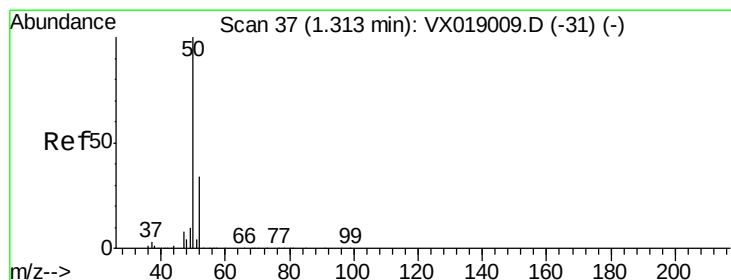
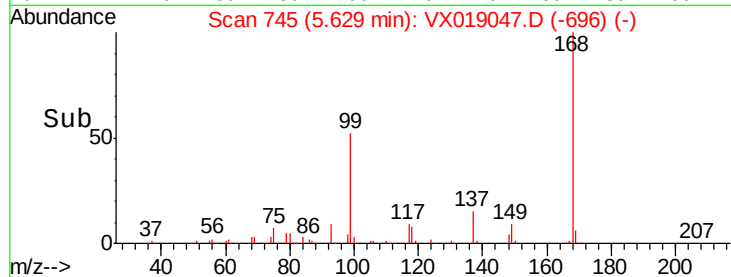
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.663 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019047.D

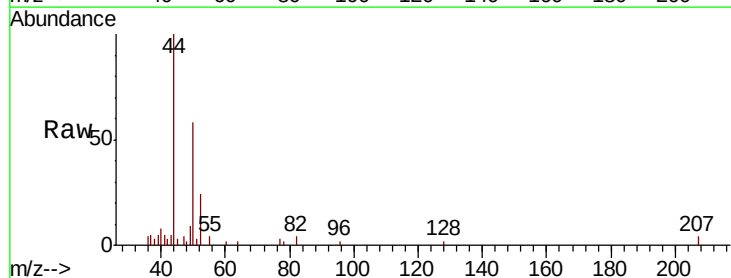
Acq: 22 Oct 2020 23:50

Tgt Ion: 50 Resp: 1782

Ion Ratio Lower Upper

50 100

52 42.2 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

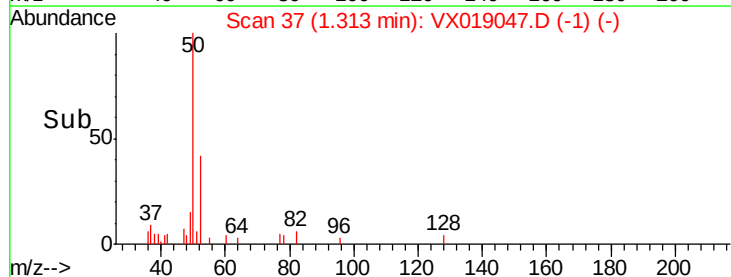
1500

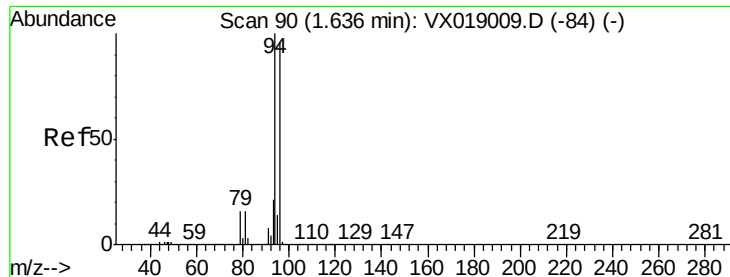
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019047.D

Acq: 22 Oct 2020 23:50

Instrument :

MSVOA_X

ClientSampleId :

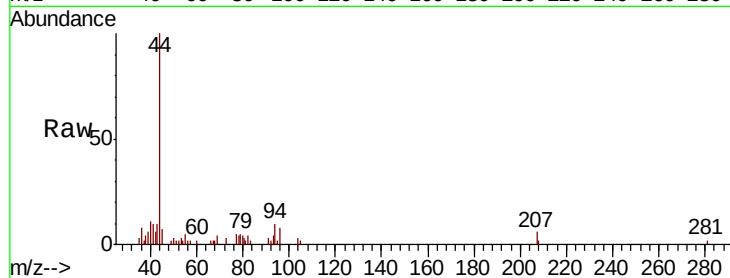
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 526

Ion Ratio Lower Upper

94 100

96 86.1 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

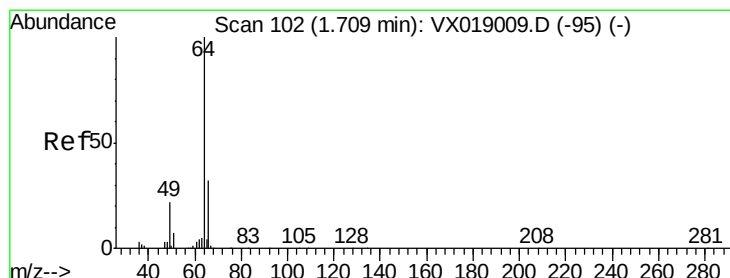
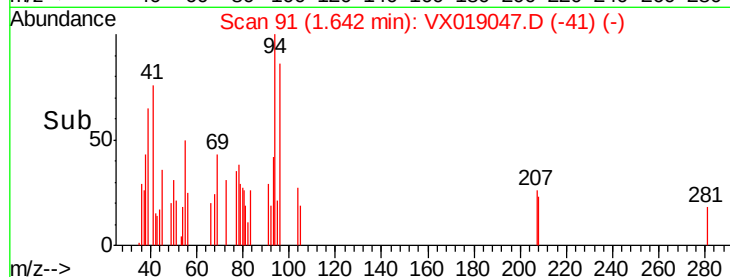
200

100

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 1.281 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX019047.D

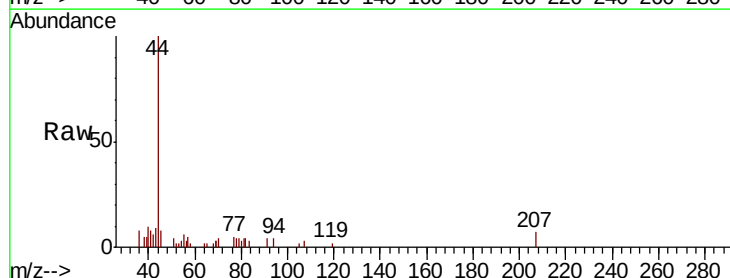
Acq: 22 Oct 2020 23:50

Tgt Ion: 64 Resp: 22

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

100

80

60

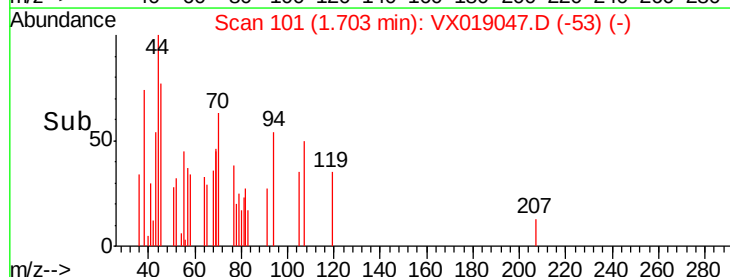
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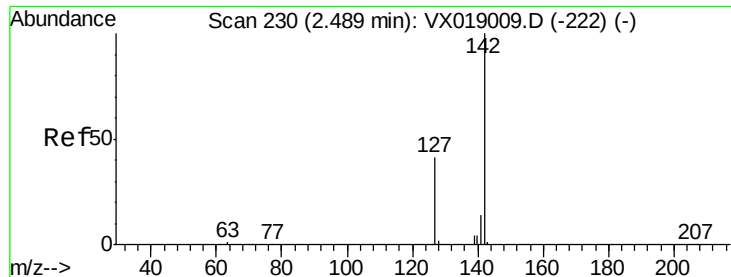
20

0

1.68 1.69 1.70 1.71 1.72

Time-->

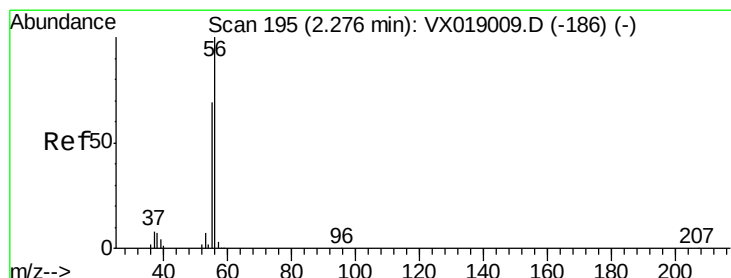
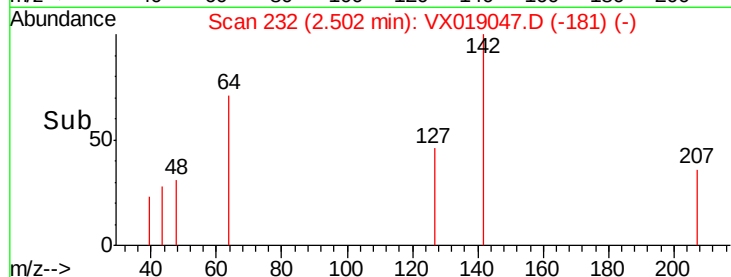
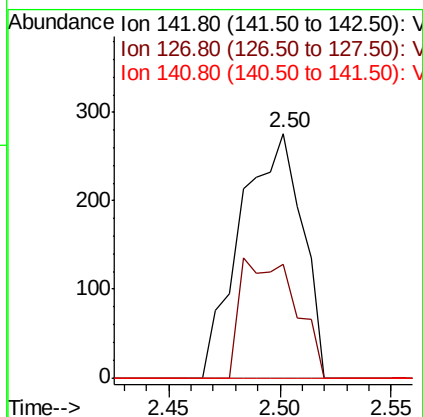
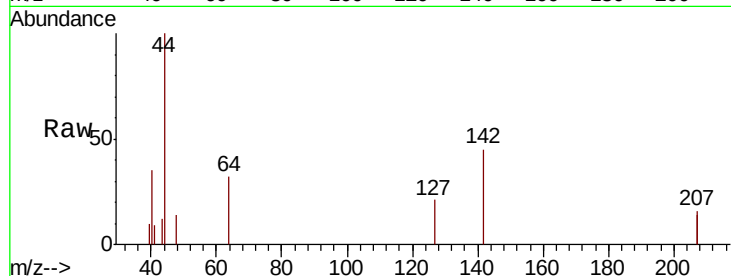




#10
Methvl Iodide
Concen: 4.904 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019047.D
Acq: 22 Oct 2020 23:50

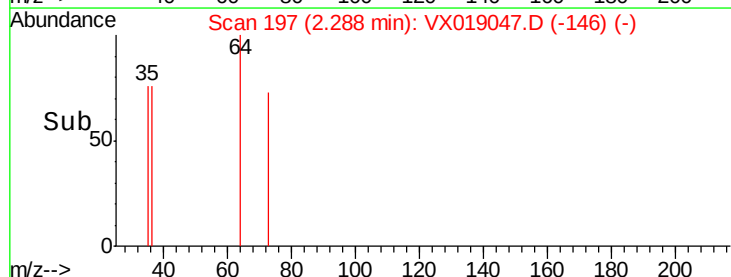
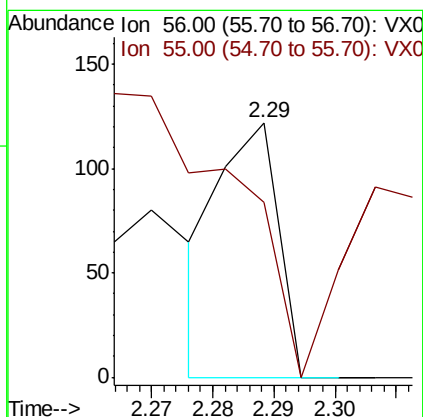
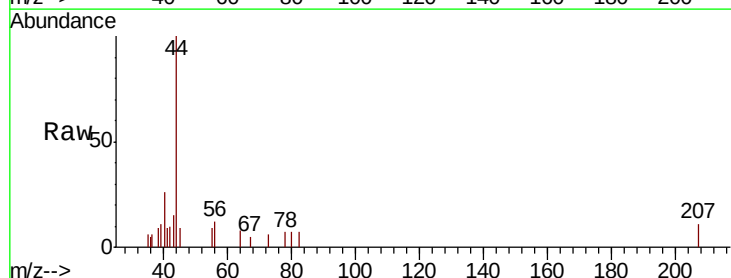
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

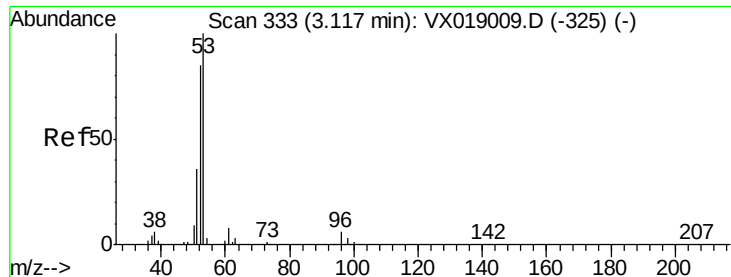
Tot Ion:142 Resp: 530
Ion Ratio Lower Upper
142 100
127 43.8 33.6 50.4
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 13.937 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX019047.D
Acq: 22 Oct 2020 23:50

Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 0.0 54.2 81.4#

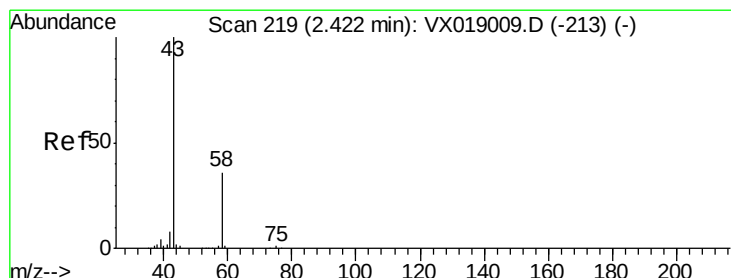
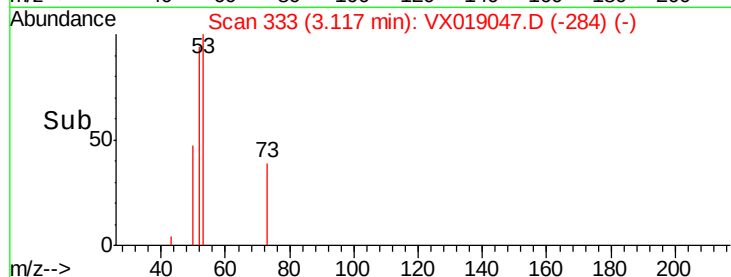
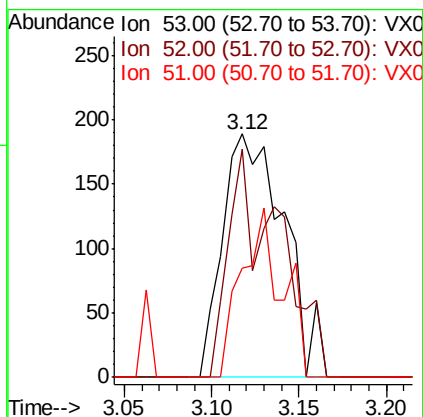
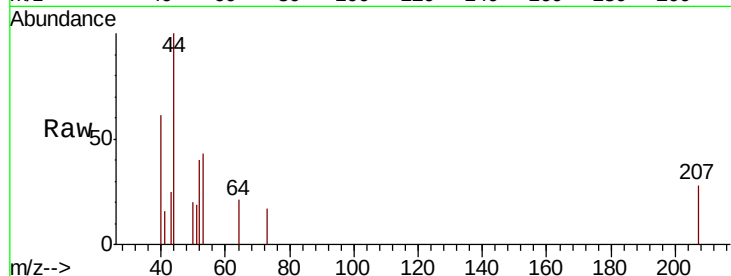




#15
 Acrylonitrile
 Concen: 0.363 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX019047.D
 Acq: 22 Oct 2020 23:50

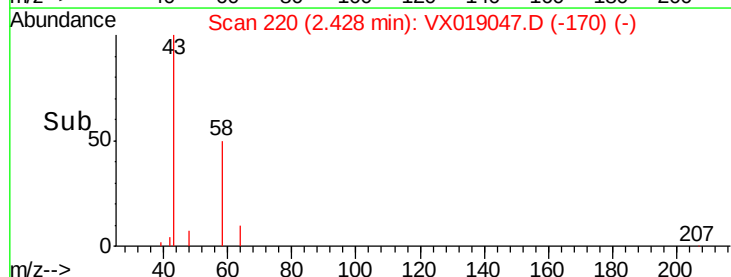
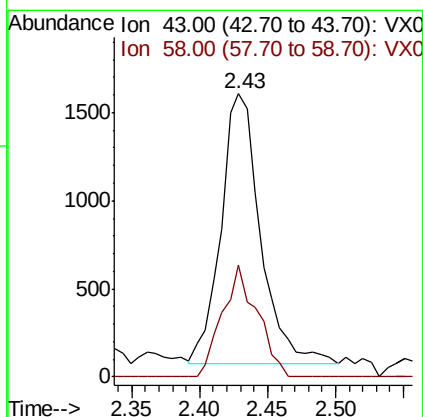
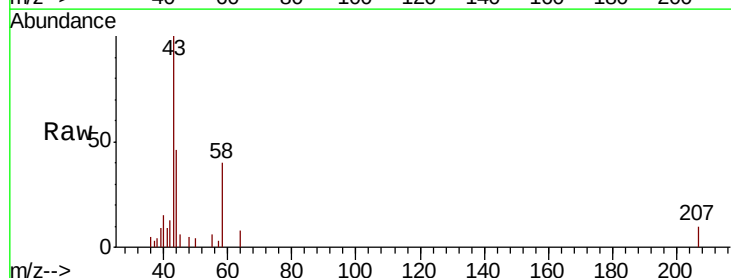
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

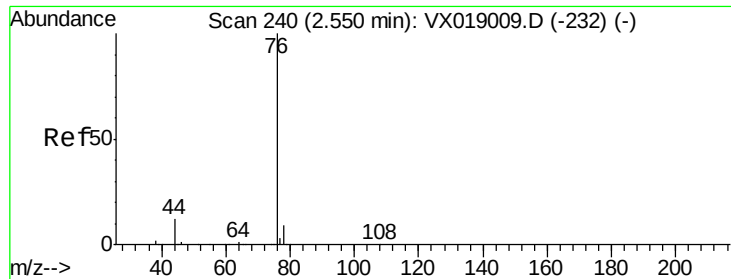
Tot Ion: 53 Resp: 463
 Ion Ratio Lower Upper
 53 100
 52 35.2 65.9 98.9#
 51 45.8 28.3 42.5#



#16
 Acetone
 Concen: 2.789 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX019047.D
 Acq: 22 Oct 2020 23:50

Tgt Ion: 43 Resp: 3090
 Ion Ratio Lower Upper
 43 100
 58 41.5 28.6 42.8

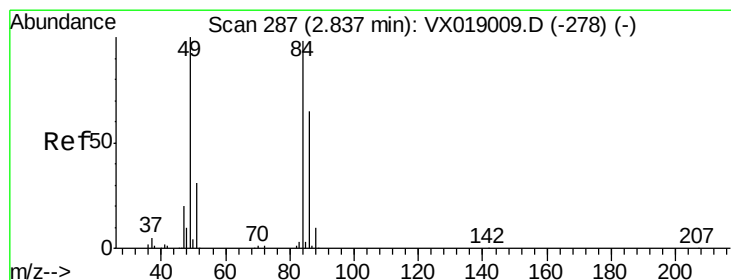
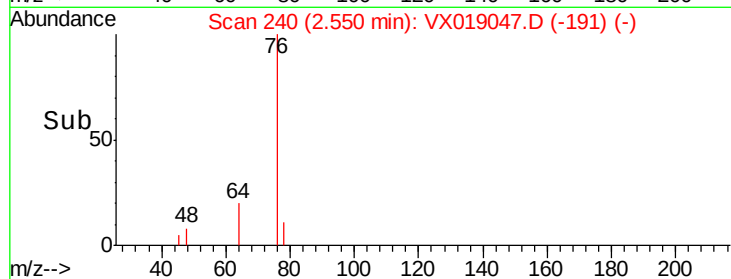
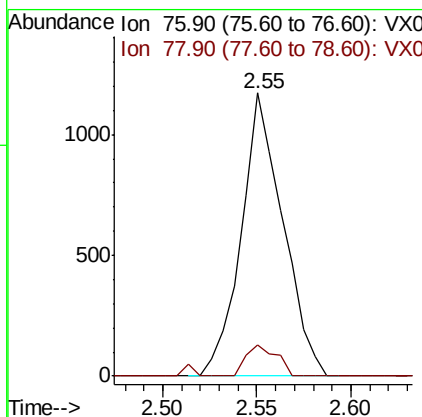
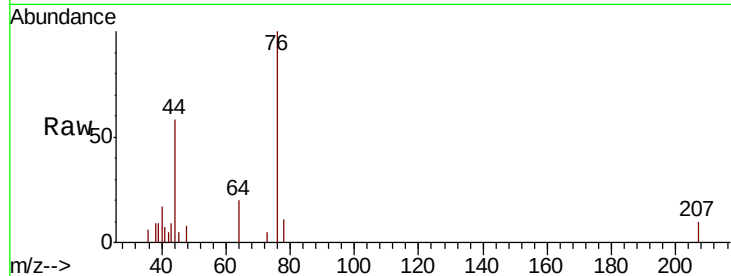




#17
Carbon Disulfide
Concen: 0.236 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019047.D
Acq: 22 Oct 2020 23:50

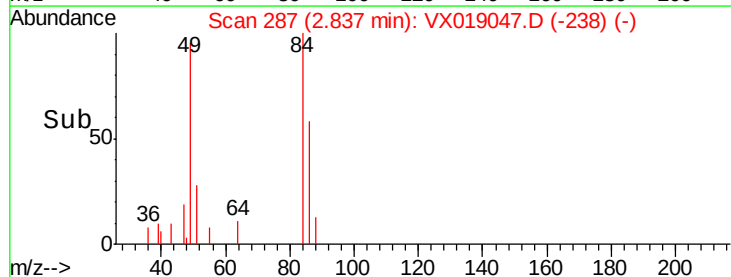
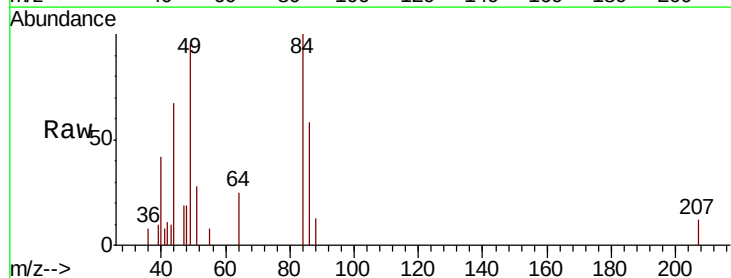
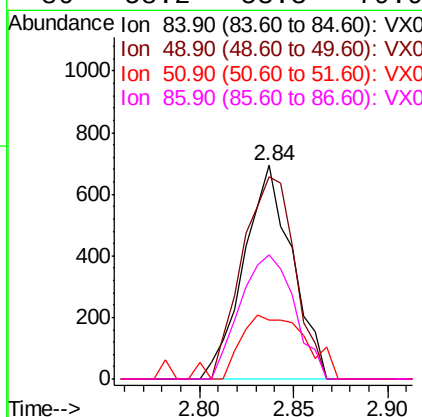
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

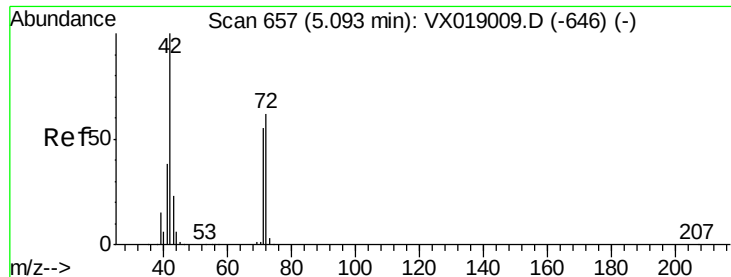
Tot Ion: 76 Resp: 1797
Ion Ratio Lower Upper
76 100
78 10.8 7.1 10.7#



#20
Methylene Chloride
Concen: 0.400 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019047.D
Acq: 22 Oct 2020 23:50

Tgt Ion: 84 Resp: 1234
Ion Ratio Lower Upper
84 100
49 94.5 81.6 122.4
51 27.8 25.6 38.4
86 58.2 53.3 79.9





#29

Tetrahydrofuran

Concen: 0.213 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX019047.D

Acq: 22 Oct 2020 23:50

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

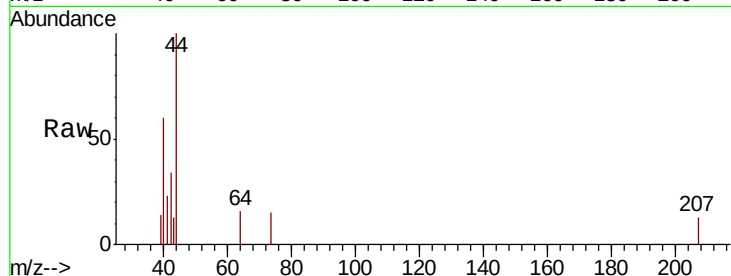
Tot Ion: 42 Resp: 223

Ion Ratio Lower Upper

42 100

72 0.0 49.1 73.7#

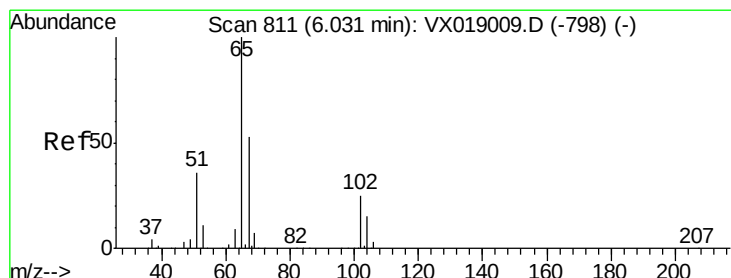
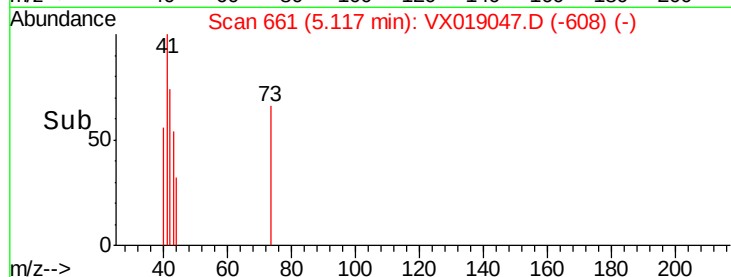
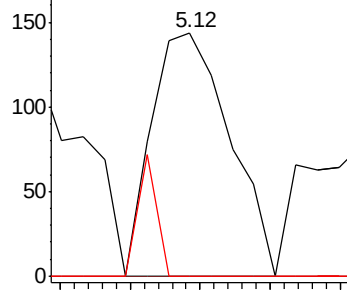
71 11.7 44.2 66.4#



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



#33

1,2-Dichloroethane-d4

Concen: 50.888 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019047.D

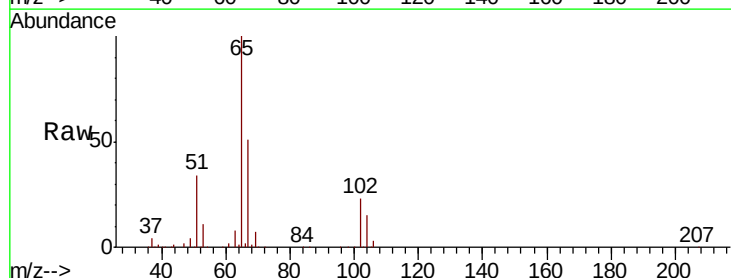
Acq: 22 Oct 2020 23:50

Tgt Ion: 65 Resp: 165500

Ion Ratio Lower Upper

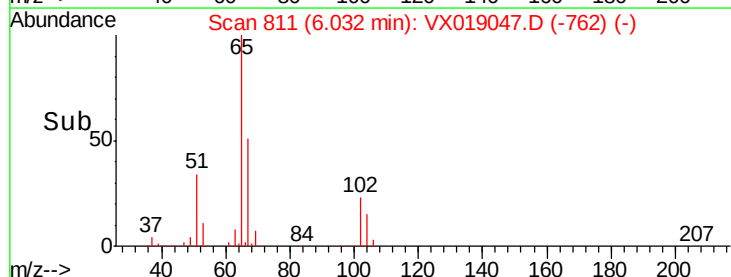
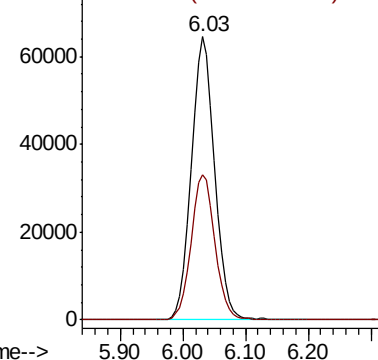
65 100

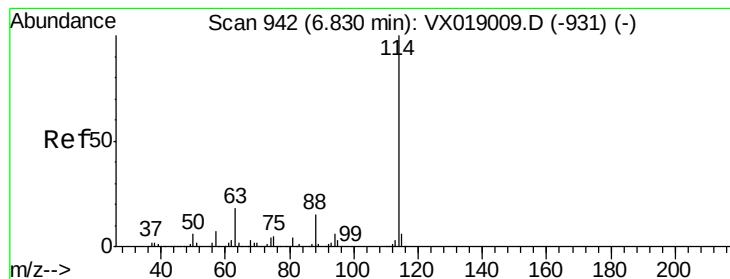
67 52.3 0.0 107.0



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019047.D

Acq: 22 Oct 2020 23:50

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

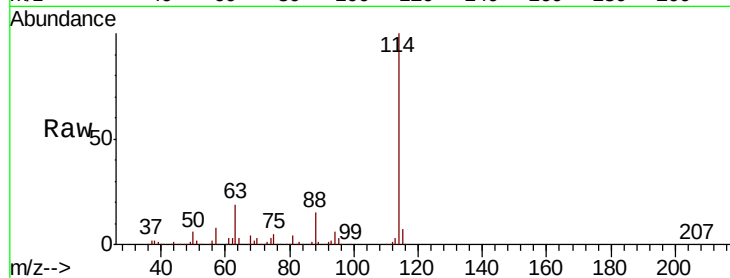
Tot Ion:114 Resp: 468116

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

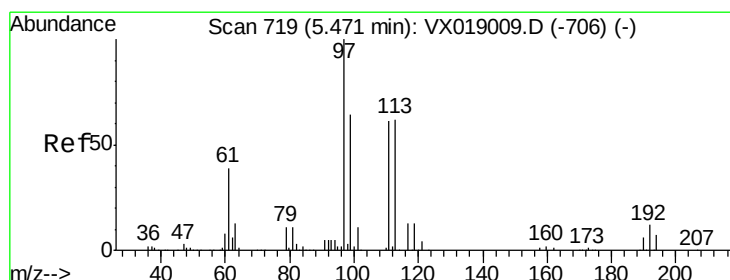
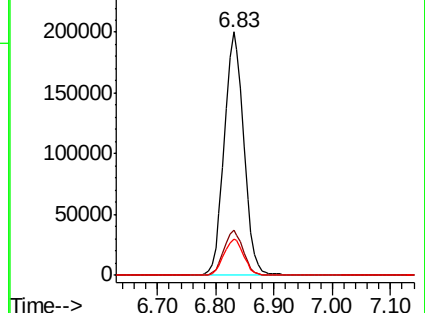
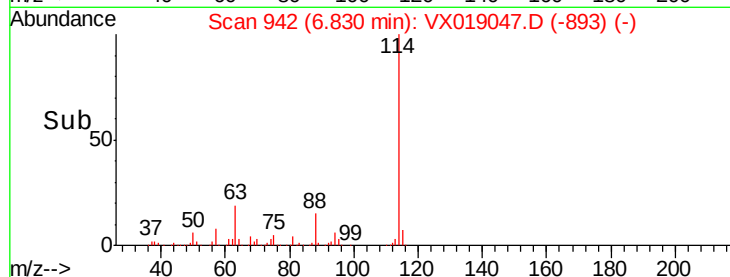
88 15.1 0.0 30.2



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: 48.311 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019047.D

Acq: 22 Oct 2020 23:50

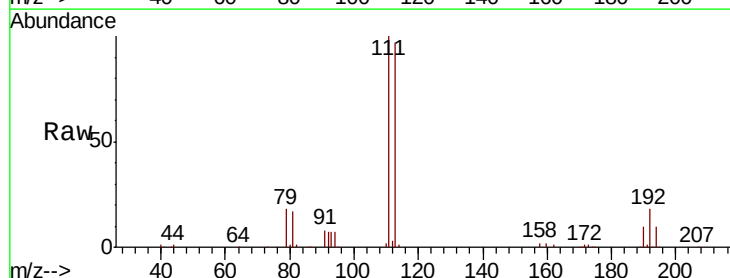
Tgt Ion:113 Resp: 143184

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

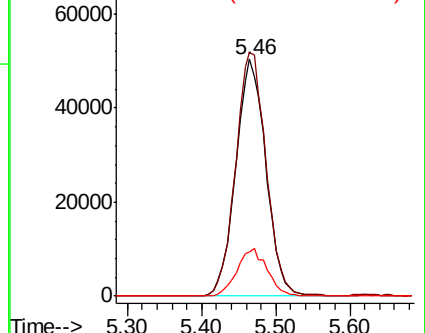
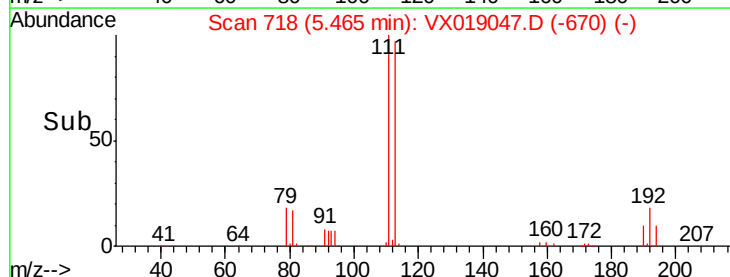
192 20.1 16.3 24.5

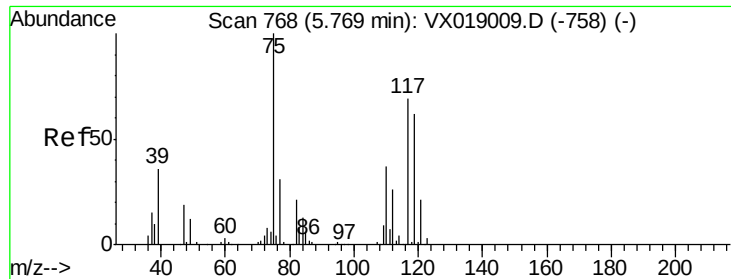


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

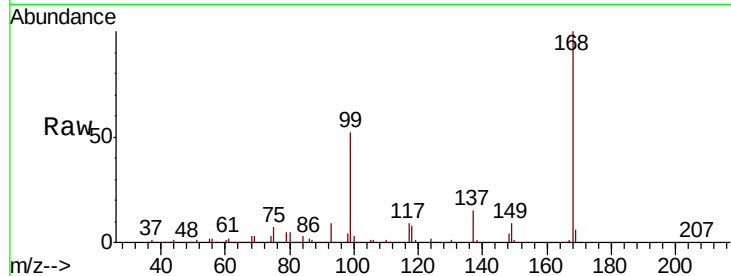




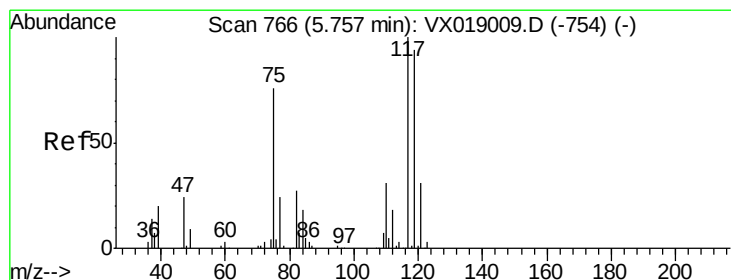
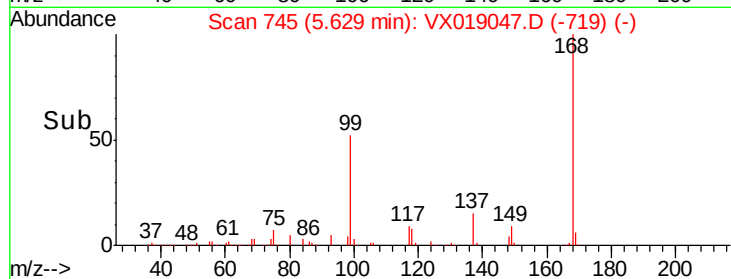
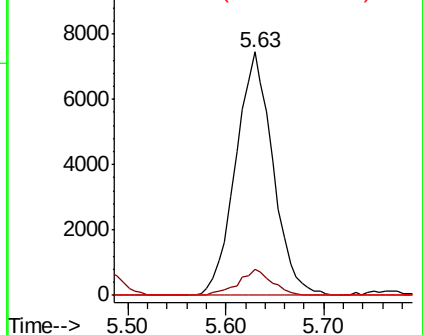
#36
 1,1-Dichloropropene
 Concen: 4.676 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019047.D
 Acq: 22 Oct 2020 23:50

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.4	58.2#
77	0.0	25.2	37.8#

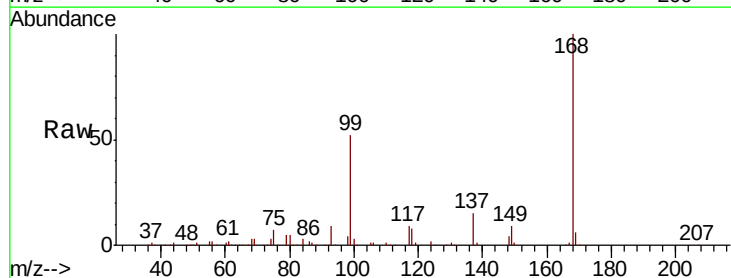


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

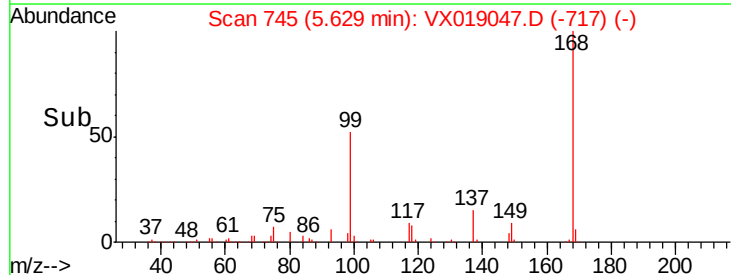
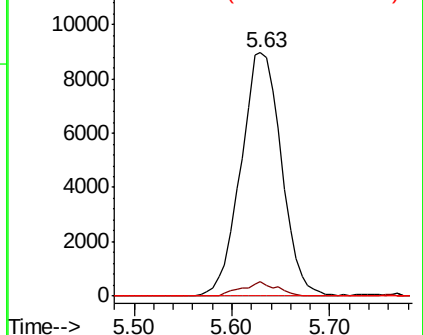


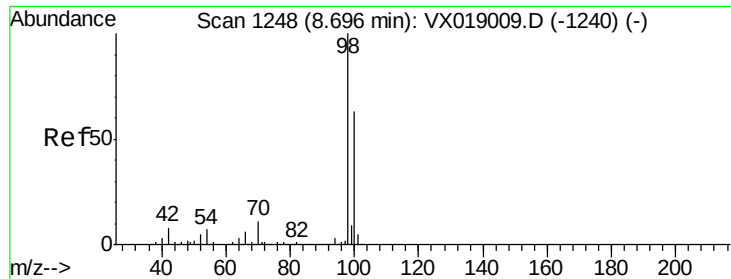
#38
 Carbon Tetrachloride
 Concen: 5.847 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019047.D
 Acq: 22 Oct 2020 23:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.4	113.0#
121	0.0	25.0	37.6#



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

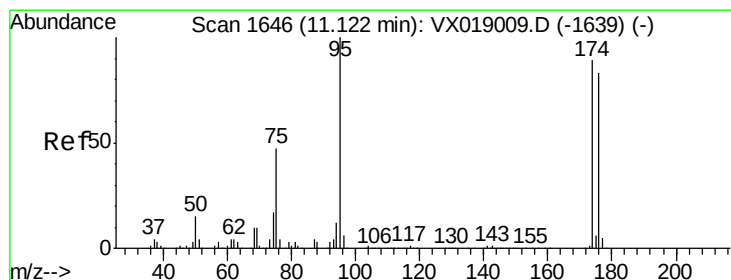
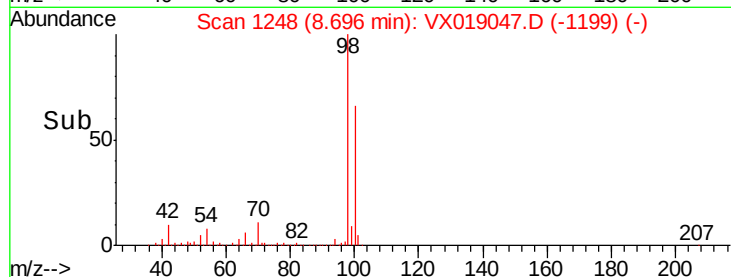
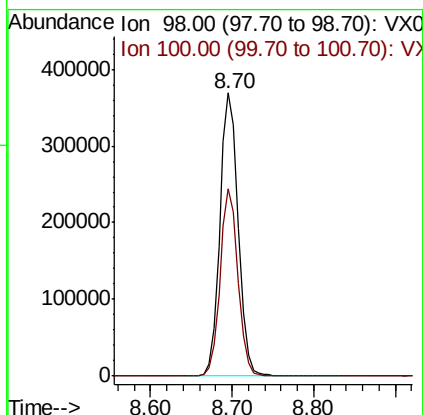
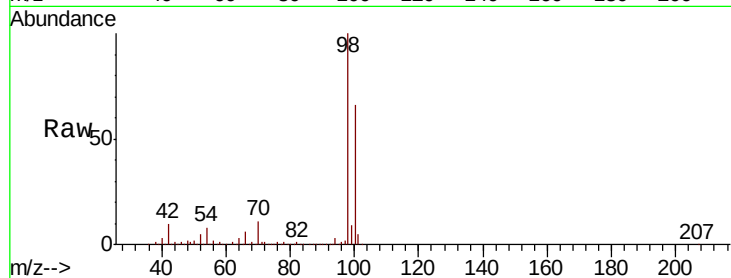




#50
Toluene-d8
Concen: 51.071 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019047.D
Acq: 22 Oct 2020 23:50

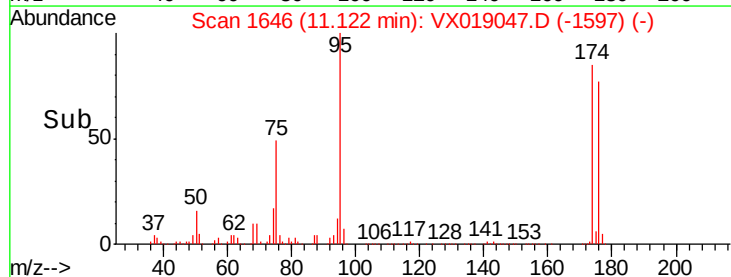
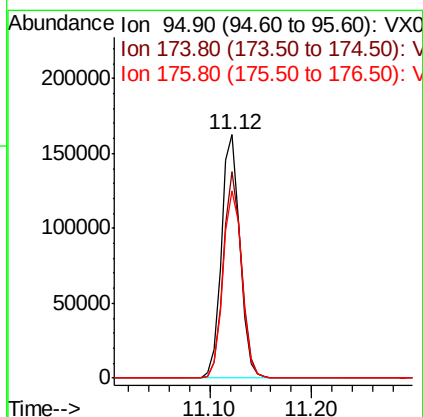
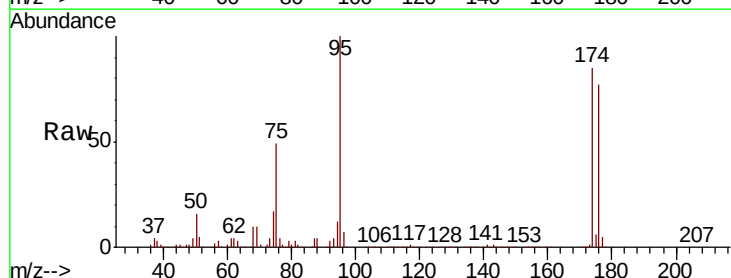
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

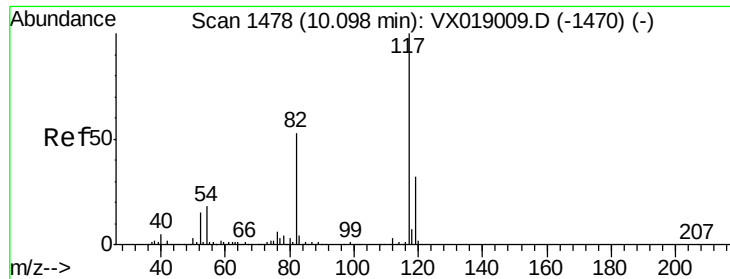
Tot Ion: 98 Resp: 577604
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 51.510 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019047.D
Acq: 22 Oct 2020 23:50

Tgt Ion: 95 Resp: 207226
Ion Ratio Lower Upper
95 100
174 83.1 0.0 167.6
176 78.8 0.0 165.2

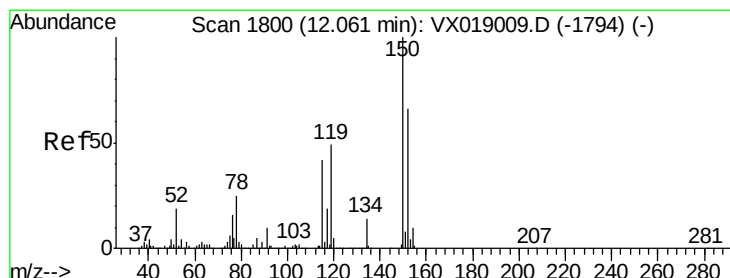
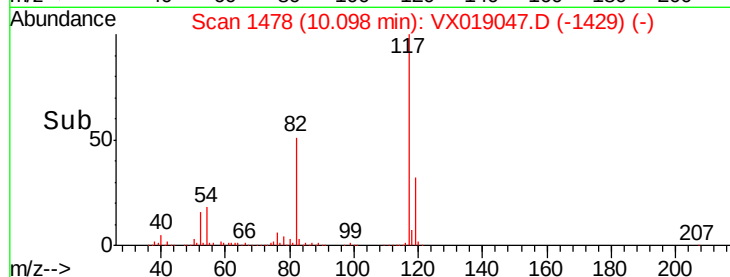
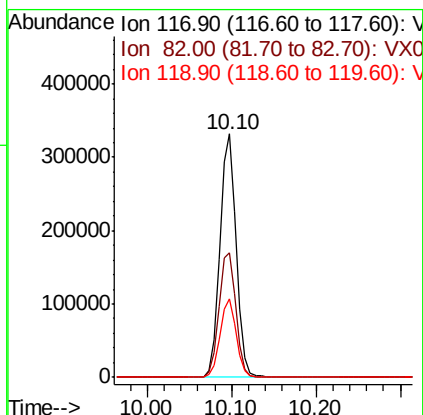
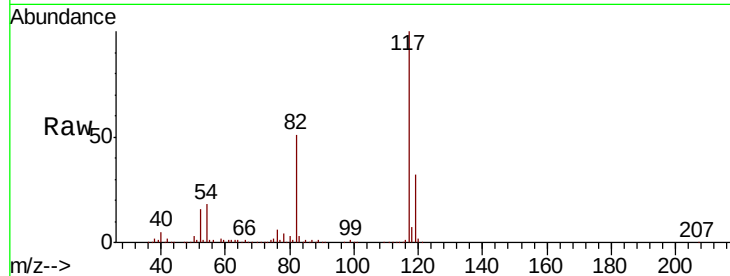




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019047.D
Acq: 22 Oct 2020 23:50

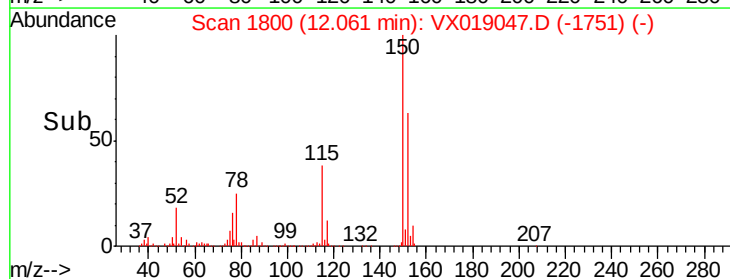
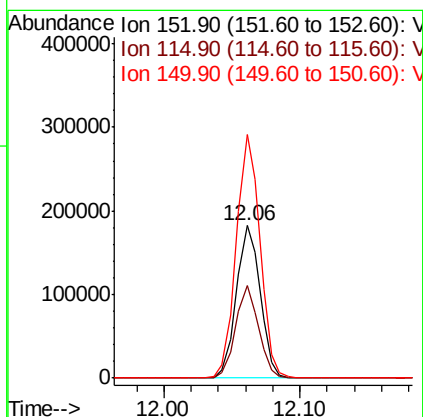
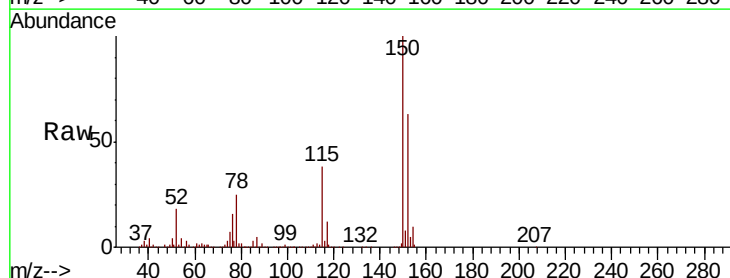
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

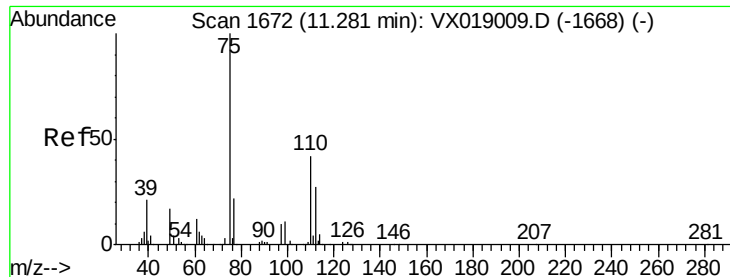
Tot Ion:117 Resp: 443075
Ion Ratio Lower Upper
117 100
82 50.9 42.4 63.6
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019047.D
Acq: 22 Oct 2020 23:50

Tgt Ion:152 Resp: 223041
Ion Ratio Lower Upper
152 100
115 58.3 40.8 122.5
150 158.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 23.151 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019047.D

Acq: 22 Oct 2020 23:50

Instrument :

MSVOA_X

ClientSampleId :

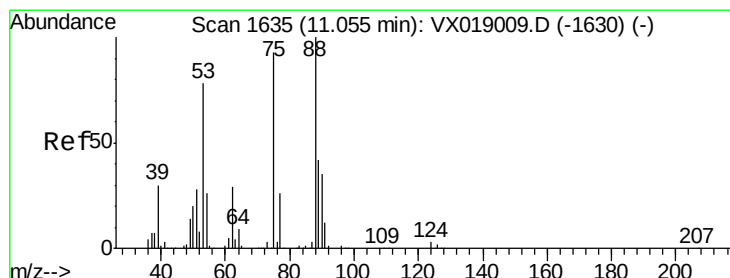
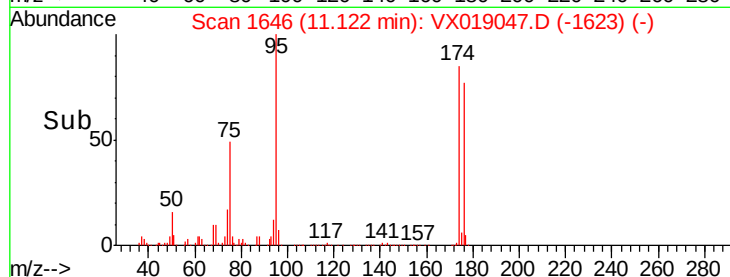
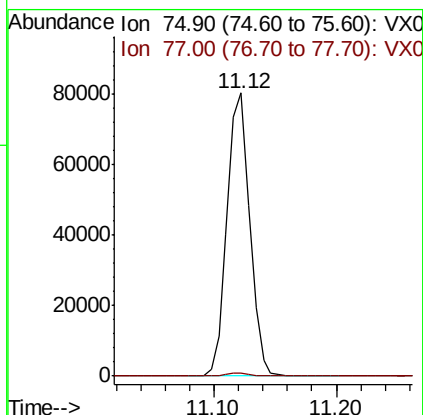
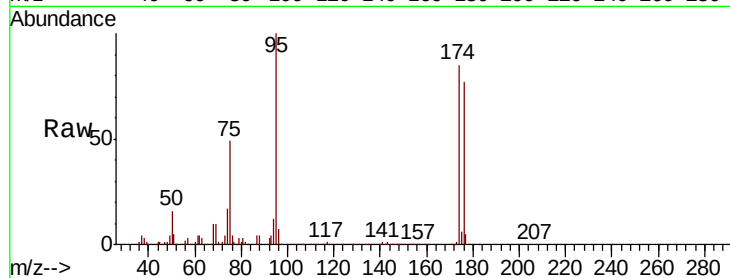
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 103206

Ion Ratio Lower Upper

75 100

77 1.2 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.983 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019047.D

Acq: 22 Oct 2020 23:50

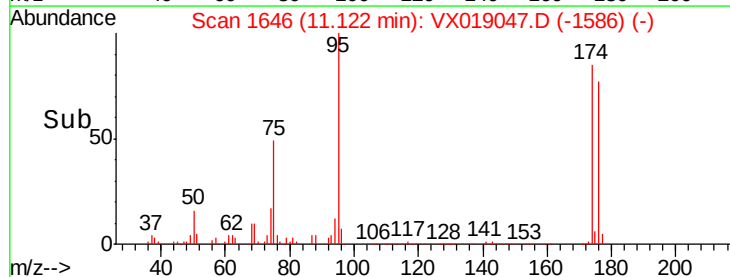
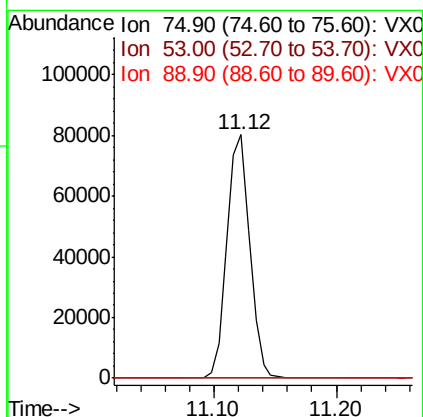
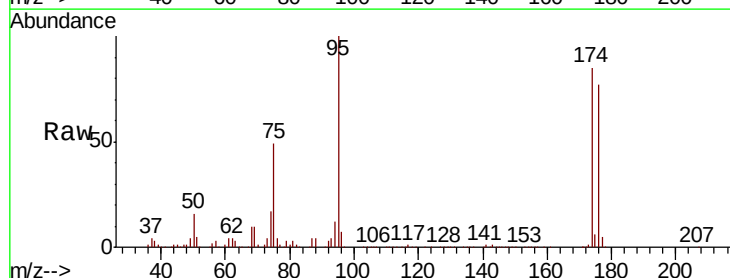
Tgt Ion: 75 Resp: 103206

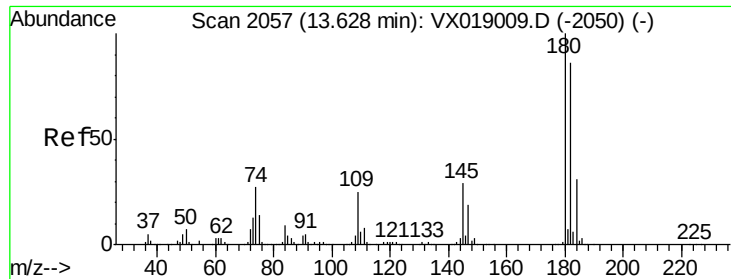
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

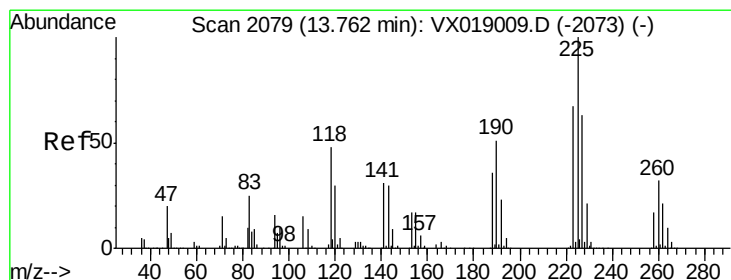
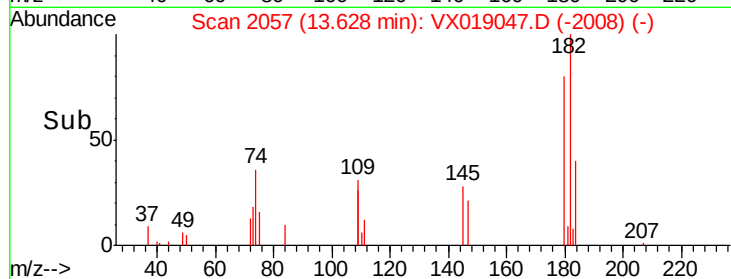
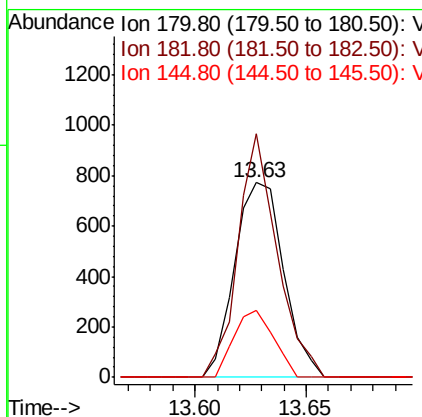
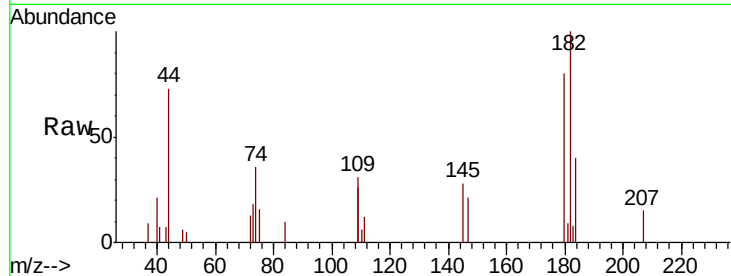




#93
 1,2,4-Trichlorobenzene
 Concen: 0.233 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019047.D
 Acq: 22 Oct 2020 23:50

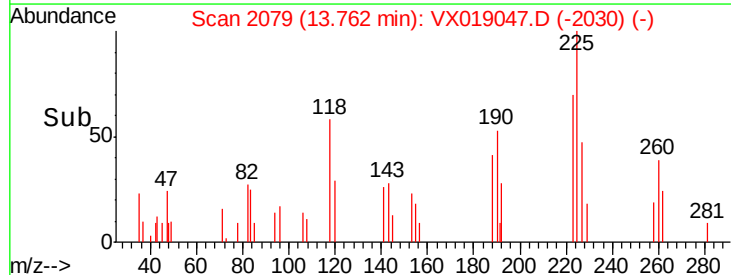
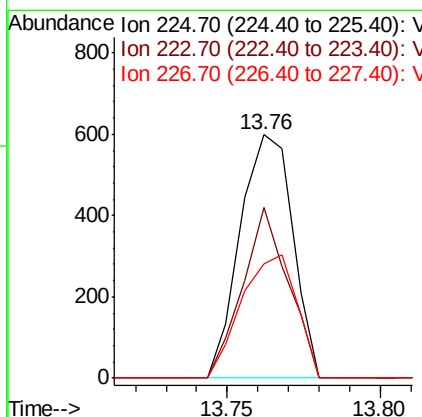
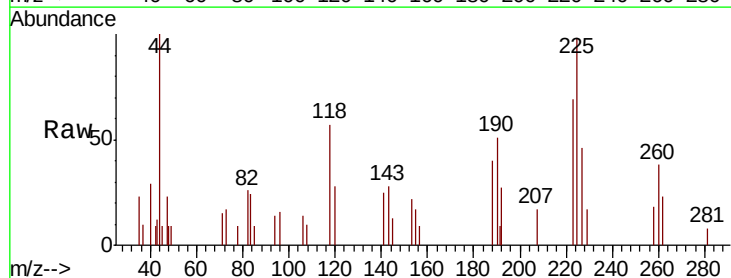
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

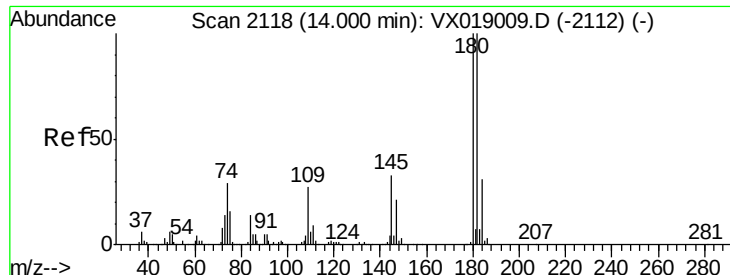
Tot Ion:180 Resp: 1183
 Ion Ratio Lower Upper
 180 100
 182 100.4 46.4 139.2
 145 27.9 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 0.304 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019047.D
 Acq: 22 Oct 2020 23:50

Tgt Ion:225 Resp: 714
 Ion Ratio Lower Upper
 225 100
 223 61.1 32.5 97.4
 227 53.2 31.9 95.7





#96

1,2,3-Trichlorobenzene

Concen: 0.248 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX019047.D

Acq: 22 Oct 2020 23:50

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

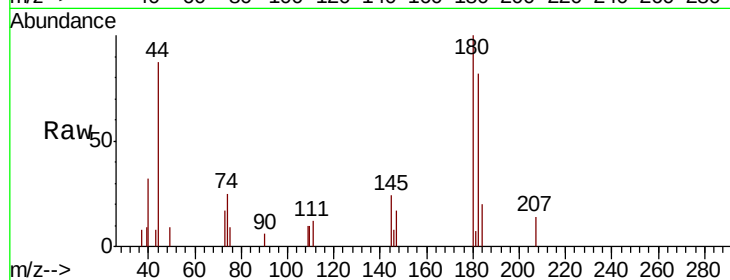
Tot Ion:180 Resp: 1223

Ion Ratio Lower Upper

180 100

182 80.4 47.3 142.0

145 26.2 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

