

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
 Data File : VX016457.D
 Acq On : 27 May 2020 19:53
 Operator : JC/SP
 Sample : L2750-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: May 28 02:58:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	285855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	460772	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	463395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233968	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	173091	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	5.47	113	135157	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	8.70	98	579494	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.12	95	235892	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	

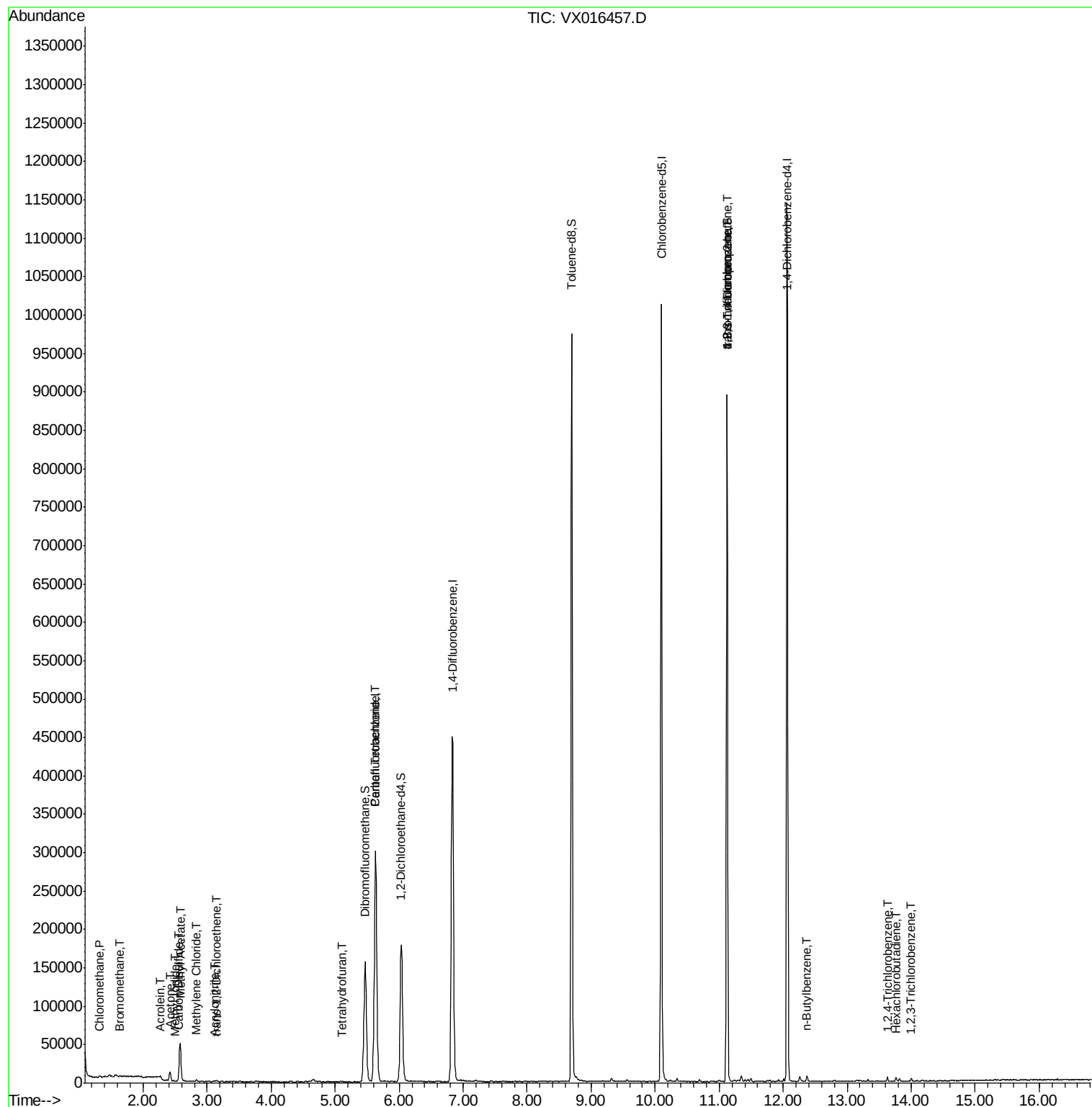
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	878	0.258	ug/l	97
5) Bromomethane	1.63	94	489	0.280	ug/l	92
10) Methyl Iodide	2.50	142	484	3.202	ug/l #	70
13) Acrolein	2.27	56	701	1.810	ug/l #	78
15) Acrylonitrile	3.13	53	782	0.419	ug/l #	89
16) Acetone	2.42	43	11799	7.586	ug/l	93
17) Carbon Disulfide	2.55	76	3055	0.374	ug/l	97
18) Methyl Acetate	2.58	43	11951	2.996	ug/l #	51
20) Methylene Chloride	2.84	84	796	0.247	ug/l #	65
21) trans-1,2-Dichloroethene	3.15	96	656	0.216	ug/l #	58
29) Tetrahydrofuran	5.12	42	374	0.220	ug/l #	32
38) Carbon Tetrachloride	5.63	117	27262	5.946	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	114294	22.224	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	114294	54.669	ug/l #	14
89) n-Butylbenzene	12.37	91	2350	0.208	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	1286	0.271	ug/l	91
94) Hexachlorobutadiene	13.77	225	768	0.413	ug/l	89
96) 1,2,3-Trichlorobenzene	14.00	180	1103	0.238	ug/l	86

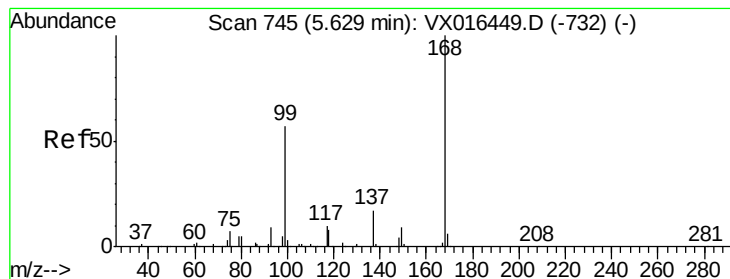
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052720\
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Quant Time: May 28 02:58:49 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

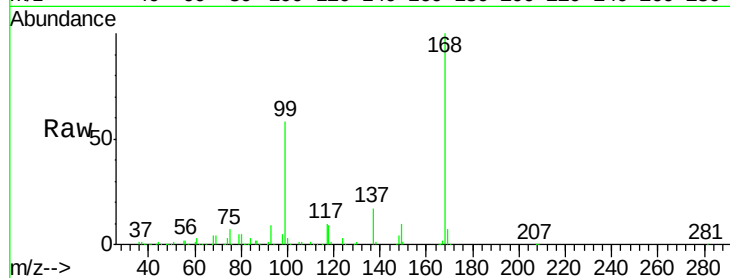
STORAGE-BLANK-SOIL-REF-5

Tot Ion:168 Resp: 285855

Ion Ratio Lower Upper

168 100

99 57.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

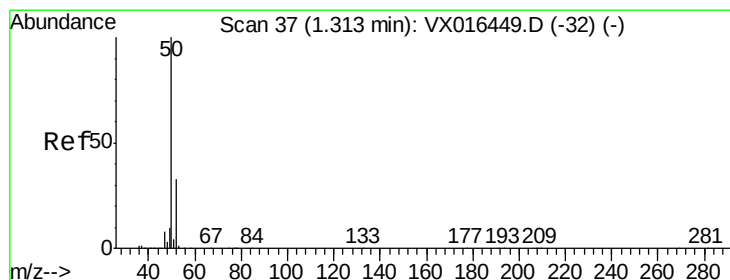
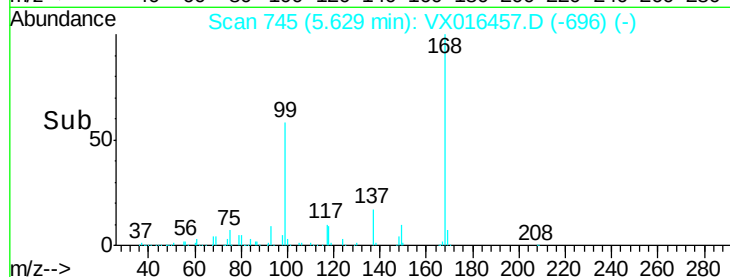
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.258 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016457.D

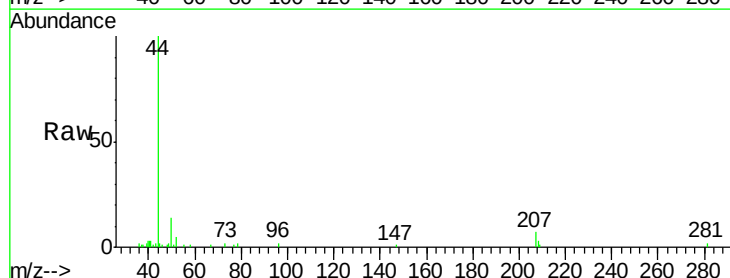
Acq: 27 May 2020 19:53

Tgt Ion: 50 Resp: 878

Ion Ratio Lower Upper

50 100

52 34.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

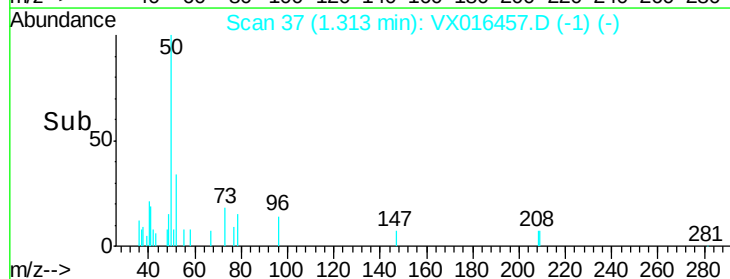
600

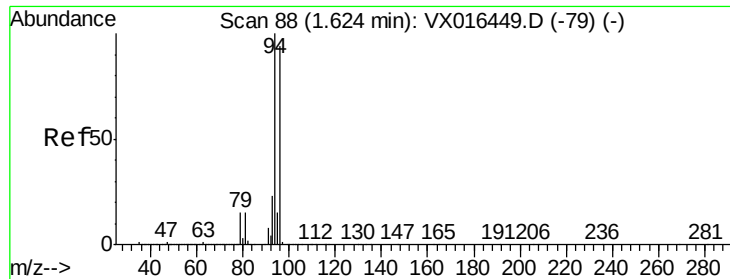
400

200

0

Time-->





#5

Bromomethane

Concen: 0.280 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

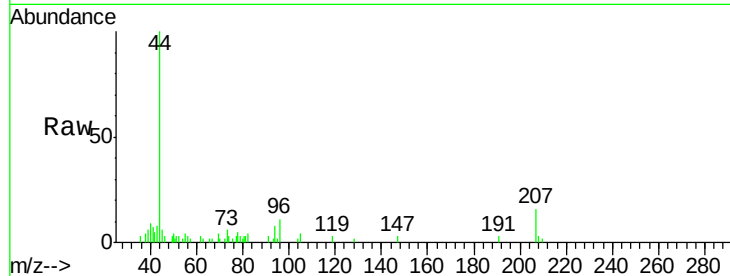
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 94 Resp: 489

Ion Ratio Lower Upper

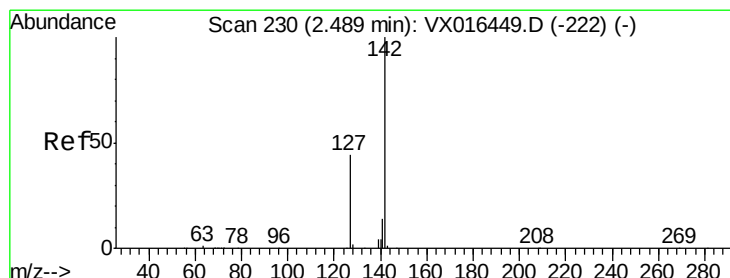
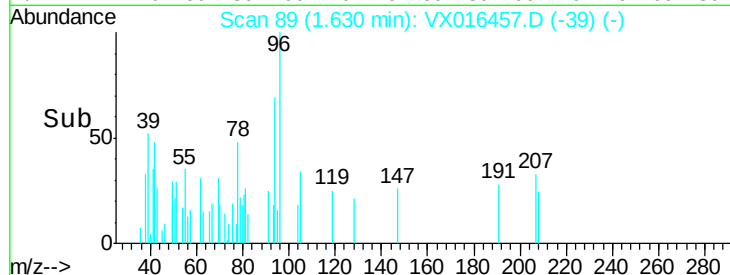
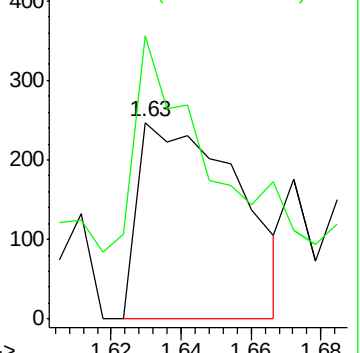
94 100

96 101.2 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 3.202 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

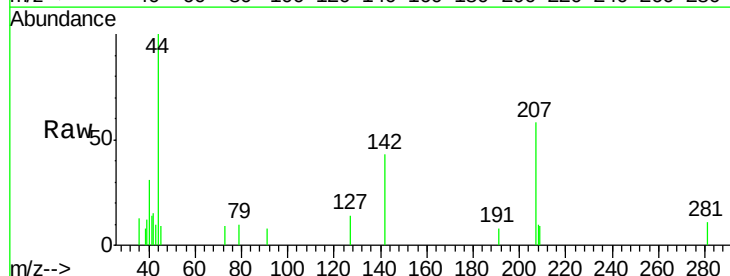
Tgt Ion: 142 Resp: 484

Ion Ratio Lower Upper

142 100

127 25.6 35.3 52.9#

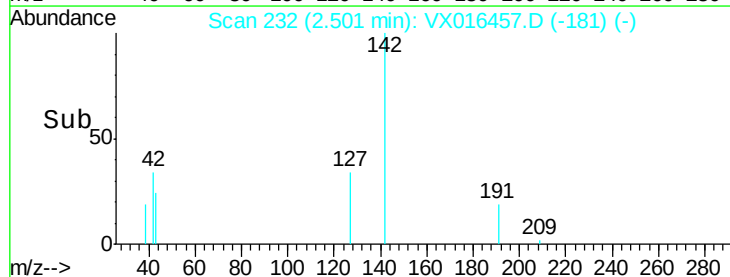
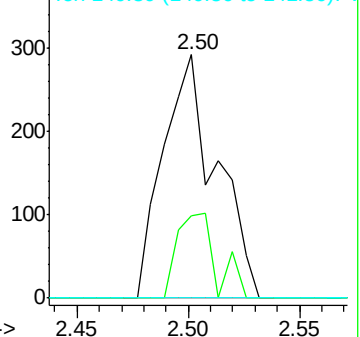
141 0.0 11.4 17.2#

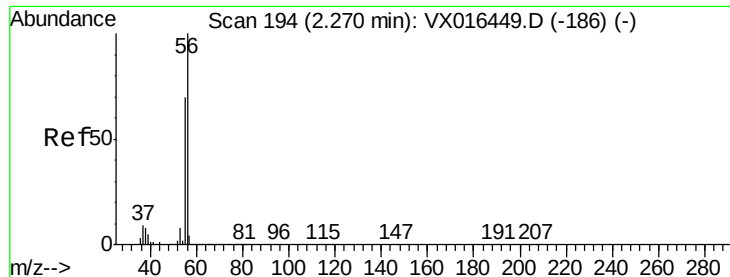


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

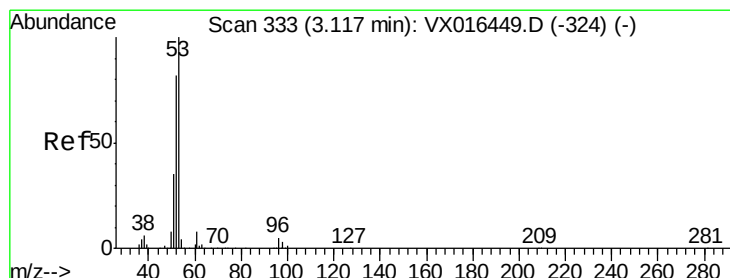
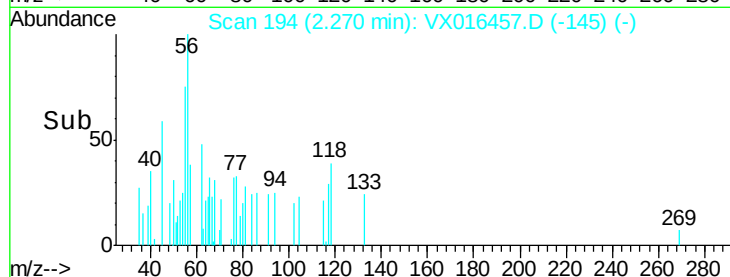
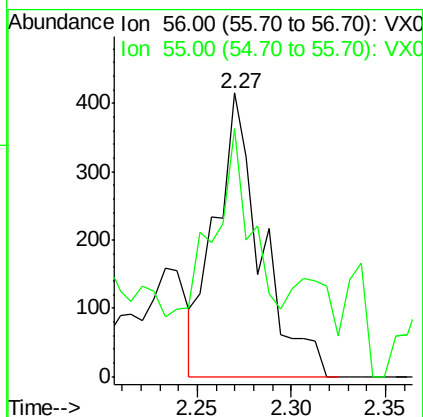
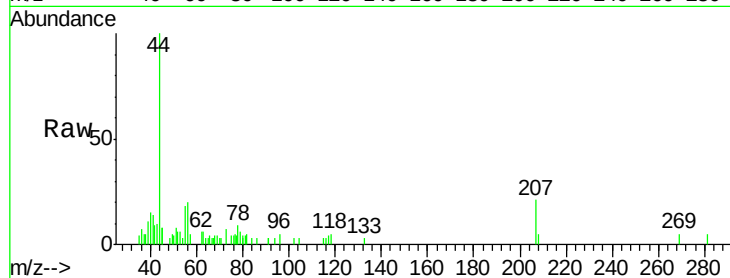




#13
Acrolein
Concen: 1.810 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016457.D
Acq: 27 May 2020 19:53

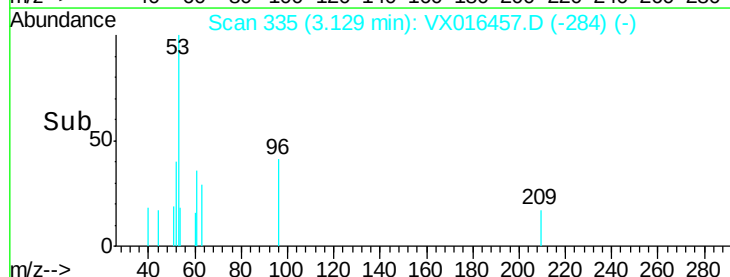
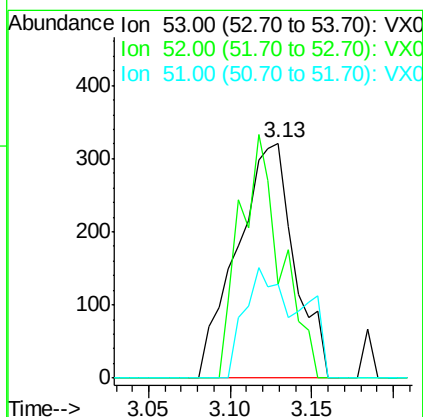
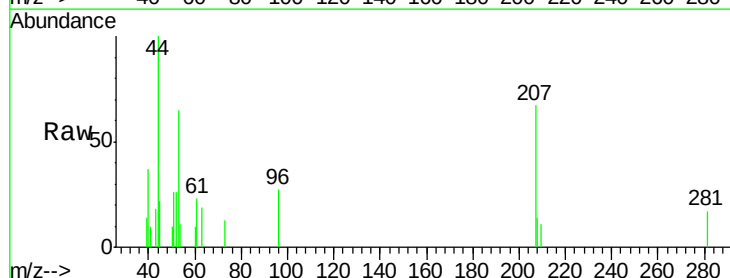
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

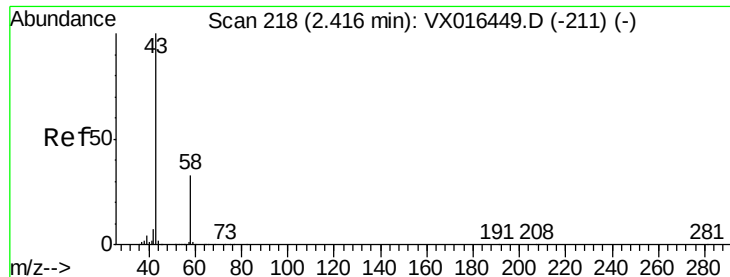
Tot Ion: 56 Resp: 701
Ion Ratio Lower Upper
56 100
55 54.6 58.3 87.5#



#15
Acrylonitrile
Concen: 0.419 ug/l
RT: 3.13 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX016457.D
Acq: 27 May 2020 19:53

Tgt Ion: 53 Resp: 782
Ion Ratio Lower Upper
53 100
52 75.1 66.7 100.1
51 45.5 28.6 43.0#





#16

Acetone

Concen: 7.586 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

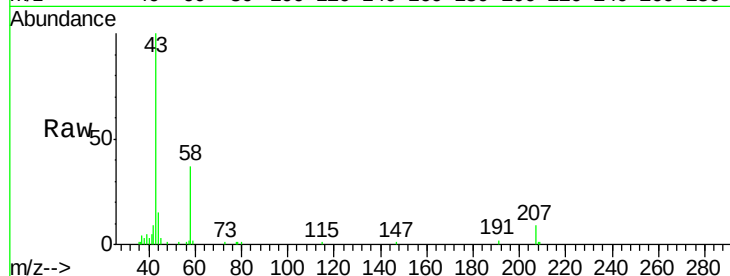
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 43 Resp: 11799

Ion Ratio Lower Upper

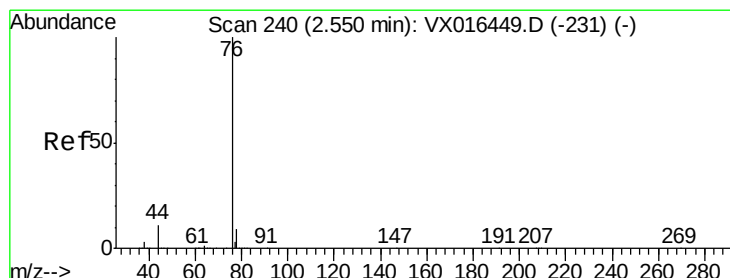
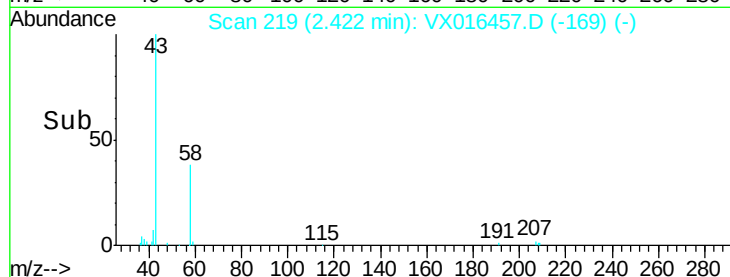
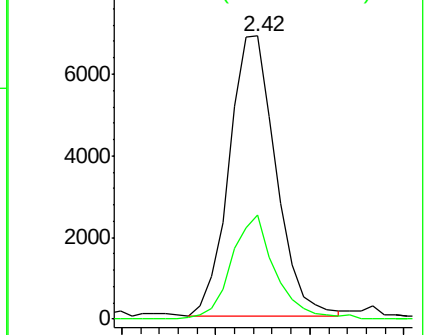
43 100

58 36.4 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.374 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016457.D

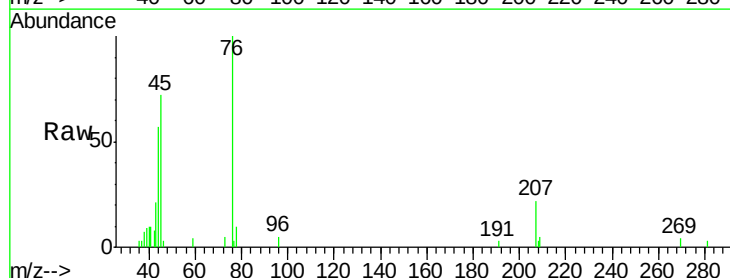
Acq: 27 May 2020 19:53

Tgt Ion: 76 Resp: 3055

Ion Ratio Lower Upper

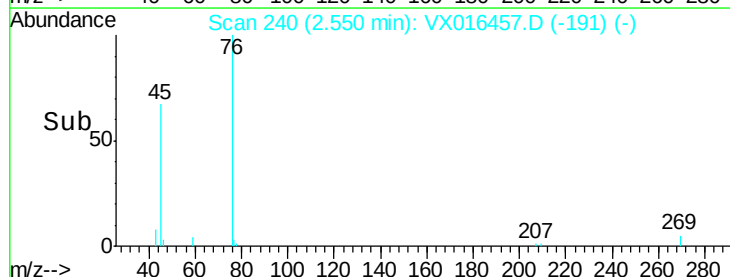
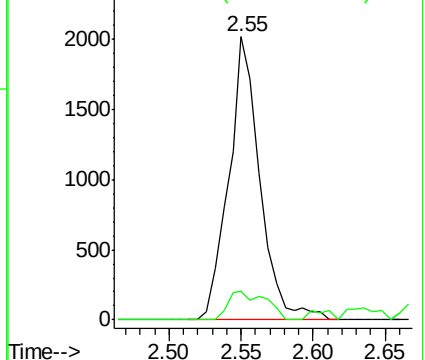
76 100

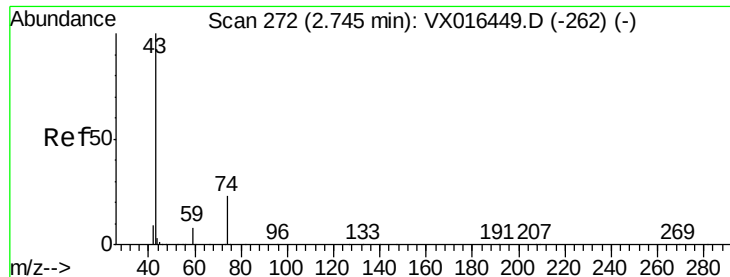
78 10.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

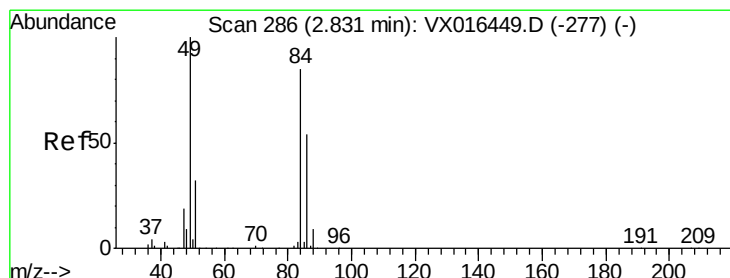
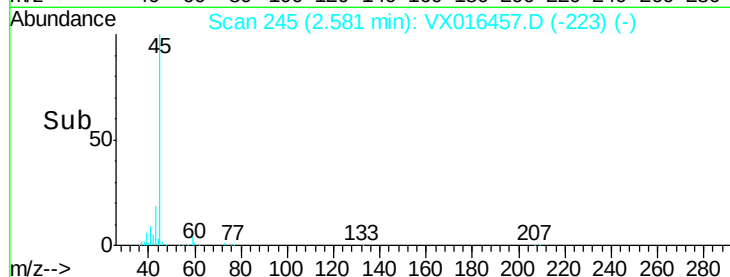
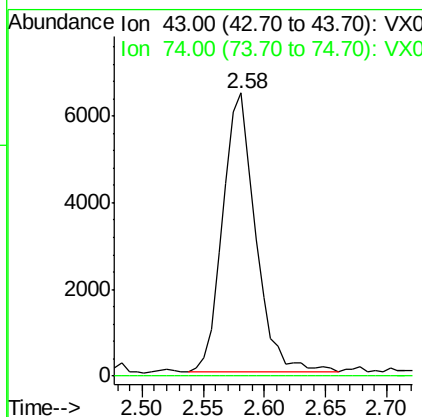
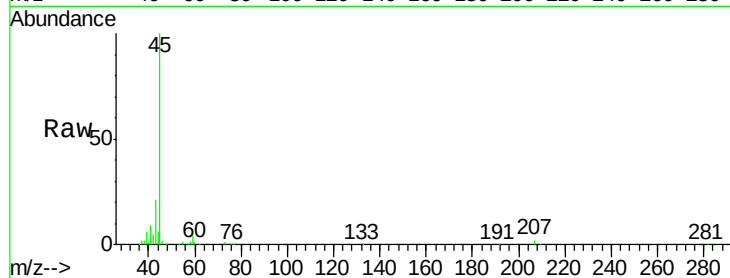




#18
Methyl Acetate
Concen: 2.996 ug/l
RT: 2.58 min Scan# 245
Delta R.T. -0.16 min
Lab File: VX016457.D
Acq: 27 May 2020 19:53

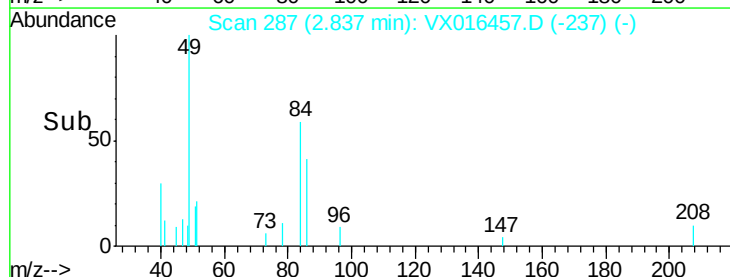
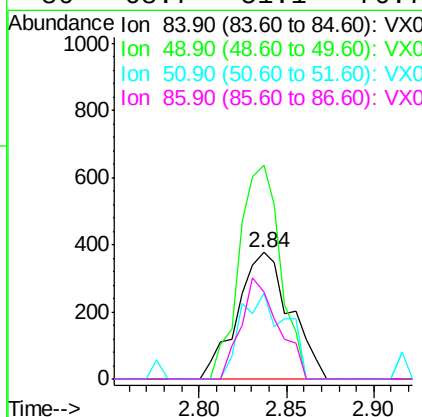
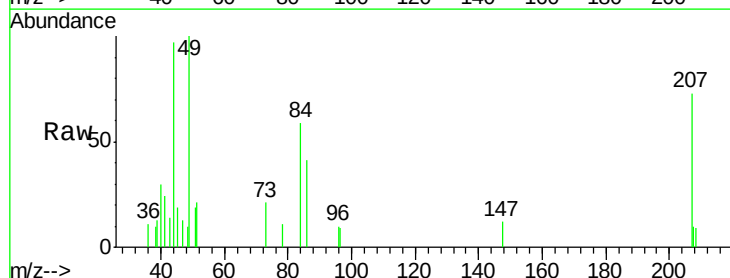
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

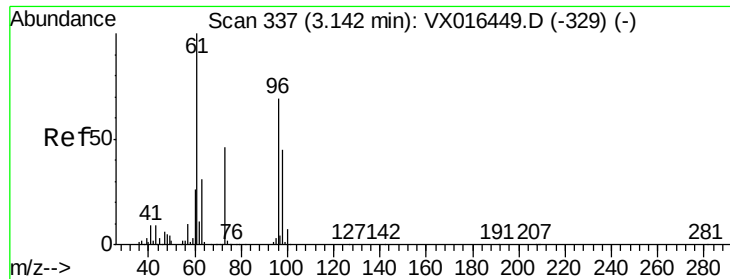
Tot Ion: 43 Resp: 11951
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016457.D
Acq: 27 May 2020 19:53

Tgt Ion: 84 Resp: 796
Ion Ratio Lower Upper
84 100
49 168.7 94.5 141.7#
51 67.4 30.2 45.4#
86 68.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 0.216 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

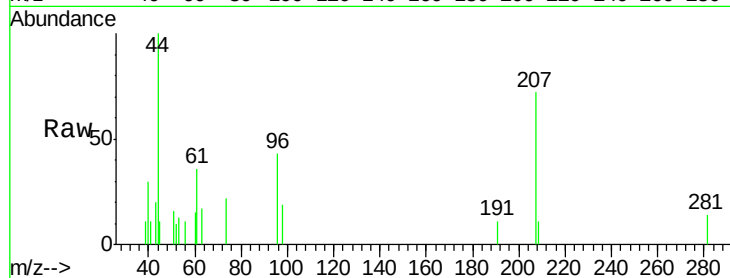
Tot Ion: 96 Resp: 656

Ion Ratio Lower Upper

96 100

61 83.8 115.3 172.9#

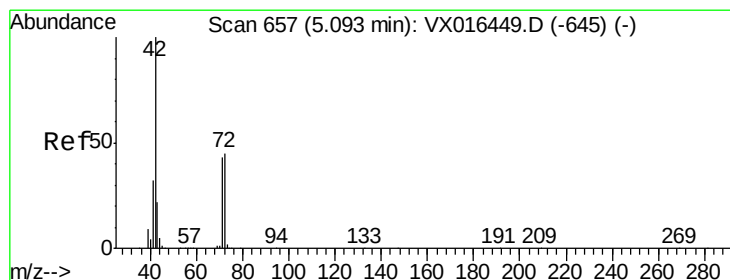
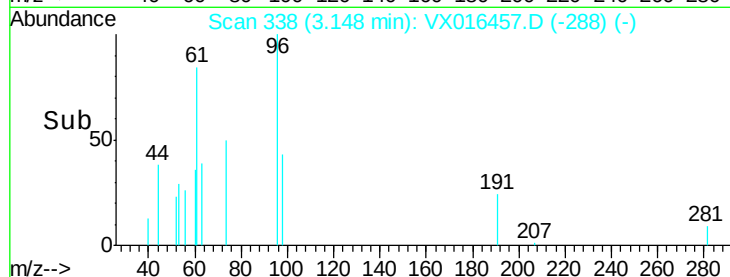
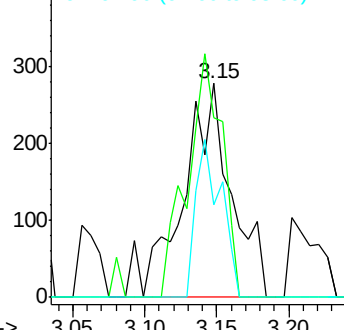
98 43.2 51.9 77.9#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

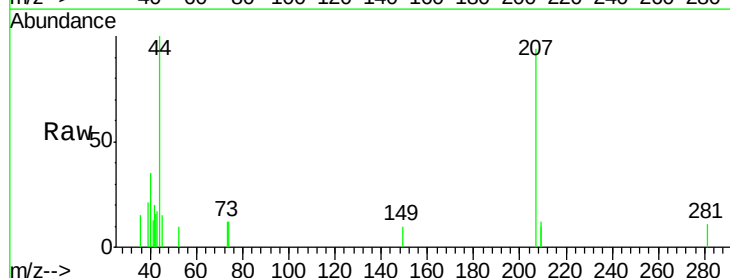
Tgt Ion: 42 Resp: 374

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

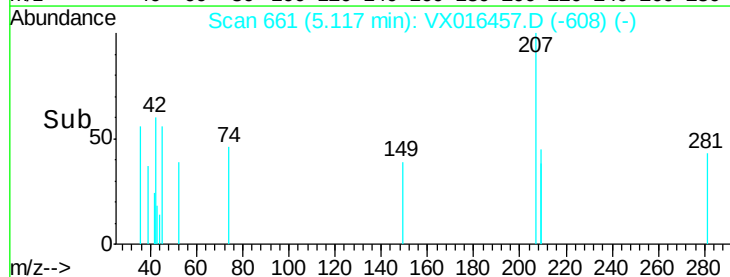
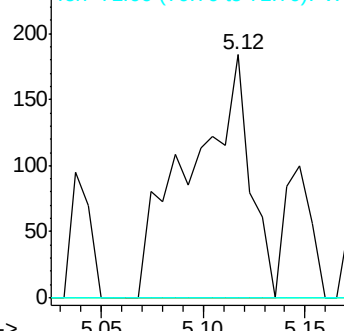
71 0.0 34.1 51.1#

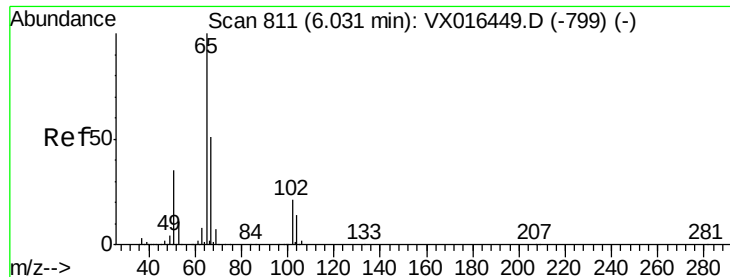


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

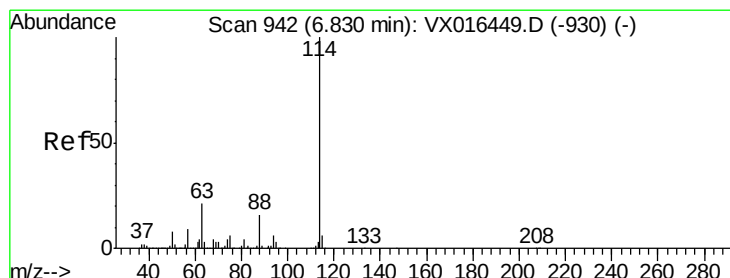
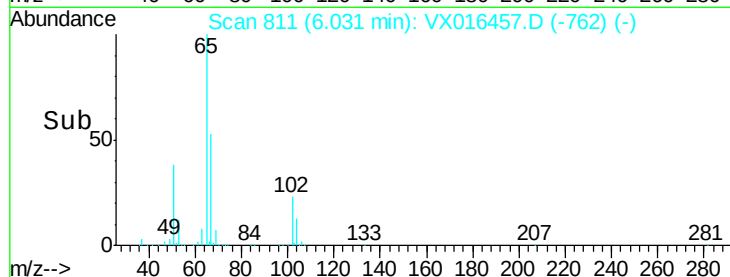
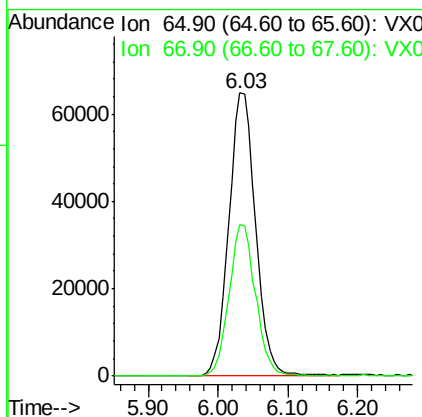
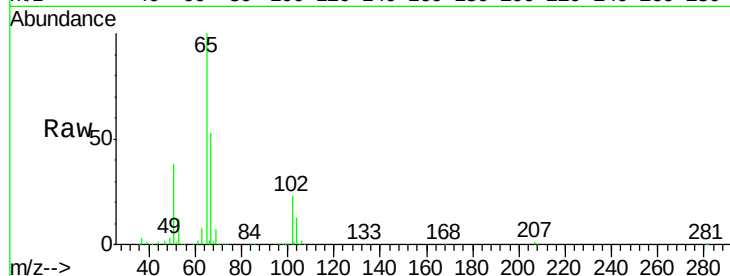




#33
 1,2-Dichloroethane-d4
 Concen: 48.759 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016457.D
 Acq: 27 May 2020 19:53

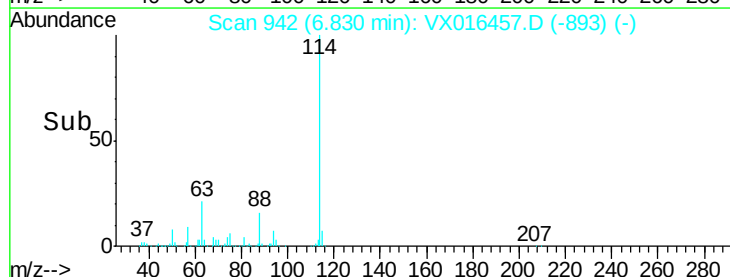
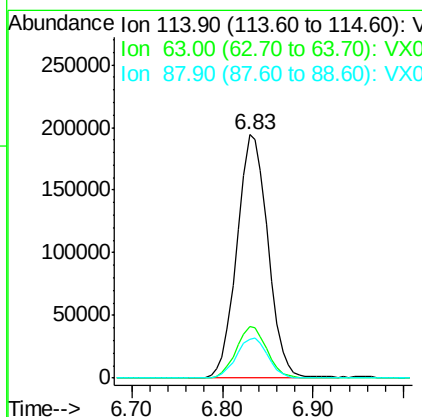
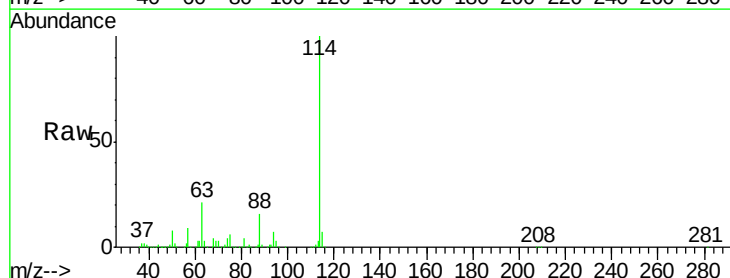
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

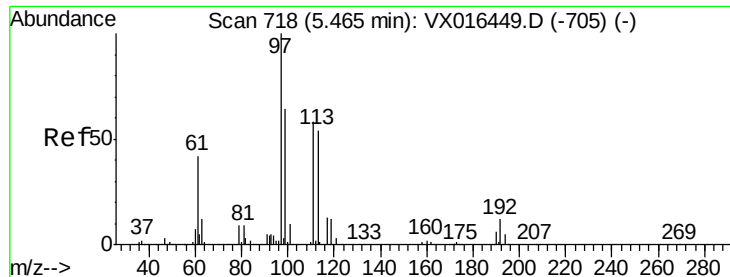
Tot Ion: 65 Resp: 173091
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016457.D
 Acq: 27 May 2020 19:53

Tgt Ion: 114 Resp: 460772
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.6
 88 15.9 0.0 32.8

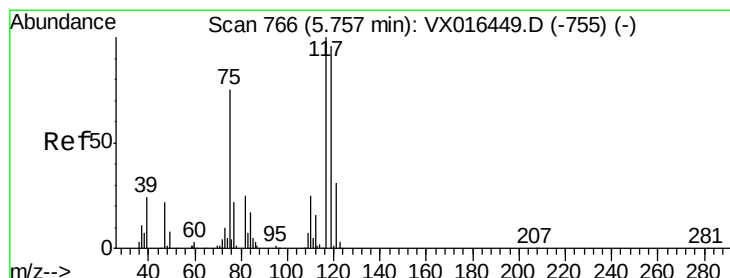
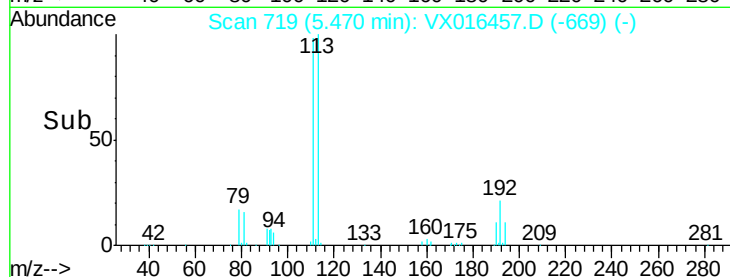
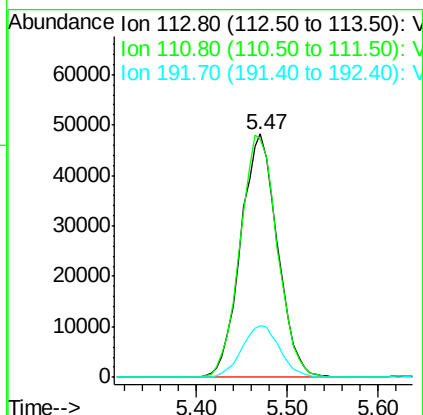
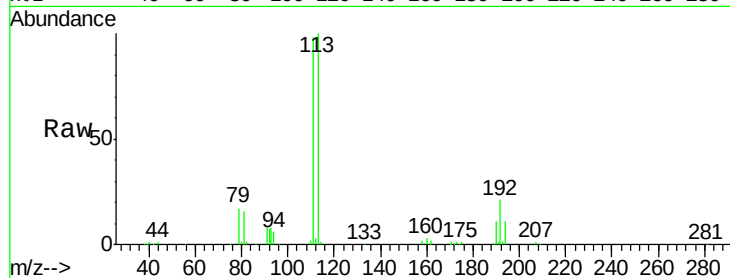




#35
 Dibromofluoromethane
 Concen: 47.638 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016457.D
 Acq: 27 May 2020 19:53

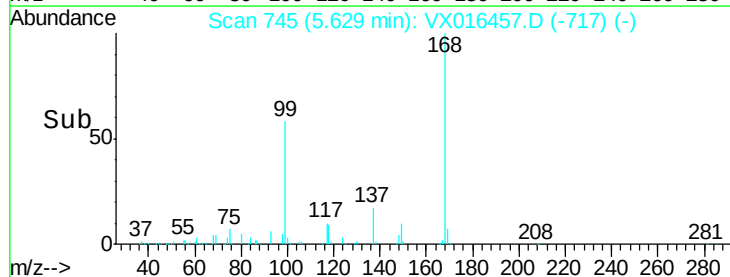
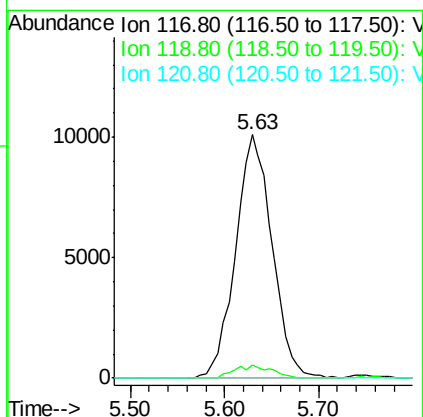
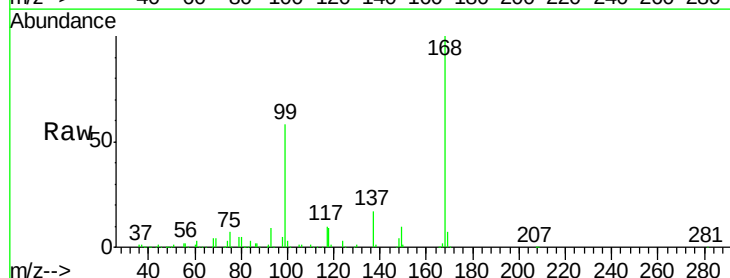
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

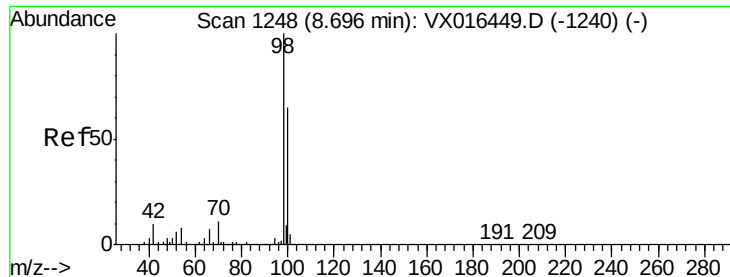
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.0	124.6
192	21.9	17.7	26.5



#38
 Carbon Tetrachloride
 Concen: 5.946 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016457.D
 Acq: 27 May 2020 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.3	114.5#
121	0.0	24.6	37.0#





#50

Toluene-d8

Concen: 52.476 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

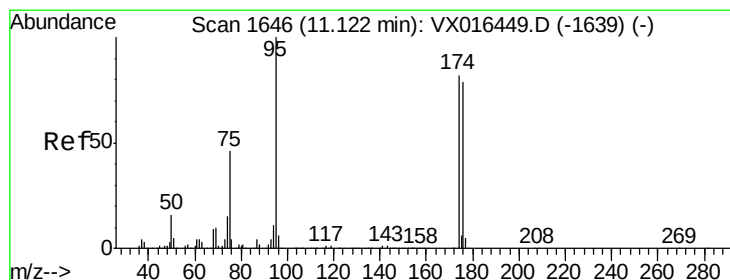
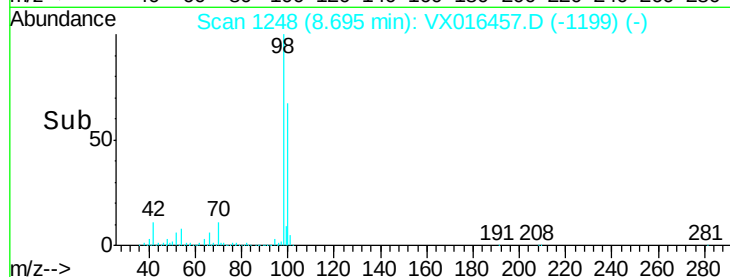
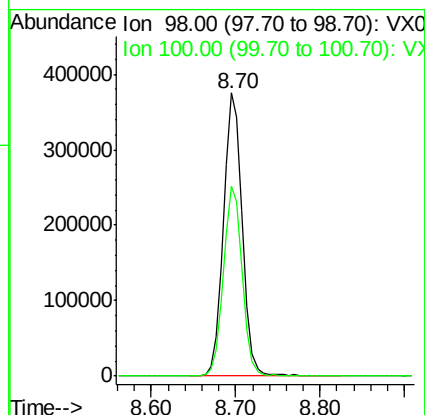
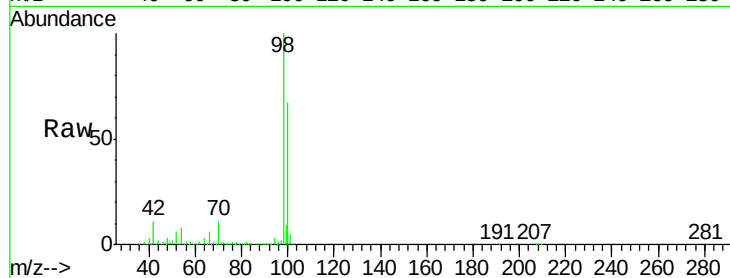
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 98 Resp: 579494

Ion Ratio Lower Upper

98 100

100 67.4 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 55.283 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

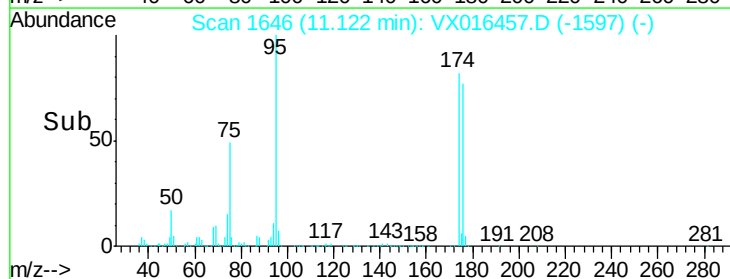
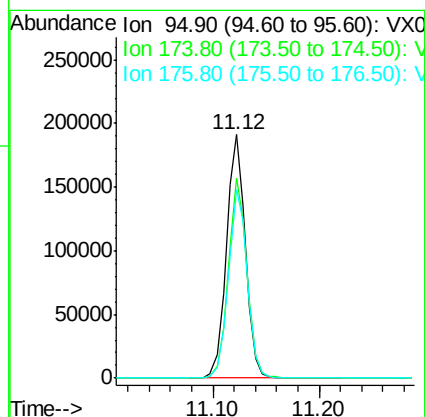
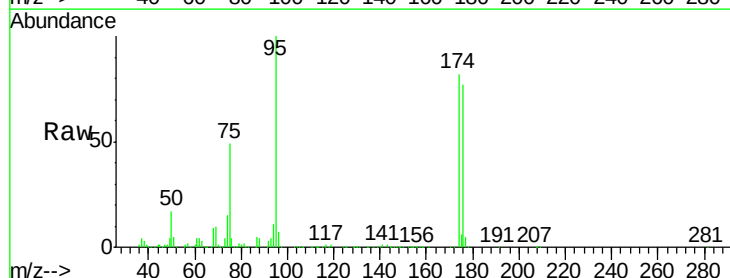
Tgt Ion: 95 Resp: 235892

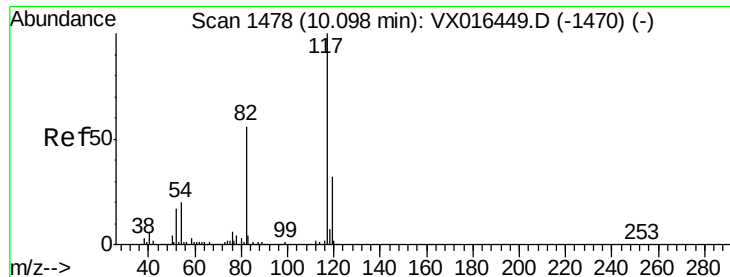
Ion Ratio Lower Upper

95 100

174 81.2 0.0 163.0

176 77.5 0.0 156.8

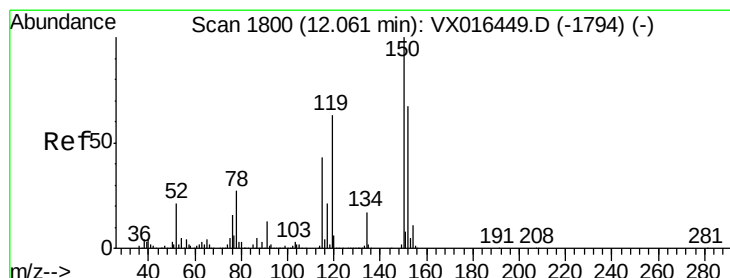
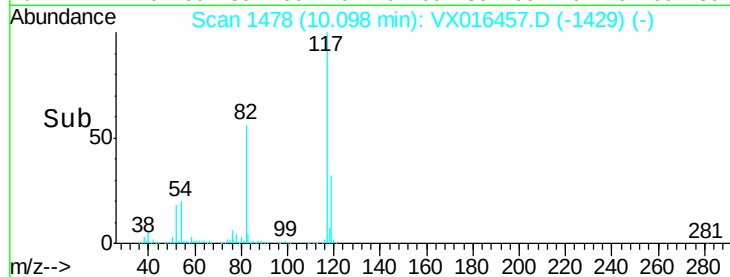
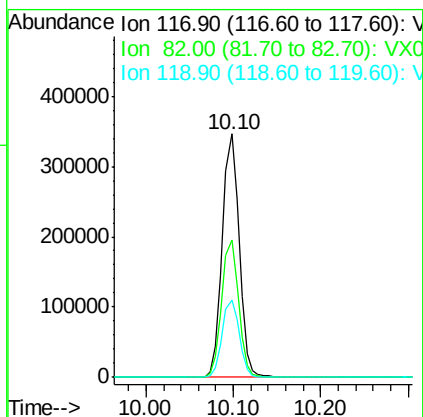
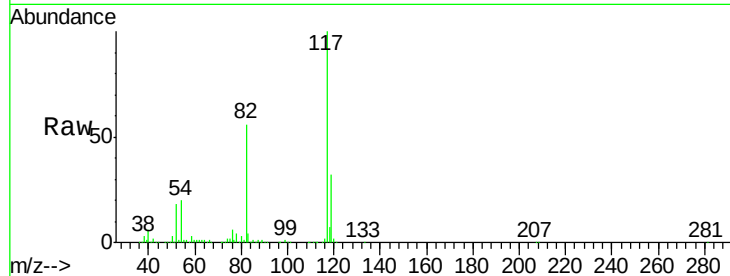




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016457.D
Acq: 27 May 2020 19:53

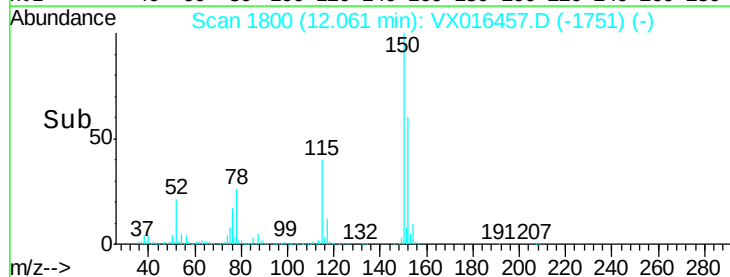
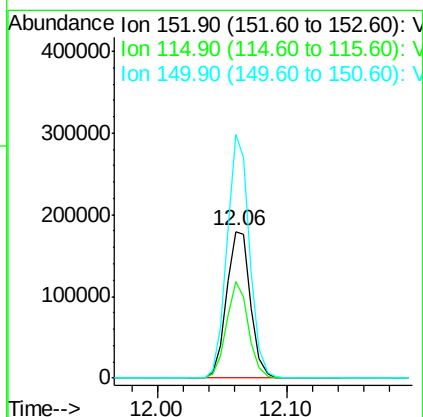
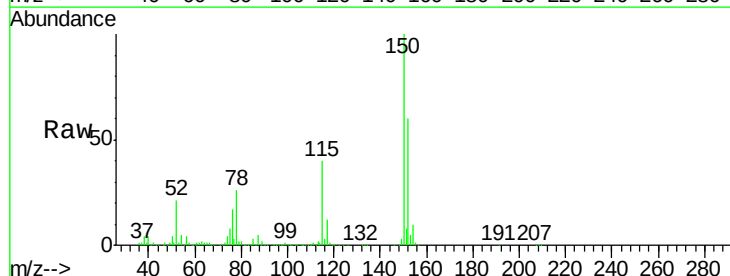
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

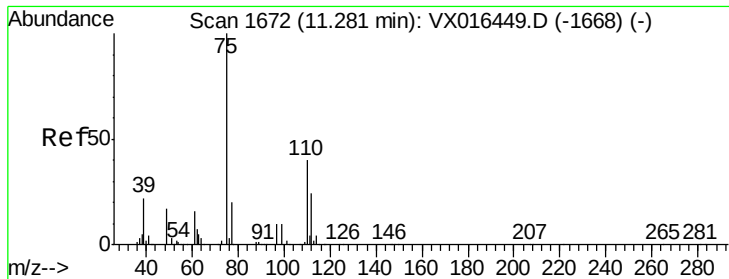
Tot Ion:117 Resp: 463395
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.6
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016457.D
Acq: 27 May 2020 19:53

Tgt Ion:152 Resp: 233968
Ion Ratio Lower Upper
152 100
115 60.4 39.9 119.6
150 156.6 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.224 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

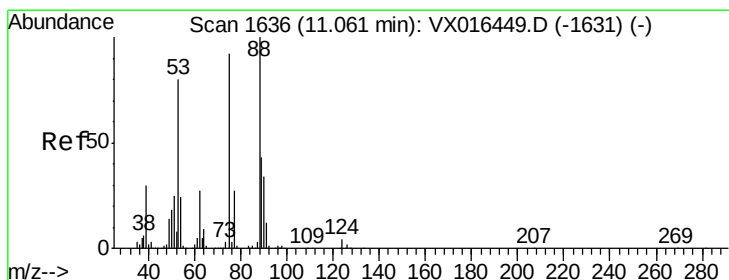
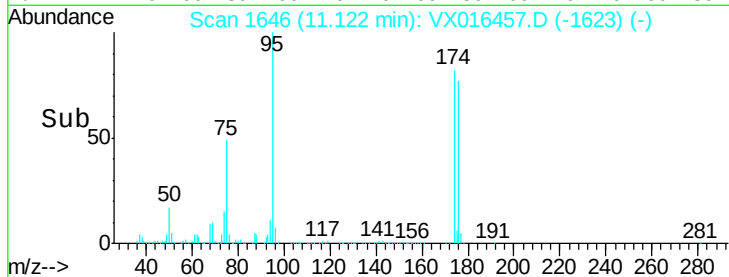
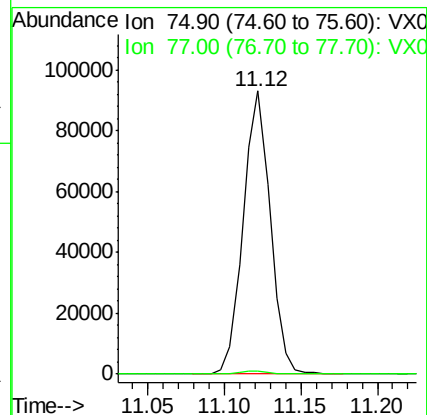
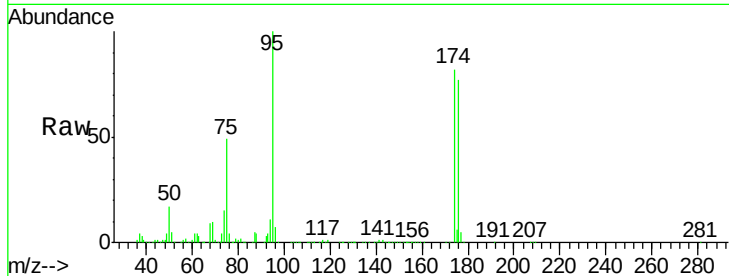
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 75 Resp: 114294

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.669 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

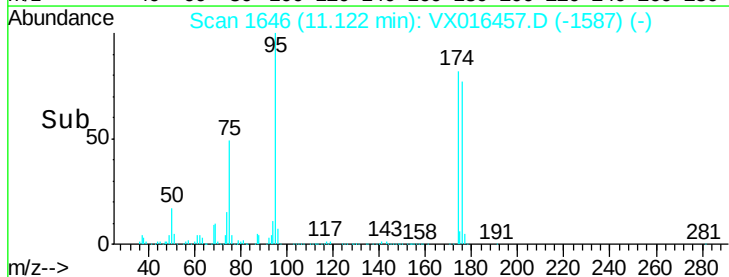
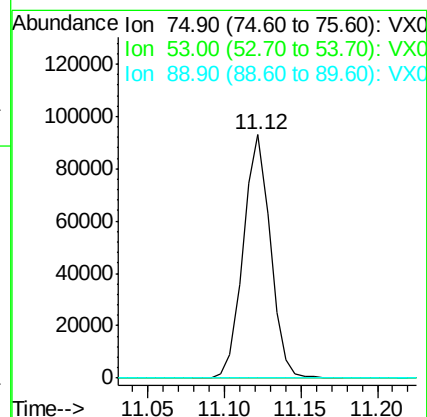
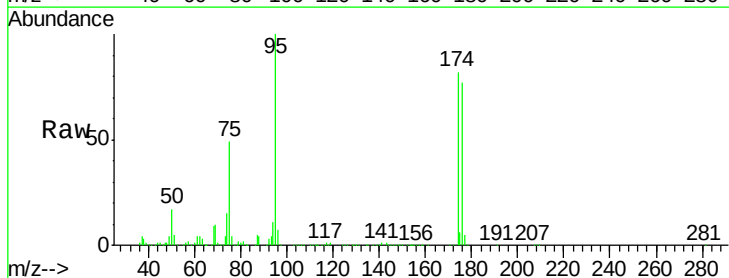
Tgt Ion: 75 Resp: 114294

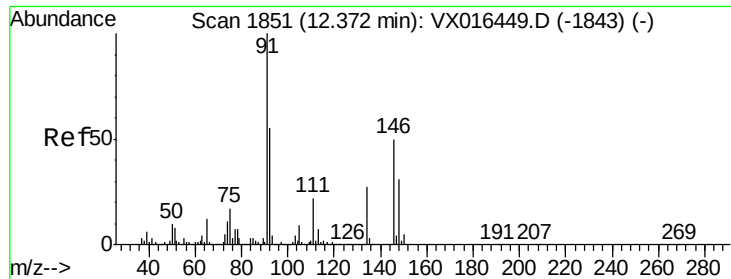
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#





#89

n-Butylbenzene

Concen: 0.208 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

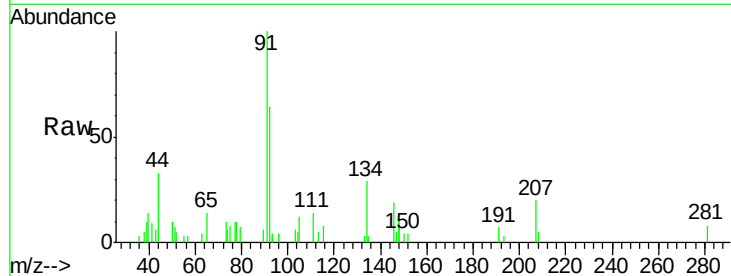
Tot Ion: 91 Resp: 2350

Ion Ratio Lower Upper

91 100

92 56.3 27.2 81.5

134 28.3 13.1 39.3

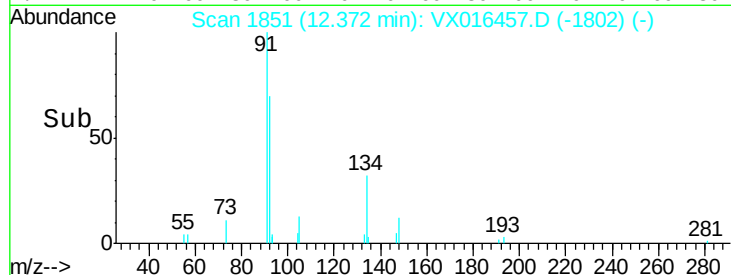


Abundance Ion 91.00 (90.70 to 91.70): VX016449.D (-1843) (-)

Ion 92.00 (91.70 to 92.70): VX016449.D (-1843) (-)

Ion 134.00 (133.70 to 134.70): VX016449.D (-1843) (-)

Time--> 12.30 12.35 12.40

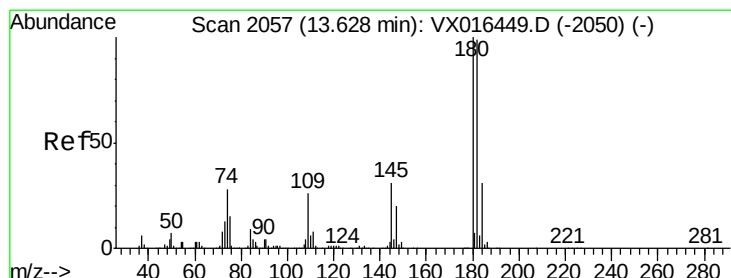


Abundance Ion 91.00 (90.70 to 91.70): VX016457.D (-1802) (-)

Ion 92.00 (91.70 to 92.70): VX016457.D (-1802) (-)

Ion 134.00 (133.70 to 134.70): VX016457.D (-1802) (-)

Time--> 12.30 12.35 12.40



#93

1,2,4-Trichlorobenzene

Concen: 0.271 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

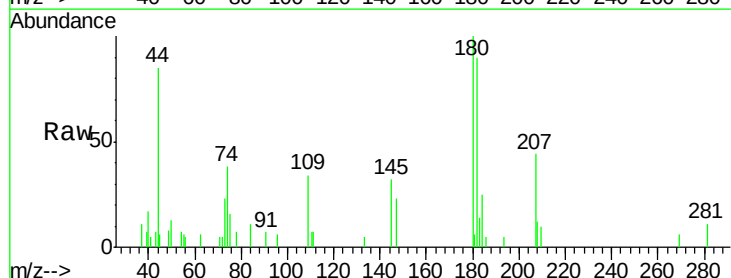
Tgt Ion: 180 Resp: 1286

Ion Ratio Lower Upper

180 100

182 105.4 48.3 144.8

145 34.6 15.4 46.2

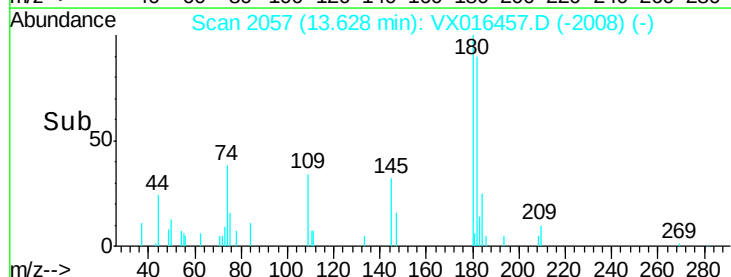


Abundance Ion 179.80 (179.50 to 180.50): VX016449.D (-2050) (-)

Ion 181.80 (181.50 to 182.50): VX016449.D (-2050) (-)

Ion 144.80 (144.50 to 145.50): VX016449.D (-2050) (-)

Time--> 13.60 13.65

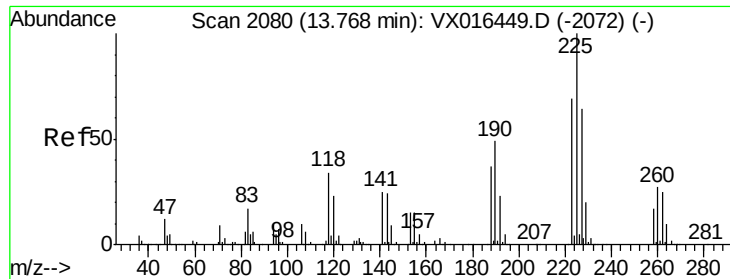


Abundance Ion 179.80 (179.50 to 180.50): VX016457.D (-2008) (-)

Ion 181.80 (181.50 to 182.50): VX016457.D (-2008) (-)

Ion 144.80 (144.50 to 145.50): VX016457.D (-2008) (-)

Time--> 13.60 13.65



#94

Hexachlorobutadiene

Concen: 0.413 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

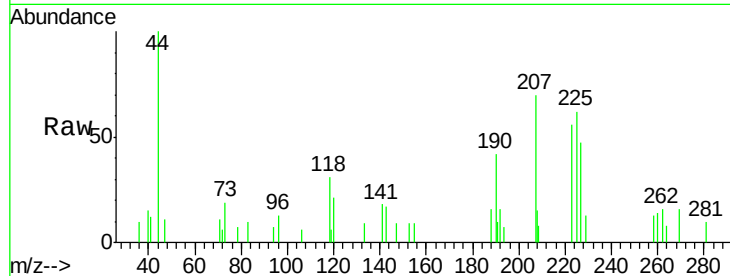
Instrument :

MSVOA_X

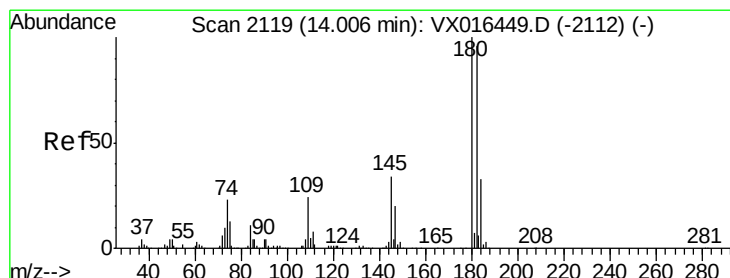
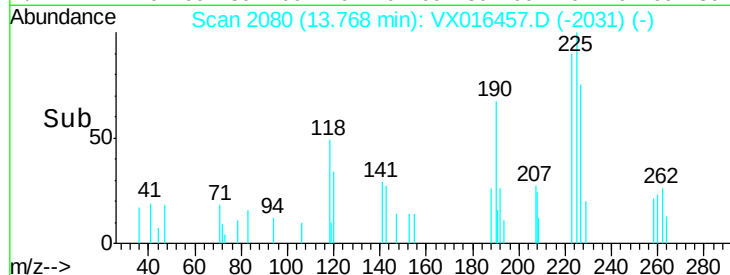
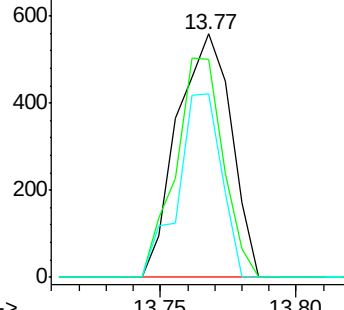
ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

Tot Ion:	225	Resp:	768
Ion	Ratio	Lower	Upper
225	100		
223	79.7	32.3	96.8
227	60.8	31.6	94.7



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



#96

1,2,3-Trichlorobenzene

Concen: 0.238 ug/l

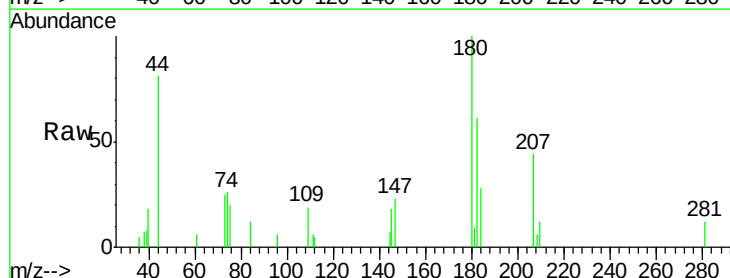
RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016457.D

Acq: 27 May 2020 19:53

Tgt Ion:	180	Resp:	1103
Ion	Ratio	Lower	Upper
180	100		
182	84.1	48.6	145.8
145	24.4	16.6	49.8



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

