

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
 Data File : VX016458.D
 Acq On : 27 May 2020 20:16
 Operator : JC/SP
 Sample : L2750-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 28 02:59:15 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

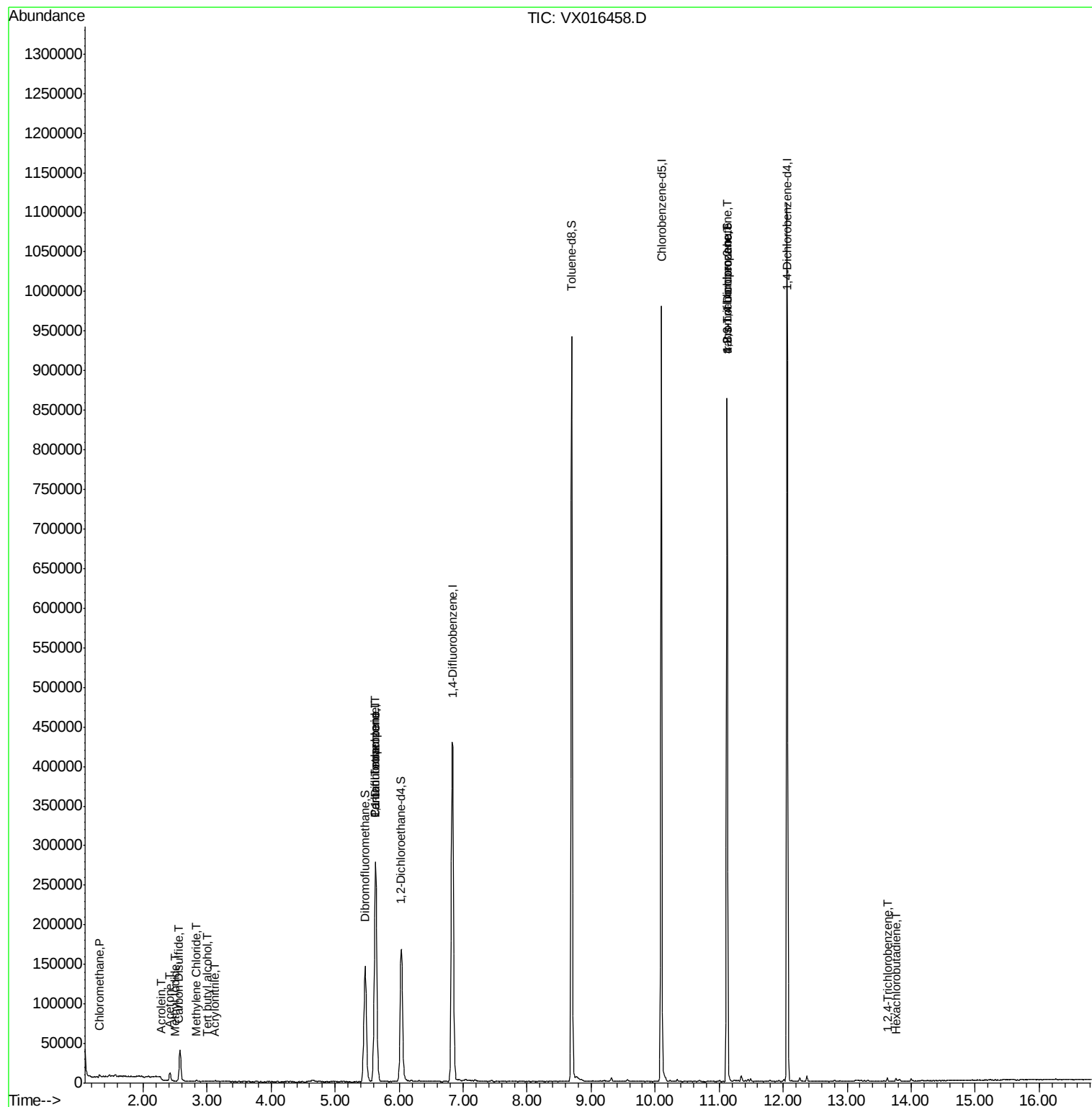
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	273571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	438969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	440495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222589	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	162697	47.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.78%	
35) Dibromofluoromethane	5.46	113	128233	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
50) Toluene-d8	8.70	98	552565	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.12	95	223883	55.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.14%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1805	0.555	ug/l	88
10) Methyl Iodide	2.50	142	203	3.119	ug/l #	74
11) Tert butyl alcohol	3.00	59	461	0.529	ug/l	97
13) Acrolein	2.28	56	395	1.066	ug/l #	64
15) Acrylonitrile	3.12	53	607	0.340	ug/l	93
16) Acetone	2.42	43	10338	6.945	ug/l	96
17) Carbon Disulfide	2.56	76	2318	0.297	ug/l	98
20) Methylene Chloride	2.83	84	651	0.211	ug/l #	78
36) 1,1-Dichloropropene	5.63	75	20086	4.833	ug/l #	51
38) Carbon Tetrachloride	5.64	117	27059	6.195	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	110439	22.573	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	110439	55.525	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1065	0.236	ug/l	91
94) Hexachlorobutadiene	13.77	225	540	0.305	ug/l	89

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

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Quant Time: May 28 02:59:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

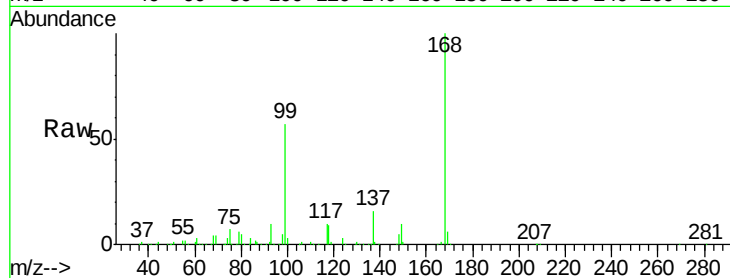
STORAGE-BLANK-SOIL-REF-4

Tot Ion:168 Resp: 273571

Ion Ratio Lower Upper

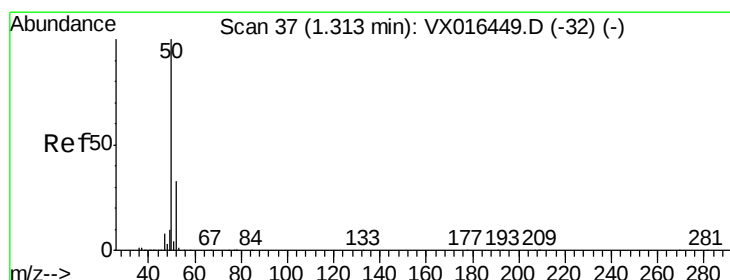
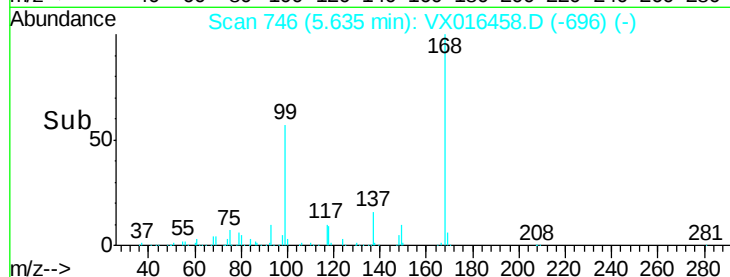
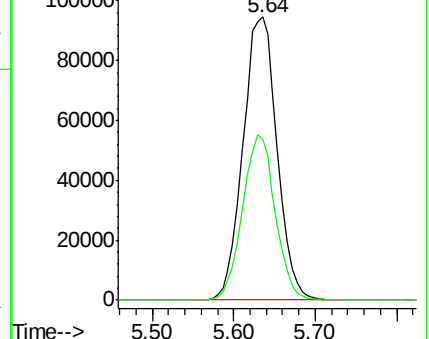
168 100

99 56.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.555 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016458.D

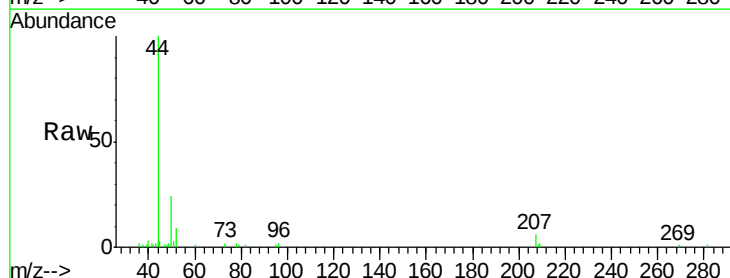
Acq: 27 May 2020 20:16

Tgt Ion: 50 Resp: 1805

Ion Ratio Lower Upper

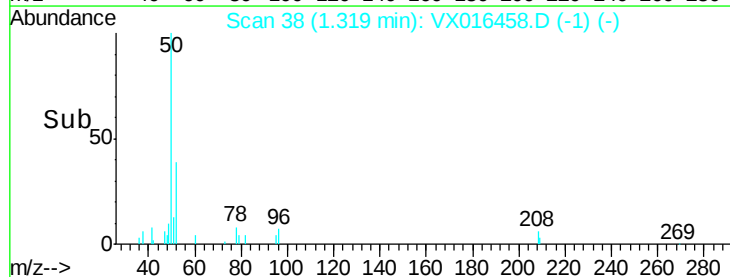
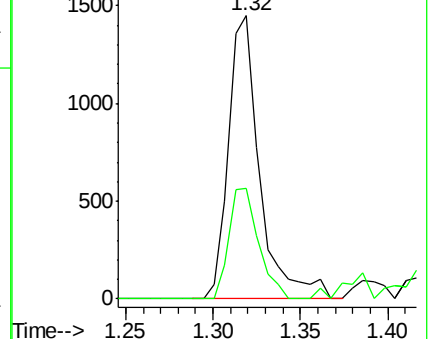
50 100

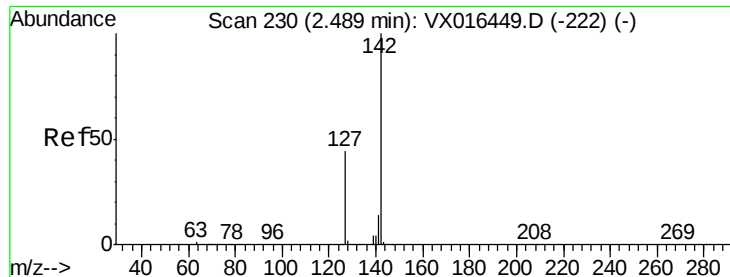
52 39.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

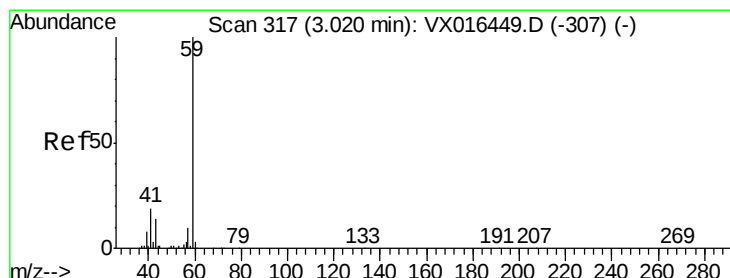
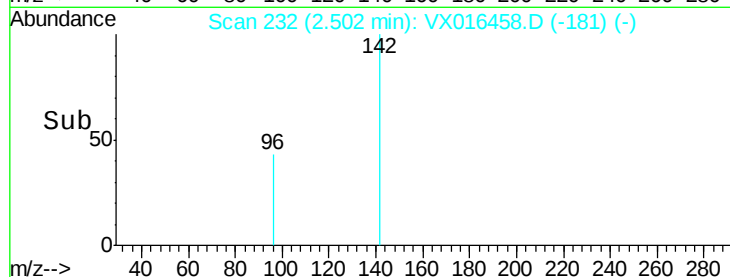
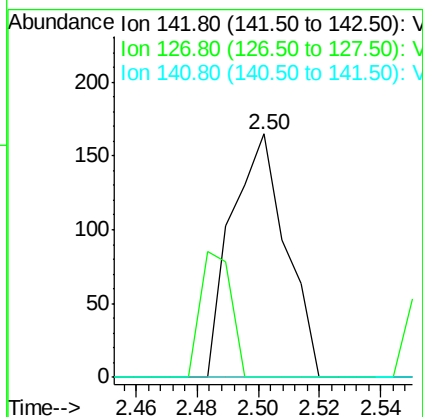
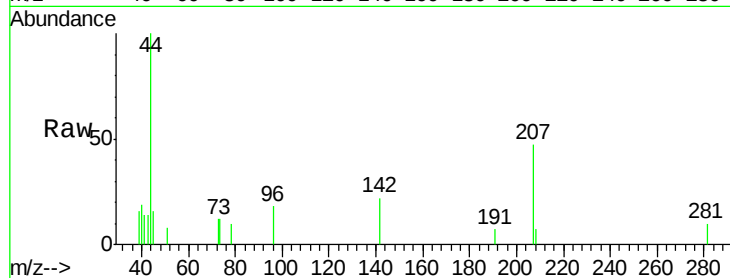




#10
Methyl Iodide
Concen: 3.119 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016458.D
Acq: 27 May 2020 20:16

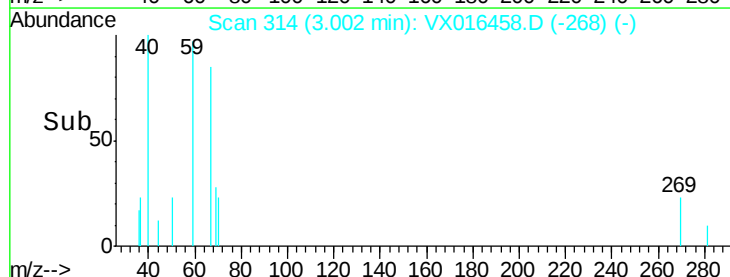
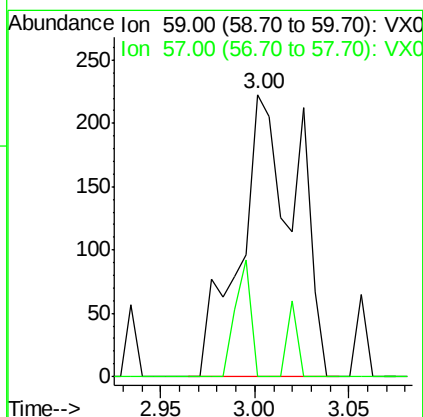
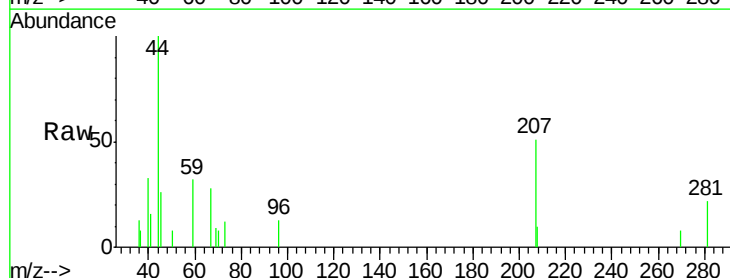
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

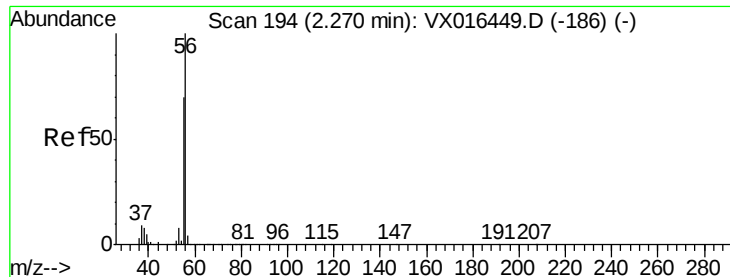
Tot Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
127 29.6 35.3 52.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.529 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016458.D
Acq: 27 May 2020 20:16

Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.4





#13

Acrolein

Concen: 1.066 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

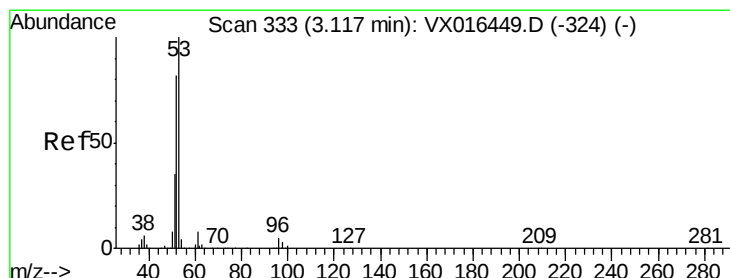
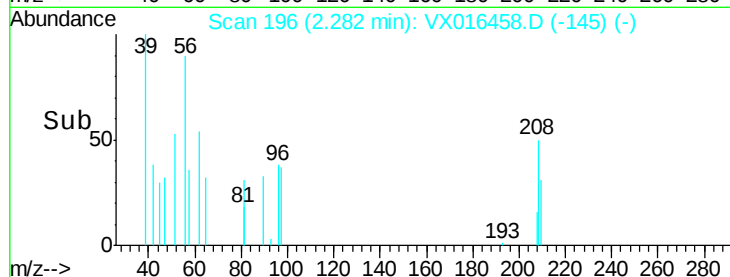
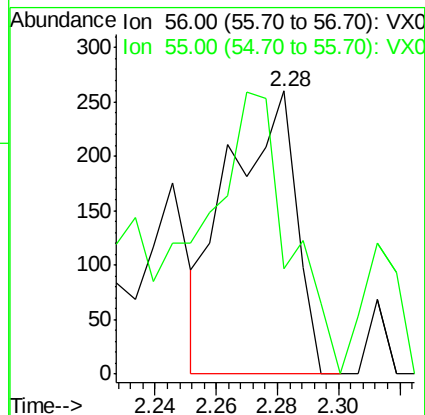
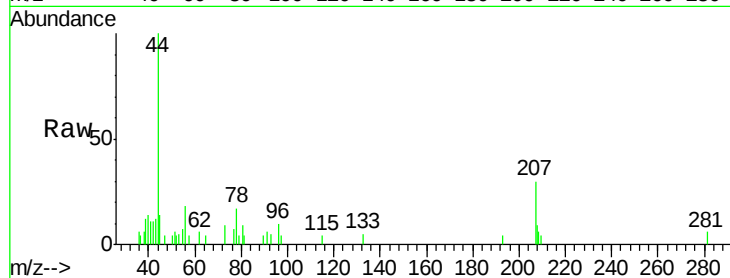
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 56 Resp: 395

Ion Ratio Lower Upper

56 100

55 102.8 58.3 87.5#



#15

Acrylonitrile

Concen: 0.340 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

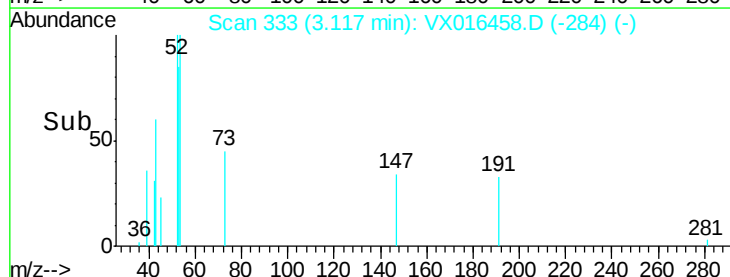
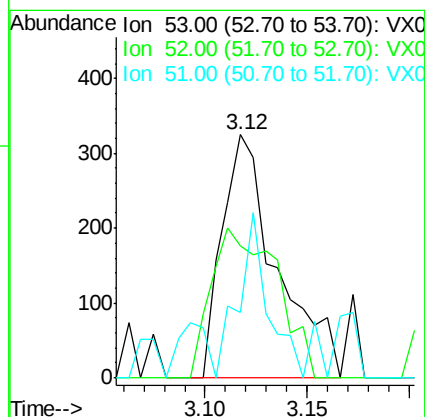
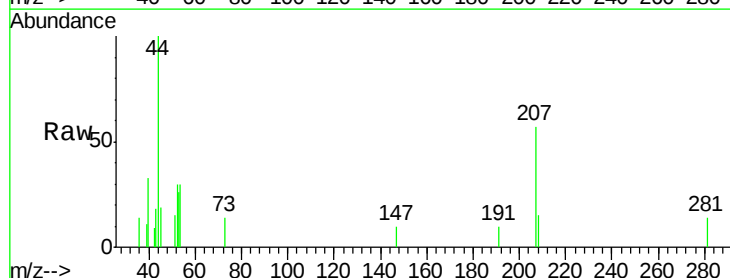
Tgt Ion: 53 Resp: 607

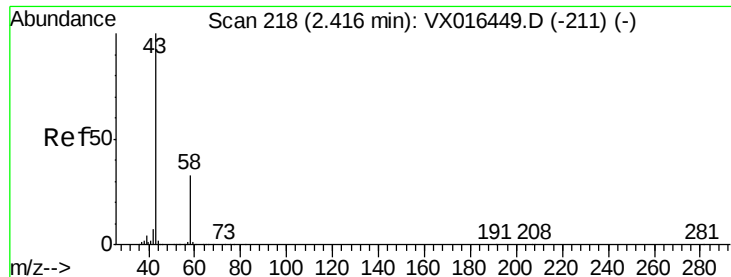
Ion Ratio Lower Upper

53 100

52 74.1 66.7 100.1

51 36.4 28.6 43.0

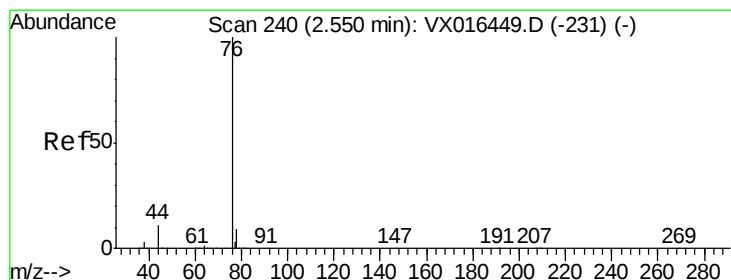
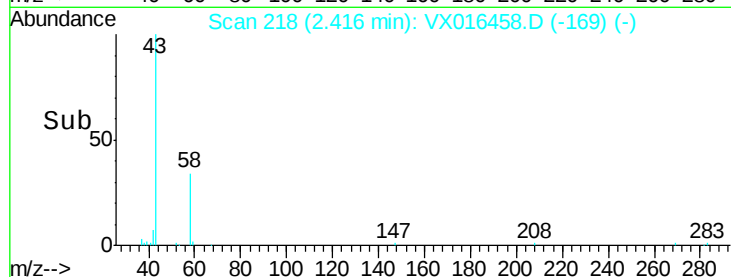
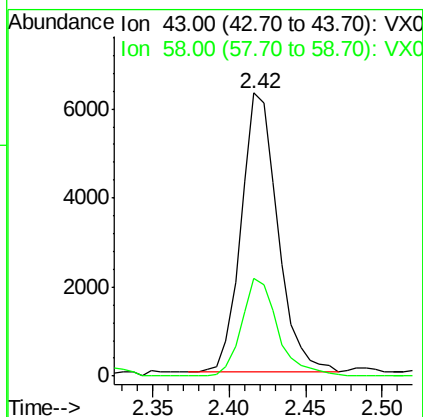
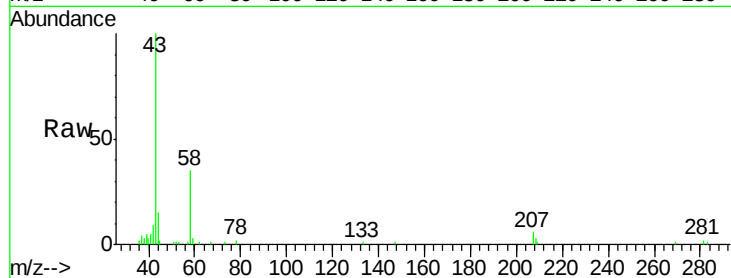




#16
Acetone
Concen: 6.945 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX016458.D
Acq: 27 May 2020 20:16

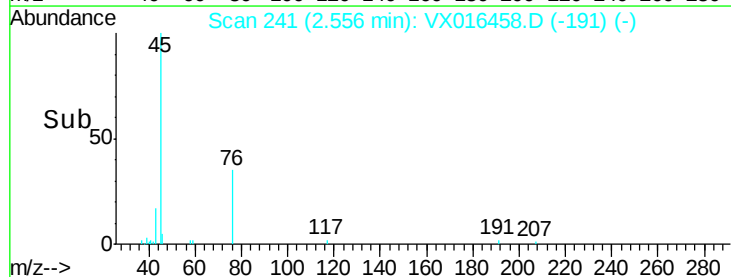
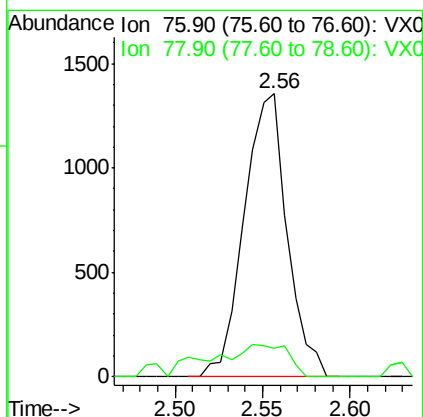
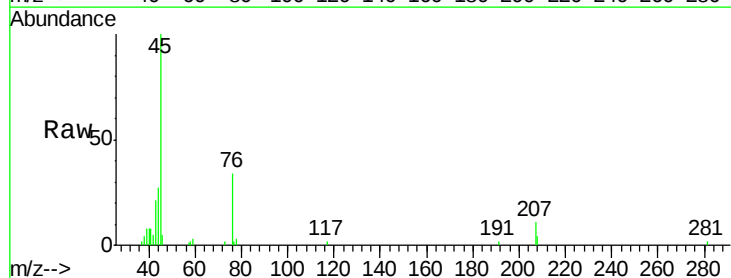
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

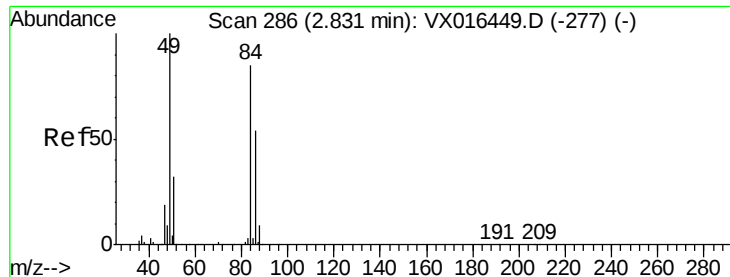
Tot Ion: 43 Resp: 10338
Ion Ratio Lower Upper
43 100
58 35.1 26.1 39.1



#17
Carbon Disulfide
Concen: 0.297 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX016458.D
Acq: 27 May 2020 20:16

Tgt Ion: 76 Resp: 2318
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0





#20

Methvlene Chloride

Concen: 0.211 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

Tot Ion: 84 Resp: 651

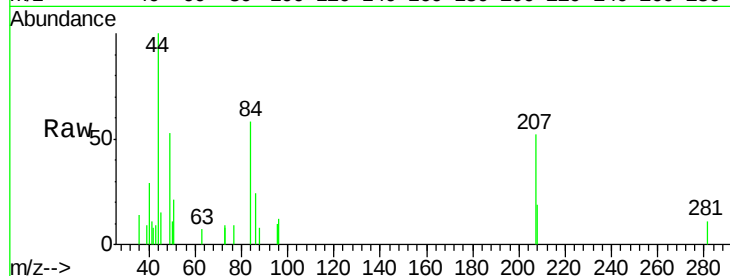
Ion Ratio Lower Upper

84 100

49 91.2 94.5 141.7#

51 35.7 30.2 45.4

86 41.3 51.1 76.7#

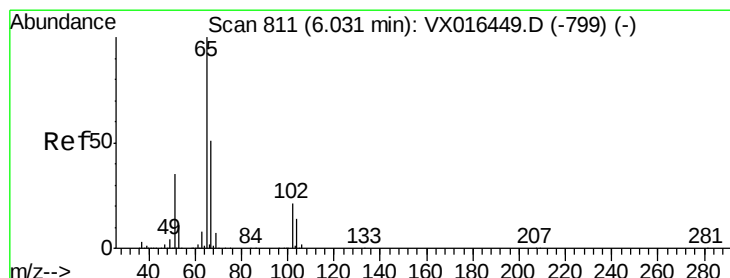
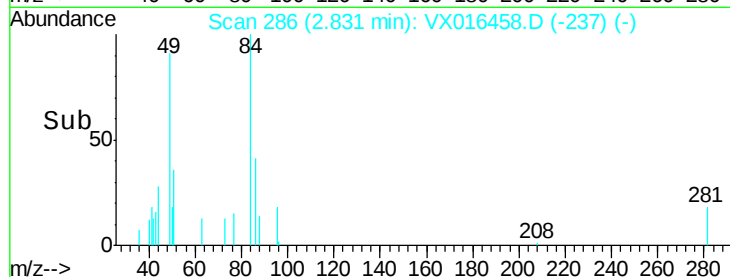
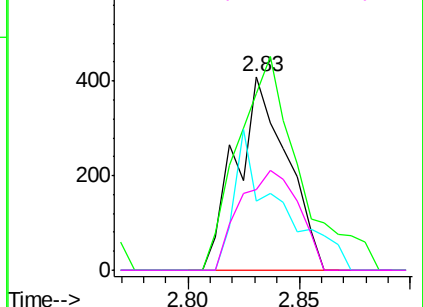


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.889 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016458.D

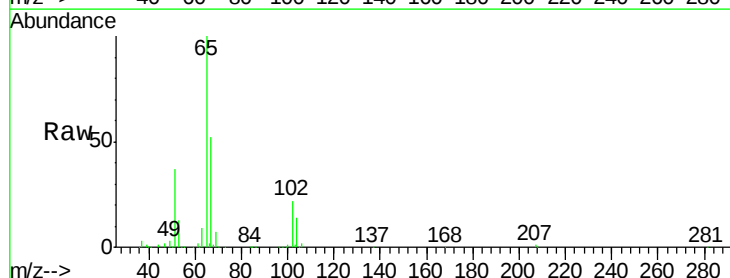
Acq: 27 May 2020 20:16

Tgt Ion: 65 Resp: 162697

Ion Ratio Lower Upper

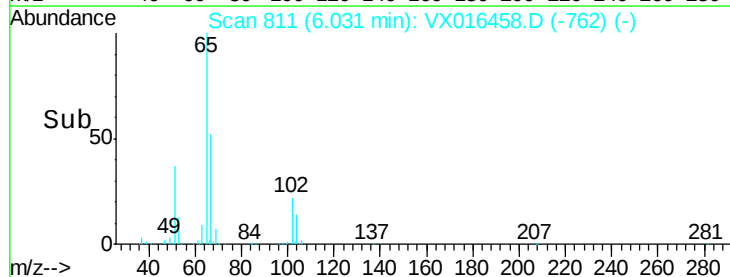
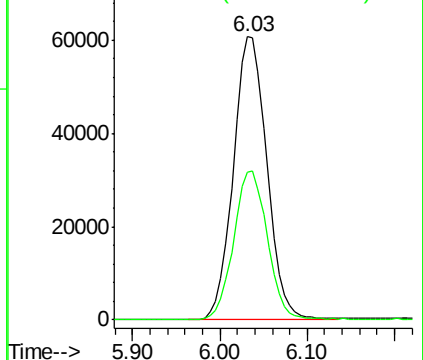
65 100

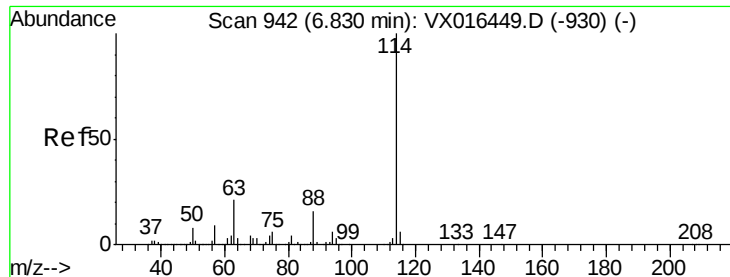
67 52.8 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

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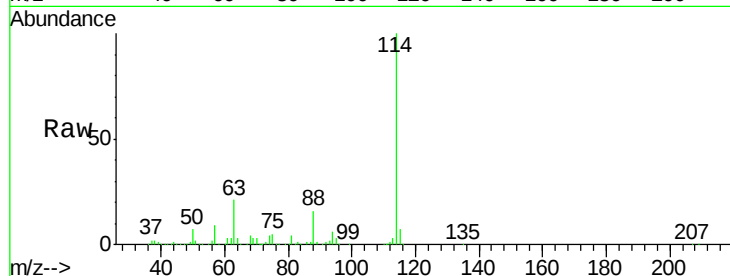
Tot Ion:114 Resp: 438969

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

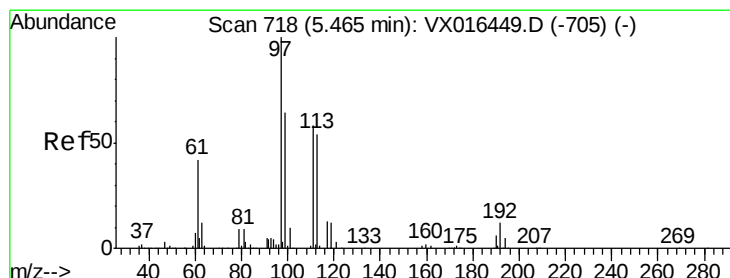
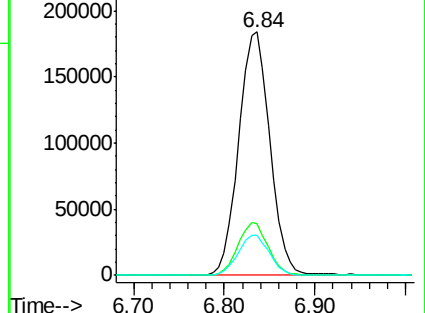
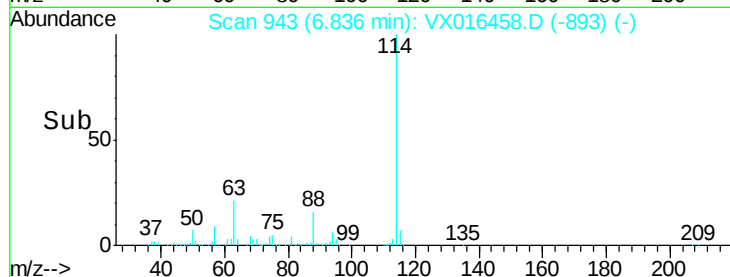
88 16.4 0.0 32.8



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: 47.442 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

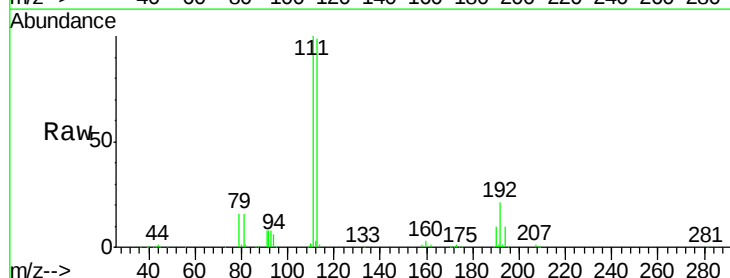
Tgt Ion:113 Resp: 128233

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

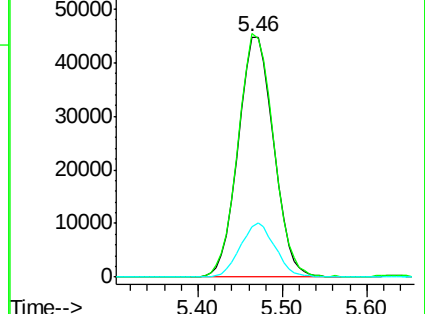
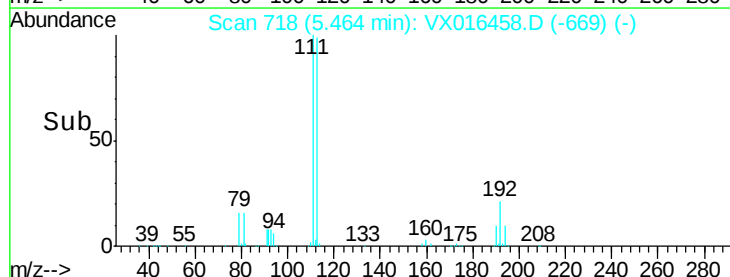
192 22.0 17.7 26.5

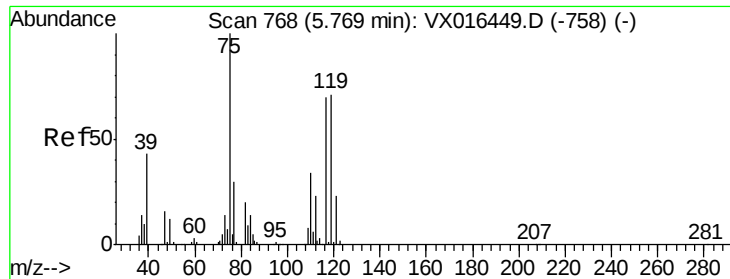


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

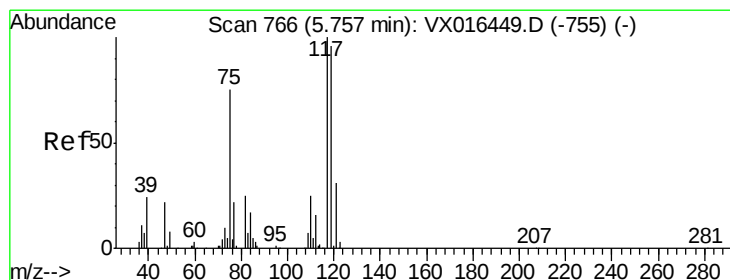
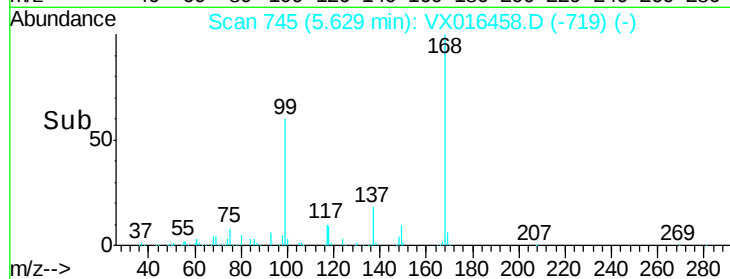
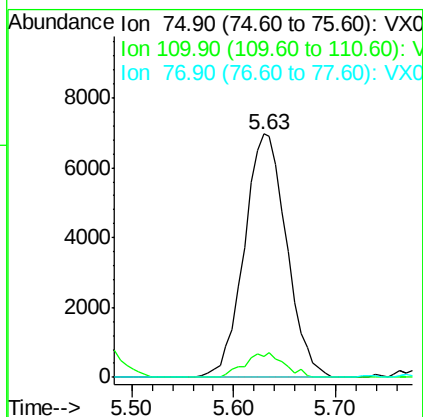
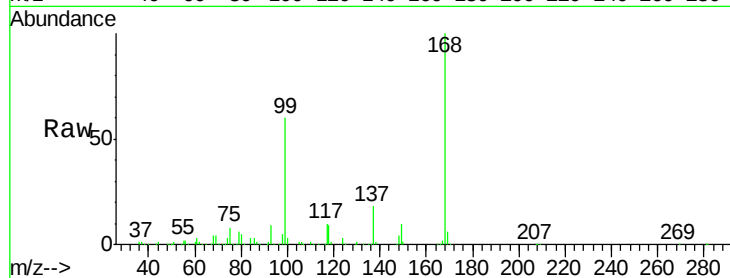




#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016458.D
 Acq: 27 May 2020 20:16

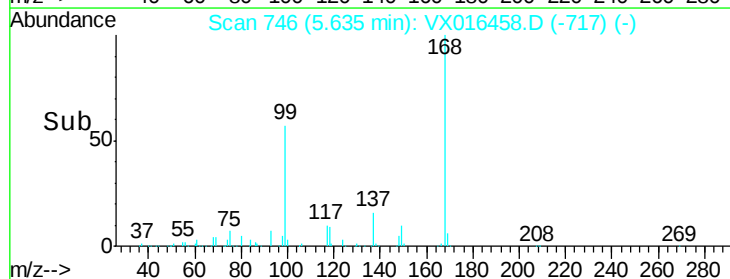
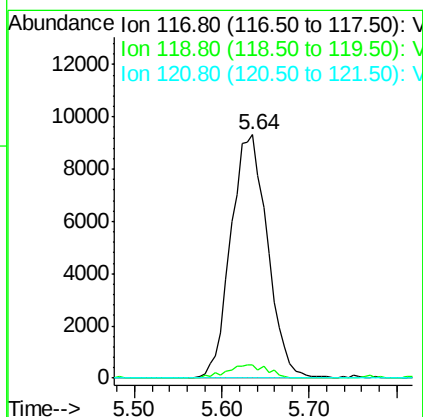
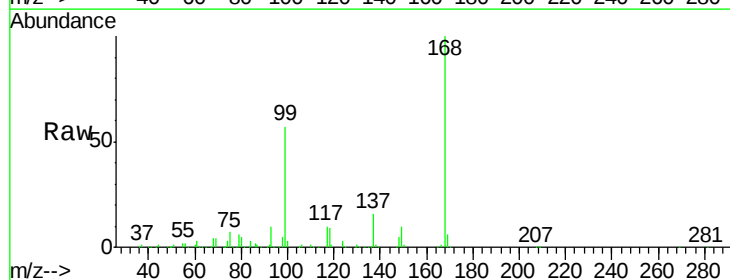
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-4

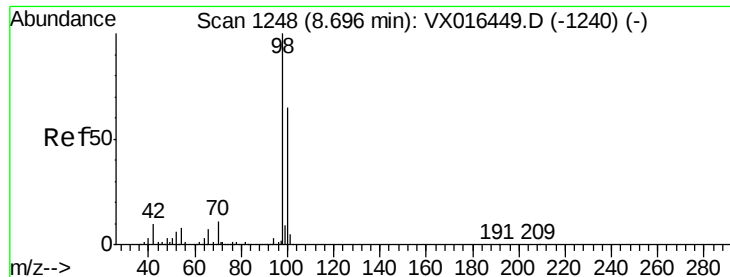
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.4	52.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.195 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016458.D
 Acq: 27 May 2020 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.3	114.5#
121	0.0	24.6	37.0#





#50

Toluene-d8

Concen: 52.523 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

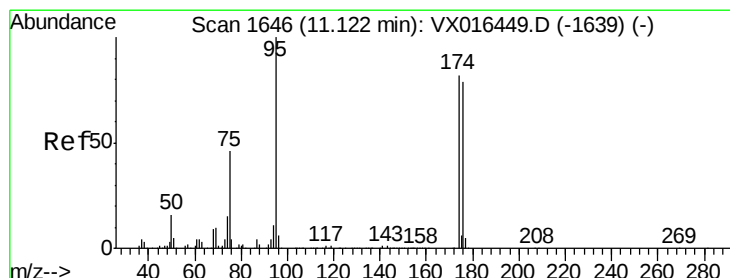
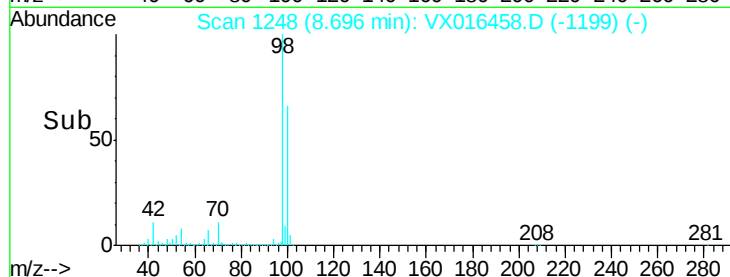
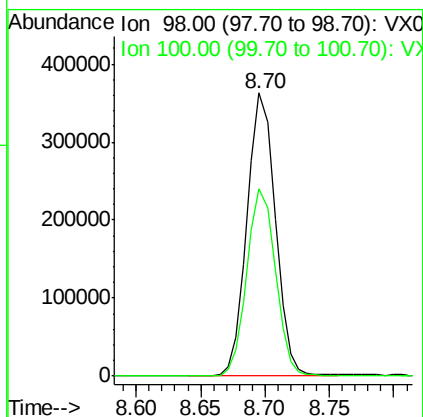
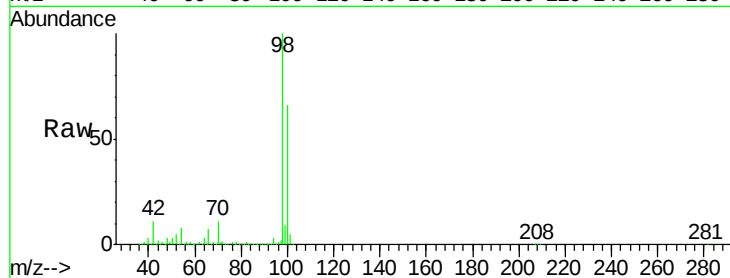
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 98 Resp: 552565

Ion Ratio Lower Upper

98 100

100 66.8 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 55.075 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

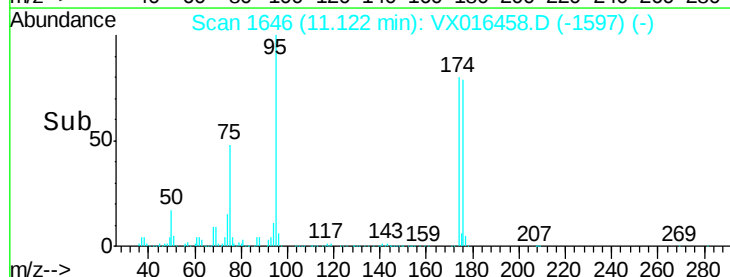
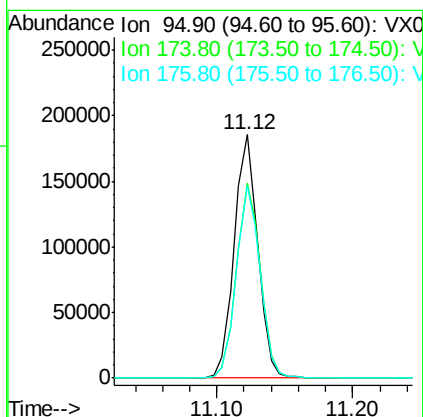
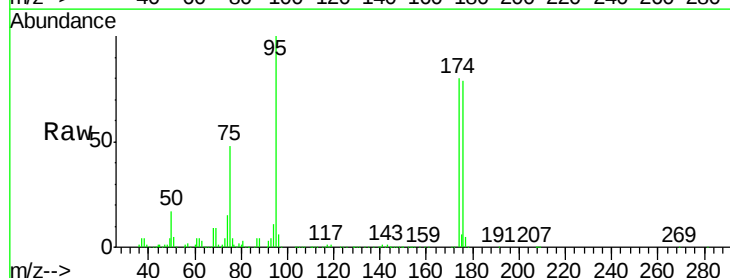
Tgt Ion: 95 Resp: 223883

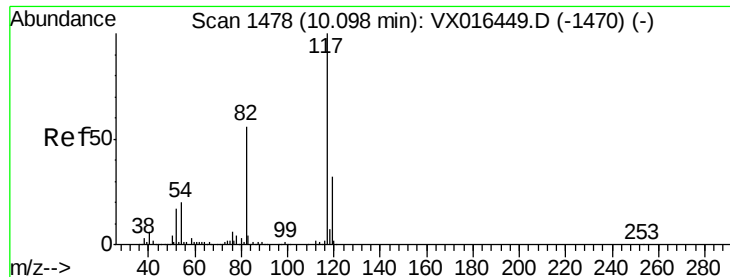
Ion Ratio Lower Upper

95 100

174 81.3 0.0 163.0

176 79.6 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: VX016458.D

Acq: 27 May 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

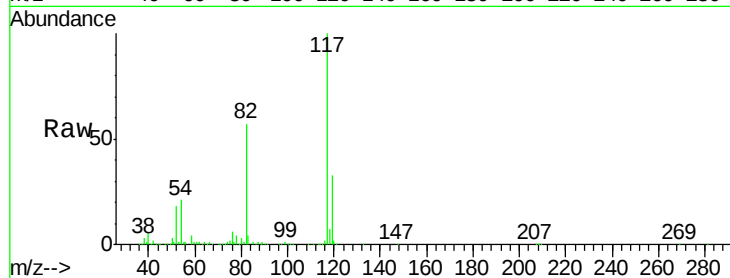
Tot Ion:117 Resp: 440495

Ion Ratio Lower Upper

117 100

82 56.9 45.0 67.6

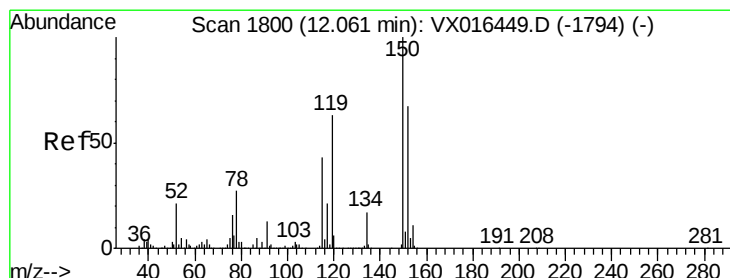
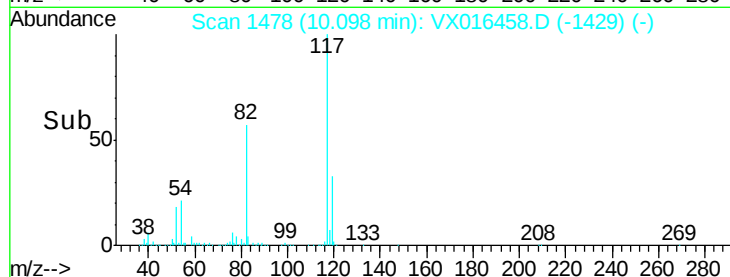
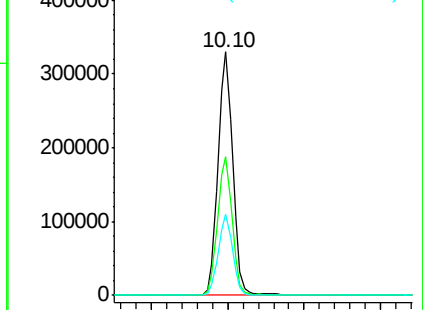
119 33.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

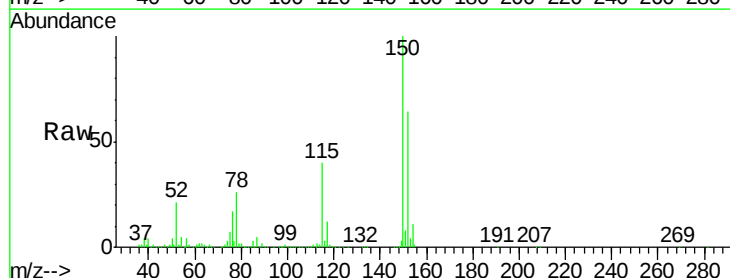
Tgt Ion:152 Resp: 222589

Ion Ratio Lower Upper

152 100

115 59.8 39.9 119.6

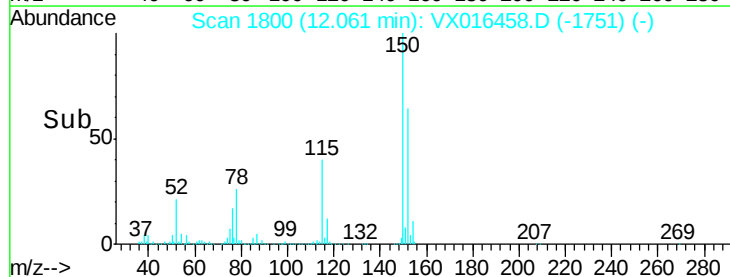
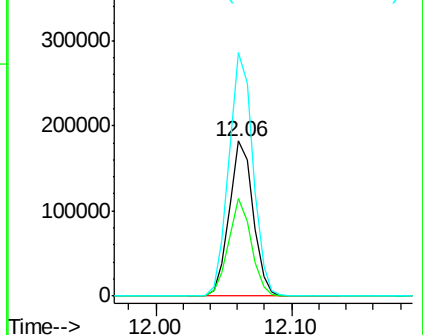
150 158.0 0.0 341.0

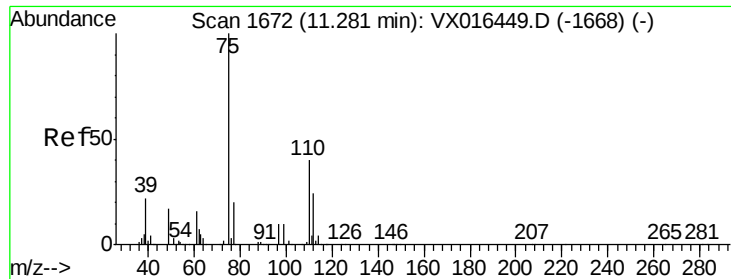


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.573 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

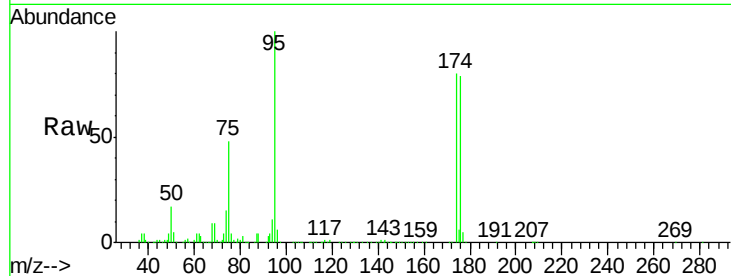
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 75 Resp: 110439

Ion Ratio Lower Upper

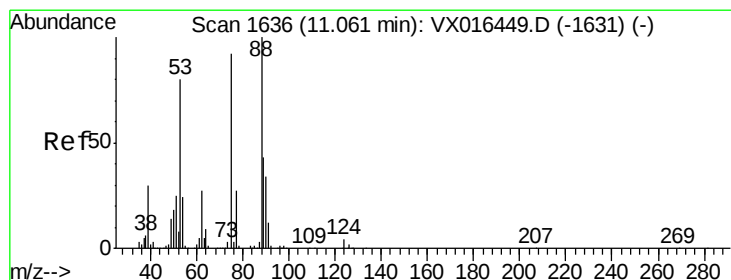
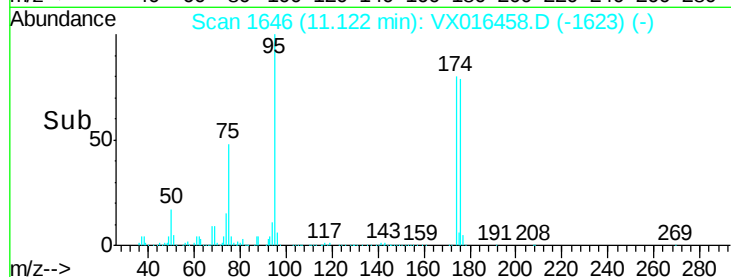
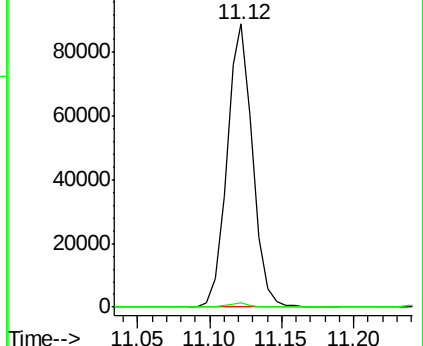
75 100

77 1.2 21.3 63.7#



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: 55.525 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016458.D

Acq: 27 May 2020 20:16

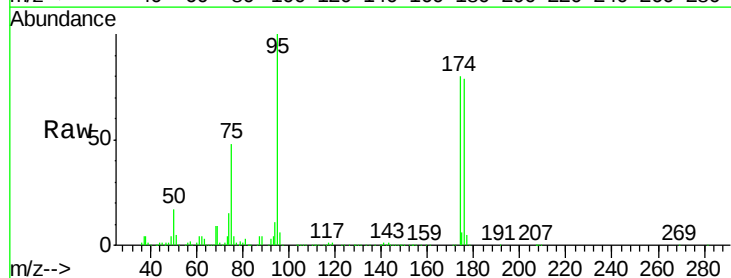
Tgt Ion: 75 Resp: 110439

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

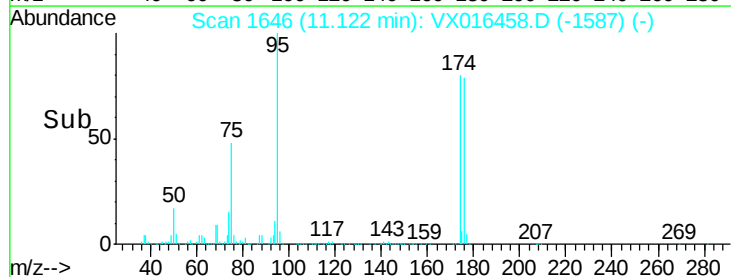
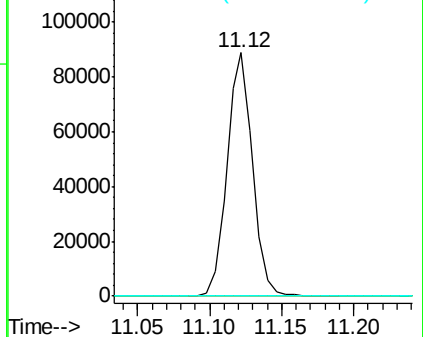
89 0.0 36.6 55.0#

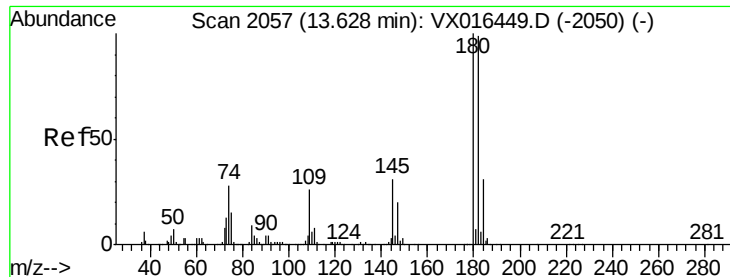


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

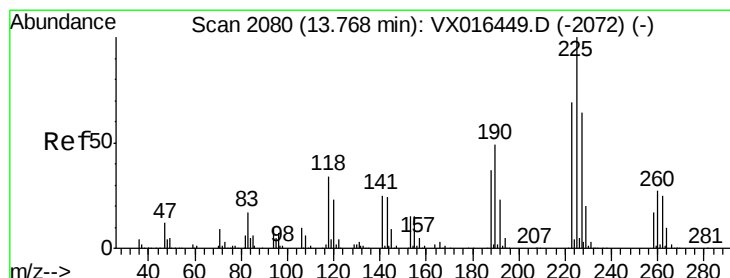
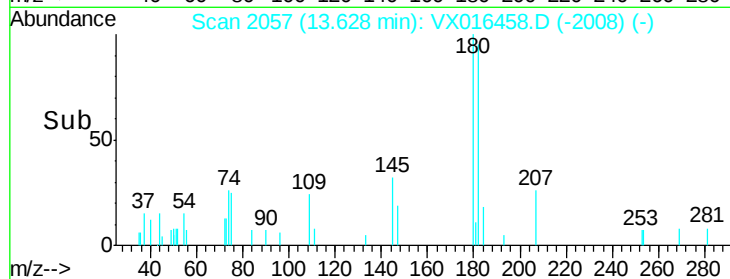
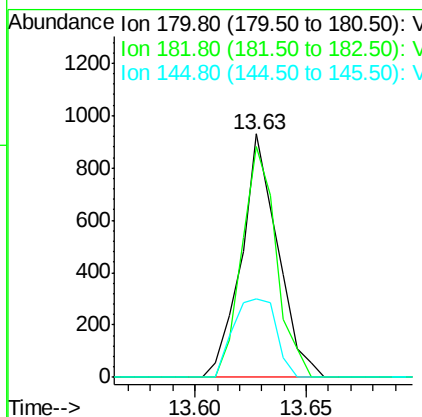
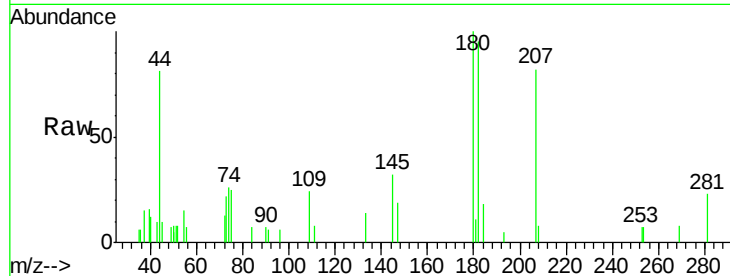




#93
 1,2,4-Trichlorobenzene
 Concen: 0.236 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016458.D
 Acq: 27 May 2020 20:16

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.0	48.3	144.8
145	37.9	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 0.305 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016458.D
 Acq: 27 May 2020 20:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	75.9	32.3	96.8
227	57.8	31.6	94.7

