

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090820\
 Data File : VX018267.D
 Acq On : 08 Sep 2020 12:09
 Operator : JC/SP
 Sample : L3925-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 09 01:20:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	453172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	712402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	674659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	334665	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	312637	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	5.47	113	247866	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	8.70	98	868155	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.12	95	326957	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

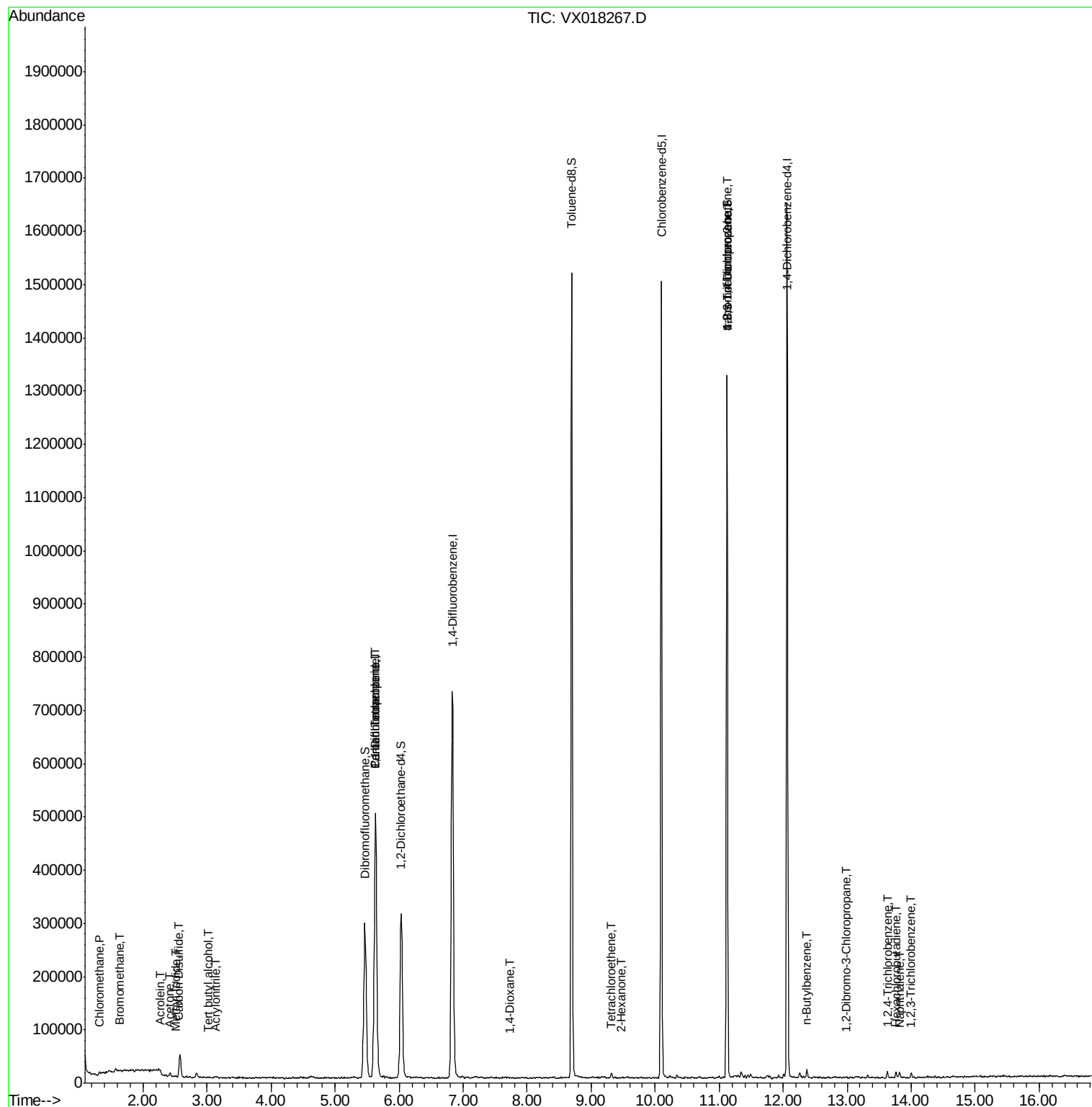
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3223	0.554	ug/l #	87
5) Bromomethane	1.64	94	1452	0.520	ug/l #	20
10) Methyl Iodide	2.51	142	1312	5.543	ug/l #	41
11) Tert butyl alcohol	3.01	59	313	0.256	ug/l #	60
13) Acrolein	2.27	56	628	1.238	ug/l #	82
15) Acrylonitrile	3.12	53	1142	0.412	ug/l #	87
16) Acetone	2.42	43	8254	3.367	ug/l	99
17) Carbon Disulfide	2.56	76	4376	0.327	ug/l #	93
20) Methylene Chloride	2.84	84	3781	Below Cal		89
36) 1,1-Dichloropropene	5.62	75	34892	5.310	ug/l #	52
38) Carbon Tetrachloride	5.63	117	48658	6.571	ug/l #	19
49) 1,4-Dioxane	7.72	88	209	1.880	ug/l #	17
59) 2-Hexanone	9.48	43	2037	0.352	ug/l	83
64) Tetrachloroethene	9.32	164	1011	0.204	ug/l #	59
76) 1,2,3-Trichloropropane	11.12	75	166445	22.357	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	166445	60.383	ug/l #	13
89) n-Butylbenzene	12.37	91	4544	0.266	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	767	0.394	ug/l #	29
93) 1,2,4-Trichlorobenzene	13.63	180	3006	0.447	ug/l	85
94) Hexachlorobutadiene	13.77	225	1595	0.601	ug/l	88
95) Naphthalene	13.82	128	5430	0.245	ug/l #	84
96) 1,2,3-Trichlorobenzene	14.00	180	2339	0.352	ug/l	90

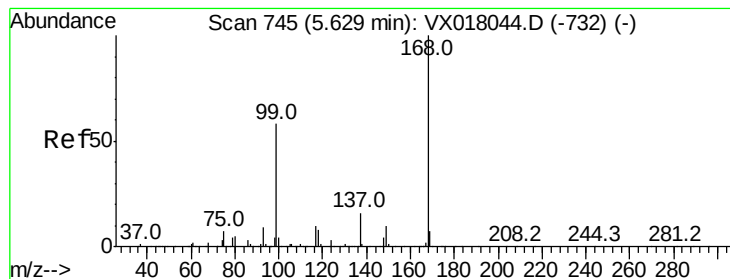
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090820\
Data File : VX018267.D
Acq On : 08 Sep 2020 12:09
Operator : JC/SP
Sample : L3925-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 09 01:20:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 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: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

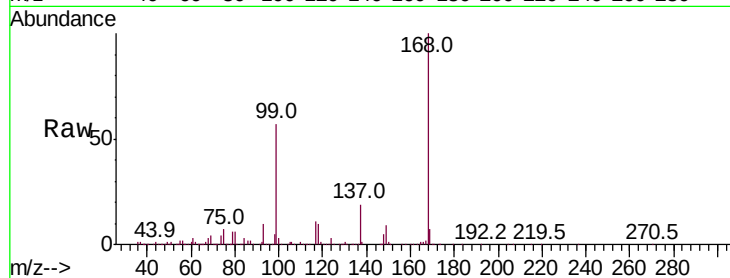
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 453172

Ion Ratio Lower Upper

168 100

99 57.4 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

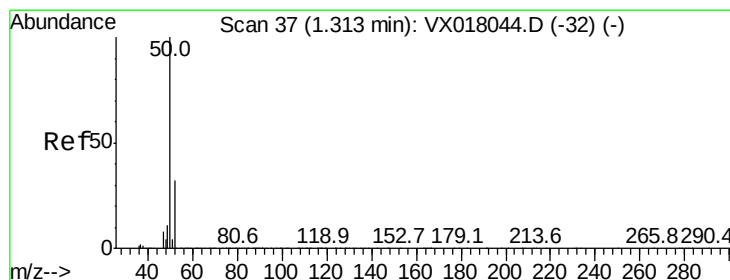
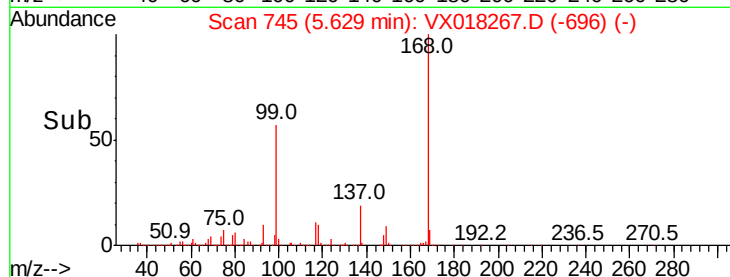
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.554 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018267.D

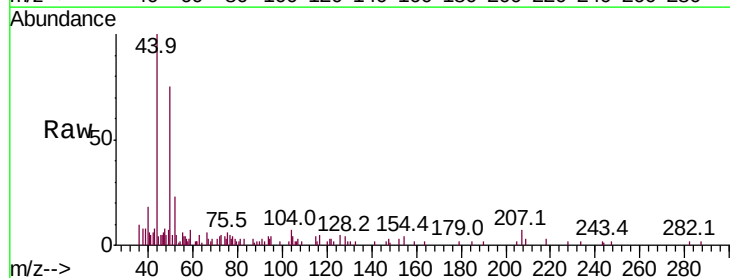
Acq: 08 Sep 2020 12:09

Tgt Ion: 50 Resp: 3223

Ion Ratio Lower Upper

50 100

52 24.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

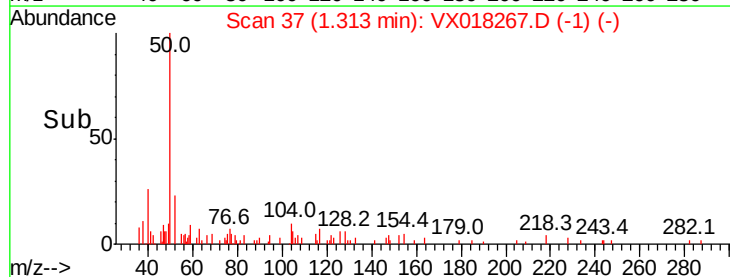
3000

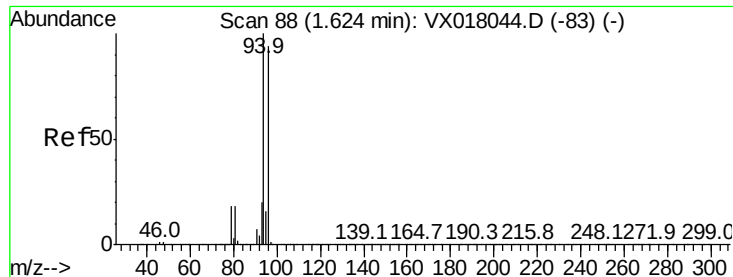
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.520 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

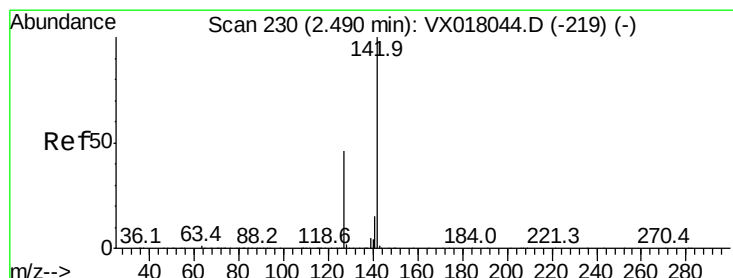
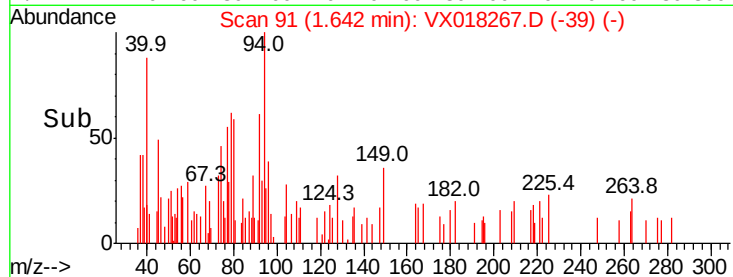
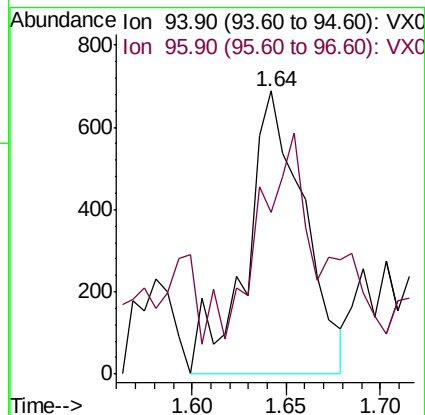
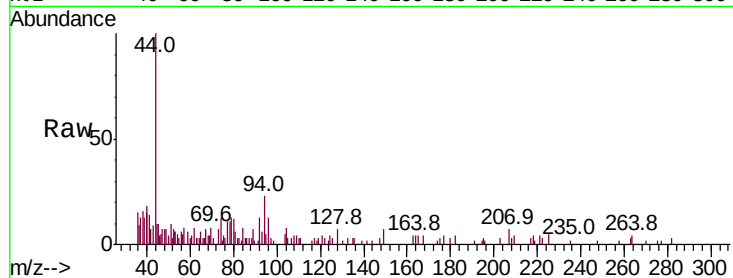
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 1452

Ion Ratio Lower Upper

94 100

96 16.6 74.8 112.2#



#10

Methyl Iodide

Concen: 5.543 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

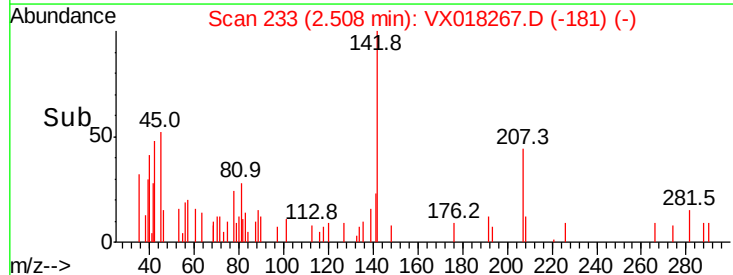
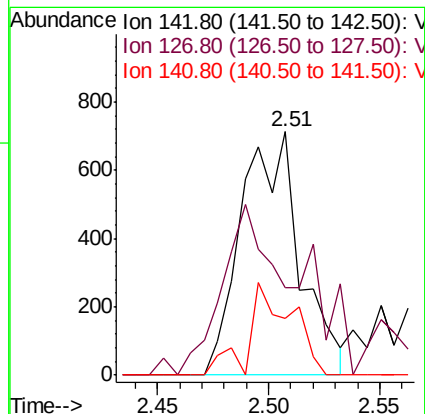
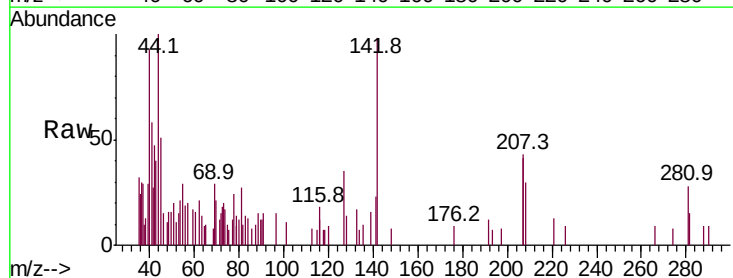
Tgt Ion: 142 Resp: 1312

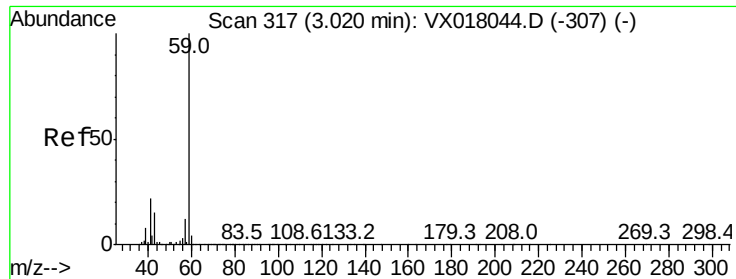
Ion Ratio Lower Upper

142 100

127 90.5 37.0 55.6#

141 28.0 11.5 17.3#

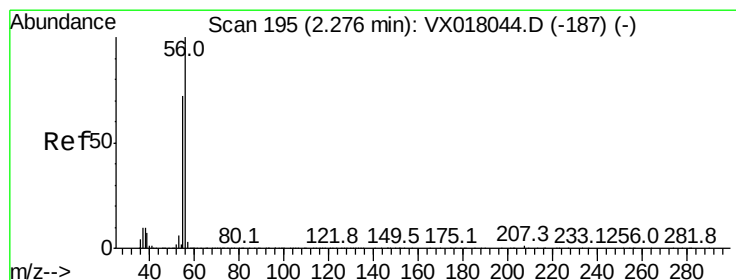
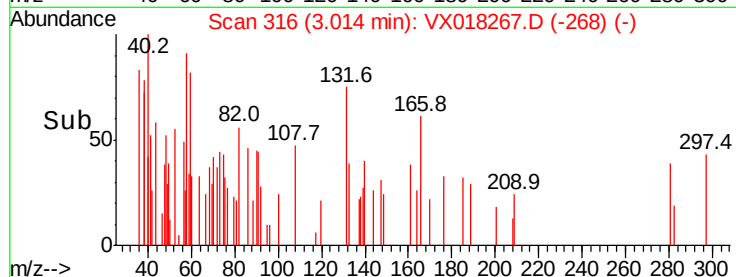
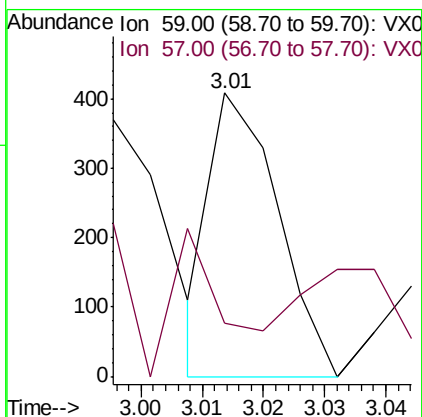
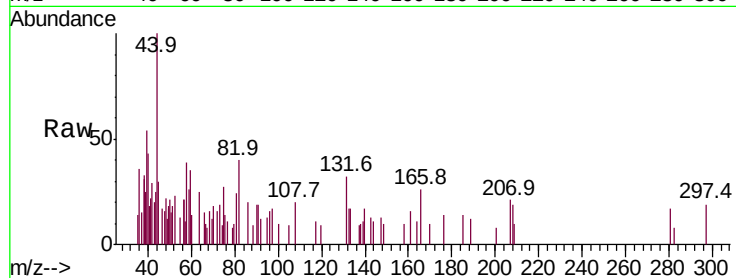




#11
Tert butyl alcohol
Concen: 0.256 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018267.D
Acq: 08 Sep 2020 12:09

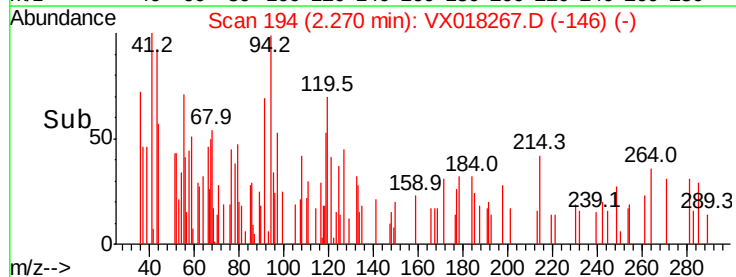
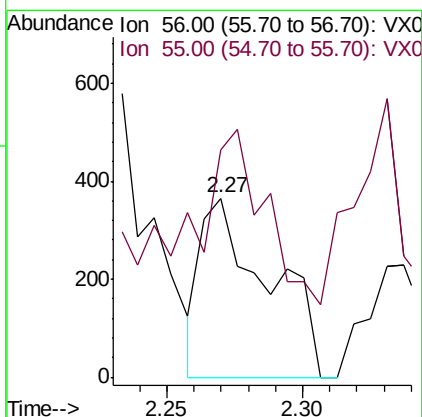
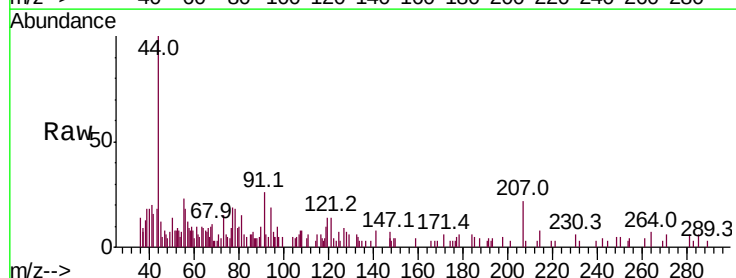
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

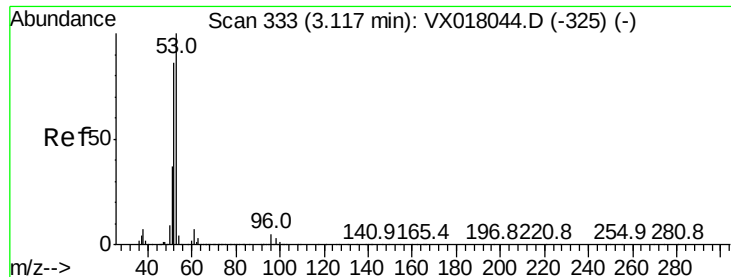
Tot Ion: 59 Resp: 313
Ion Ratio Lower Upper
59 100
57 26.2 8.9 13.3#



#13
Acrolein
Concen: 1.238 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018267.D
Acq: 08 Sep 2020 12:09

Tgt Ion: 56 Resp: 628
Ion Ratio Lower Upper
56 100
55 86.3 57.0 85.6#





#15

Acrylonitrile

Concen: 0.412 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

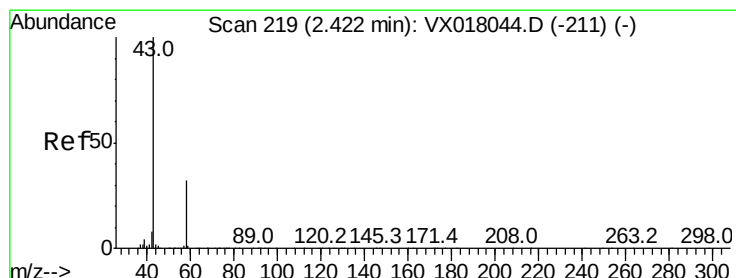
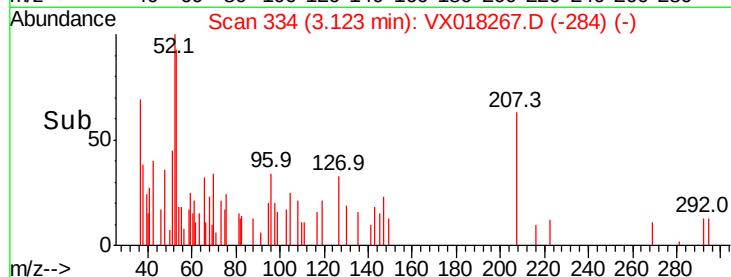
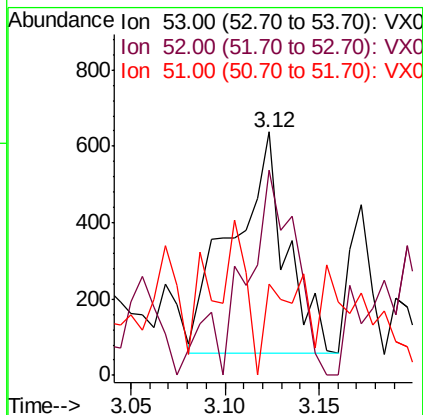
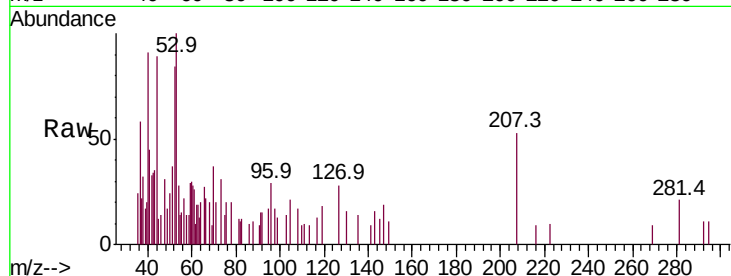
Tot Ion: 53 Resp: 1142

Ion Ratio Lower Upper

53 100

52 90.4 66.9 100.3

51 20.1 28.7 43.1#



#16

Acetone

Concen: 3.367 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018267.D

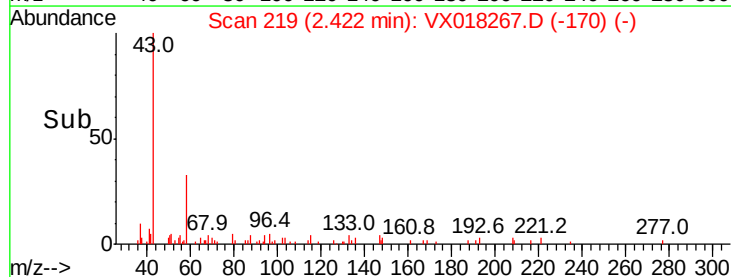
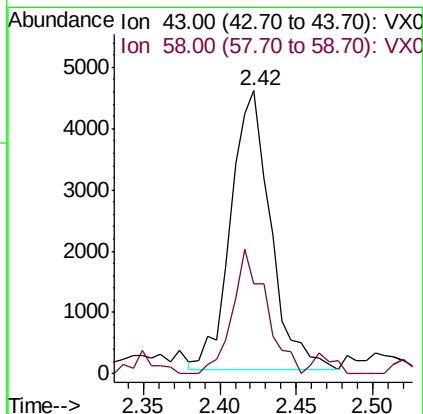
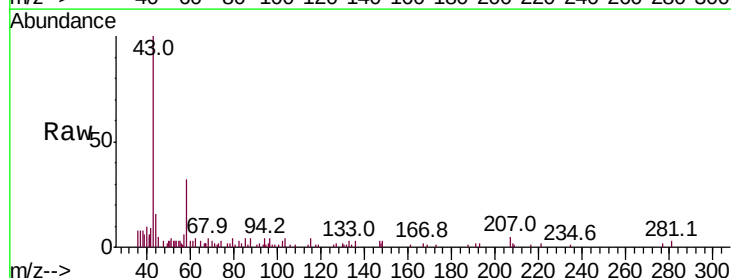
Acq: 08 Sep 2020 12:09

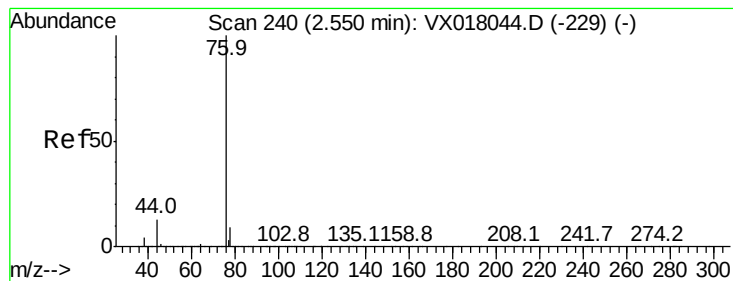
Tgt Ion: 43 Resp: 8254

Ion Ratio Lower Upper

43 100

58 32.2 25.5 38.3





#17

Carbon Disulfide

Concen: 0.327 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

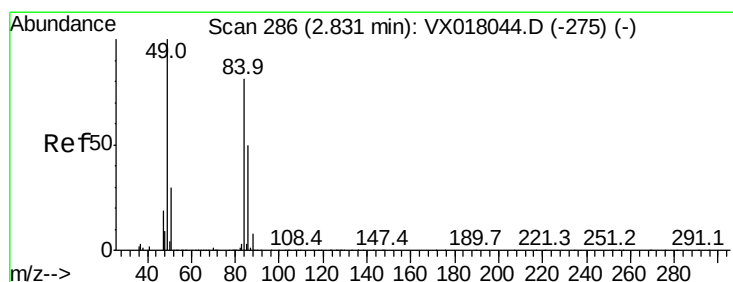
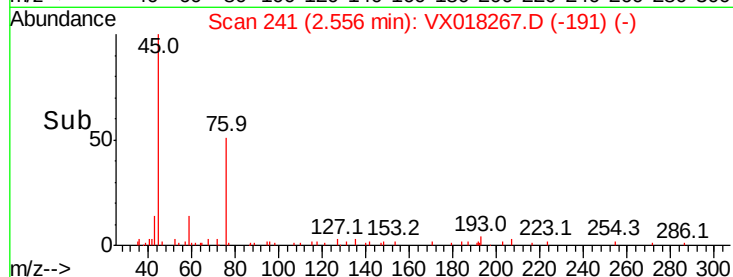
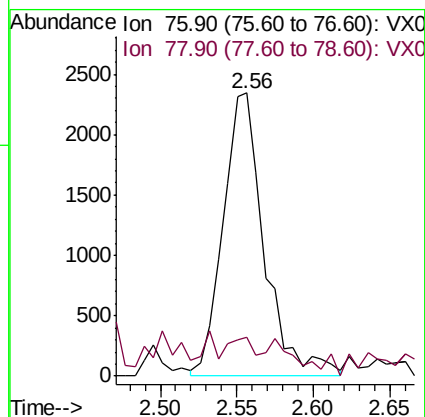
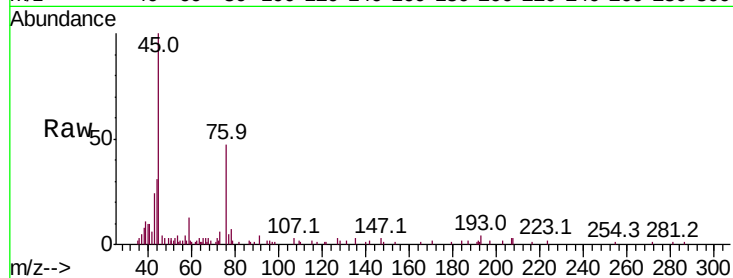
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 76 Resp: 4376

Ion Ratio Lower Upper

76 100

78 11.7 7.4 11.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Tgt Ion: 84 Resp: 3781

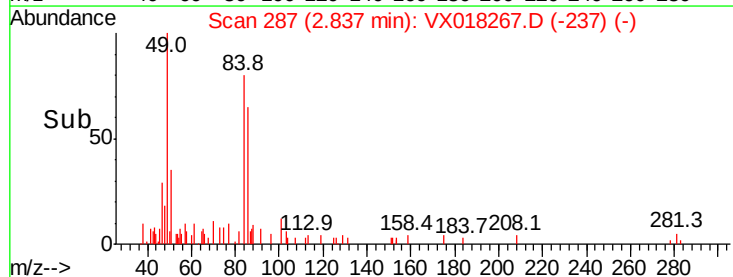
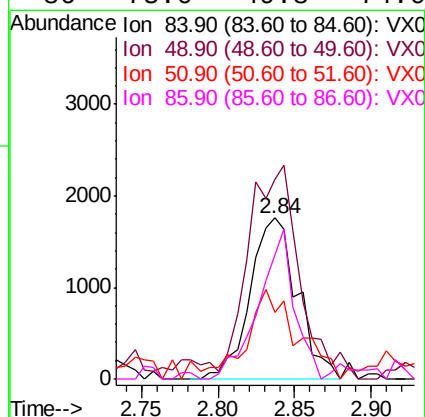
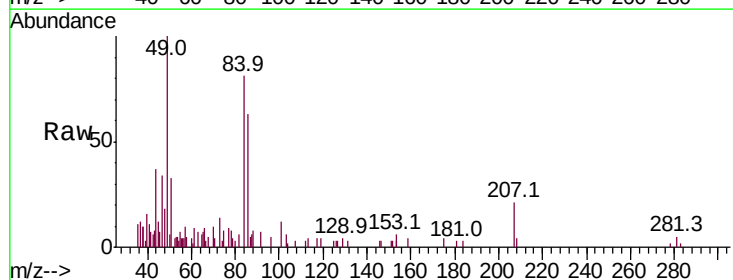
Ion Ratio Lower Upper

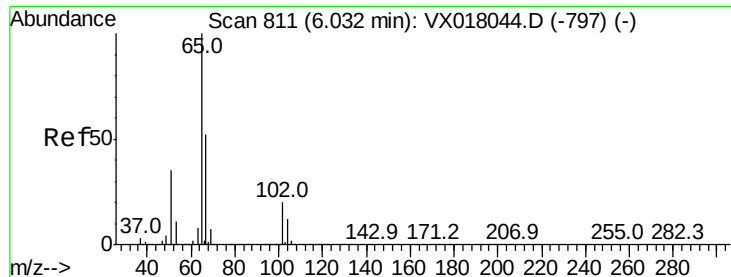
84 100

49 111.5 98.6 148.0

51 41.1 29.6 44.4

86 73.6 49.8 74.6

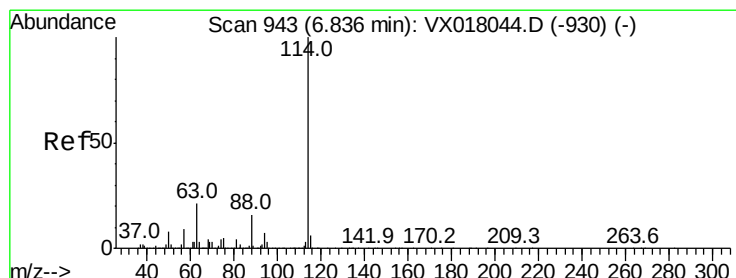
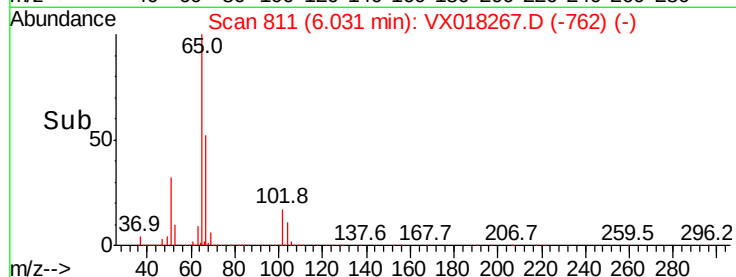
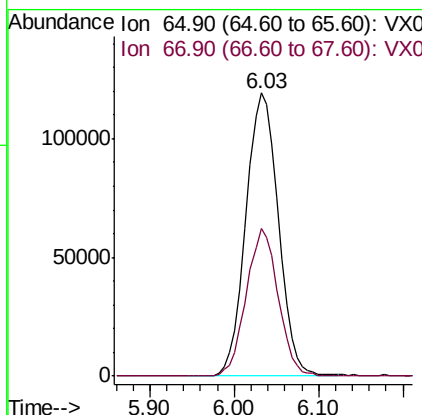
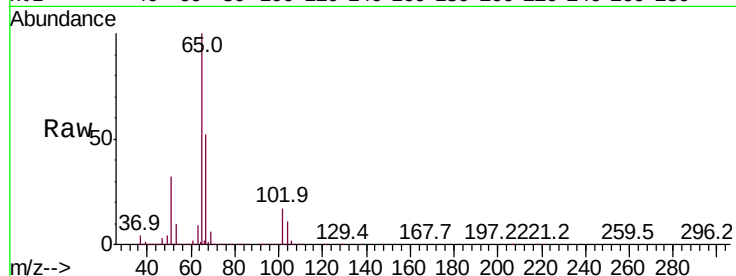




#33
 1,2-Dichloroethane-d4
 Concen: 49.694 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018267.D
 Acq: 08 Sep 2020 12:09

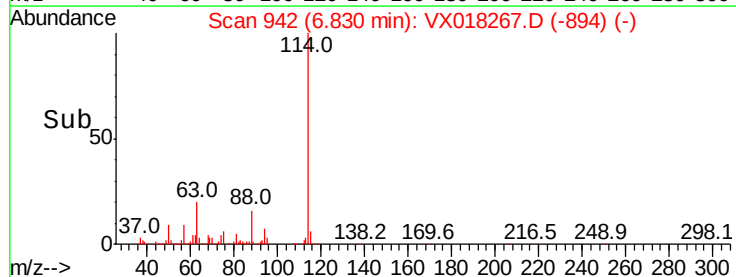
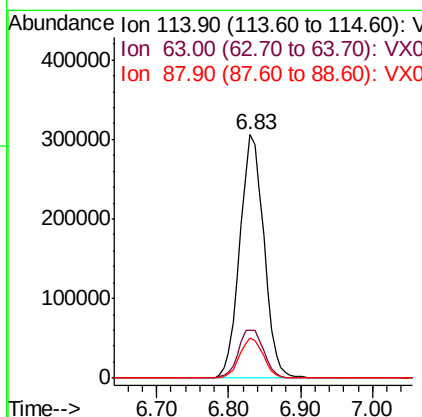
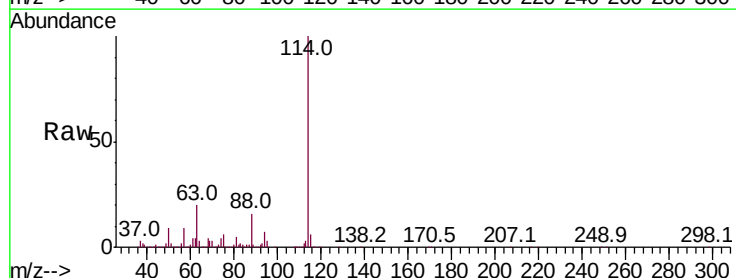
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

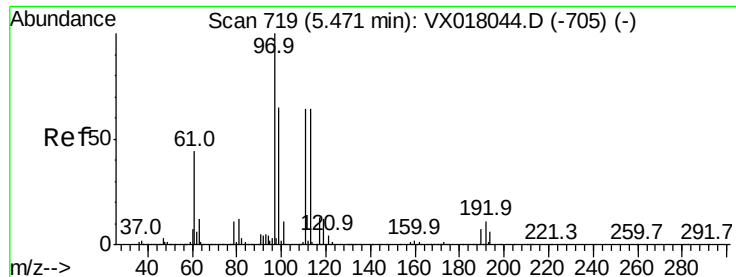
Tot Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018267.D
 Acq: 08 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.6
88	16.3	0.0	31.8

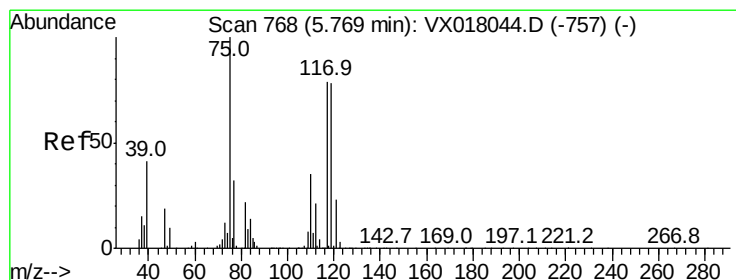
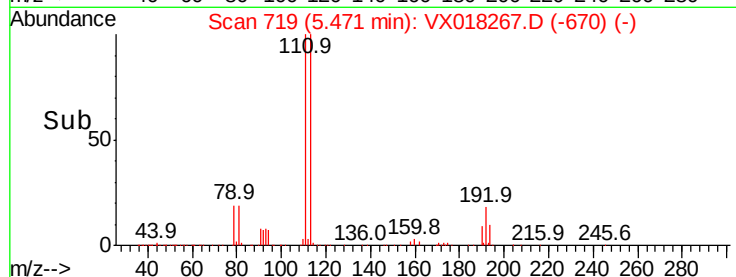
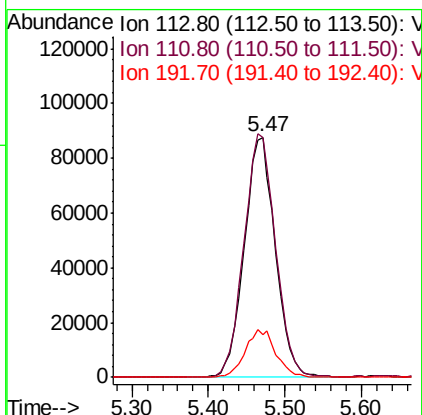
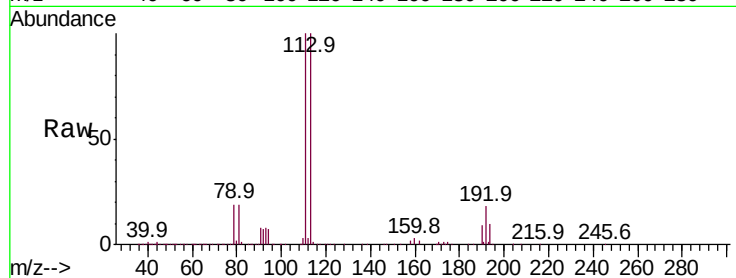




#35
 Dibromofluoromethane
 Concen: 51.087 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018267.D
 Acq: 08 Sep 2020 12:09

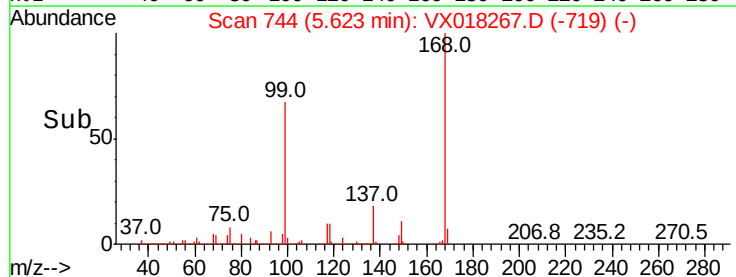
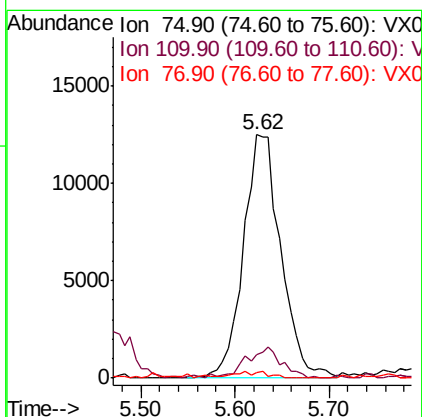
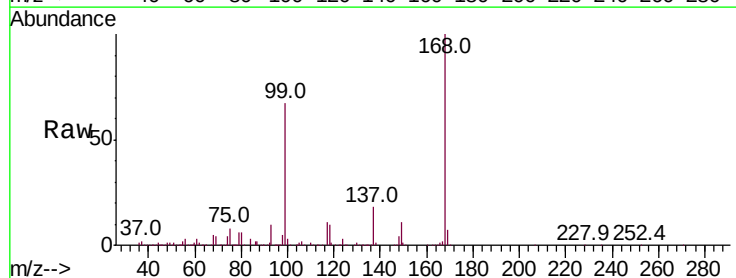
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

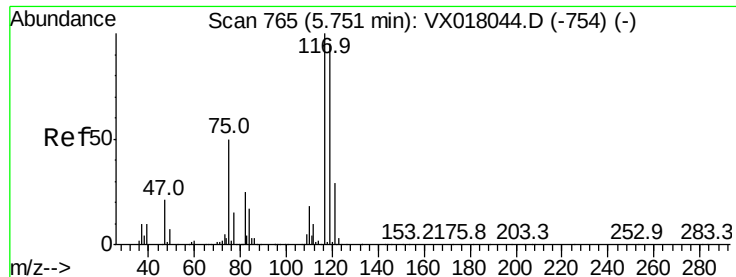
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.6	122.4
192	19.7	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.310 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX018267.D
 Acq: 08 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.2	18.0	54.0#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.571 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

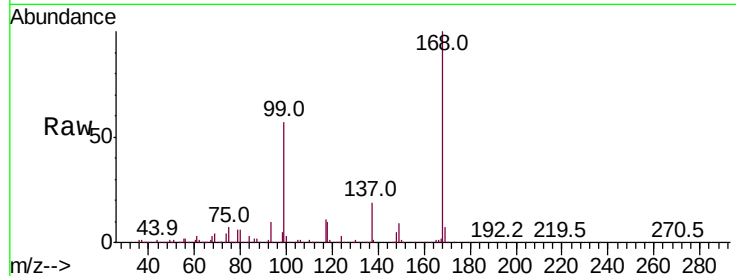
Tot Ion:117 Resp: 48658

Ion Ratio Lower Upper

117 100

119 7.8 75.8 113.6#

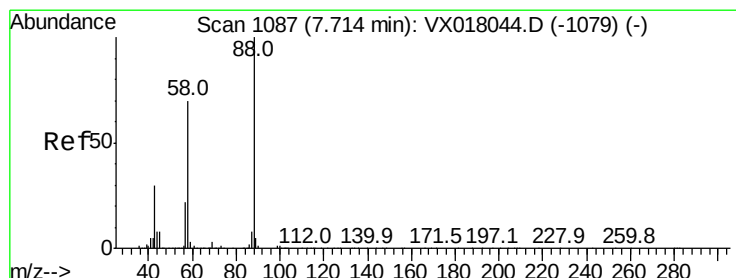
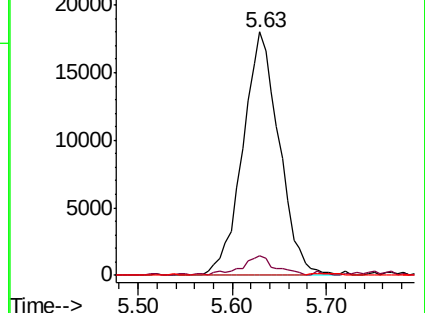
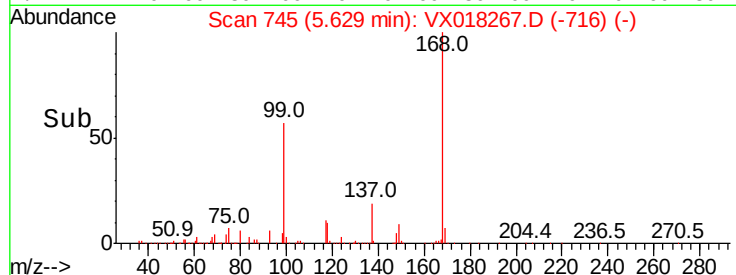
121 0.0 23.4 35.0#



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: 1.880 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

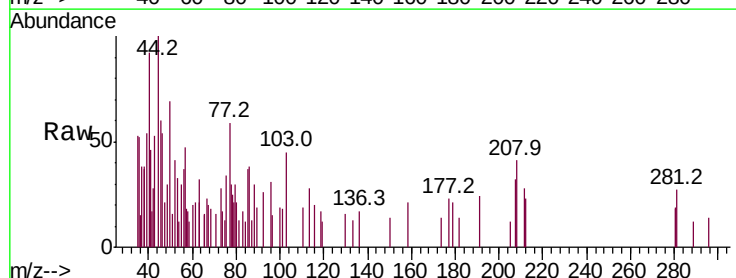
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

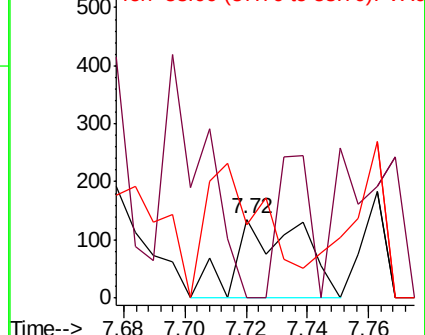
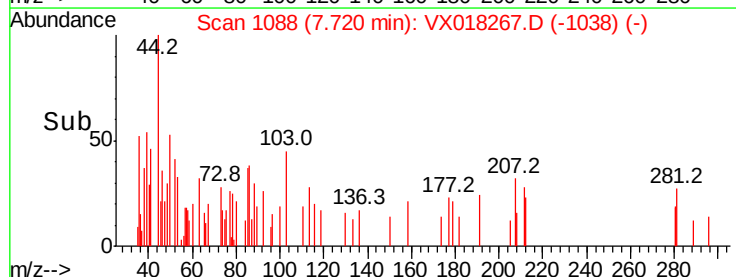
58 148.3 56.4 84.6#

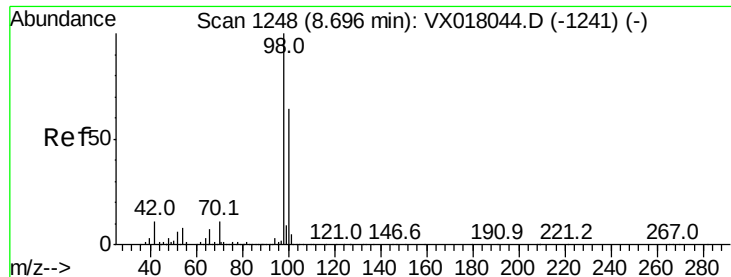


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

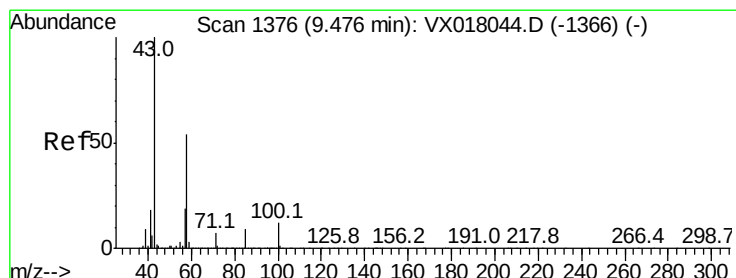
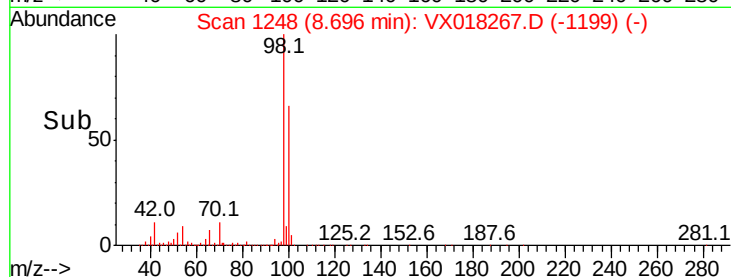
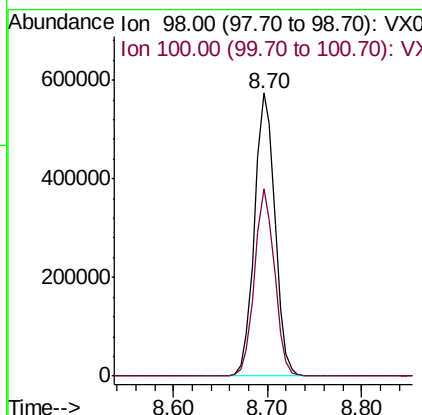
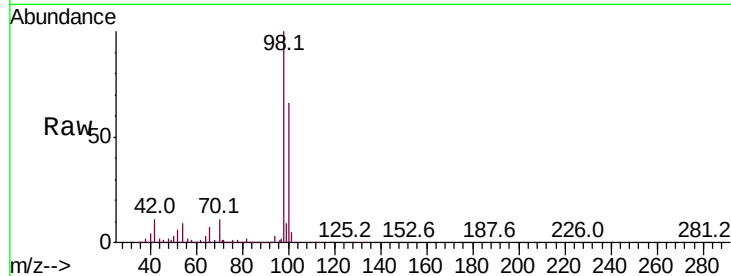




#50
Toluene-d8
Concen: 48.042 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018267.D
Acq: 08 Sep 2020 12:09

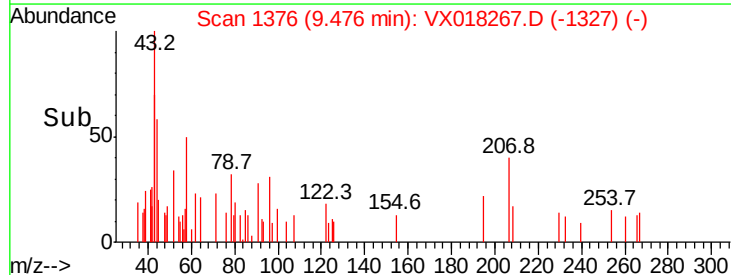
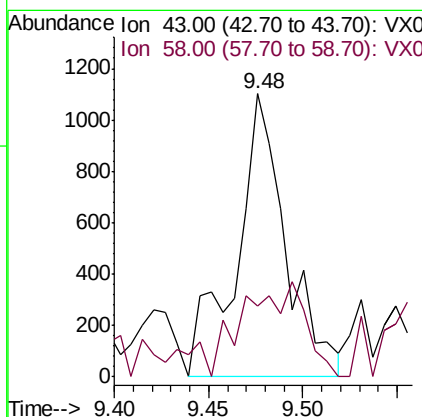
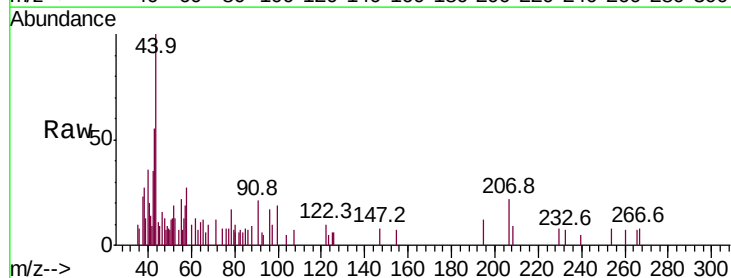
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

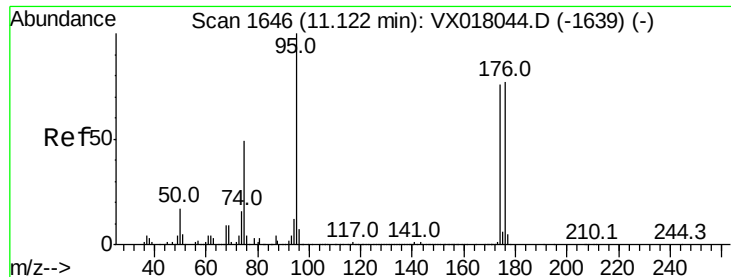
Tot Ion: 98 Resp: 868155
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#59
2-Hexanone
Concen: 0.352 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX018267.D
Acq: 08 Sep 2020 12:09

Tgt Ion: 43 Resp: 2037
Ion Ratio Lower Upper
43 100
58 41.1 26.6 79.7





#62

4-Bromofluorobenzene

Concen: 45.987 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

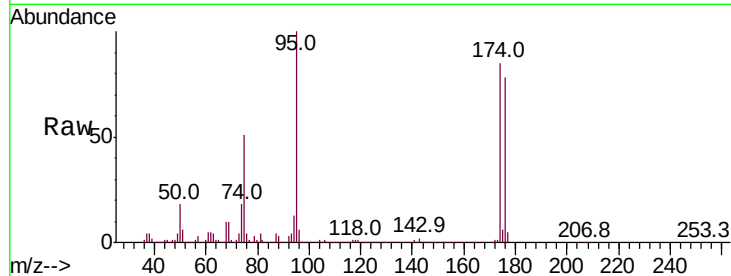
Tot Ion: 95 Resp: 326957

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.2

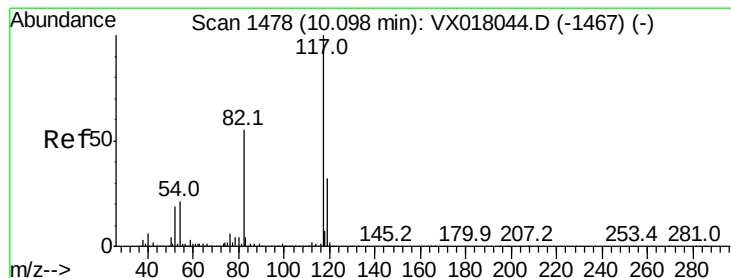
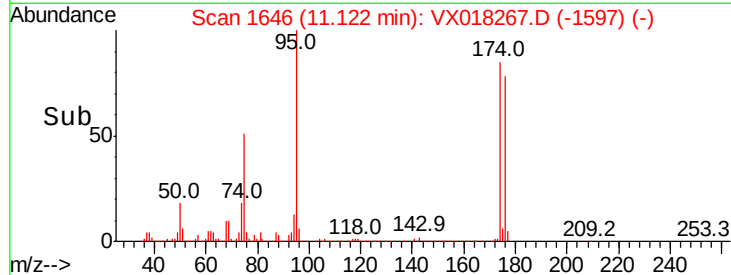
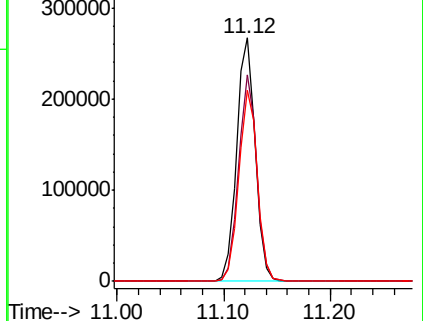
176 78.8 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

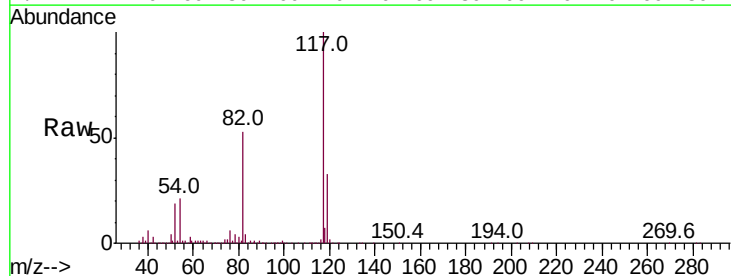
Tgt Ion: 117 Resp: 674659

Ion Ratio Lower Upper

117 100

82 52.6 44.2 66.2

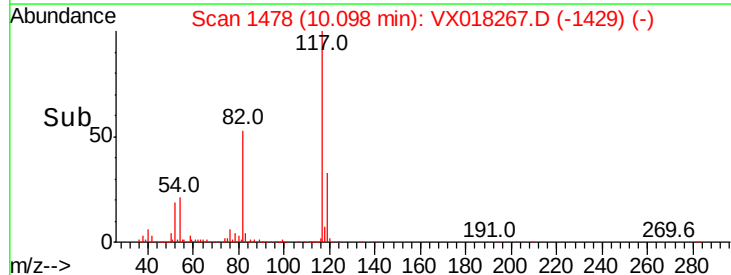
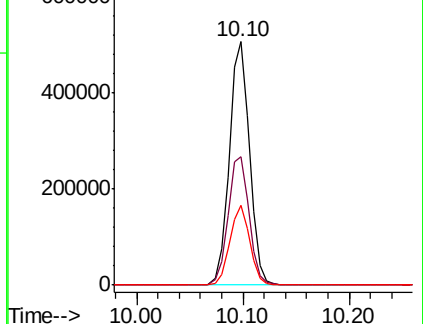
119 32.6 25.7 38.5

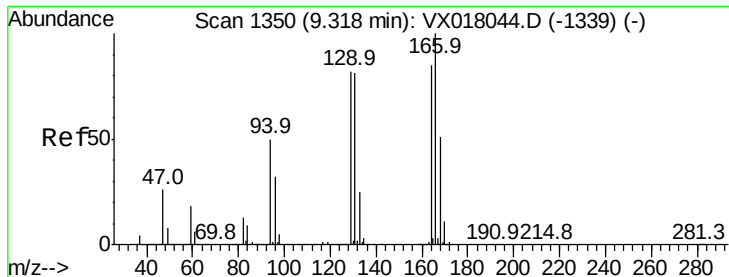


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#64

Tetrachloroethene

Concen: 0.204 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion:164 Resp: 1011

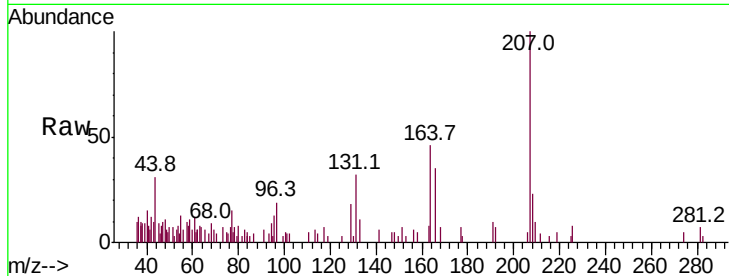
Ion Ratio Lower Upper

164 100

166 75.4 94.2 141.2#

129 38.6 76.9 115.3#

131 69.5 76.1 114.1#



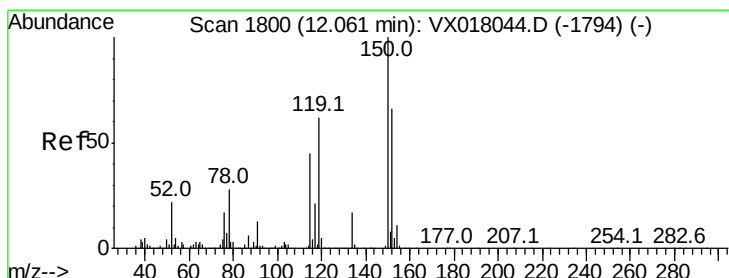
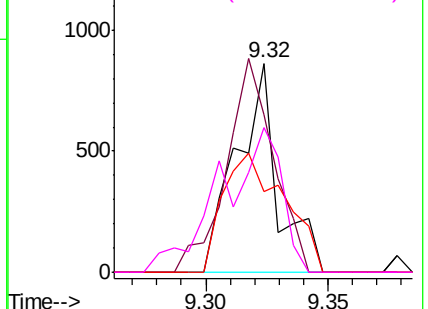
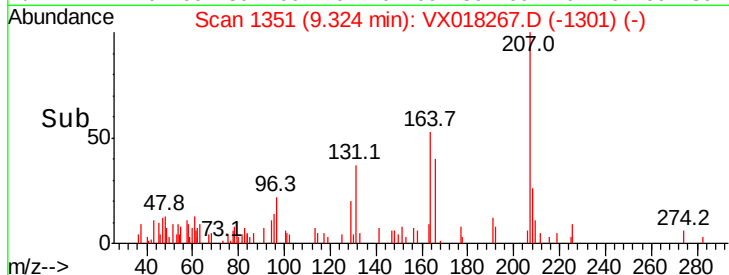
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX018267.D

Acq: 08 Sep 2020 12:09

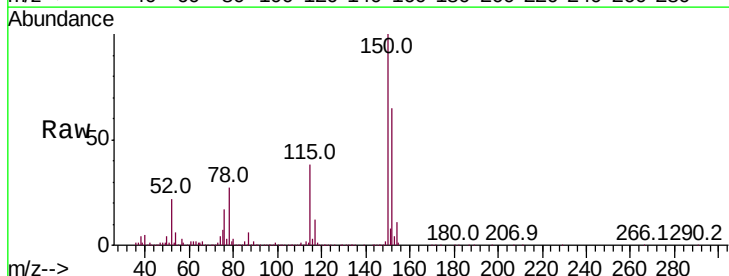
Tgt Ion:152 Resp: 334665

Ion Ratio Lower Upper

152 100

115 59.2 41.5 124.5

150 152.1 0.0 343.8

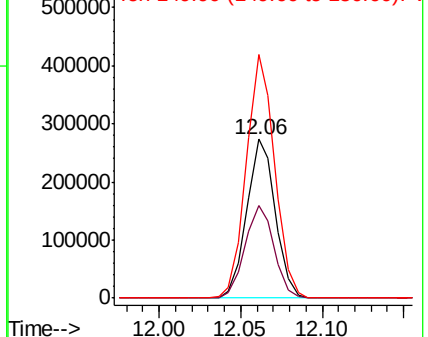
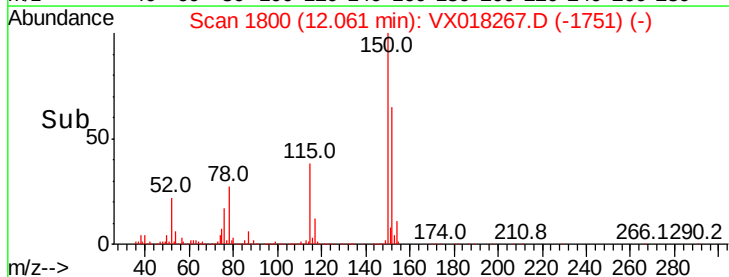


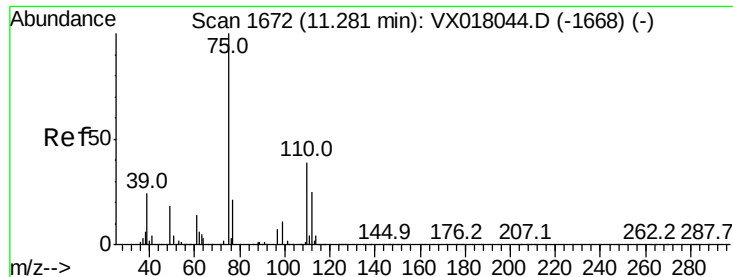
Abundance

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: 22.357 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

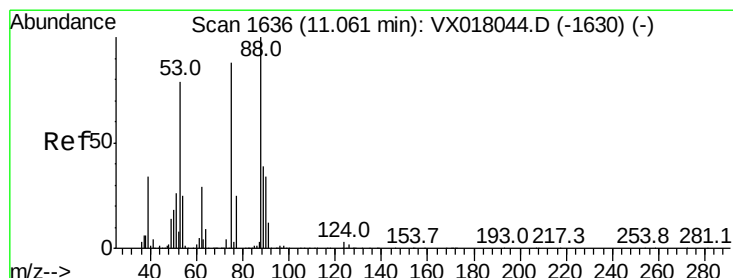
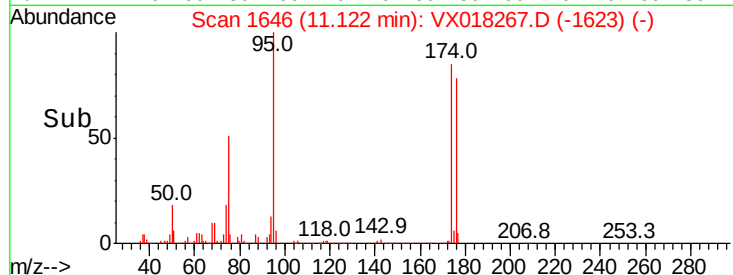
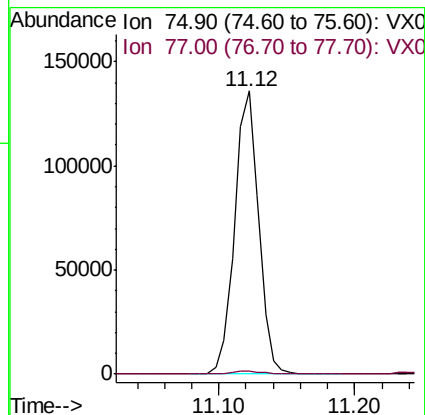
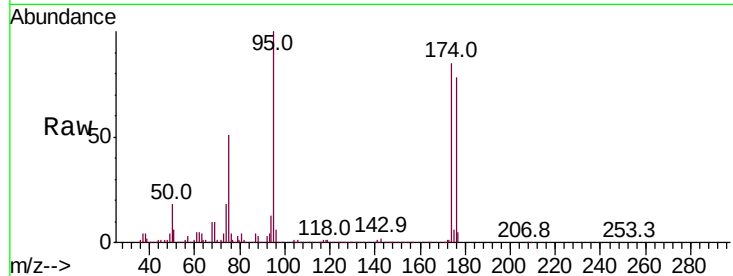
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 166445

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.383 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

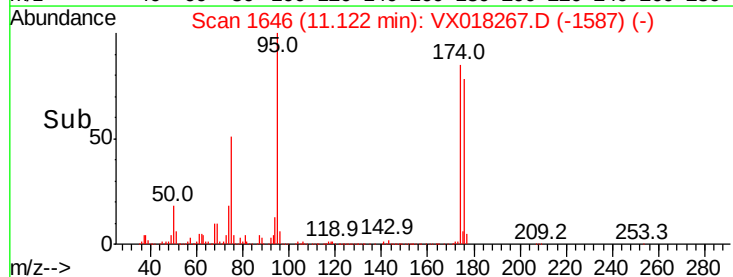
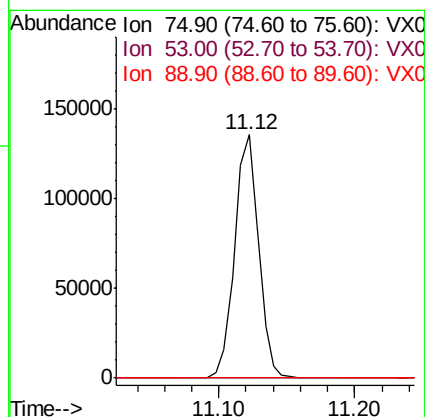
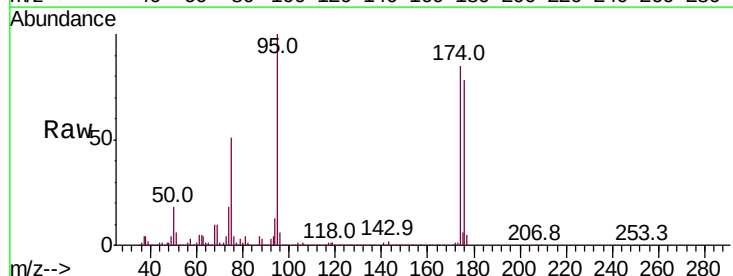
Tgt Ion: 75 Resp: 166445

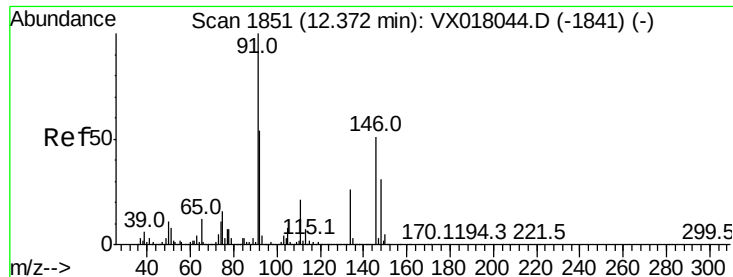
Ion Ratio Lower Upper

75 100

53 0.8 74.7 112.1#

89 0.1 36.6 54.8#

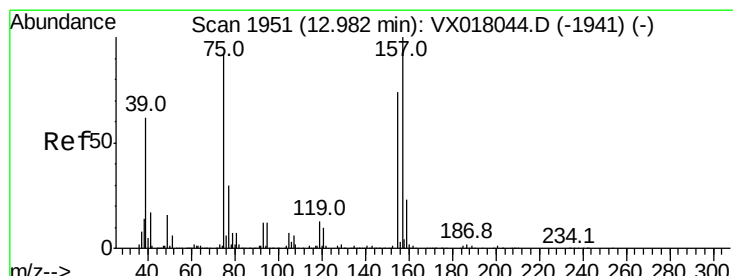
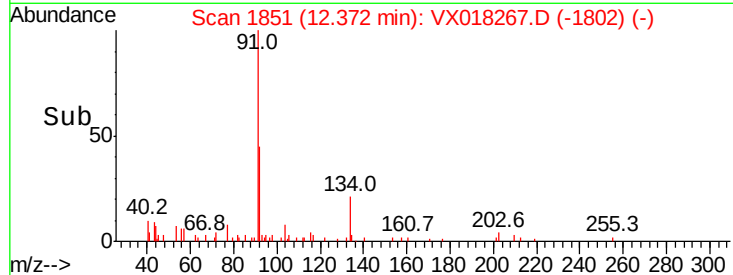
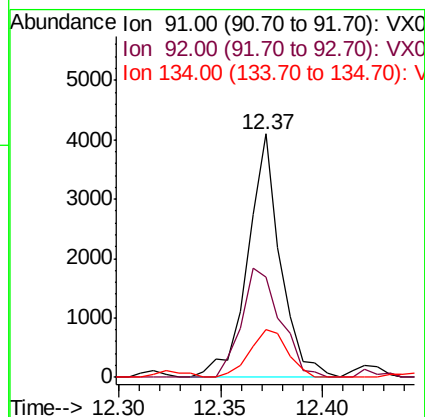
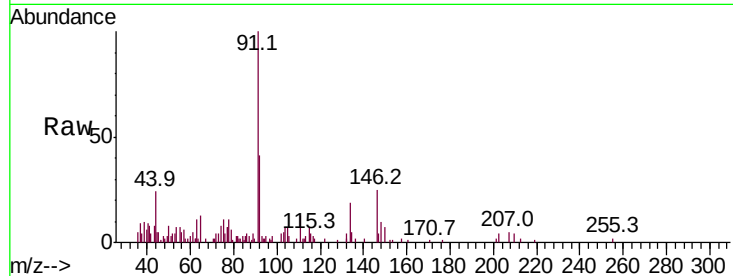




#89
n-Butylbenzene
Concen: 0.266 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018267.D
Acq: 08 Sep 2020 12:09

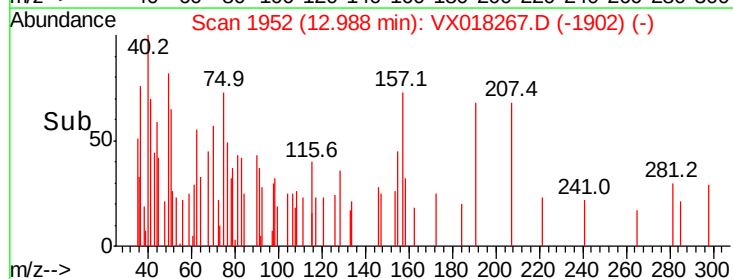
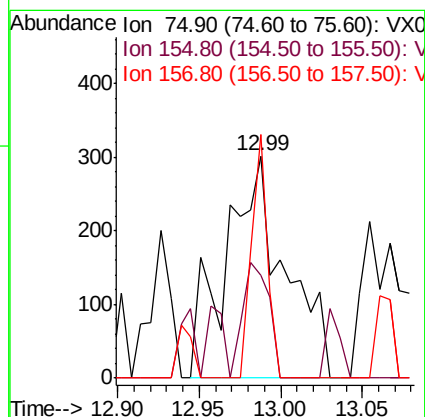
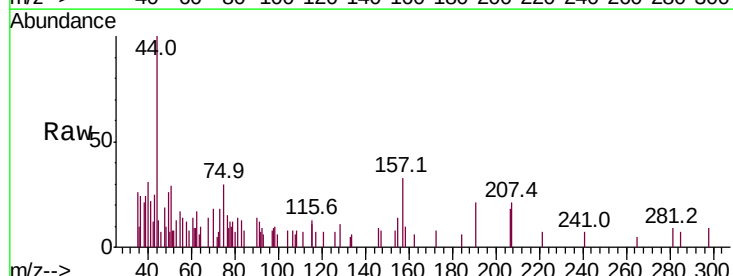
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

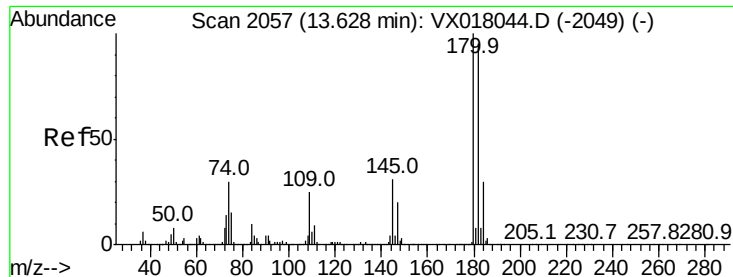
Tot Ion: 91 Resp: 4544
Ion Ratio Lower Upper
91 100
92 53.4 26.4 79.2
134 22.6 12.9 38.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.394 ug/l
RT: 12.99 min Scan# 1952
Delta R.T. 0.01 min
Lab File: VX018267.D
Acq: 08 Sep 2020 12:09

Tgt Ion: 75 Resp: 767
Ion Ratio Lower Upper
75 100
155 22.9 40.2 120.6#
157 29.6 55.0 165.2#

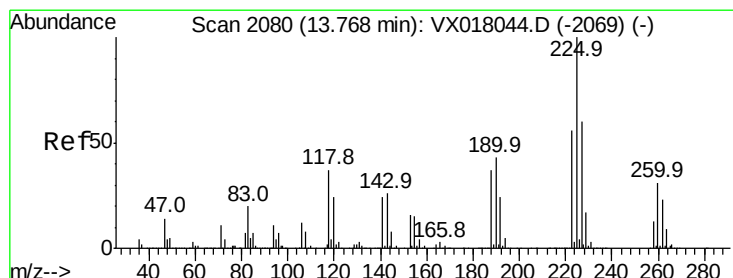
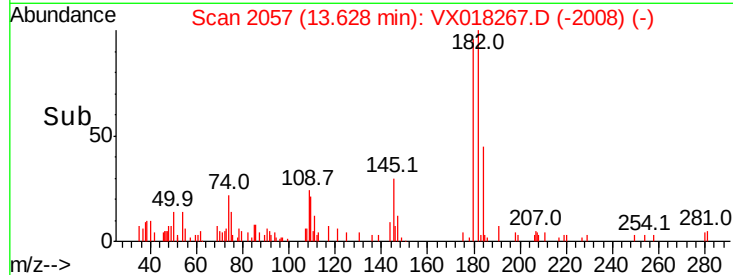
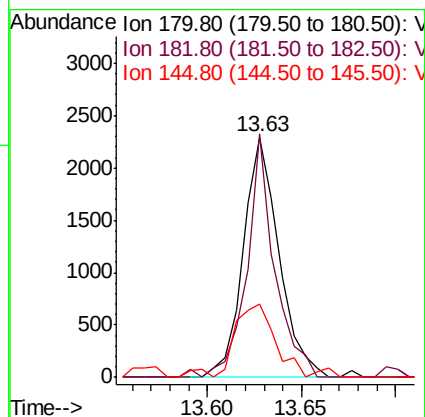
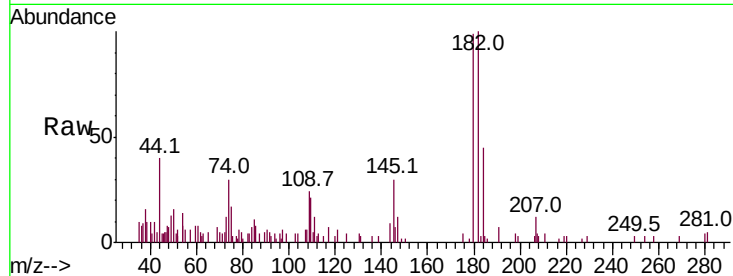




#93
 1,2,4-Trichlorobenzene
 Concen: 0.447 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018267.D
 Acq: 08 Sep 2020 12:09

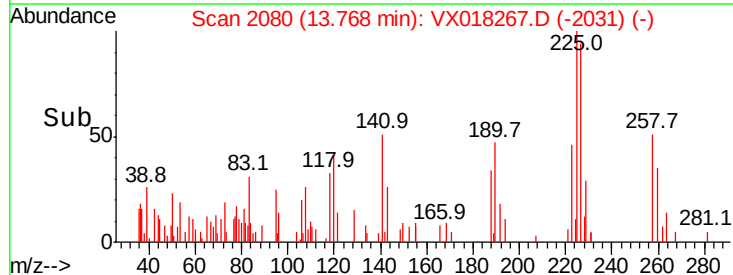
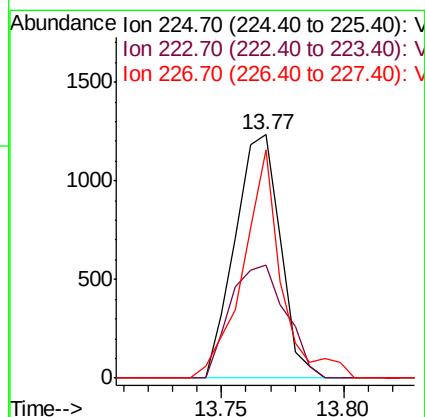
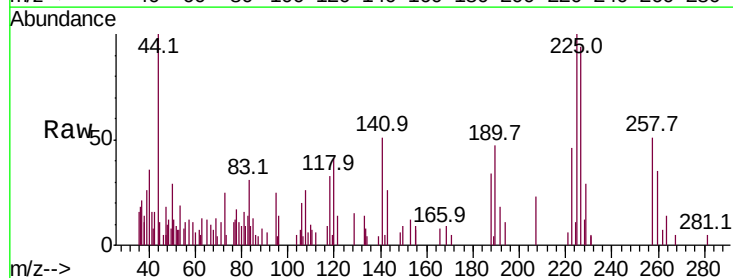
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

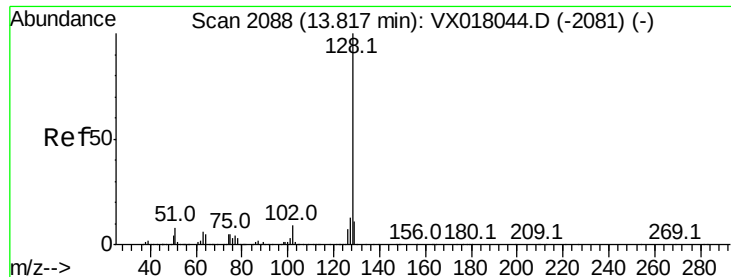
Tot Ion	Ratio	Lower	Upper
180	100		
182	78.9	47.5	142.6
145	35.8	15.7	47.1



#94
 Hexachlorobutadiene
 Concen: 0.601 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX018267.D
 Acq: 08 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.4	30.7	92.1
227	79.5	32.6	97.8





#95

Naphthalene

Concen: 0.245 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

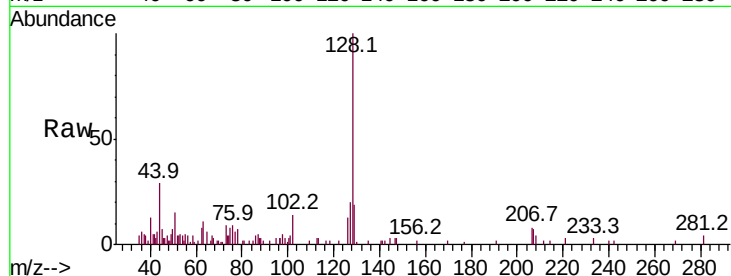
Tot Ion:128 Resp: 5430

Ion Ratio Lower Upper

128 100

127 17.9 10.2 15.2#

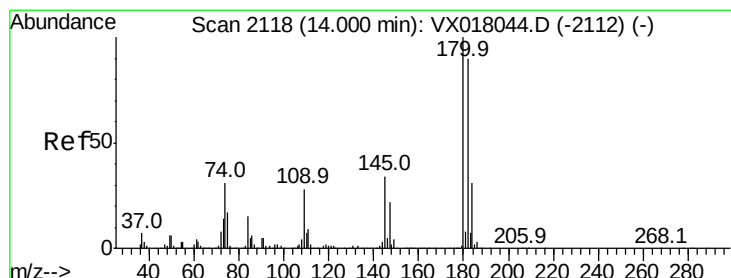
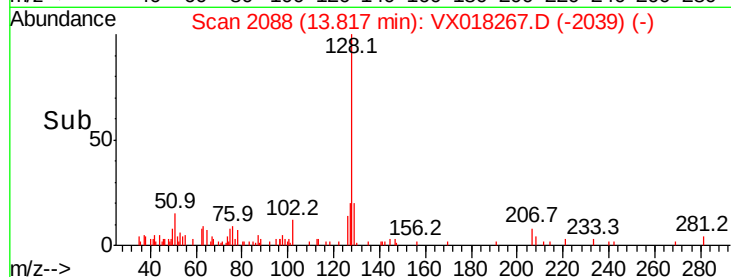
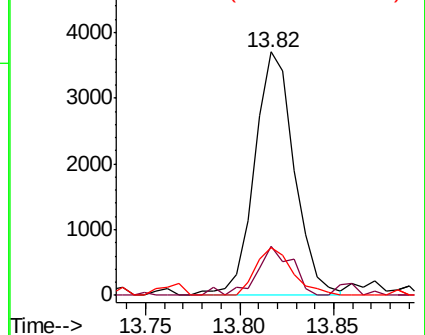
129 18.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.352 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX018267.D

Acq: 08 Sep 2020 12:09

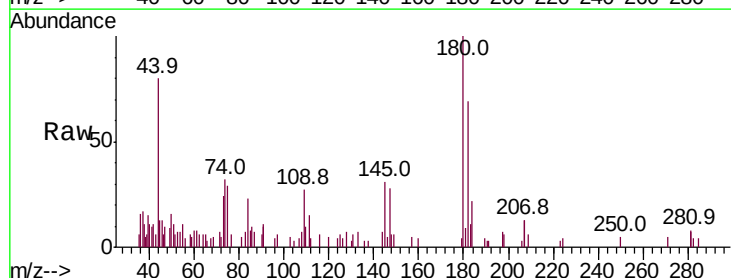
Tgt Ion:180 Resp: 2339

Ion Ratio Lower Upper

180 100

182 85.7 47.3 142.0

145 41.3 17.5 52.6



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

