

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011521\
 Data File : VX020636.D
 Acq On : 15 Jan 2021 17:23
 Operator : JC/MD
 Sample : M1158-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jan 16 00:56:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 15:05:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

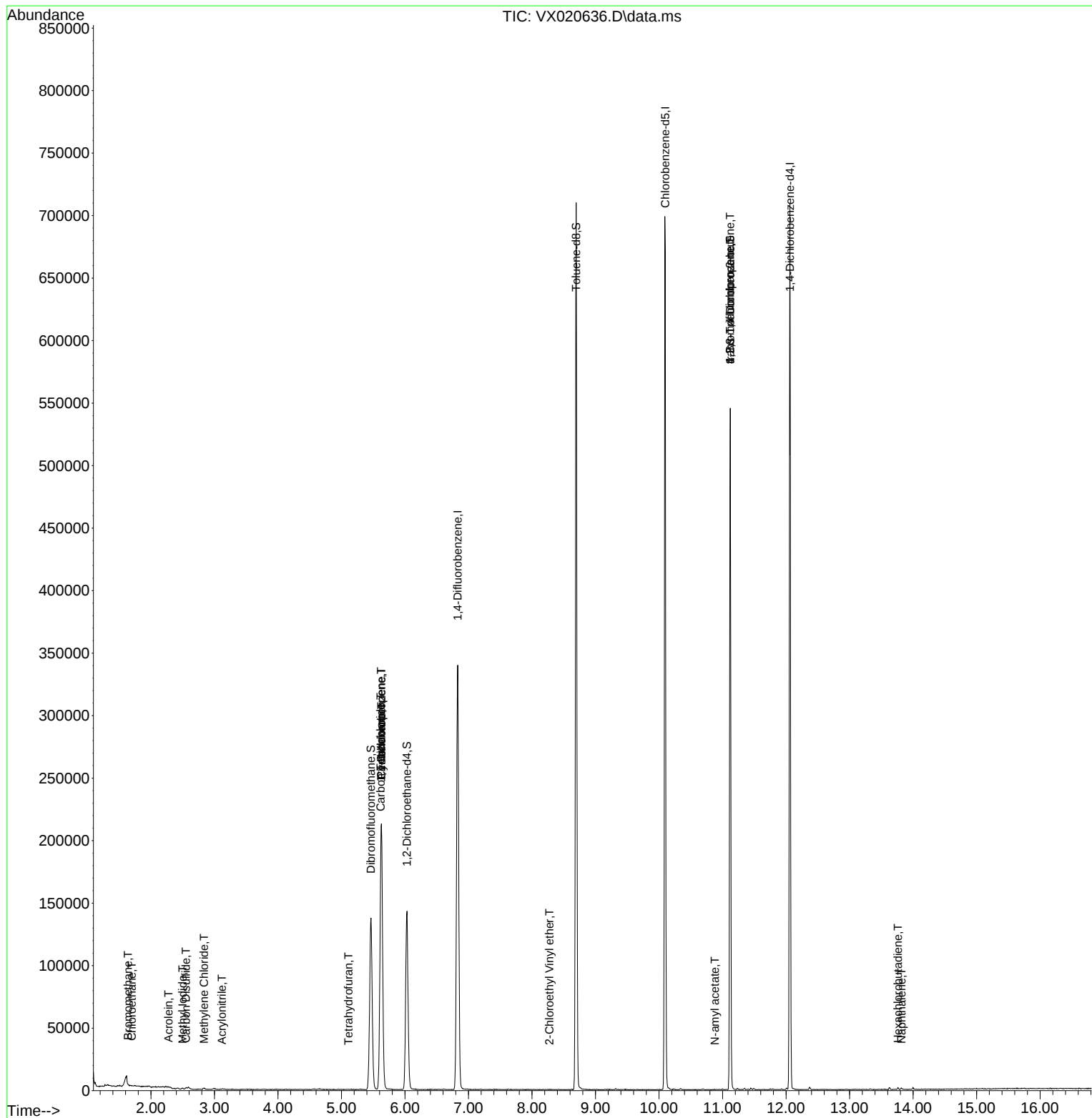
Internal Standards						
1) Pentafluorobenzene	5.629	168	197582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	345598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	321610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	138290	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	137975	58.14	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.28%
35) Dibromofluoromethane	5.464	113	117421	49.04	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.08%
50) Toluene-d8	8.695	98	413953	48.31	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.62%
62) 4-Bromofluorobenzene	11.122	95	148195	48.98	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.96%
Target Compounds						Qvalue
5) Bromomethane	1.636	94	393	0.28	ug/l	96
6) Chloroethane	1.697	64	62	0.47	ug/l #	1
10) Methyl Iodide	2.495	142	797	0.30	ug/l #	79
11) Tert butyl alcohol	3.044	59	19	Below	Cal #	73
13) Acrolein	2.276	56	165	0.50	ug/l #	29
15) Acrylonitrile	3.117	53	287	0.28	ug/l	88
16) Acetone	2.410	43	1038	Below	Cal	99
17) Carbon Disulfide	2.550	76	1331	0.26	ug/l #	85
20) Methylene Chloride	2.837	84	523	0.23	ug/l #	85
29) Tetrahydrofuran	5.111	42	195	0.25	ug/l #	27
31) Cyclohexane	5.629	56	4197	1.51	ug/l #	6
36) 1,1-Dichloropropene	5.623	75	16190	5.13	ug/l #	49
38) Carbon Tetrachloride	5.617	117	20848	5.66	ug/l #	18
58) 2-Chloroethyl Vinyl ether	8.275	63	20	4.58	ug/l #	45
74) N-amyl acetate	10.878	43	125	1.27	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	74328	25.51	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	74328	69.52	ug/l #	12
94) Hexachlorobutadiene	13.762	225	316	1.07	ug/l	79
95) Naphthalene	13.817	128	1161	3.95	ug/l #	86

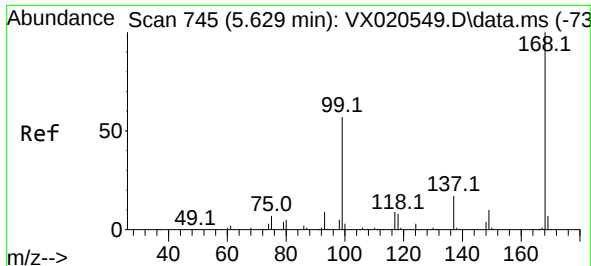
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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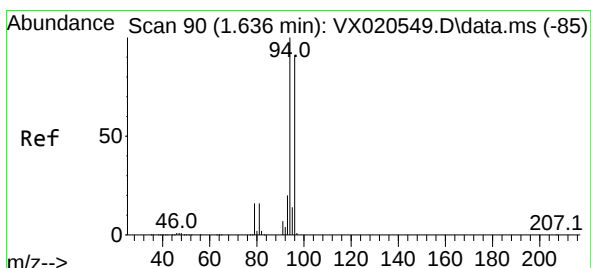
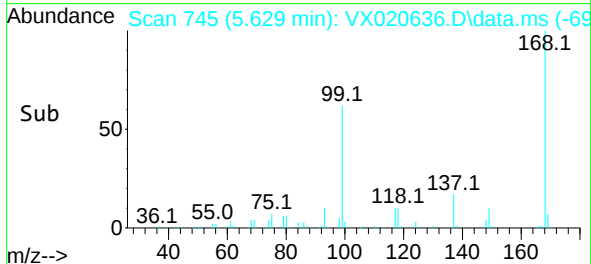
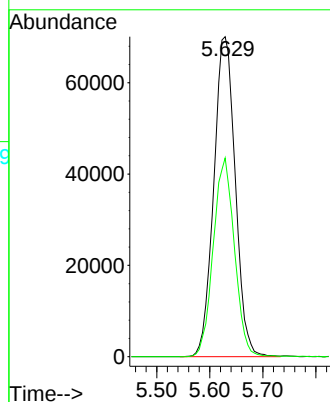
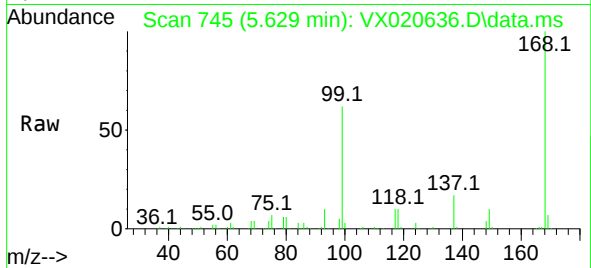




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

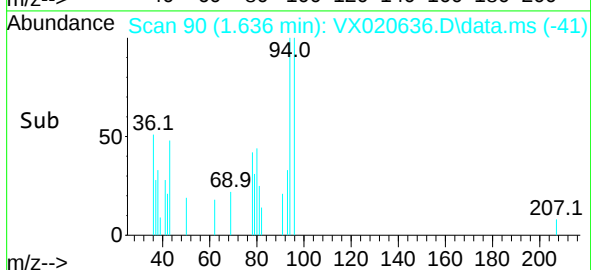
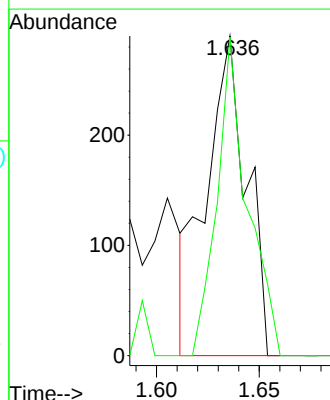
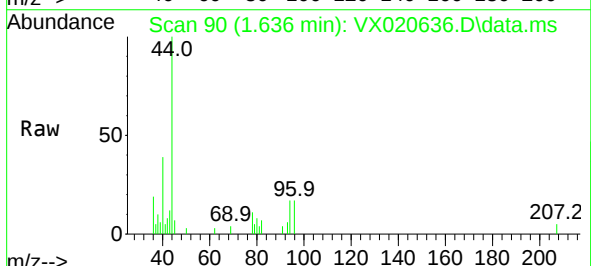
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

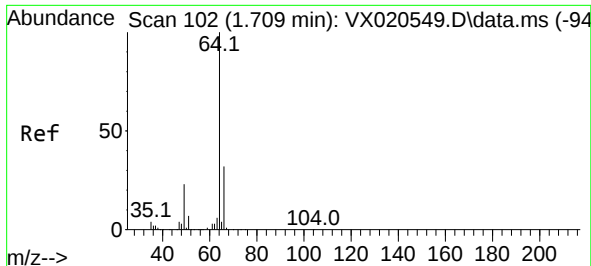
Tgt Ion:168 Resp: 197582
Ion Ratio Lower Upper
168 100
99 62.1 45.8 68.6



#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 99.7 76.4 114.6

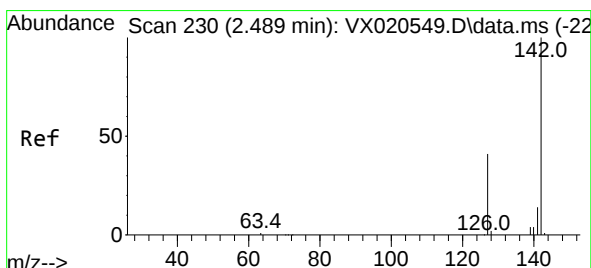
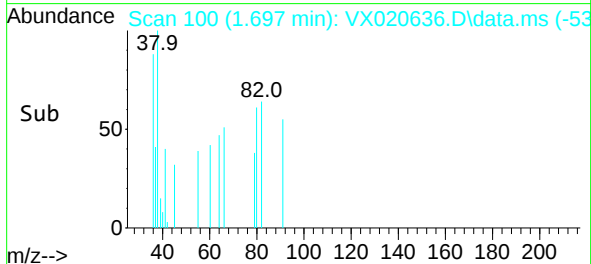
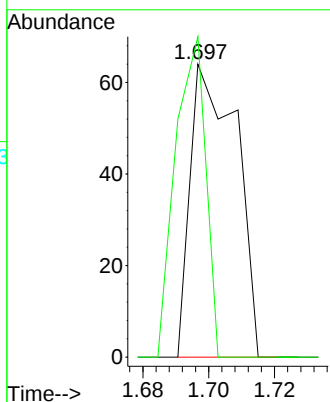
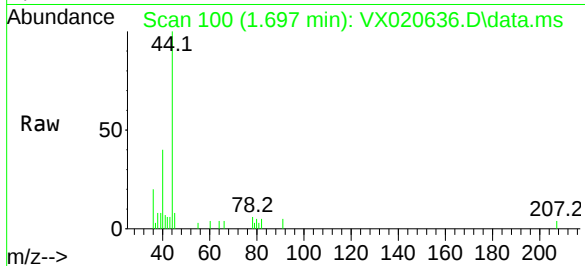




#6
Chloroethane
Concen: 0.47 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.012 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

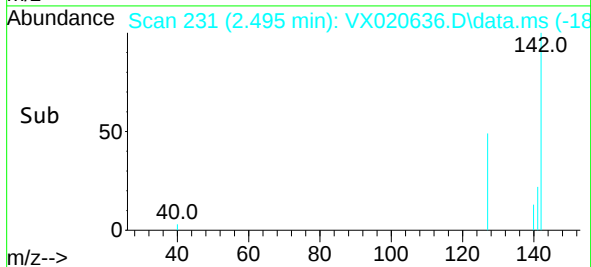
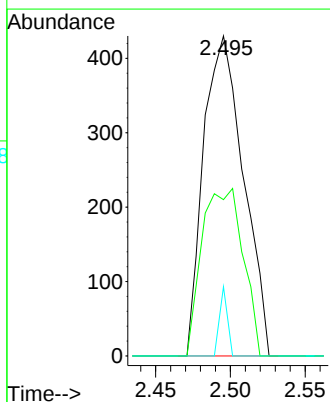
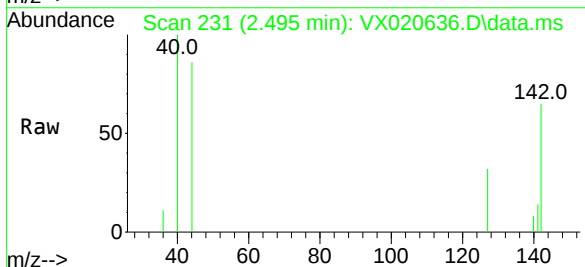
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

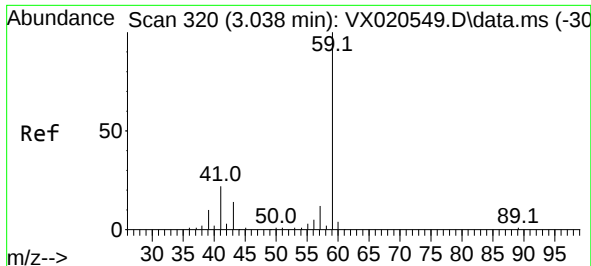
Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 109.4 25.4 38.0#



#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

Tgt Ion:142 Resp: 797
Ion Ratio Lower Upper
142 100
127 53.8 33.3 49.9#
141 4.3 11.4 17.0#

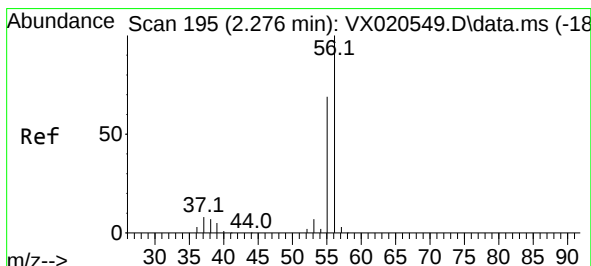
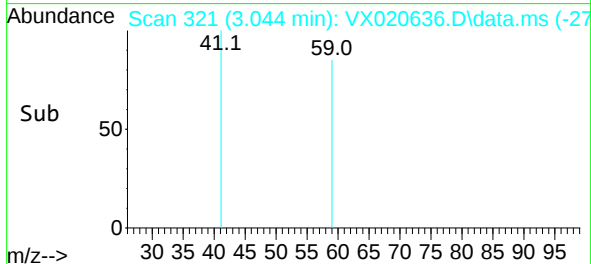
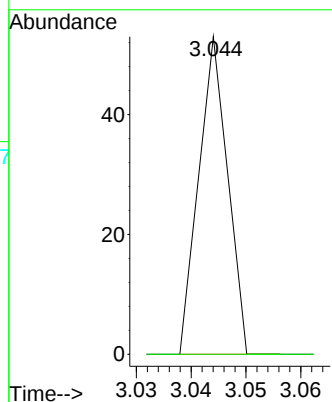
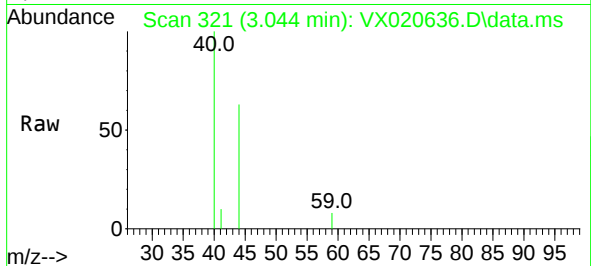




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.044 min Scan# 321
Delta R.T. 0.006 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

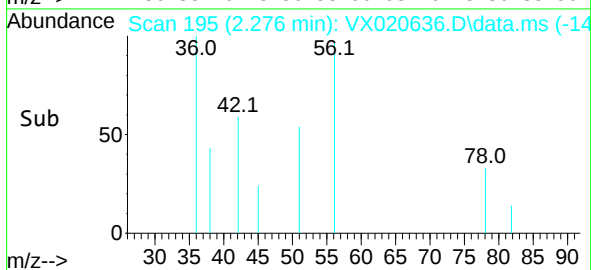
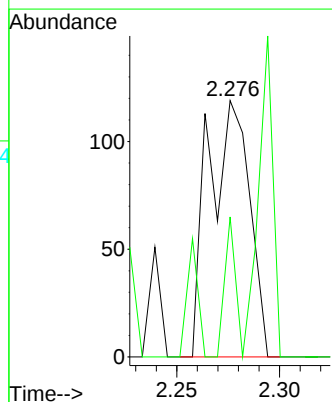
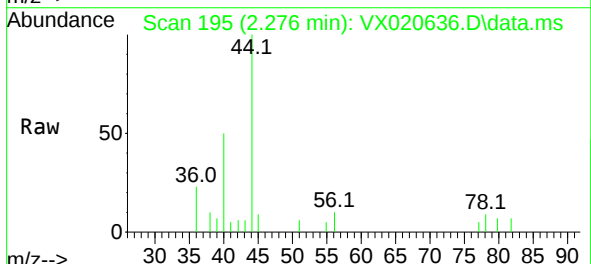
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

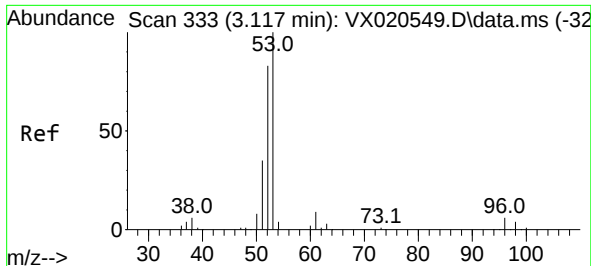
Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.50 ug/l
RT: 2.276 min Scan# 195
Delta R.T. -0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 12.1 56.4 84.6#

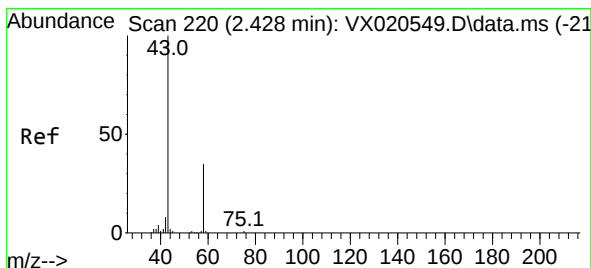
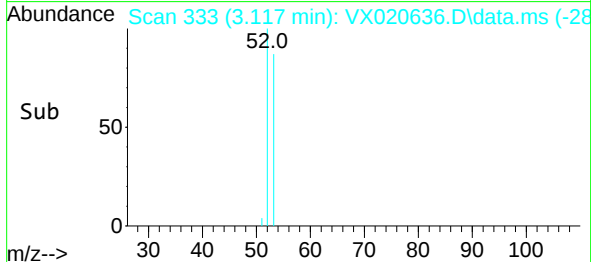
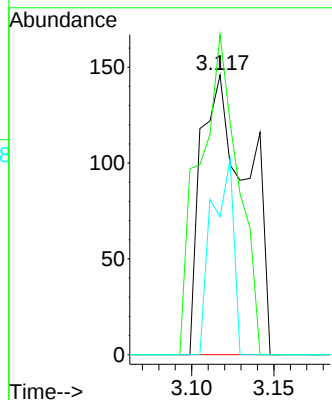
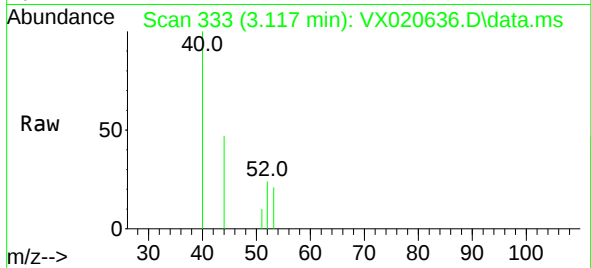




#15
Acrylonitrile
Concen: 0.28 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

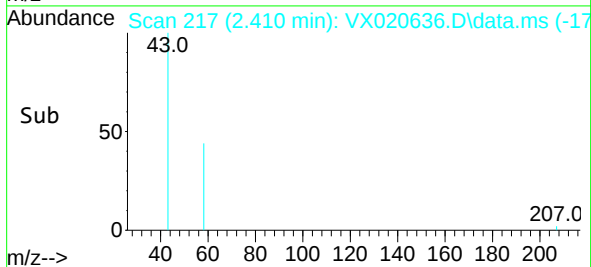
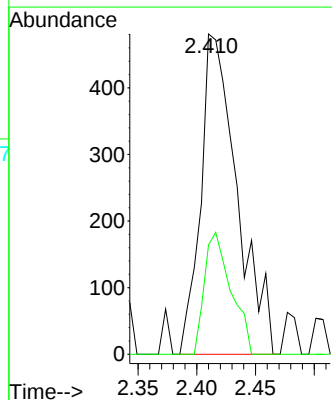
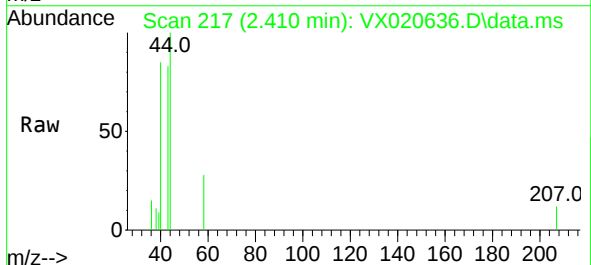
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

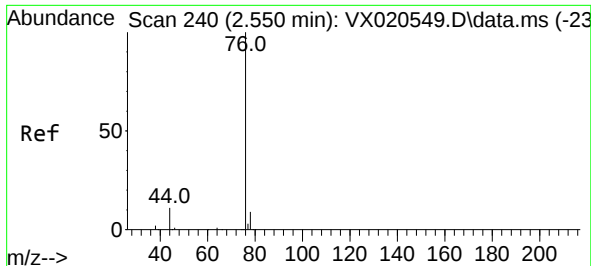
Tgt Ion: 53	Resp:	287	
Ion	Ratio	Lower	Upper
53	100		
52	95.5	65.3	97.9
51	32.4	28.2	42.2



#16
Acetone
Concen: Below Cal
RT: 2.410 min Scan# 217
Delta R.T. -0.018 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

Tgt Ion: 43	Resp:	1038	
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.8	41.8

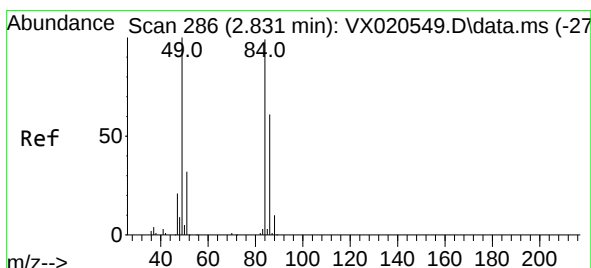
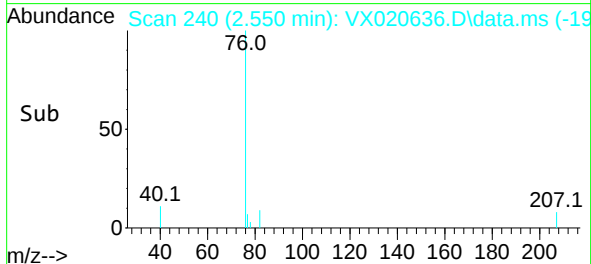
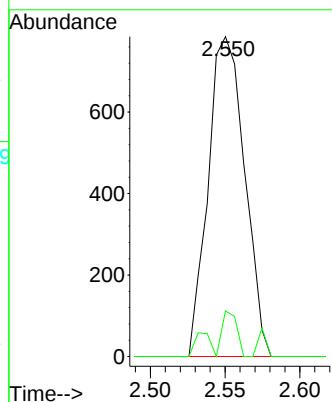
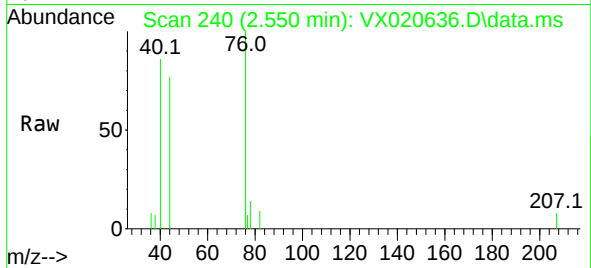




#17
Carbon Disulfide
Concen: 0.26 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

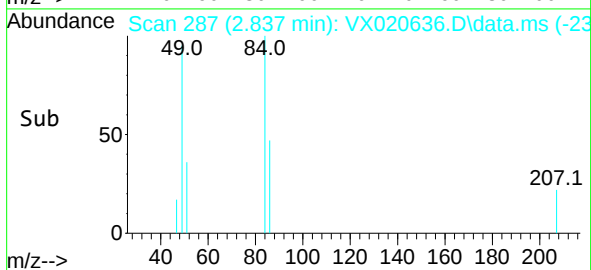
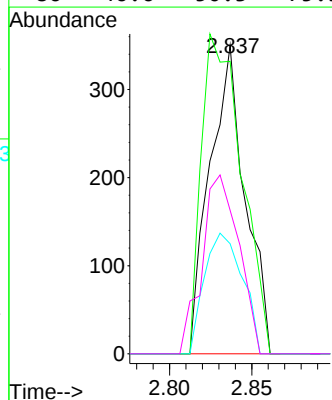
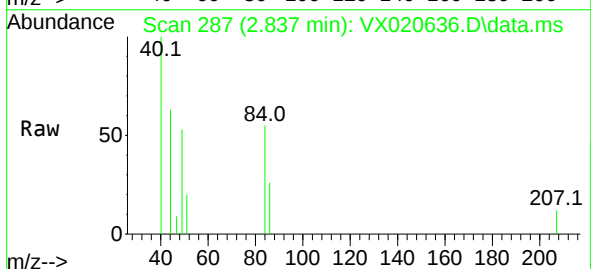
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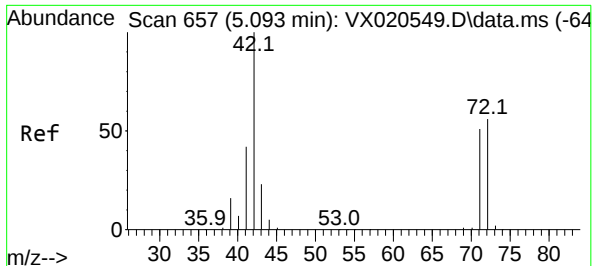
Tgt Ion: 76 Resp: 1331
Ion Ratio Lower Upper
76 100
78 14.3 7.2 10.8#



#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

Tgt Ion: 84 Resp: 523
Ion Ratio Lower Upper
84 100
49 94.9 88.6 132.8
51 35.7 27.0 40.6
86 46.6 50.3 75.5#





#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.111 min Scan# 660

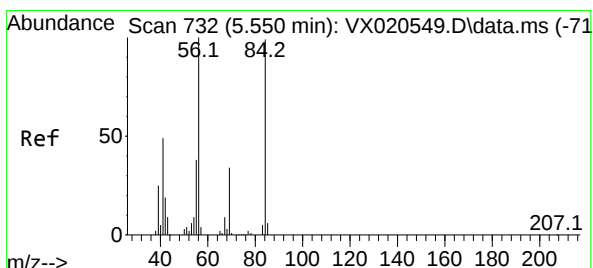
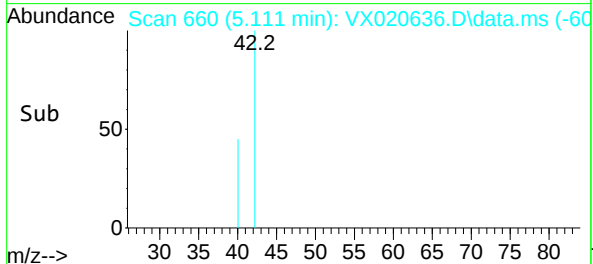
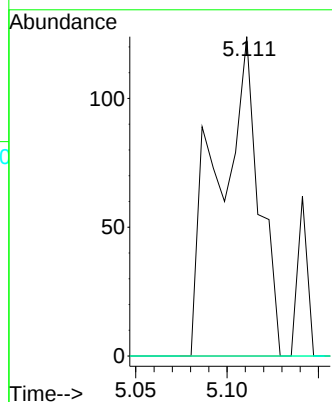
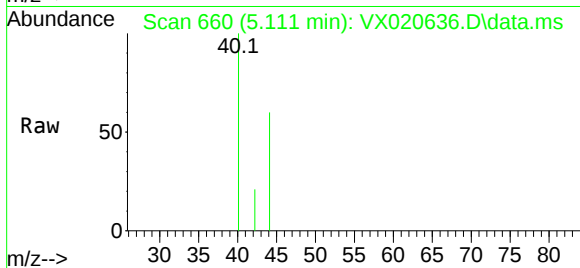
Delta R.T. 0.018 min

Lab File: VX020636.D

Acq: 15 Jan 2021 17:23

Tgt Ion:	42	Resp:	195
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

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



#31

Cyclohexane

Concen: 1.51 ug/l

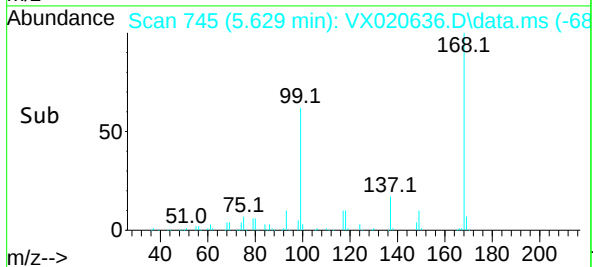
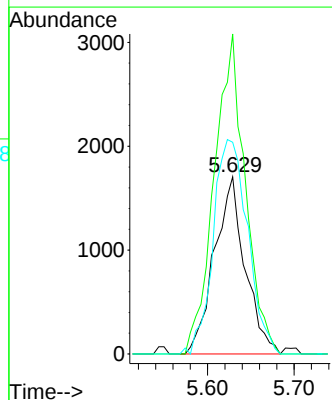
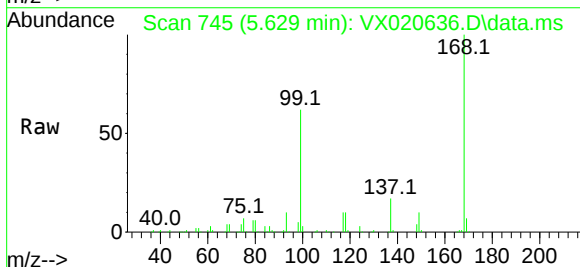
RT: 5.629 min Scan# 745

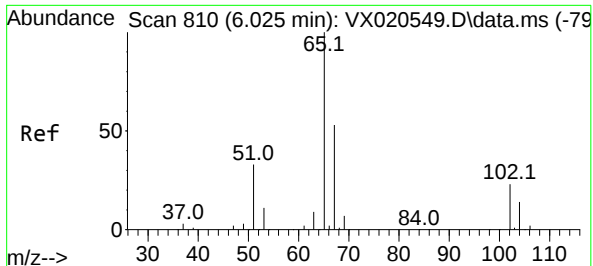
Delta R.T. 0.079 min

Lab File: VX020636.D

Acq: 15 Jan 2021 17:23

Tgt Ion:	56	Resp:	4197
Ion	Ratio	Lower	Upper
56	100		
69	180.7	25.3	37.9#
84	119.5	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 58.14 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020636.D

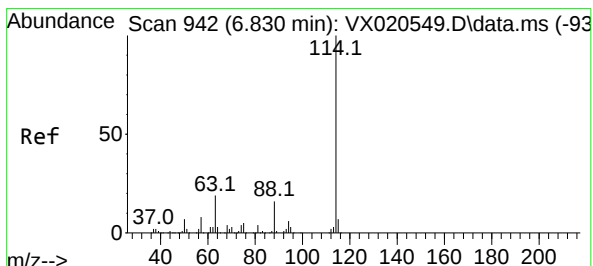
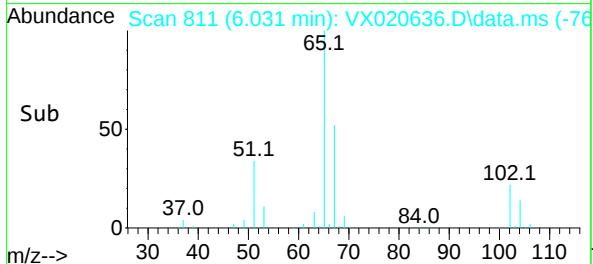
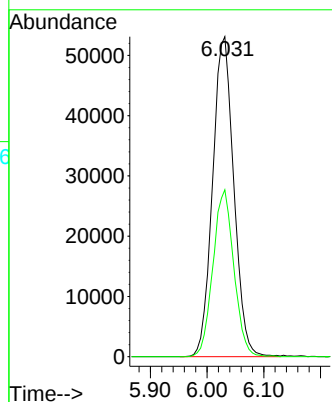
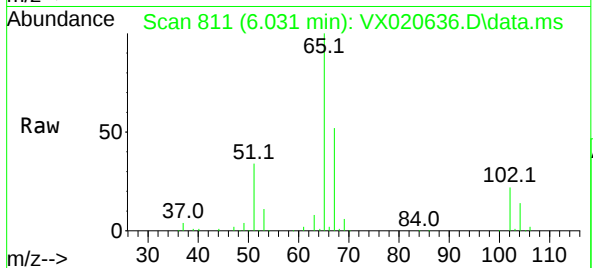
Acq: 15 Jan 2021 17:23

Tgt Ion: 65 Resp: 137975

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. -0.000 min

Lab File: VX020636.D

Acq: 15 Jan 2021 17:23

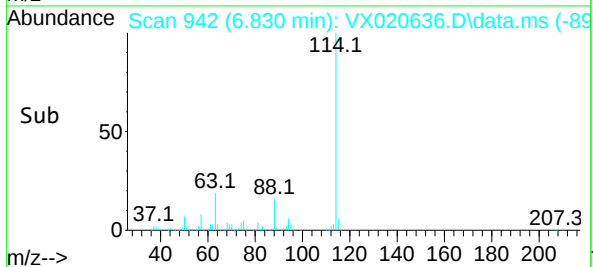
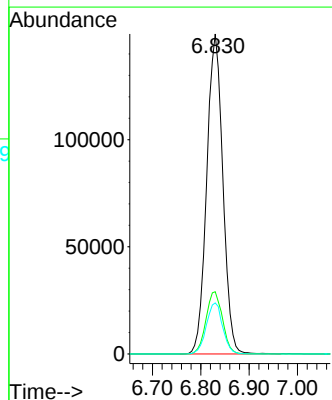
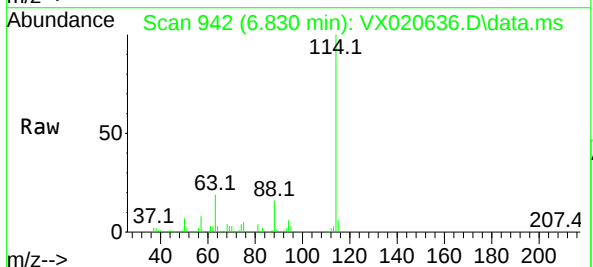
Tgt Ion: 114 Resp: 345598

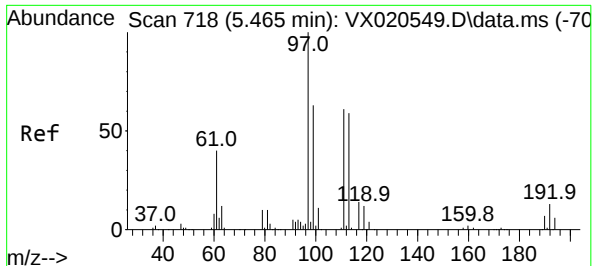
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

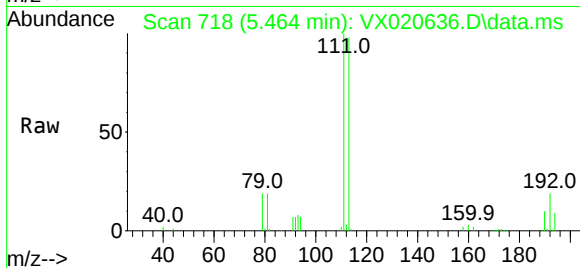
88 15.9 0.0 32.8



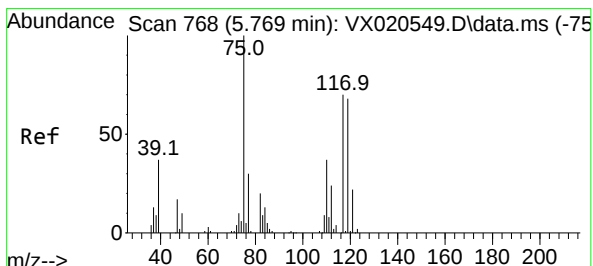
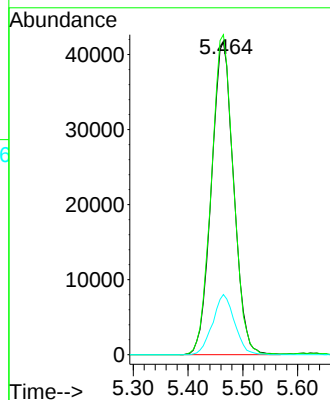
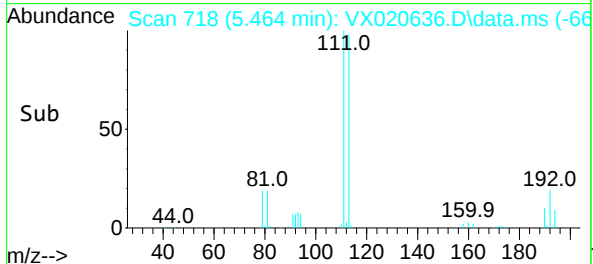


#35
Dibromofluoromethane
Concen: 49.04 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

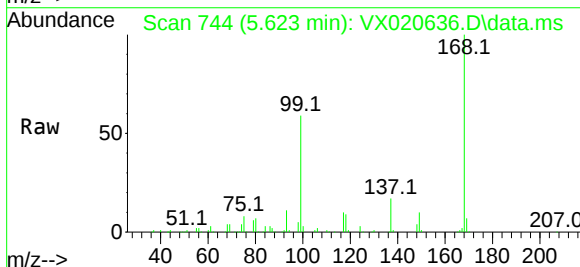
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6



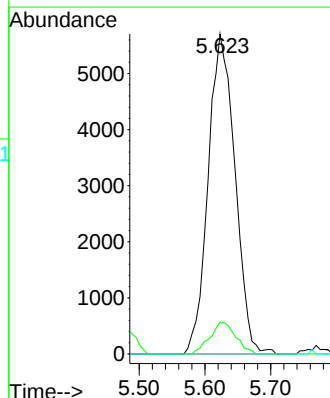
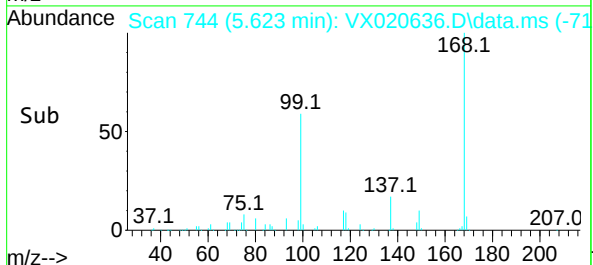
Tgt Ion:113 Resp: 117421
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 18.9 16.7 25.1

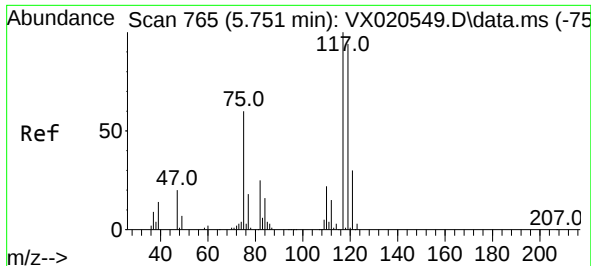


#36
1,1-Dichloropropene
Concen: 5.13 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23



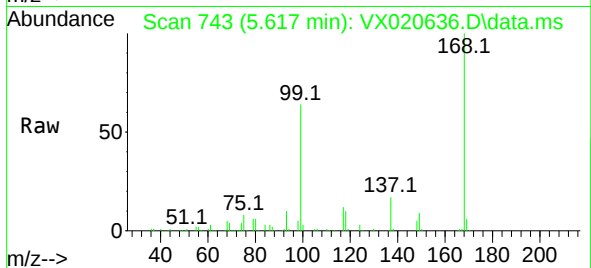
Tgt Ion: 75 Resp: 16190
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



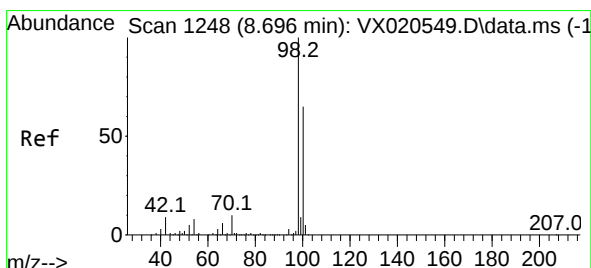
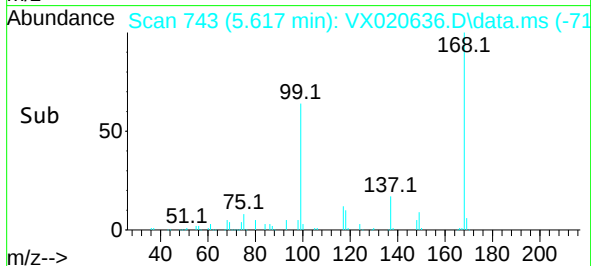
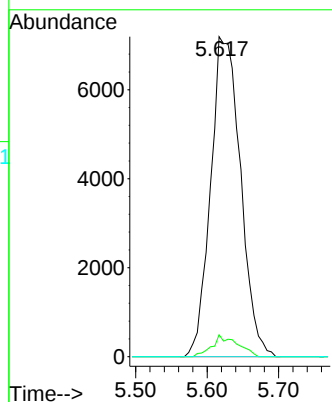


#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 5.617 min Scan# 743
Delta R.T. -0.134 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

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

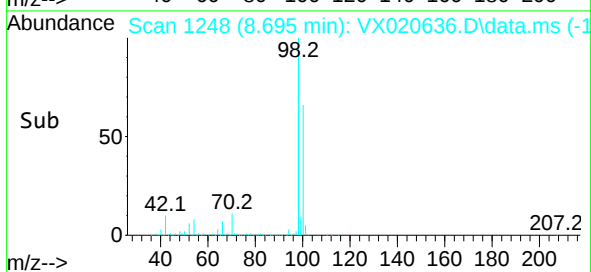
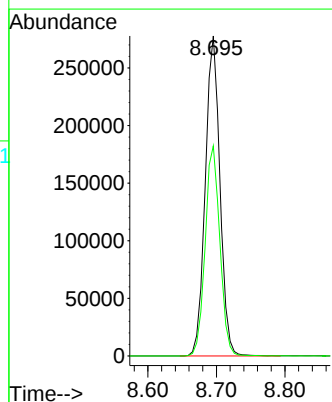
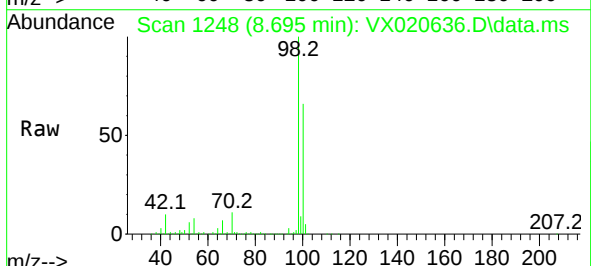


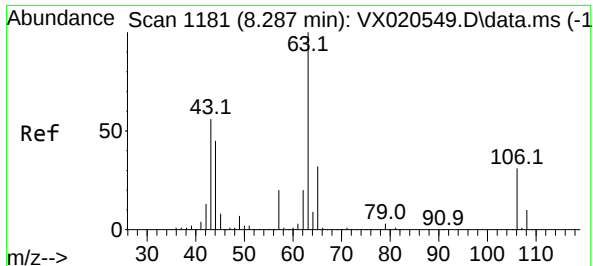
Tgt Ion:117 Resp: 20848
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.31 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

Tgt Ion: 98 Resp: 413953
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9

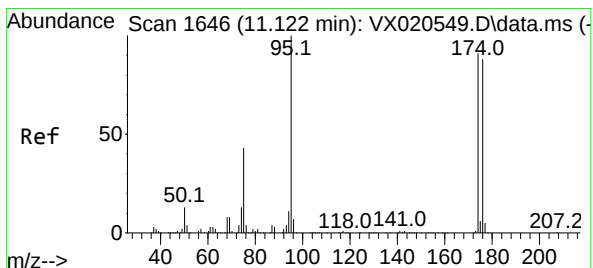
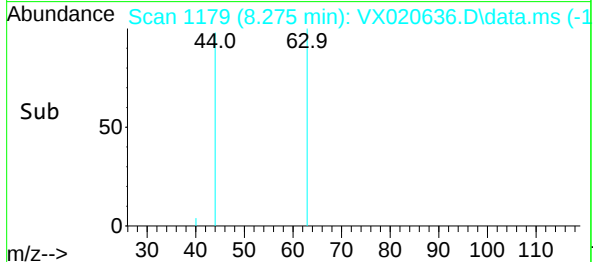
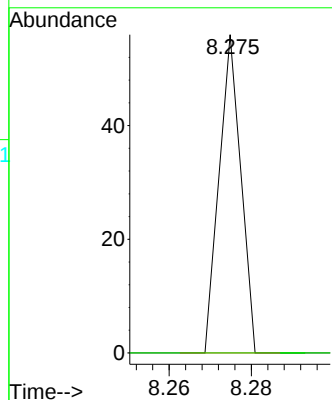
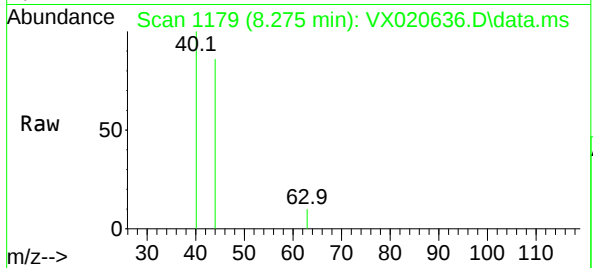




#58
2-Chloroethyl Vinyl ether
Concen: 4.58 ug/l
RT: 8.275 min Scan# 1179
Delta R.T. -0.012 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

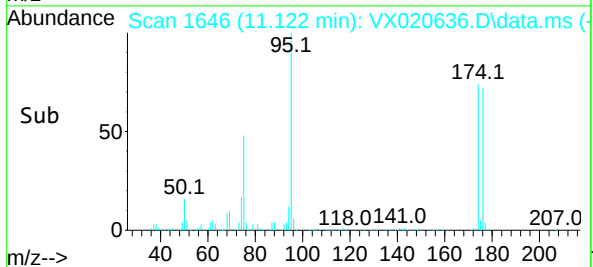
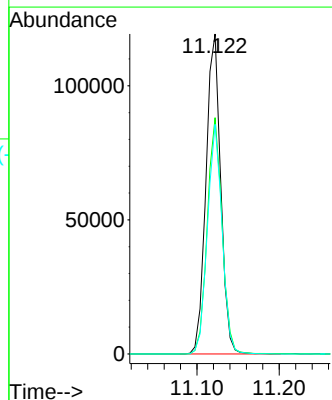
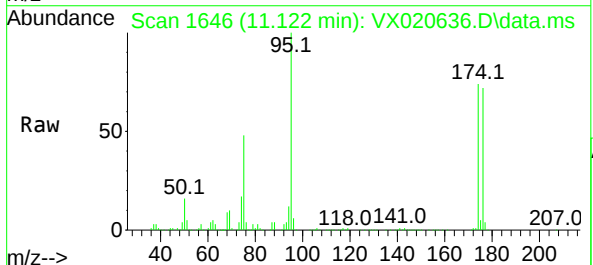
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

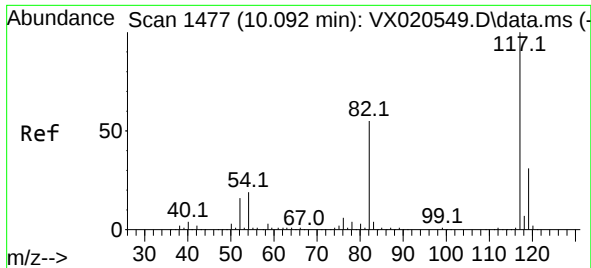
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#62
4-Bromofluorobenzene
Concen: 48.98 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

Tgt Ion: 95 Resp: 148195
Ion Ratio Lower Upper
95 100
174 74.3 0.0 154.6
176 71.3 0.0 155.8

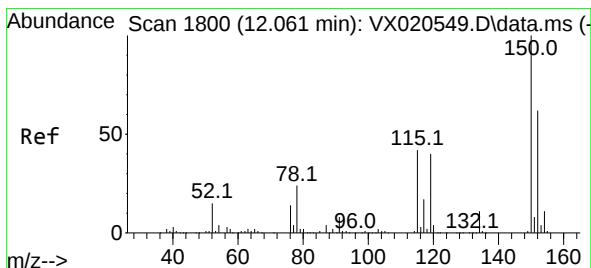
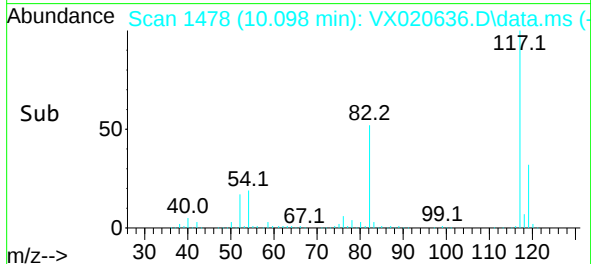
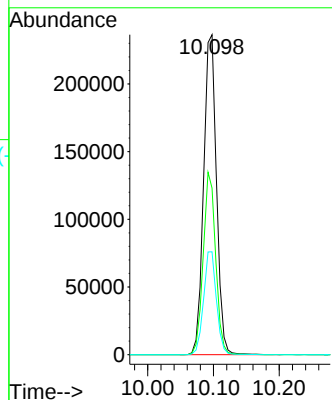
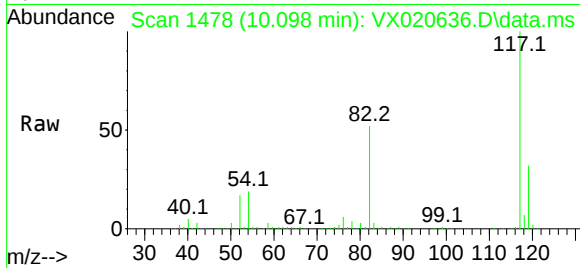




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

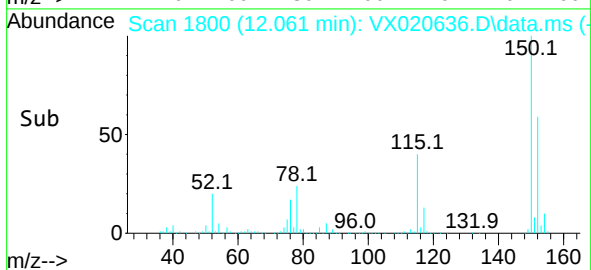
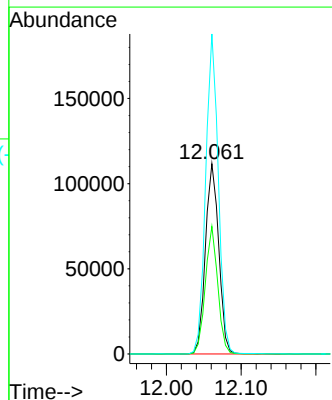
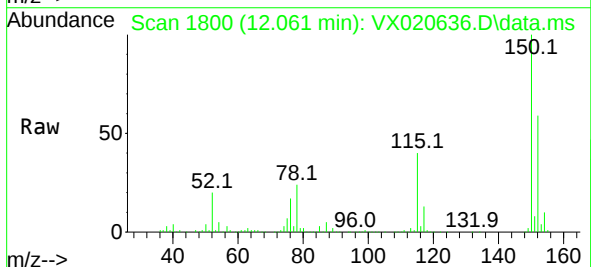
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

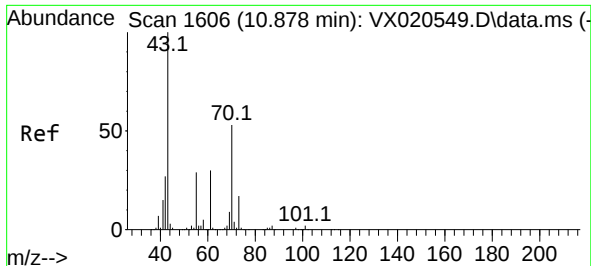
Tgt Ion:117 Resp: 321610
Ion Ratio Lower Upper
117 100
82 52.1 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

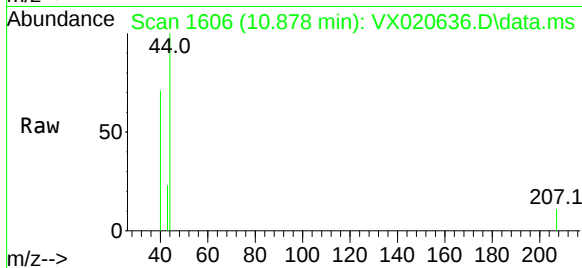
Tgt Ion:152 Resp: 138290
Ion Ratio Lower Upper
152 100
115 62.7 41.1 123.3
150 159.5 0.0 349.0



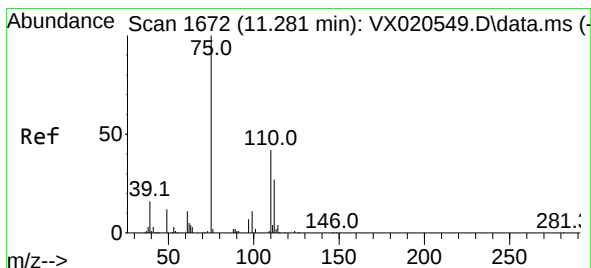
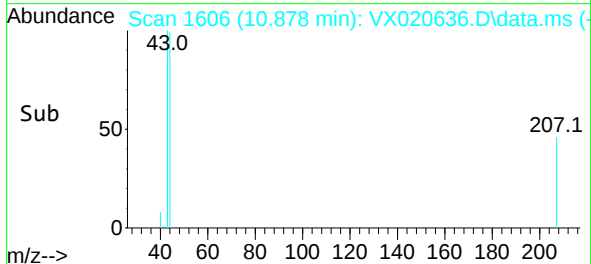
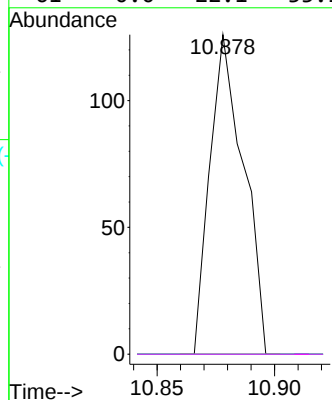


#74
N-amy1 acetate
Concen: 1.27 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

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

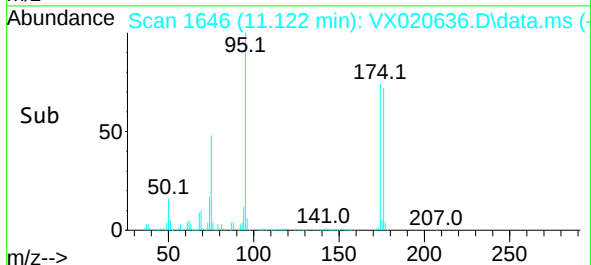
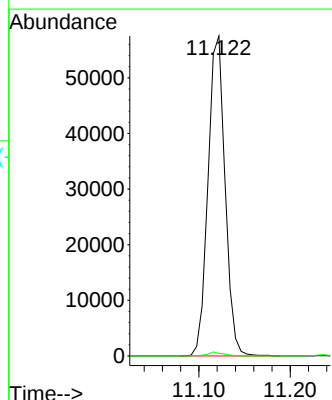
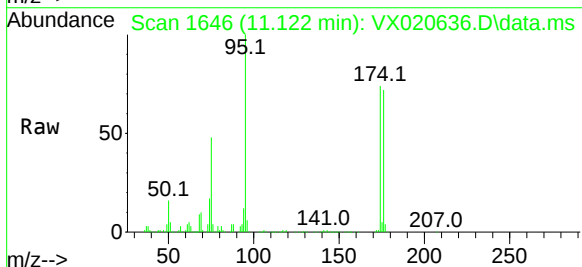


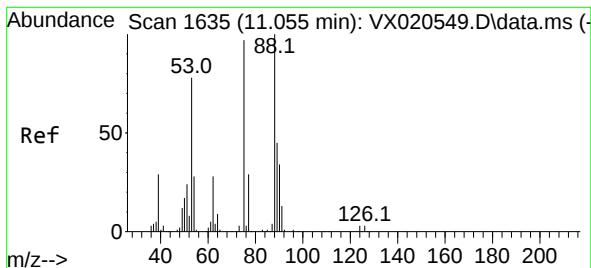
Tgt Ion:	43	Resp:	125
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	21.5	32.3#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 25.51 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.159 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

Tgt Ion:	75	Resp:	74328
Ion	Ratio	Lower	Upper
75	100		
77	1.1	19.1	57.5#

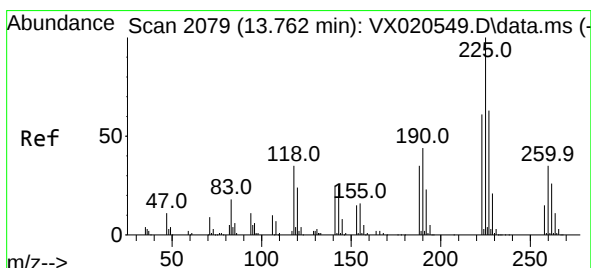
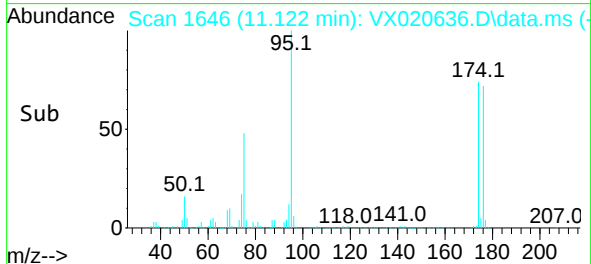
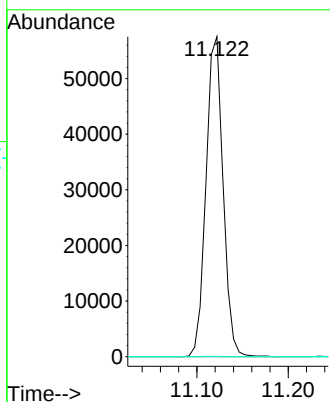
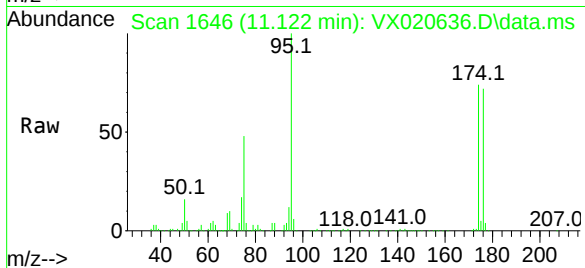




#81
trans-1,4-Dichloro-2-butene
Concen: 69.52 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

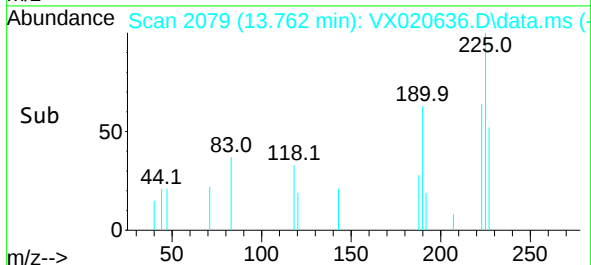
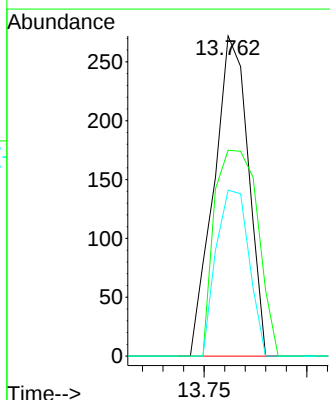
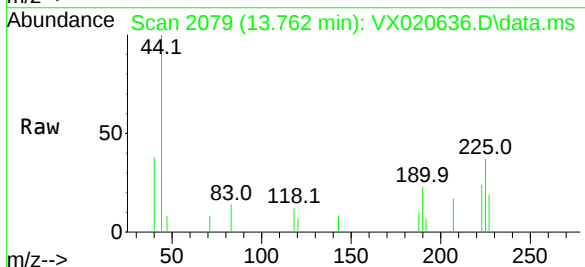
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

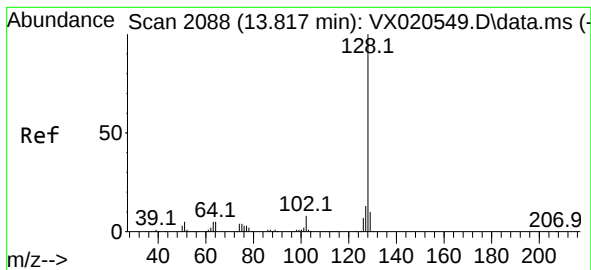
Tgt Ion: 75 Resp: 74328
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 1.07 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.000 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

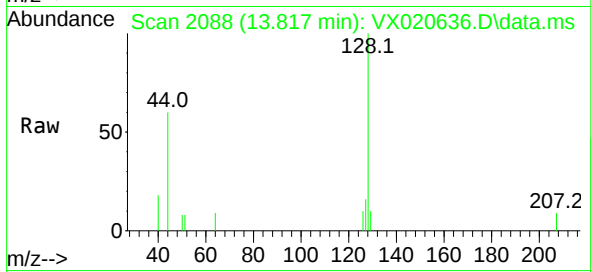
Tgt Ion: 225 Resp: 316
Ion Ratio Lower Upper
225 100
223 81.0 31.1 93.2
227 49.4 31.6 95.0





#95
Naphthalene
Concen: 3.95 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.001 min
Lab File: VX020636.D
Acq: 15 Jan 2021 17:23

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



Tgt Ion:	128	Resp:	1161
Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.3	15.5#
129	5.3	8.8	13.2#

