

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122820\
 Data File : VX020405.D
 Acq On : 28 Dec 2020 12:02
 Operator : JC/MD
 Sample : L5216-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Dec 29 00:38:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.623	168	257461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	423289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	390881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	156392	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	167430	48.51	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.02%
35) Dibromofluoromethane	5.464	113	135152	49.91	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.82%
50) Toluene-d8	8.695	98	517940	49.69	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.38%
62) 4-Bromofluorobenzene	11.122	95	173350	43.46	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.92%

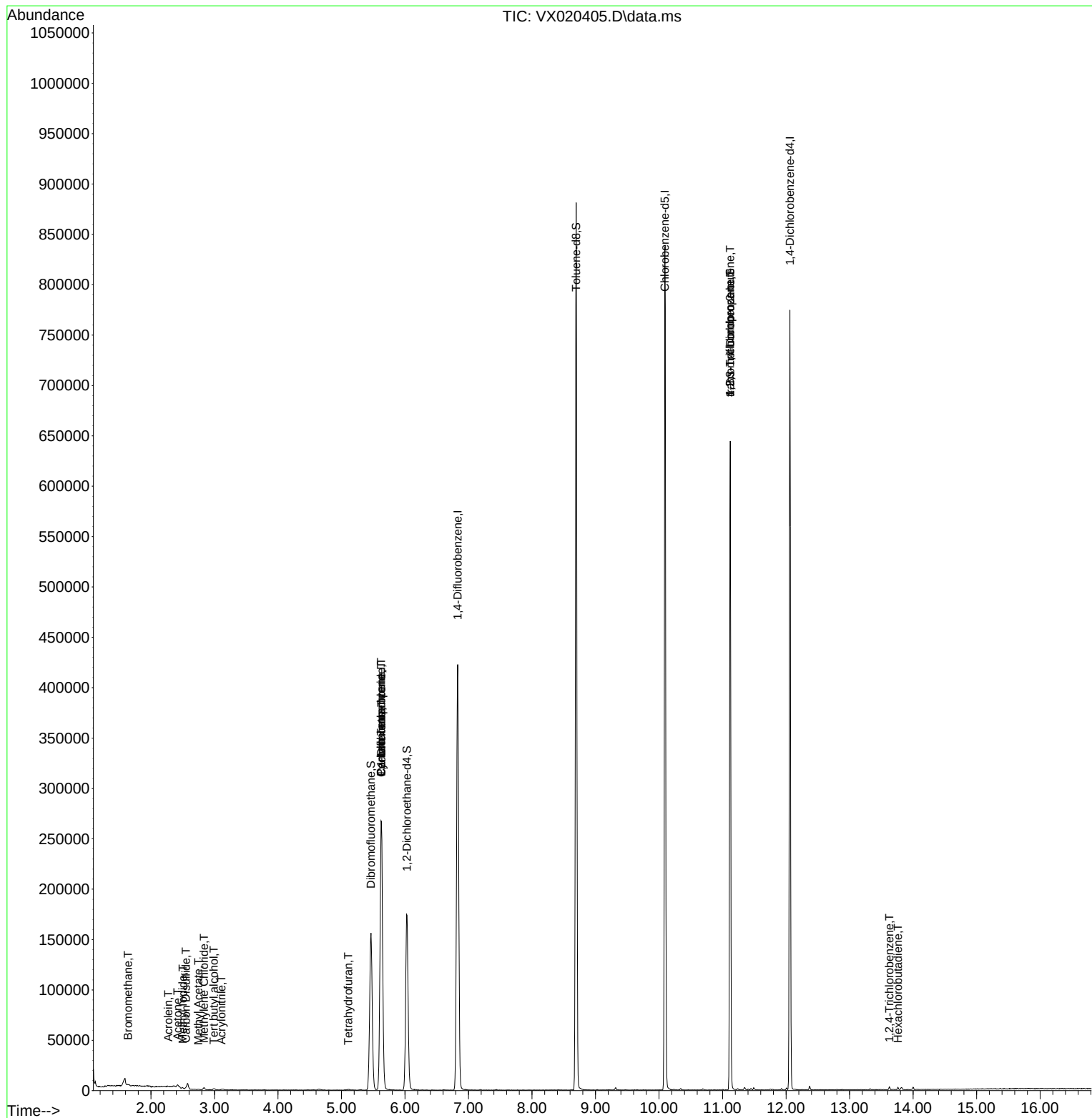
Target Compounds						Qvalue
5) Bromomethane	1.636	94	739	0.65	ug/l	85
10) Methyl Iodide	2.501	142	1164	3.60	ug/l #	79
11) Tert butyl alcohol	2.989	59	885	1.15	ug/l #	73
13) Acrolein	2.270	56	335	0.69	ug/l #	42
15) Acrylonitrile	3.111	53	476	0.27	ug/l #	93
16) Acetone	2.416	43	2191	1.39	ug/l	99
17) Carbon Disulfide	2.550	76	1658	0.21	ug/l #	79
18) Methyl Acetate	2.745	43	765	0.22	ug/l #	78
20) Methylene Chloride	2.837	84	790	0.22	ug/l #	85
29) Tetrahydrofuran	5.105	42	587	0.41	ug/l #	62
31) Cyclohexane	5.629	56	5187	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20186	4.83	ug/l #	48
38) Carbon Tetrachloride	5.623	117	25239	6.34	ug/l #	16
76) 1,2,3-Trichloropropane	11.122	75	82841	21.50	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	82841	63.80	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.627	180	827	0.24	ug/l	99
94) Hexachlorobutadiene	13.762	225	410	2.91	ug/l	97

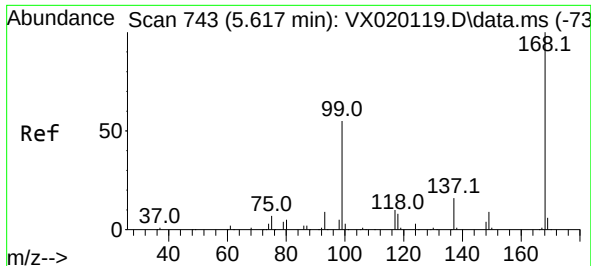
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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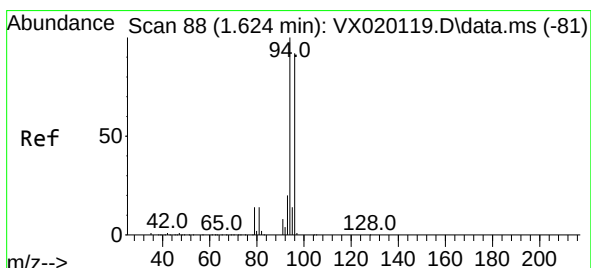
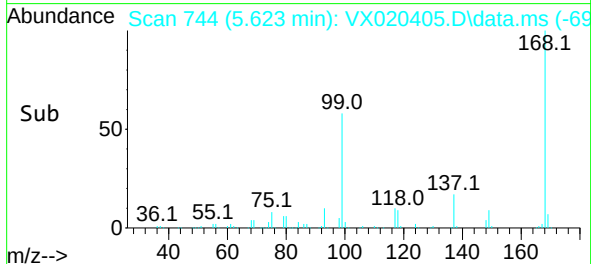
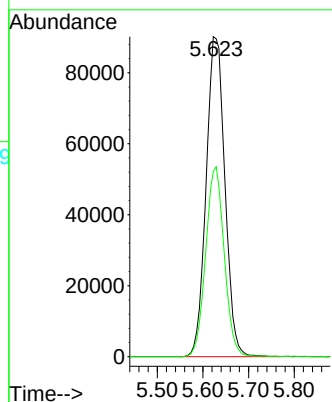
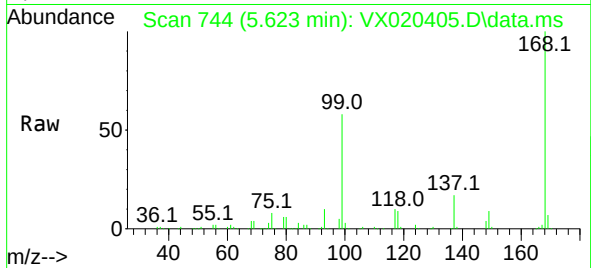




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.006 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

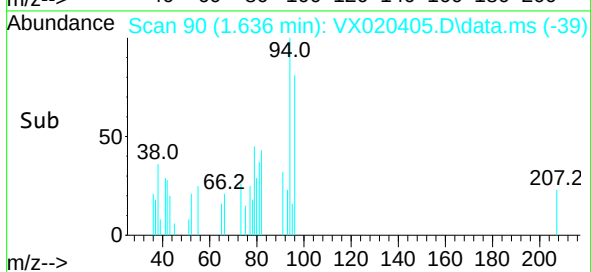
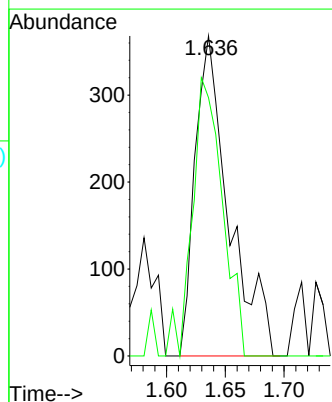
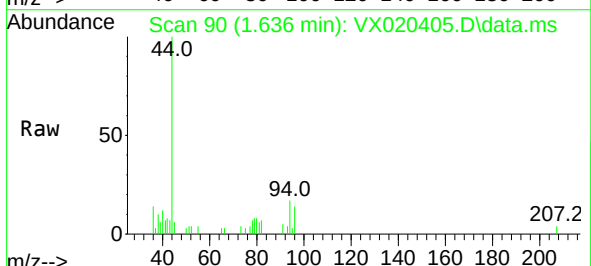
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

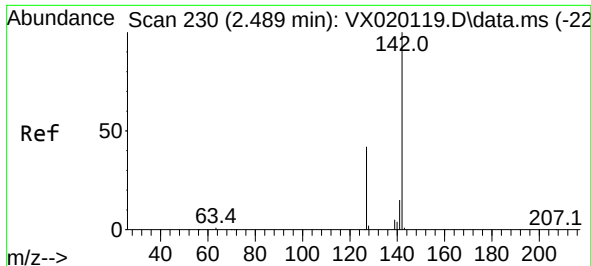
Tgt Ion:168 Resp: 257461
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.6



#5
Bromomethane
Concen: 0.65 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

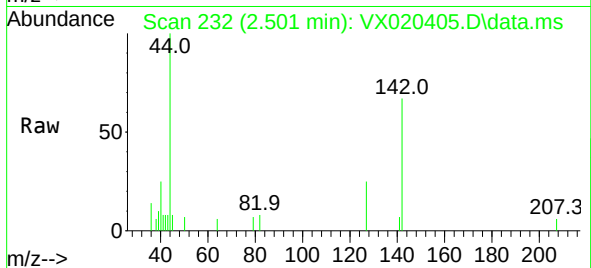
Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 80.7 76.4 114.6



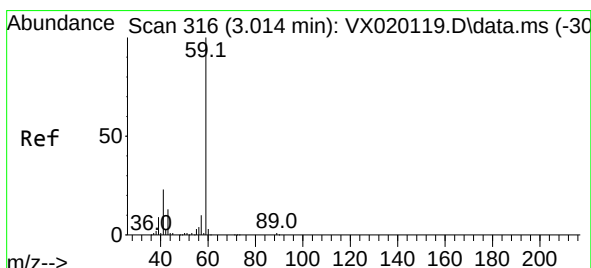
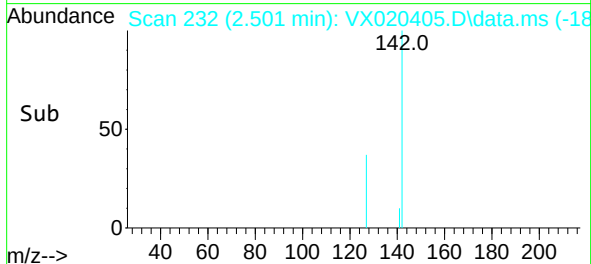
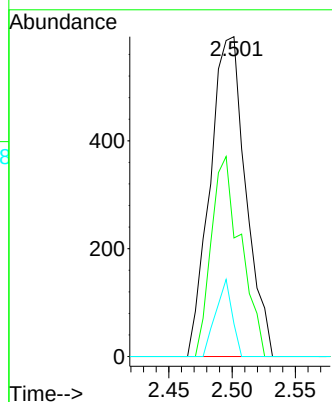


#10
Methyl Iodide
Concen: 3.60 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.012 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

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

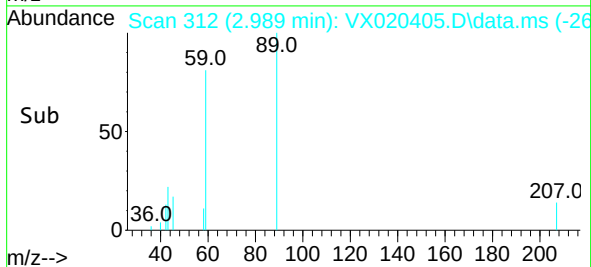
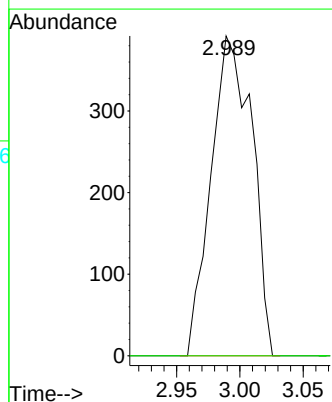
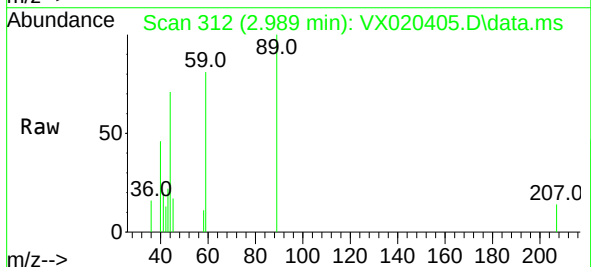


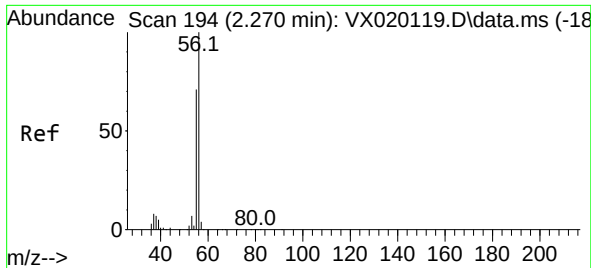
Tgt Ion:142 Resp: 1164
Ion Ratio Lower Upper
142 100
127 51.5 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.15 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

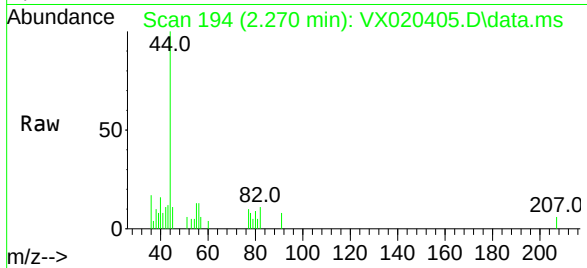
Tgt Ion: 59 Resp: 885
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



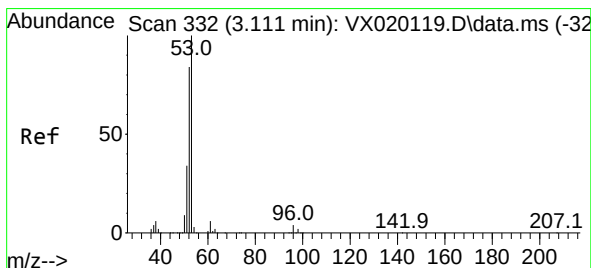
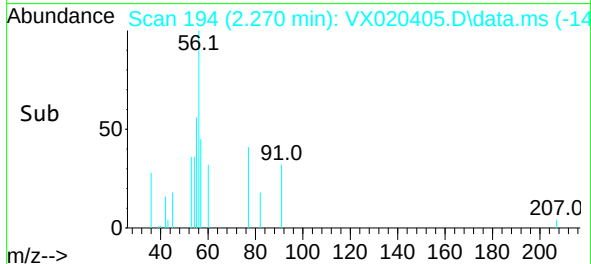
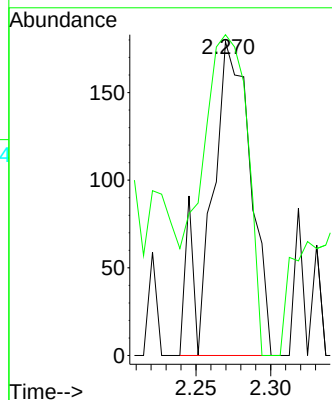


#13
Acrolein
Concen: 0.69 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

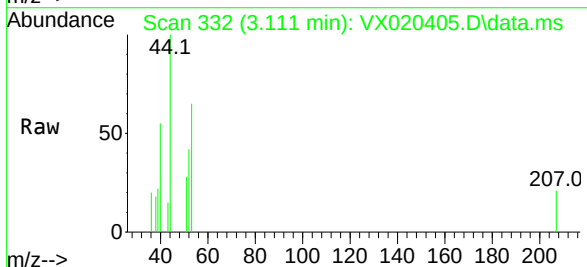
Instrument :
MSVOA_X
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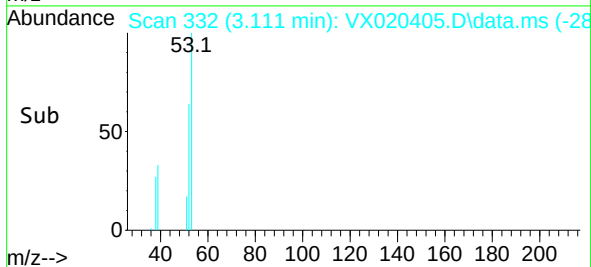
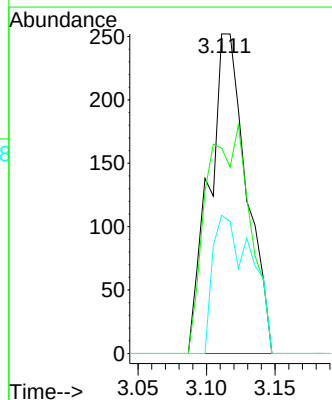
Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 117.9 56.4 84.6#

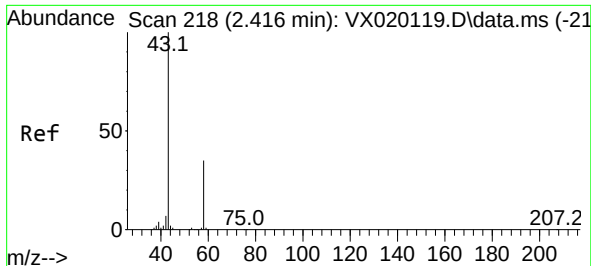


#15
Acrylonitrile
Concen: 0.27 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02



Tgt Ion: 53 Resp: 476
Ion Ratio Lower Upper
53 100
52 83.8 65.3 97.9
51 45.0 28.2 42.2#

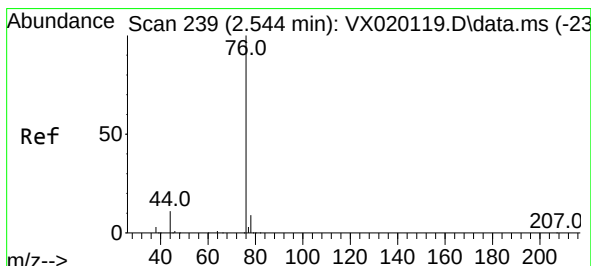
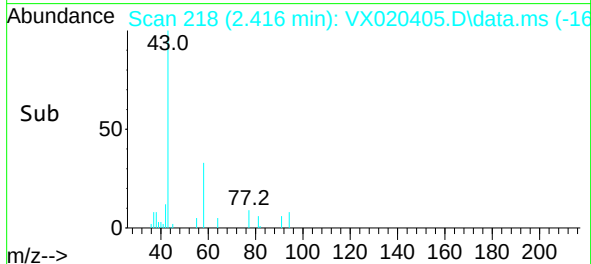
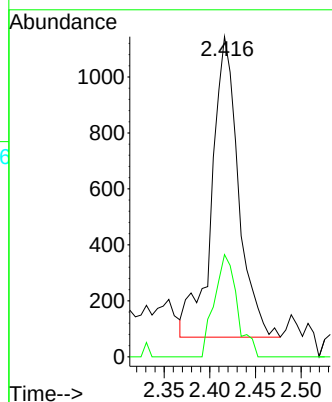
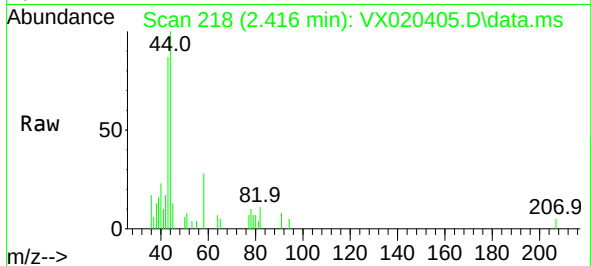




#16
Acetone
Concen: 1.39 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

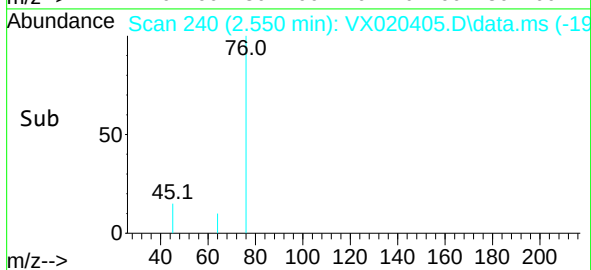
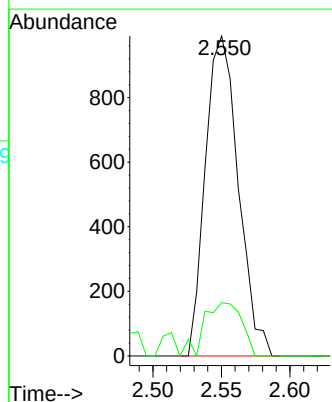
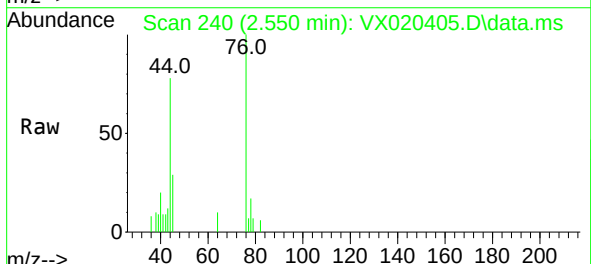
Instrument :
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ClientSampleId :
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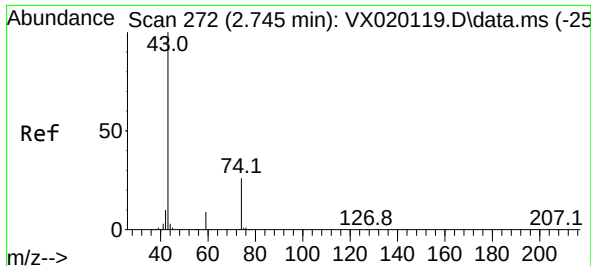
Tgt Ion: 43 Resp: 2191
Ion Ratio Lower Upper
43 100
58 34.0 27.8 41.8



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

Tgt Ion: 76 Resp: 1658
Ion Ratio Lower Upper
76 100
78 16.6 7.2 10.8#

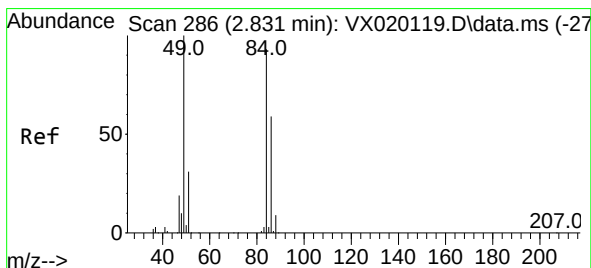
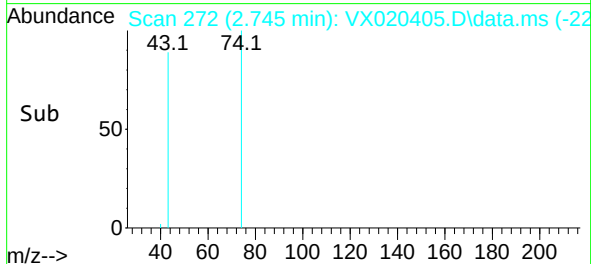
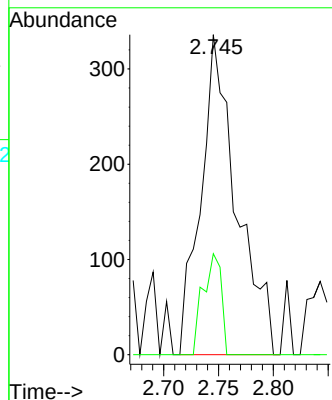
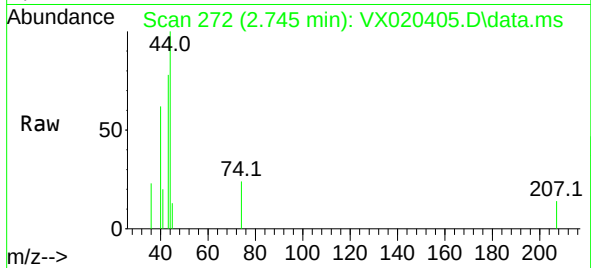




#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

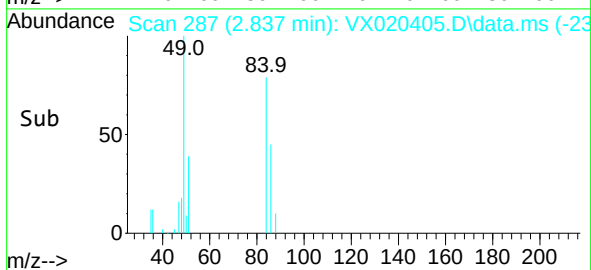
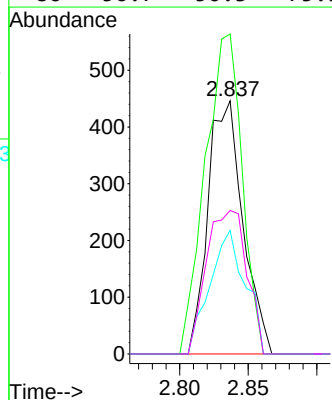
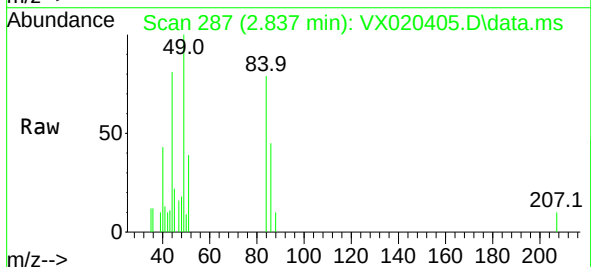
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

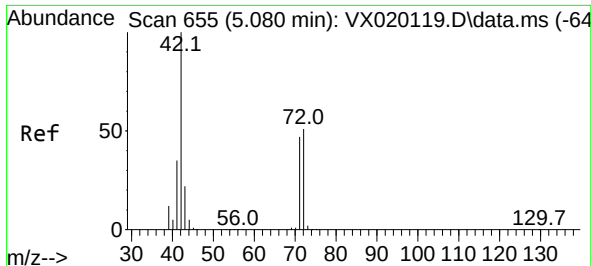
Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
74 16.1 21.9 32.9#



#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

Tgt Ion: 84 Resp: 790
Ion Ratio Lower Upper
84 100
49 126.5 88.6 132.8
51 48.9 27.0 40.6#
86 56.7 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.41 ug/l

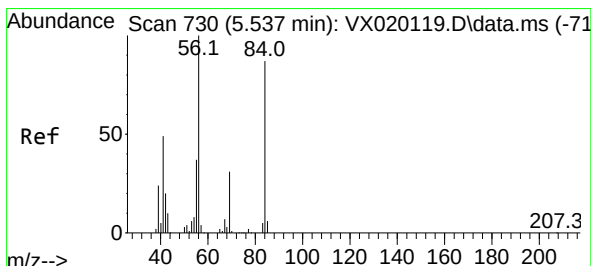
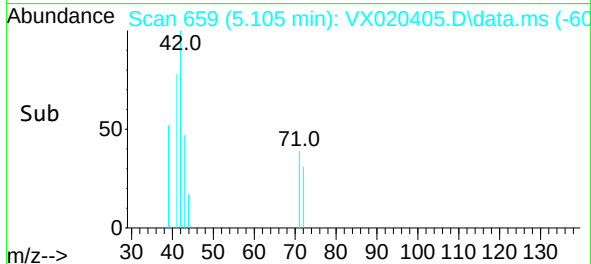
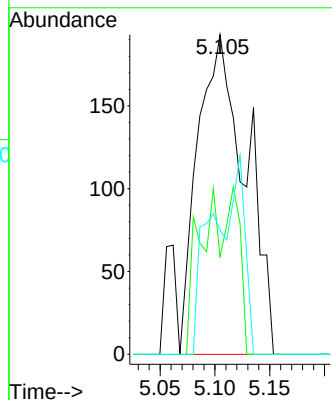
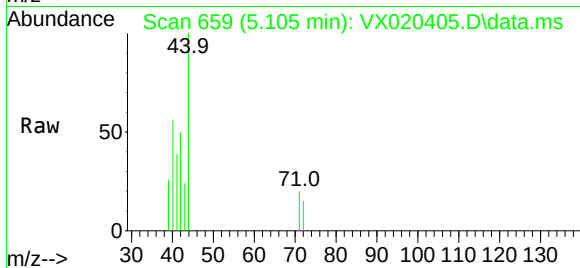
RT: 5.105 min Scan# 659

Delta R.T. 0.025 min

Lab File: VX020405.D

Acq: 28 Dec 2020 12:02

Tgt Ion:	42	Resp:	587
Ion Ratio	Lower	Upper	
42	100		
72	23.2	41.7	62.5#
71	24.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.09 ug/l

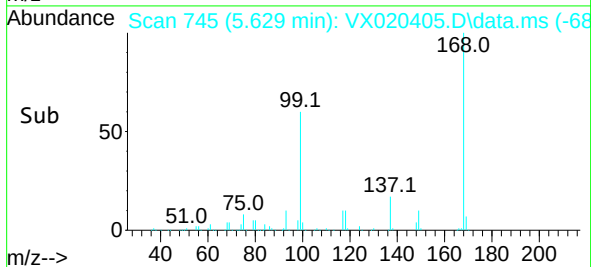
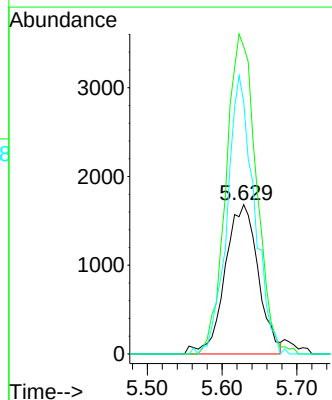
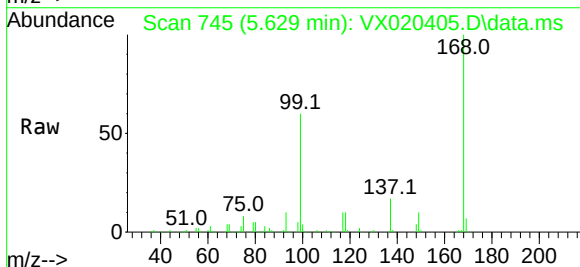
RT: 5.629 min Scan# 745

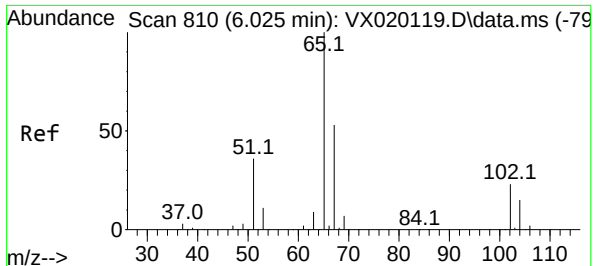
Delta R.T. 0.092 min

Lab File: VX020405.D

Acq: 28 Dec 2020 12:02

Tgt Ion:	56	Resp:	5187
Ion Ratio	Lower	Upper	
56	100		
69	205.8	25.3	37.9#
84	168.7	71.4	107.0#

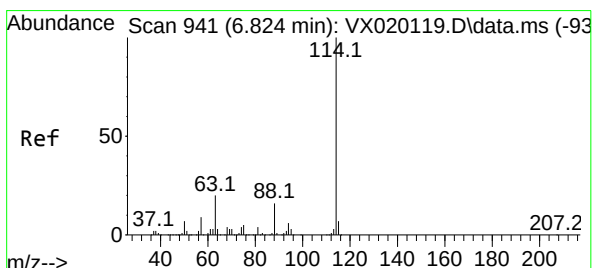
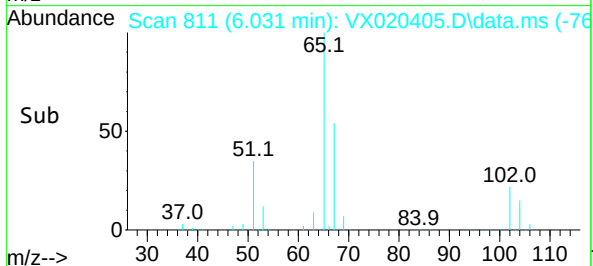
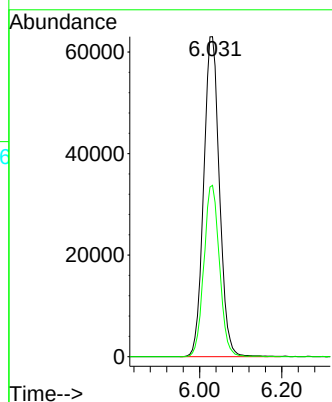
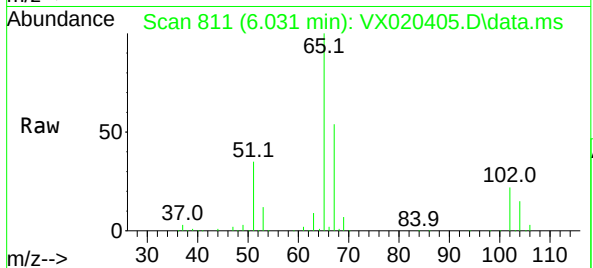




#33
1,2-Dichloroethane-d4
Concen: 48.51 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

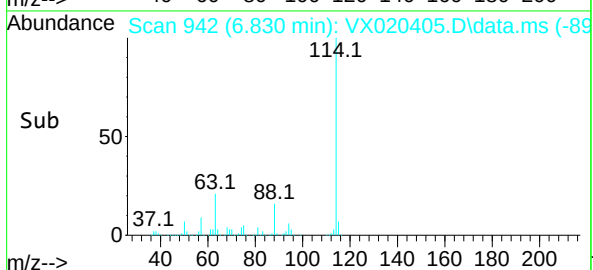
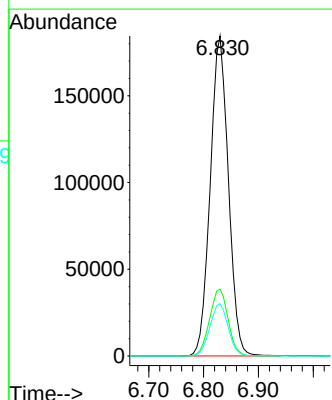
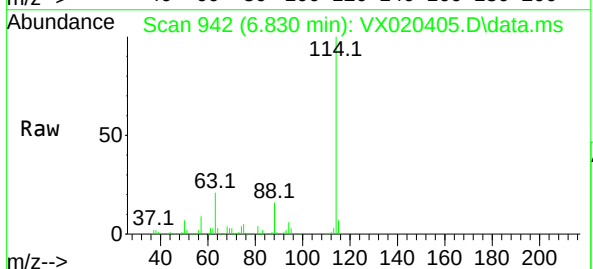
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

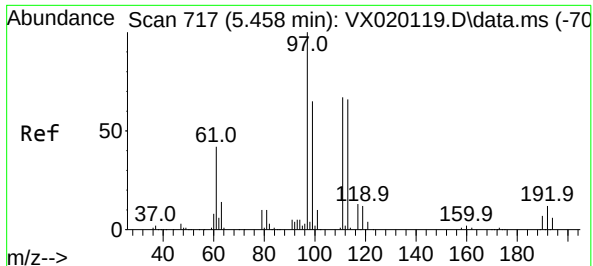
Tgt Ion: 65 Resp: 167430
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

Tgt Ion: 114 Resp: 423289
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.91 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX020405.D

Acq: 28 Dec 2020 12:02

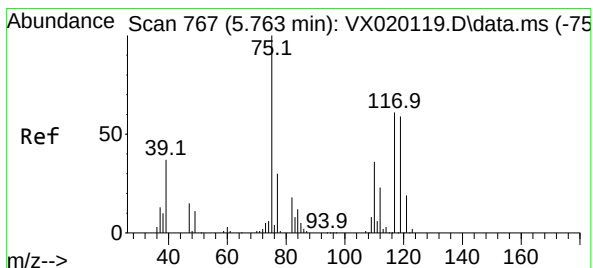
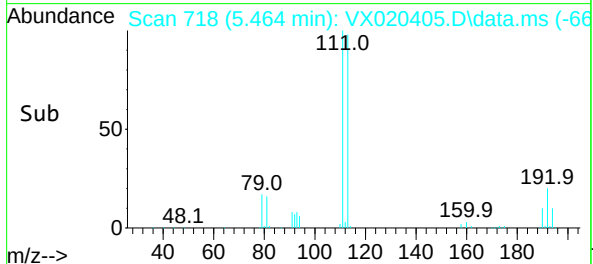
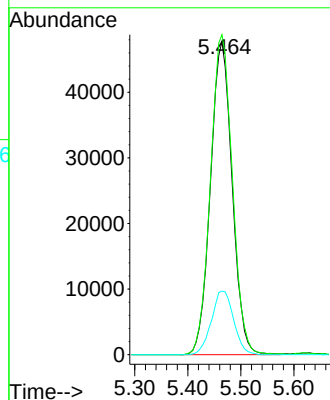
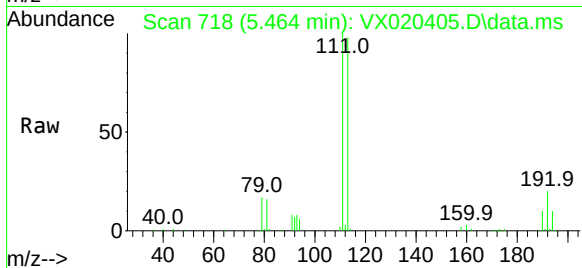
Tgt Ion:113 Resp: 135152

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 20.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.83 ug/l

RT: 5.623 min Scan# 744

Delta R.T. -0.140 min

Lab File: VX020405.D

Acq: 28 Dec 2020 12:02

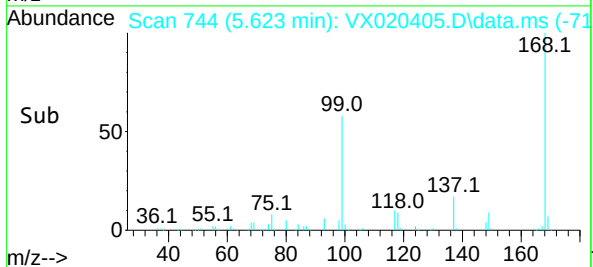
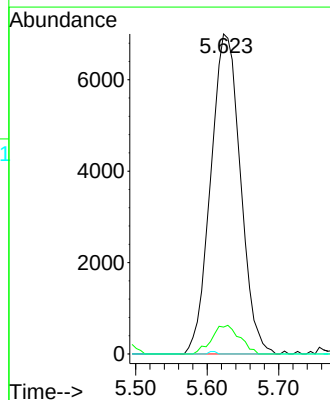
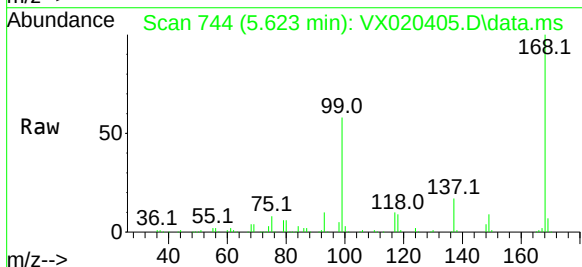
Tgt Ion: 75 Resp: 20186

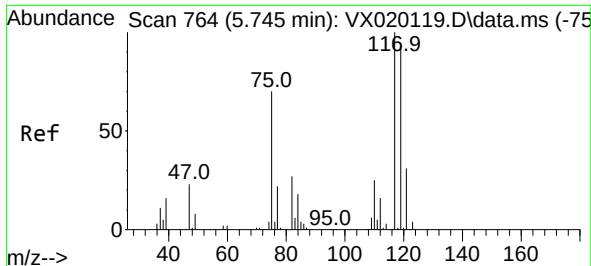
Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.4#

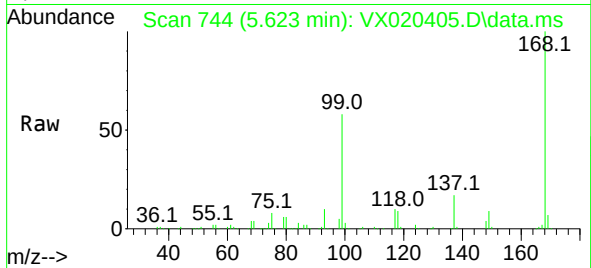
77 0.0 25.3 37.9#



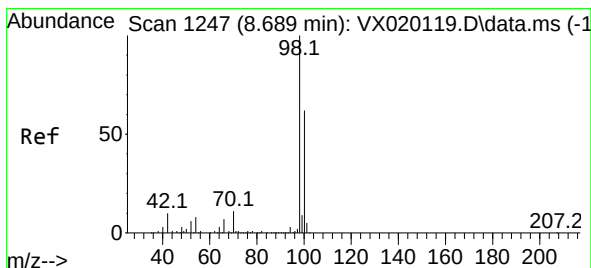
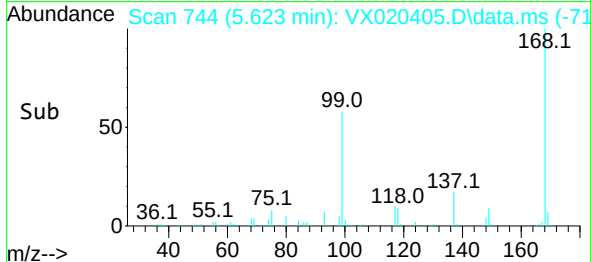
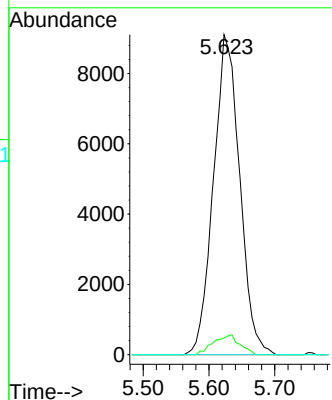


#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

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

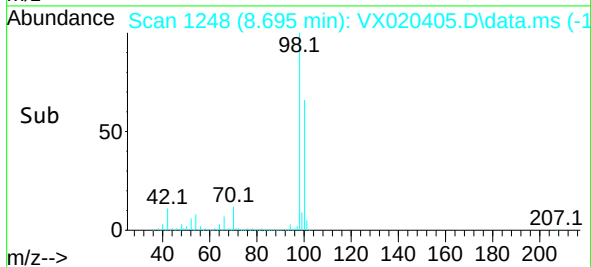
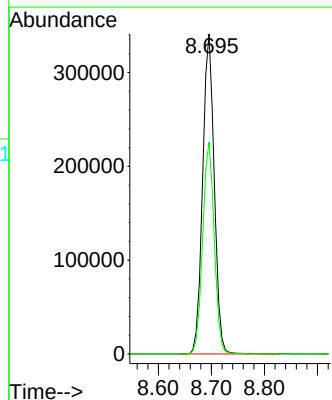
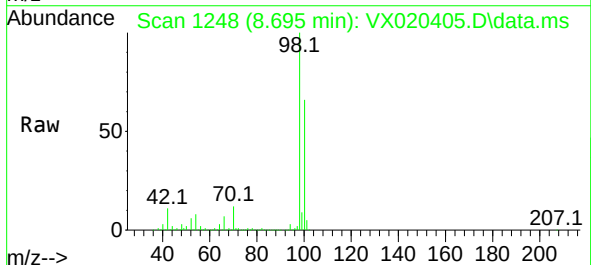


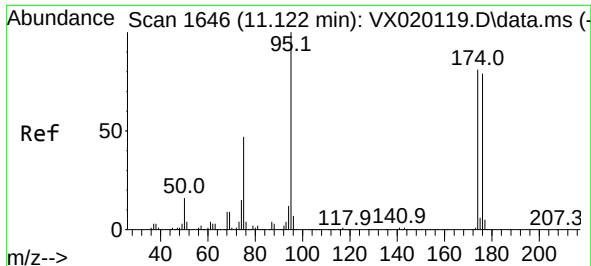
Tgt Ion:117 Resp: 25239
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.69 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

Tgt Ion: 98 Resp: 517940
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

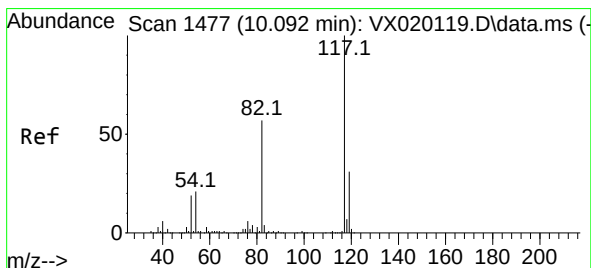
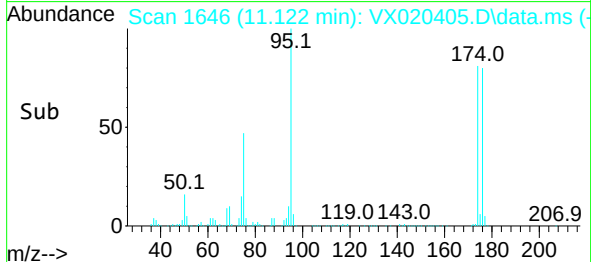
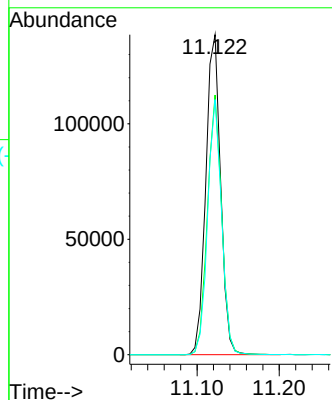
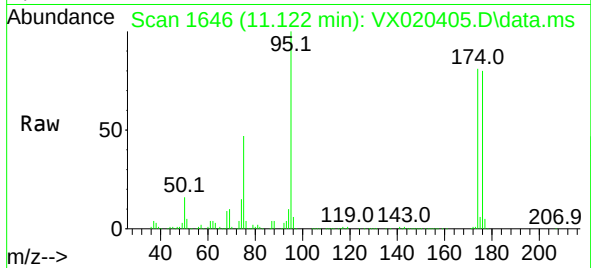




#62
4-Bromofluorobenzene
Concen: 43.46 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

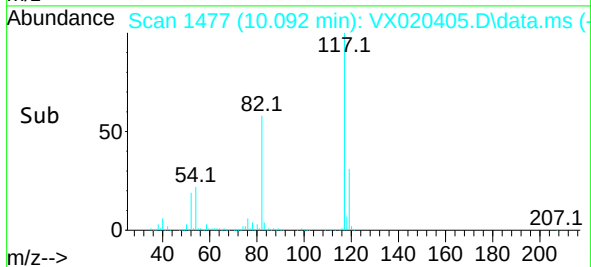
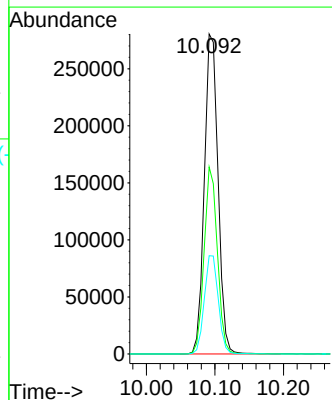
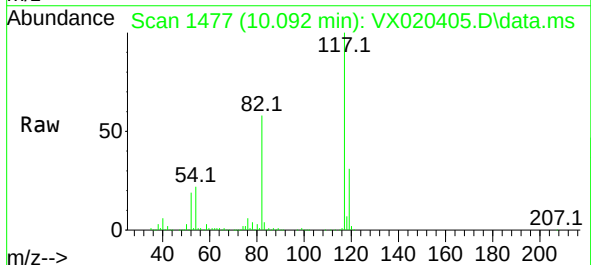
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

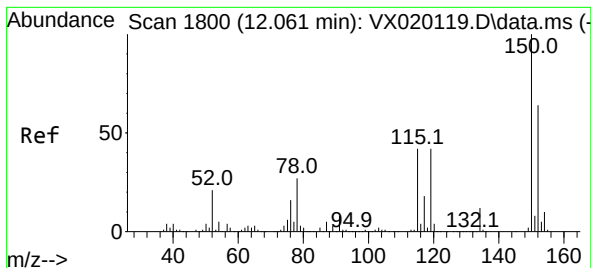
Tgt Ion: 95 Resp: 173350
Ion Ratio Lower Upper
95 100
174 77.9 0.0 154.6
176 75.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.001 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

Tgt Ion: 117 Resp: 390881
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 30.7 26.6 39.8

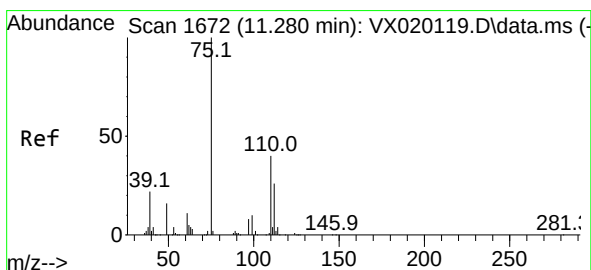
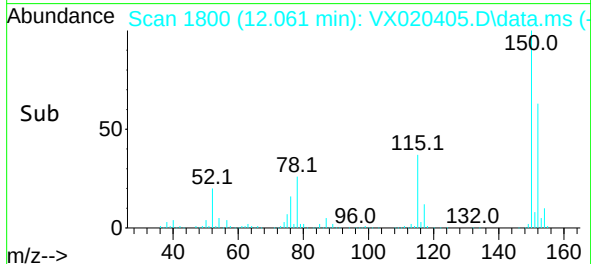
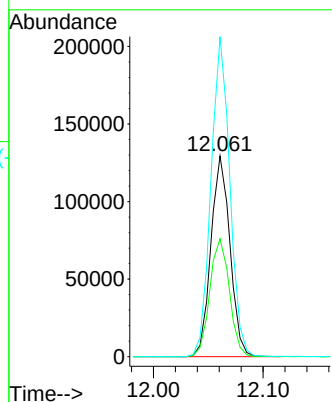
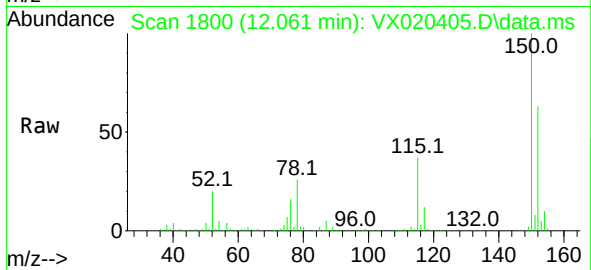




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020405.D
 Acq: 28 Dec 2020 12:02

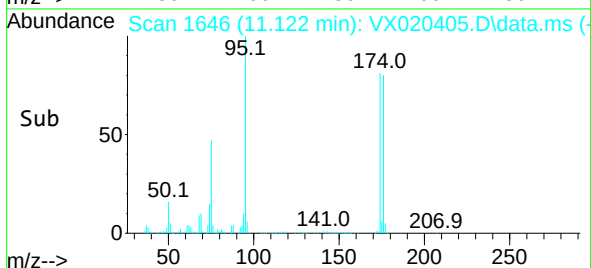
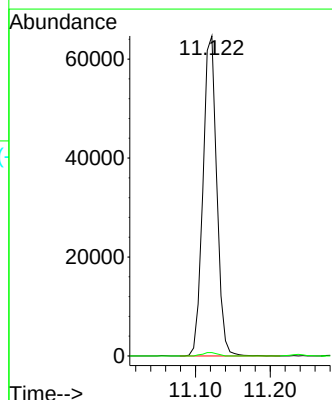
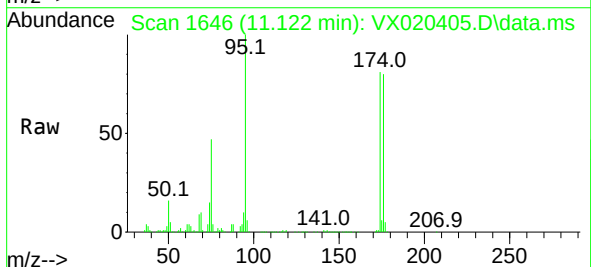
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

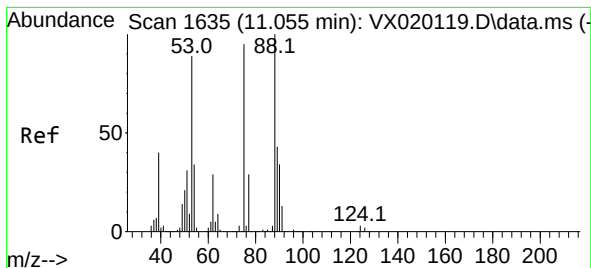
Tgt Ion:152 Resp: 156392
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.1 123.3
 150 157.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.50 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020405.D
 Acq: 28 Dec 2020 12:02

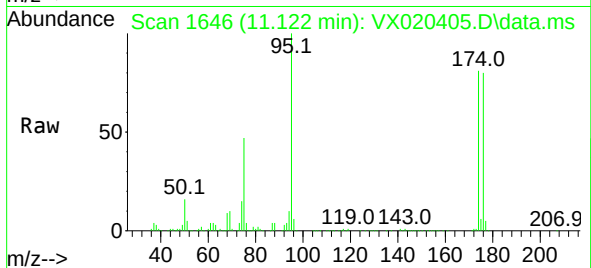
Tgt Ion: 75 Resp: 82841
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



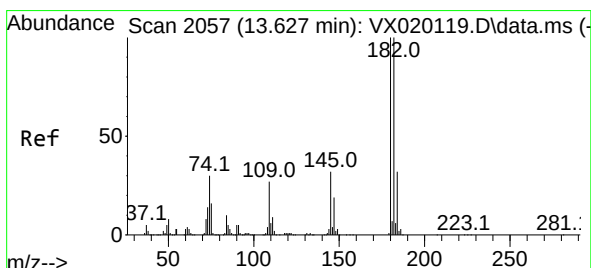
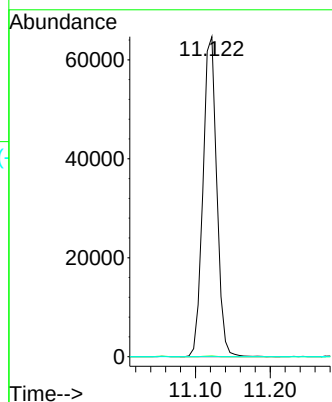
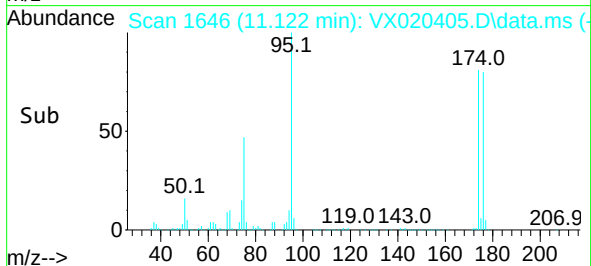


#81
trans-1,4-Dichloro-2-butene
Concen: 63.80 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02

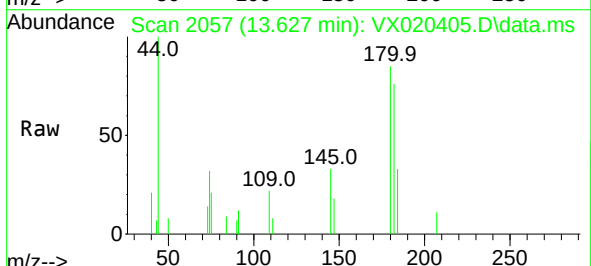
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6



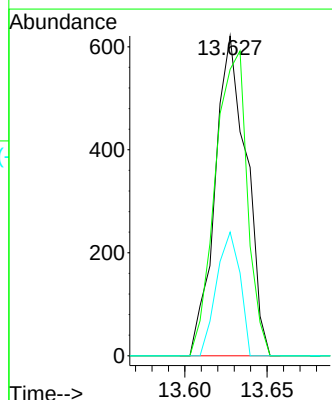
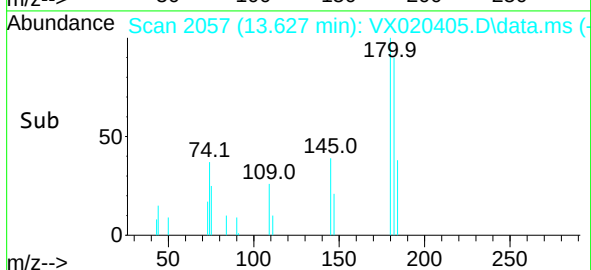
Tgt Ion: 75 Resp: 82841
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

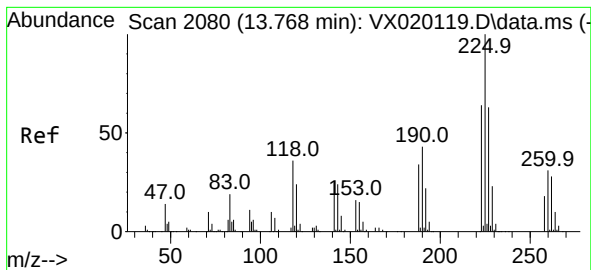


#93
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 13.627 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VX020405.D
Acq: 28 Dec 2020 12:02



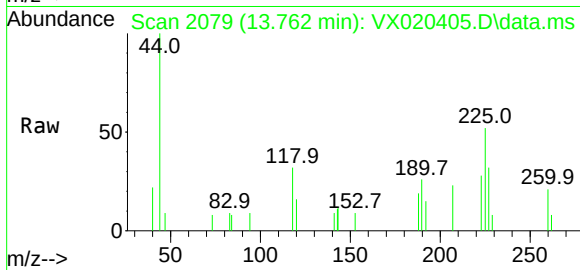
Tgt Ion: 180 Resp: 827
Ion Ratio Lower Upper
180 100
182 96.5 47.7 143.1
145 28.8 15.0 45.0





#94
 Hexachlorobutadiene
 Concen: 2.91 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020405.D
 Acq: 28 Dec 2020 12:02

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



Tgt Ion:225 Resp: 410

Ion	Ratio	Lower	Upper
225	100		
223	57.6	31.1	93.2
227	63.9	31.6	95.0

