

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080521\
 Data File : VX023550.D
 Acq On : 04 Aug 2021 19:10
 Operator : JC/MD
 Sample : M3251-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 05 06:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	167620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	285403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94737	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111524	53.337	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.680%	
35) Dibromofluoromethane	5.398	113	90702	50.829	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.660%	
50) Toluene-d8	8.653	98	337546	51.485	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	11.086	95	105685	47.406	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.820%	

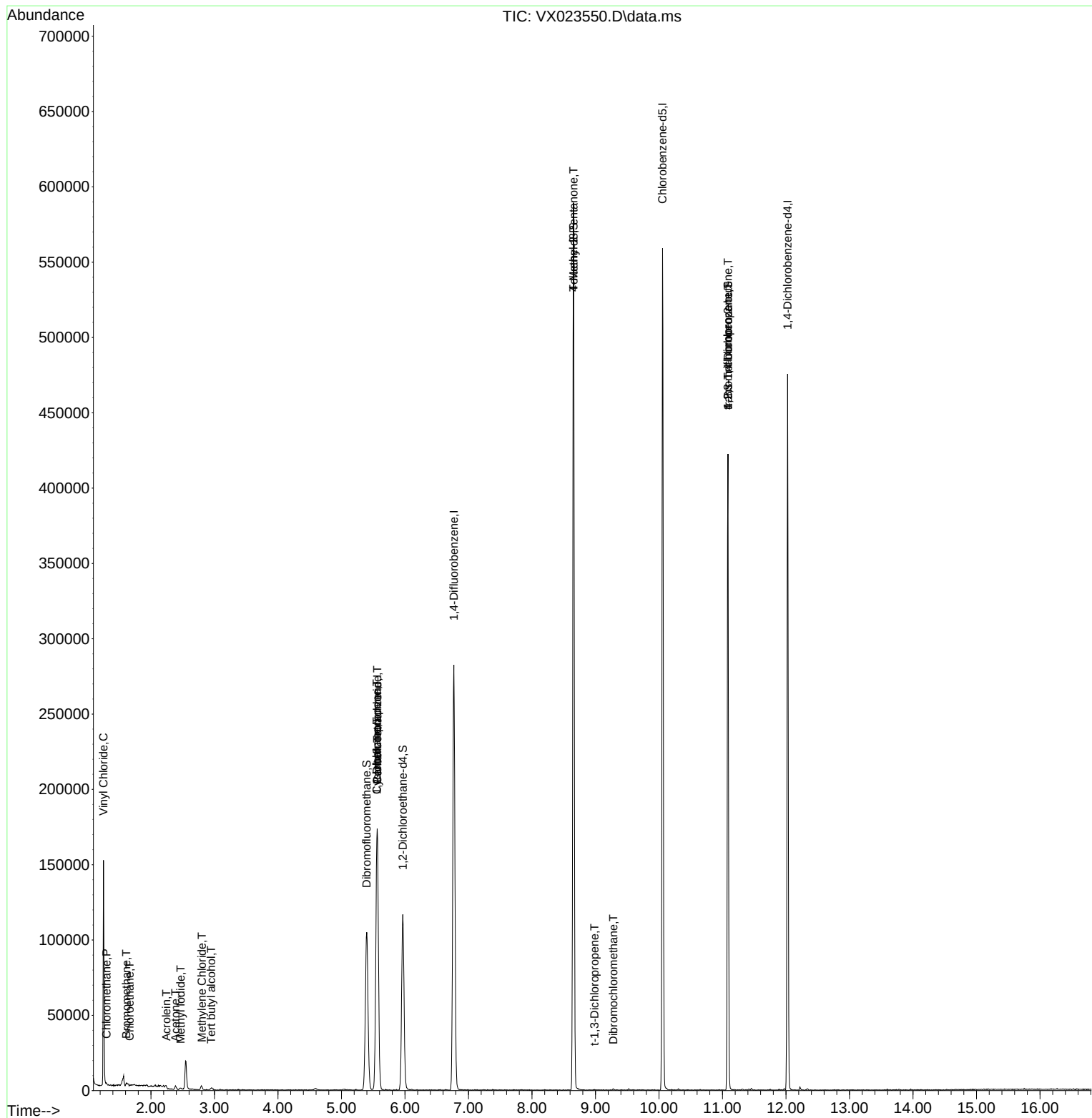
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	586	0.326	ug/l	91
4) Vinyl Chloride	1.252	62	1077	0.592	ug/l #	1
5) Bromomethane	1.612	94	901	0.835	ug/l	82
6) Chloroethane	1.666	64	346	0.310	ug/l #	43
10) Methyl Iodide	2.465	142	1413	0.679	ug/l	95
11) Tert butyl alcohol	2.947	59	1001	2.096	ug/l #	73
13) Acrolein	2.240	56	101	1.777	ug/l #	39
16) Acetone	2.386	43	2633	2.567	ug/l #	87
20) Methylene Chloride	2.800	84	1240	0.622	ug/l #	91
31) Cyclohexane	5.556	56	3967	1.281	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	13100	5.074	ug/l #	48
38) Carbon Tetrachloride	5.562	117	16501	6.285	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1699	0.551	ug/l #	1
53) t-1,3-Dichloropropene	8.982	75	88	1.844	ug/l #	44
60) Dibromochloromethane	9.281	129	90	2.024	ug/l #	11
76) 1,2,3-Trichloropropane	11.086	75	55504	26.624	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.086	75	55504	71.588	ug/l #	12

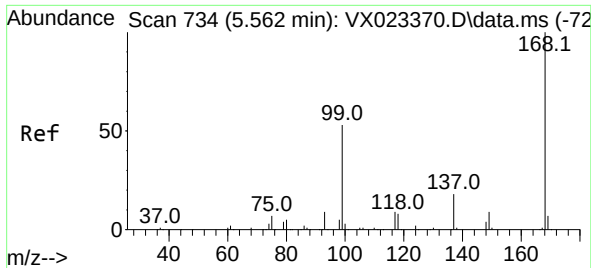
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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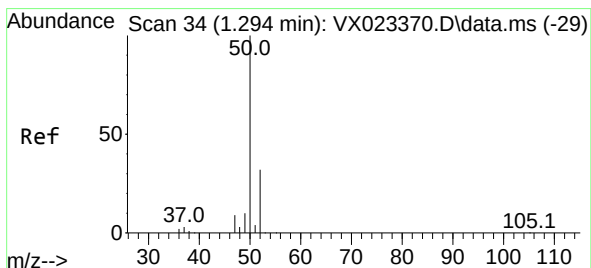
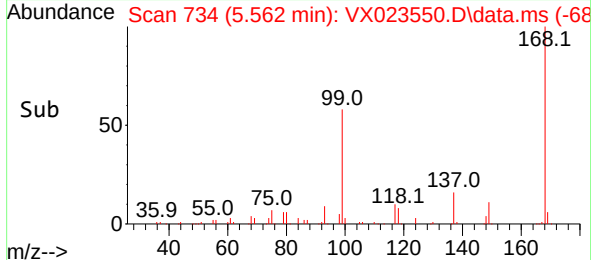
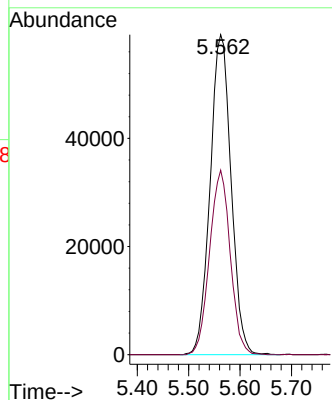
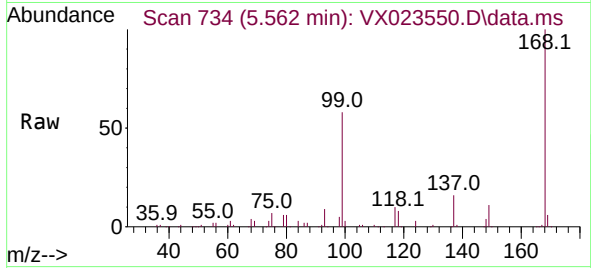




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

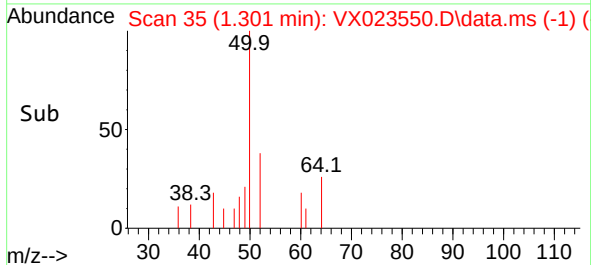
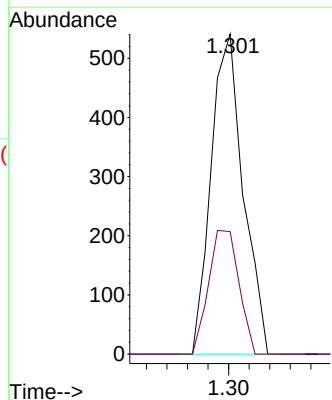
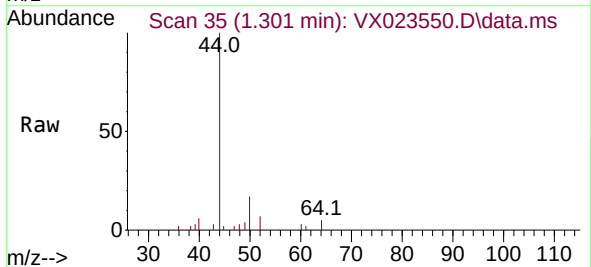
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MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

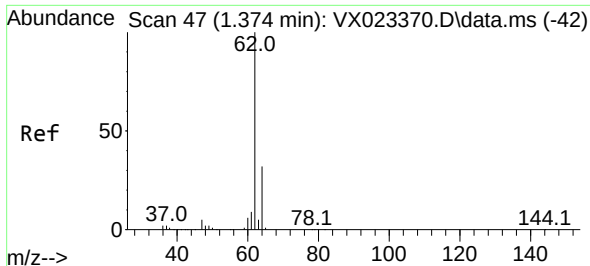
Tgt Ion:168 Resp: 167620
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.6



#3
Chloromethane
Concen: 0.326 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion: 50 Resp: 586
Ion Ratio Lower Upper
50 100
52 38.3 26.4 39.6

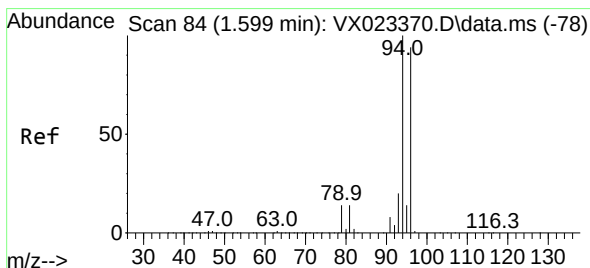
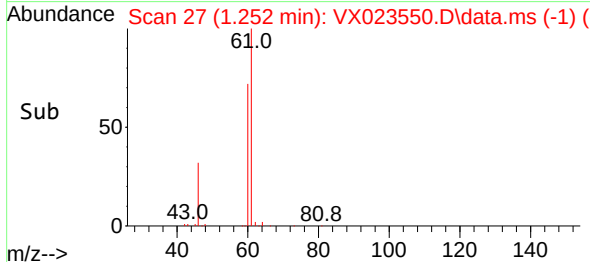
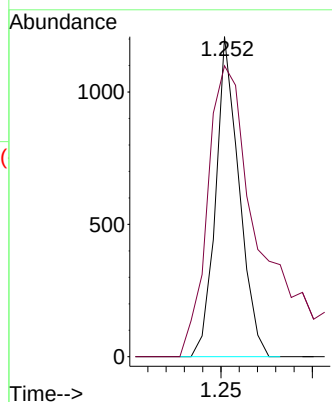
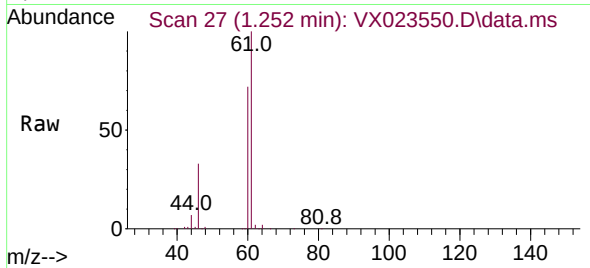




#4
 Vinyl Chloride
 Concen: 0.592 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023550.D
 Acq: 04 Aug 2021 19:10

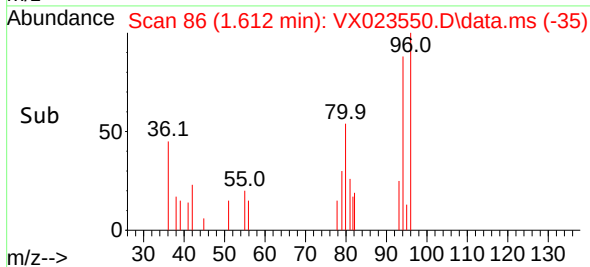
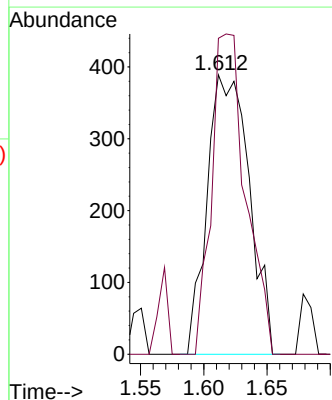
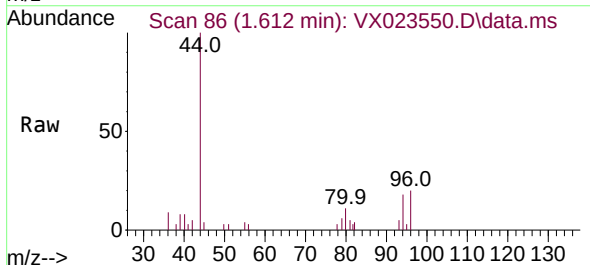
Instrument :
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 ClientSampleId :
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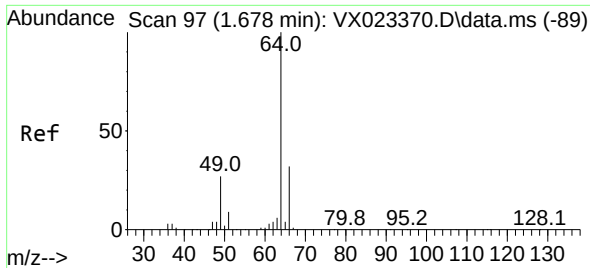
Tgt Ion: 62 Resp: 1077
 Ion Ratio Lower Upper
 62 100
 64 90.9 25.7 38.5#



#5
 Bromomethane
 Concen: 0.835 ug/l
 RT: 1.612 min Scan# 86
 Delta R.T. 0.013 min
 Lab File: VX023550.D
 Acq: 04 Aug 2021 19:10

Tgt Ion: 94 Resp: 901
 Ion Ratio Lower Upper
 94 100
 96 113.1 76.4 114.6

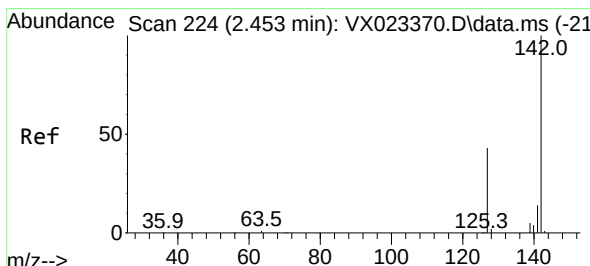
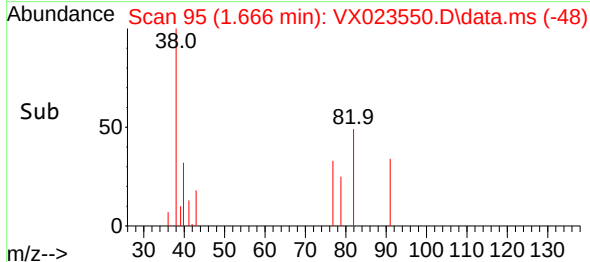
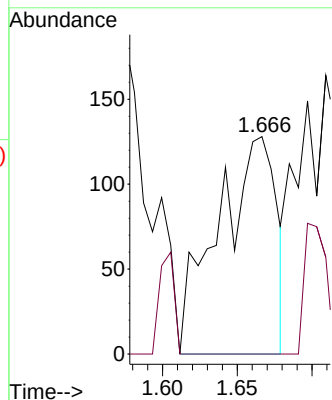
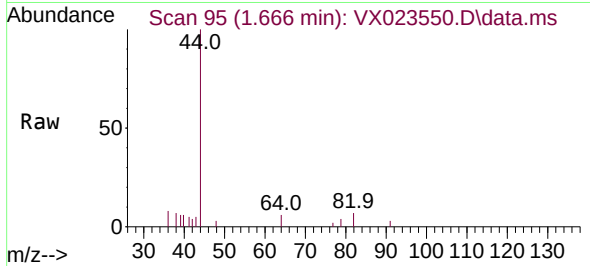




#6
Chloroethane
Concen: 0.310 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

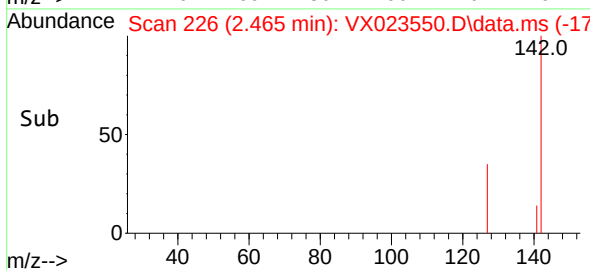
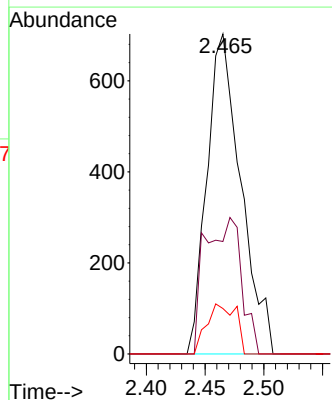
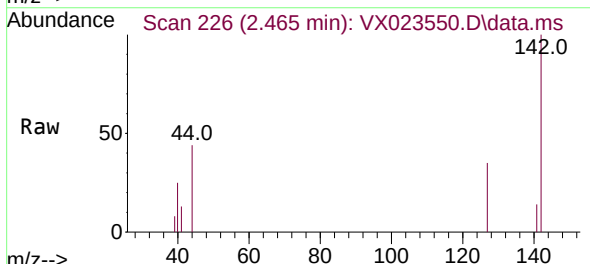
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

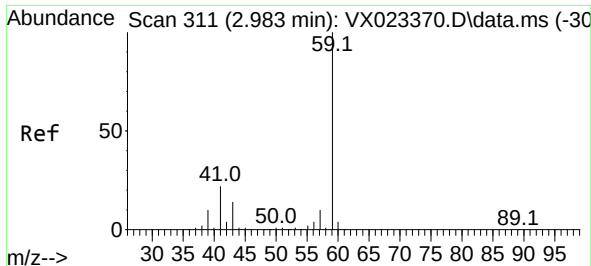
Tgt Ion: 64 Resp: 346
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.679 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion: 142 Resp: 1413
Ion Ratio Lower Upper
142 100
127 45.5 33.3 49.9
141 13.4 11.4 17.0



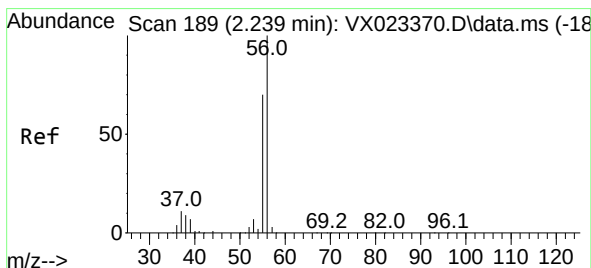
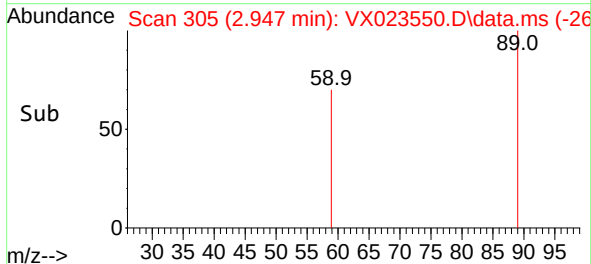
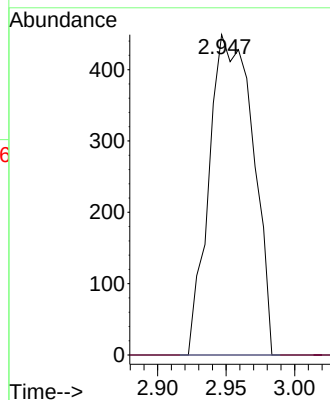
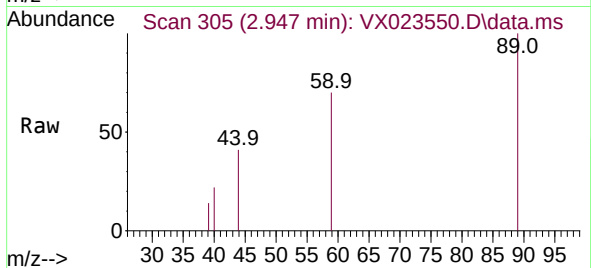


#11

Tert butyl alcohol
Concen: 2.096 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

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

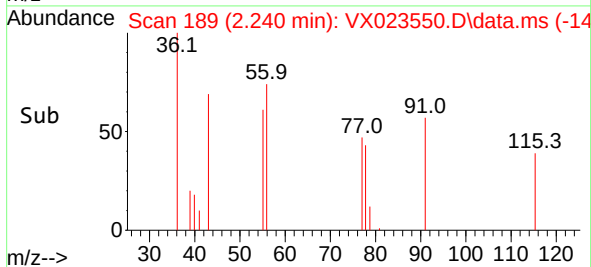
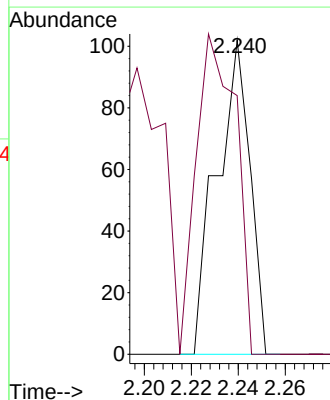
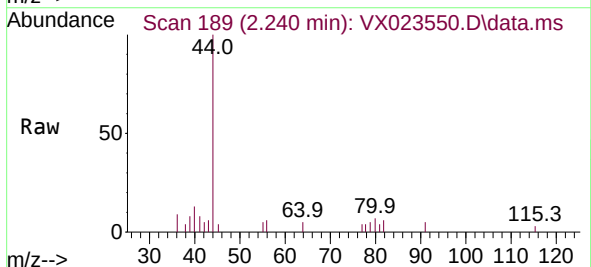
Tgt Ion: 59 Resp: 1001
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

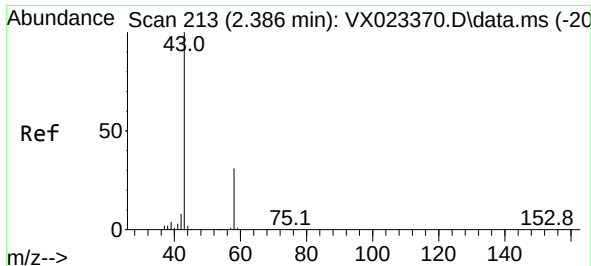


#13

Acrolein
Concen: 1.777 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.001 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 120.8 56.4 84.6#

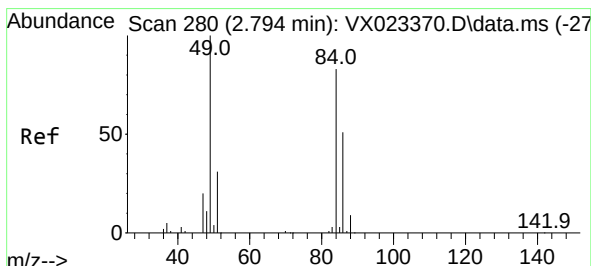
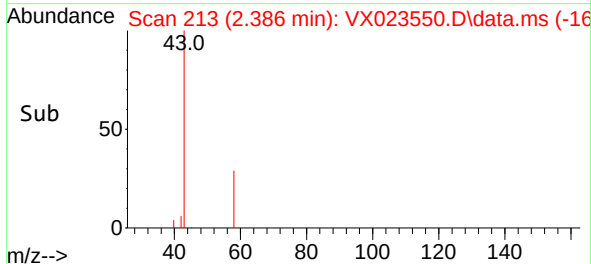
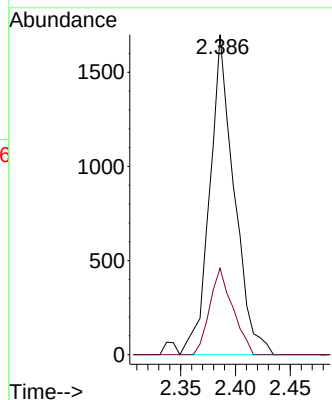
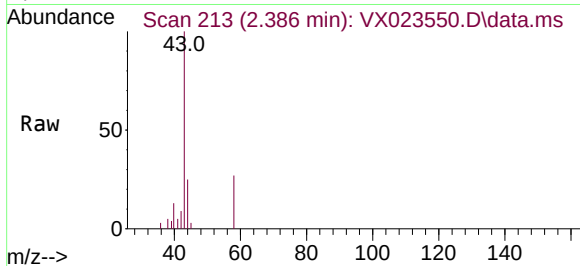




#16
Acetone
Concen: 2.567 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

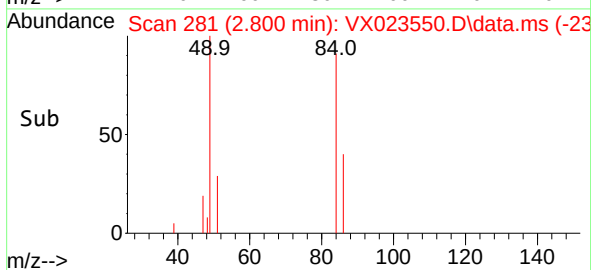
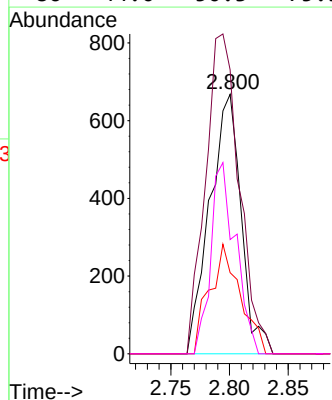
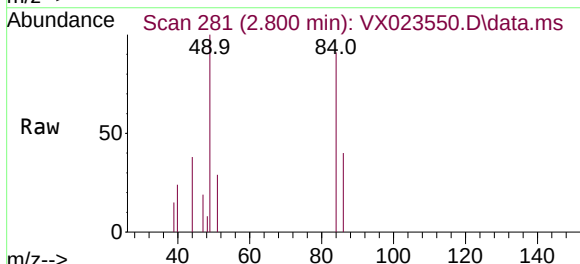
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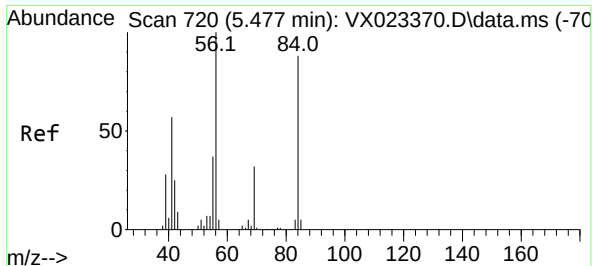
Tgt Ion: 43 Resp: 2633
Ion Ratio Lower Upper
43 100
58 27.0 27.8 41.8#



#20
Methylene Chloride
Concen: 0.622 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion: 84 Resp: 1240
Ion Ratio Lower Upper
84 100
49 109.4 88.6 132.8
51 31.3 27.0 40.6
86 44.0 50.3 75.5#

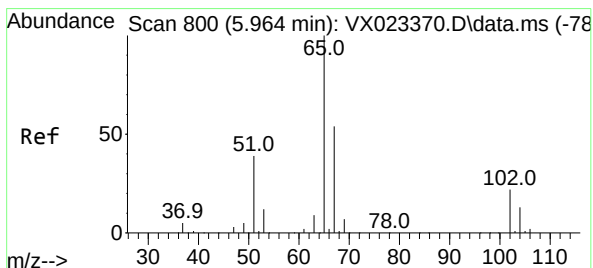
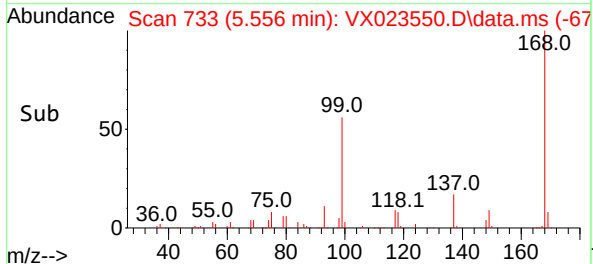
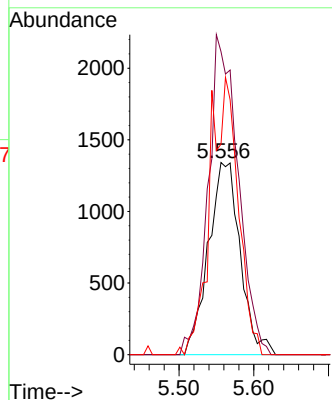
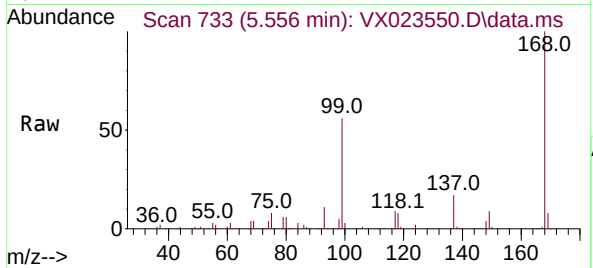




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

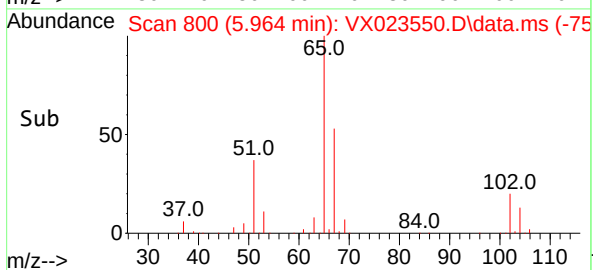
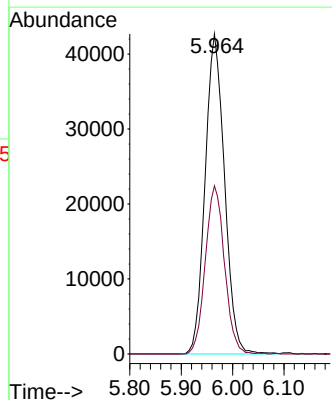
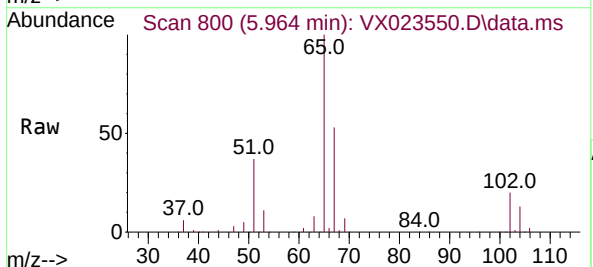
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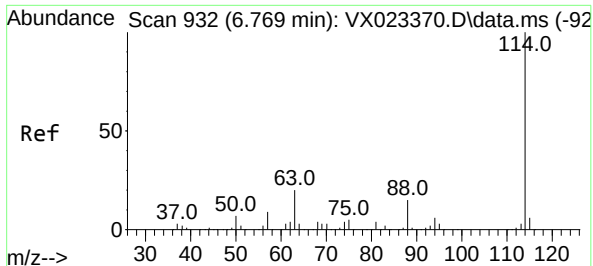
Tgt Ion: 56 Resp: 3967
Ion Ratio Lower Upper
56 100
69 157.7 25.3 37.9#
84 109.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.337 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion: 65 Resp: 111524
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

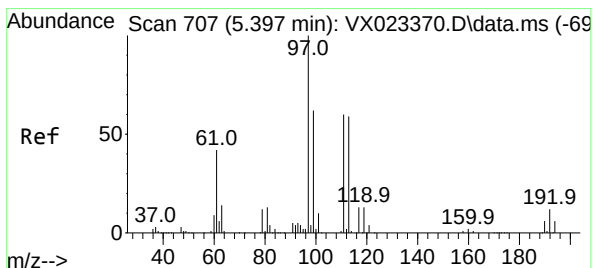
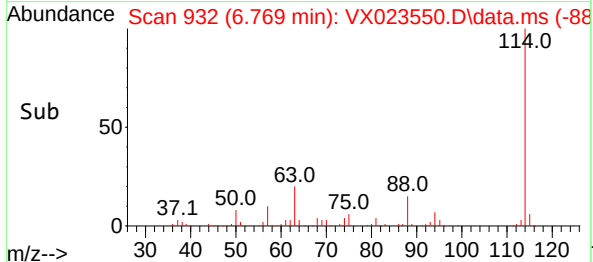
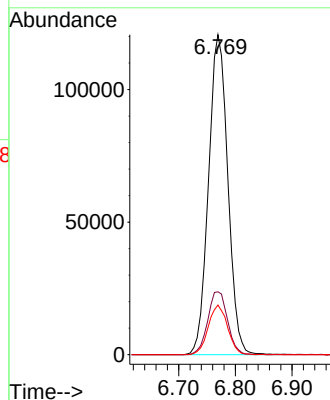
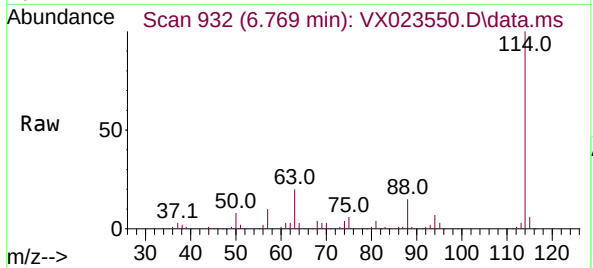




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

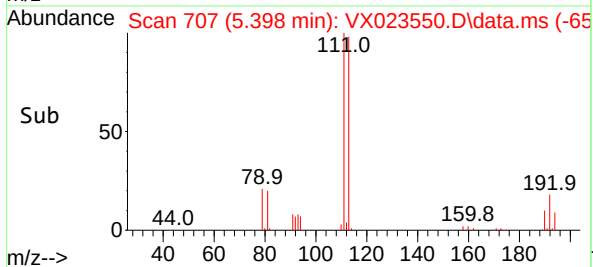
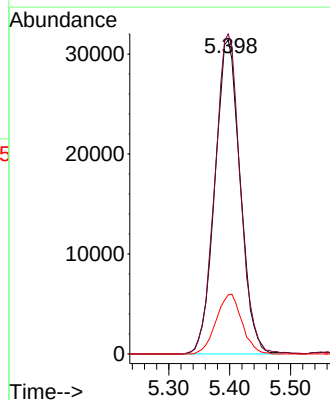
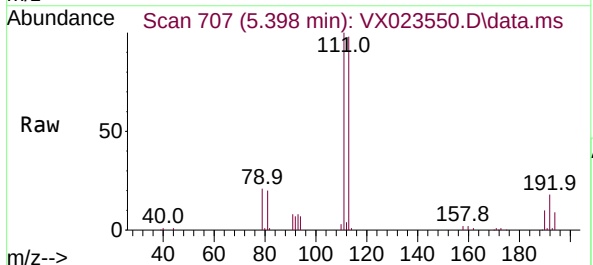
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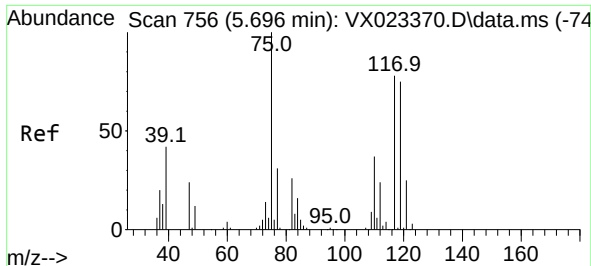
Tgt Ion:	114	Resp:	285403
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	40.8
88	15.5	0.0	32.8



#35
Dibromofluoromethane
Concen: 50.829 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.001 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion:	113	Resp:	90702
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.9	122.9
192	19.3	16.7	25.1

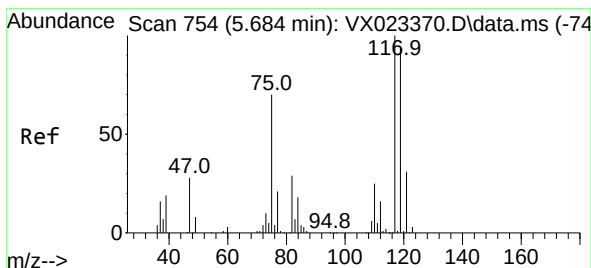
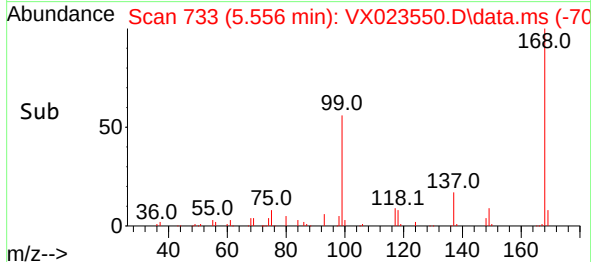
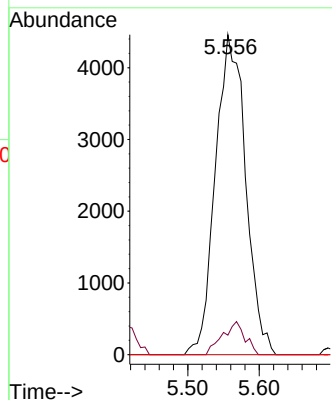
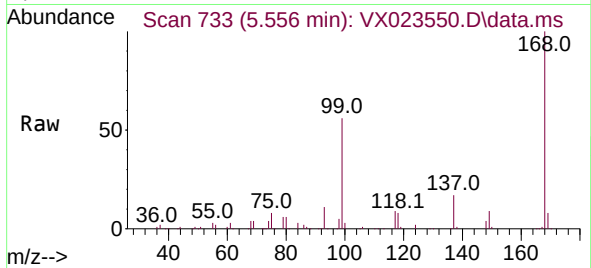




#36
1,1-Dichloropropene
Concen: 5.074 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

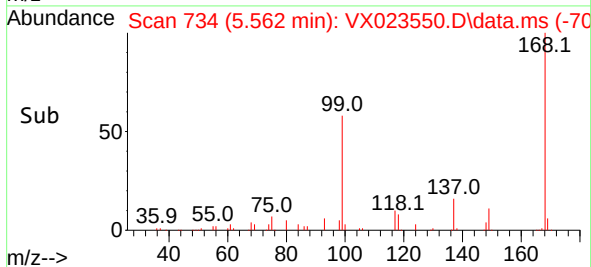
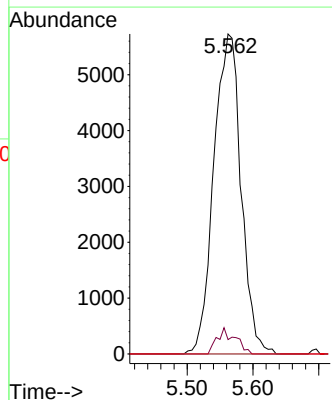
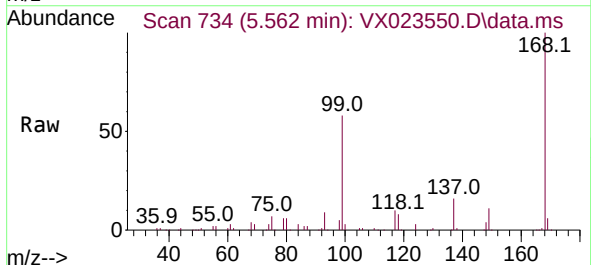
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

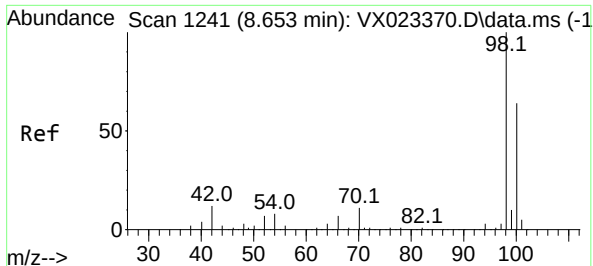
Tgt Ion: 75 Resp: 13100
Ion Ratio Lower Upper
75 100
110 7.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion: 117 Resp: 16501
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

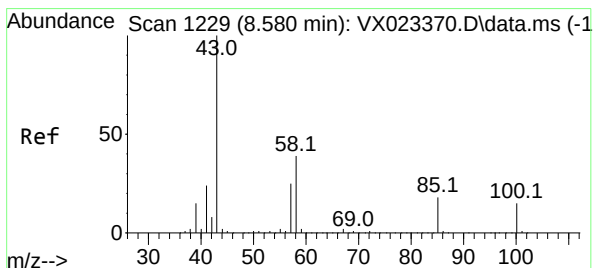
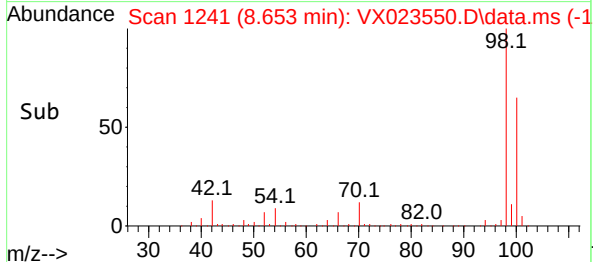
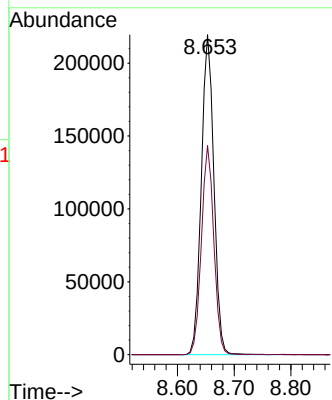
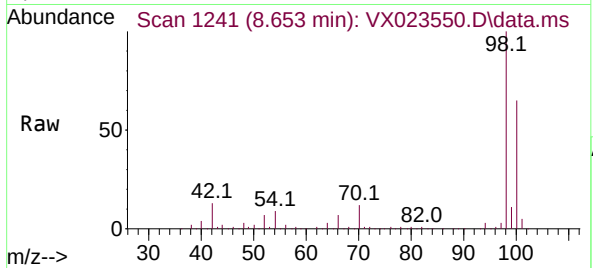




#50
Toluene-d8
Concen: 51.485 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

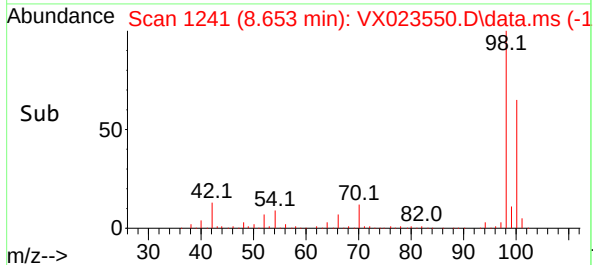
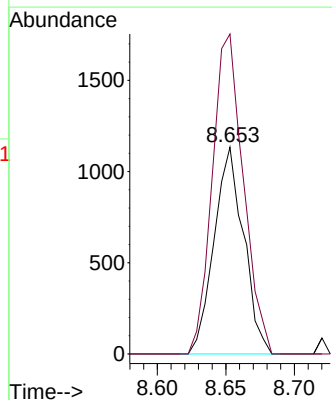
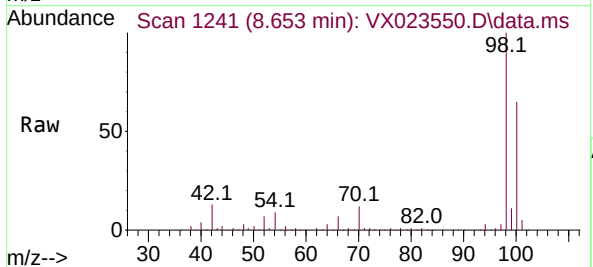
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

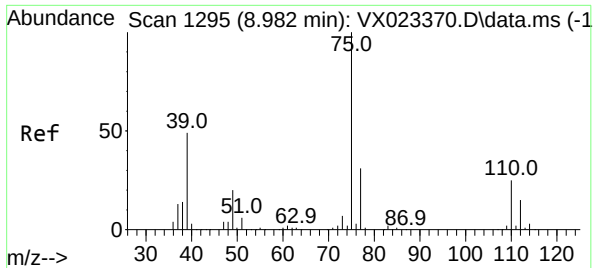
Tgt Ion: 98 Resp: 337546
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.551 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 162.8 35.4 53.0#

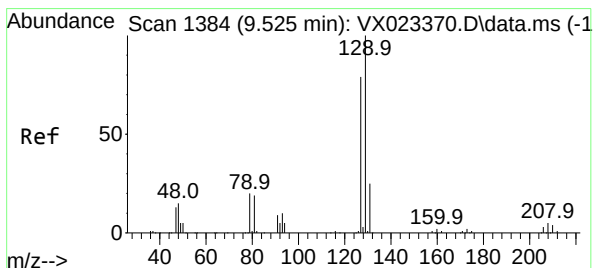
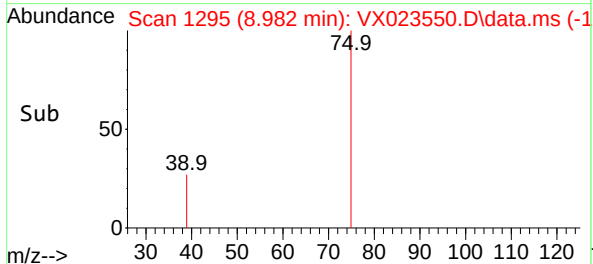
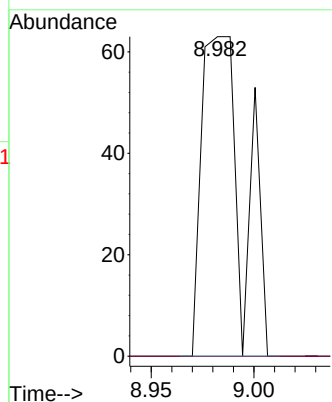
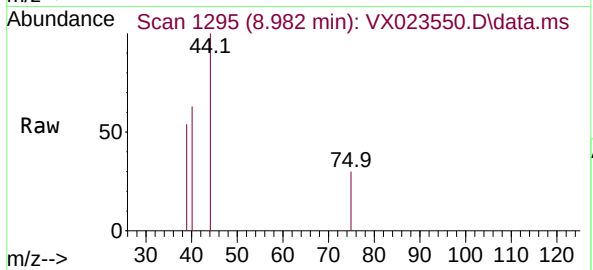




#53
t-1,3-Dichloropropene
Concen: 1.844 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

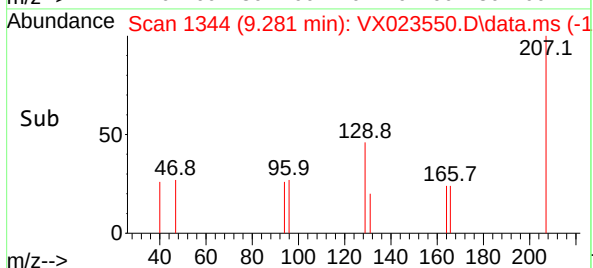
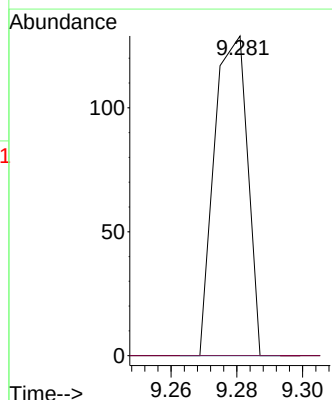
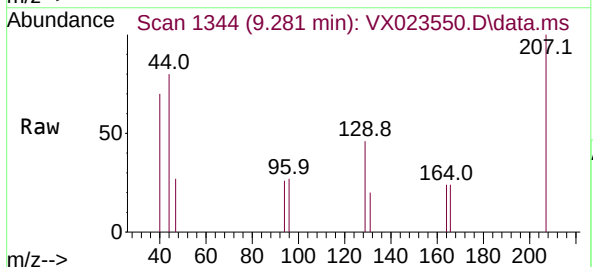
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

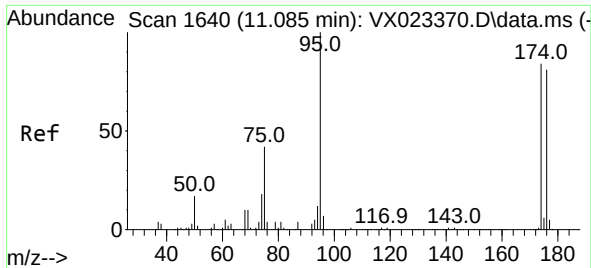
Tgt Ion: 75 Resp: 88
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#60
Dibromochloromethane
Concen: 2.024 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion:129 Resp: 90
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

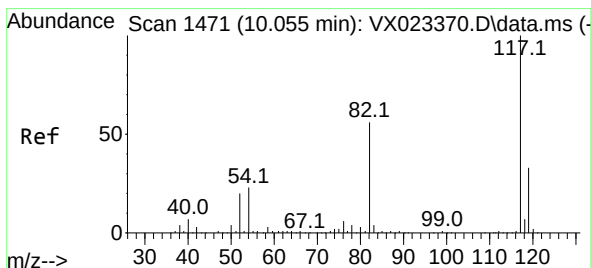
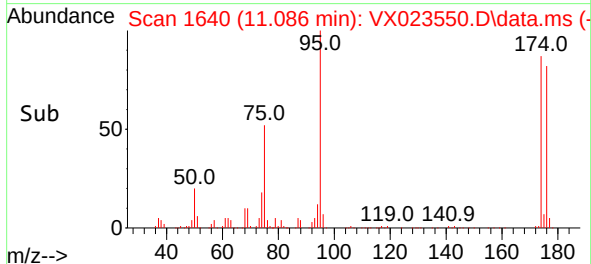
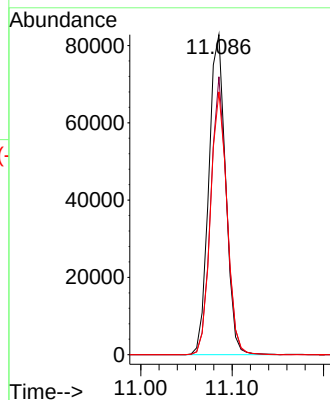
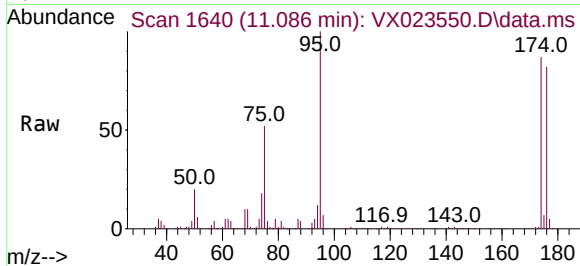




#62
4-Bromofluorobenzene
Concen: 47.406 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

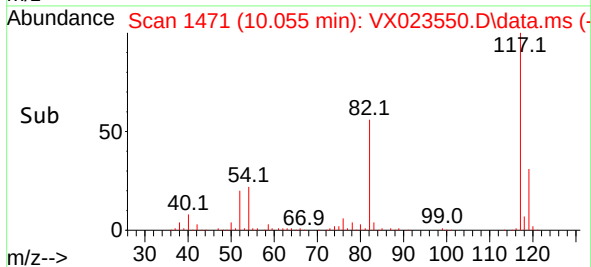
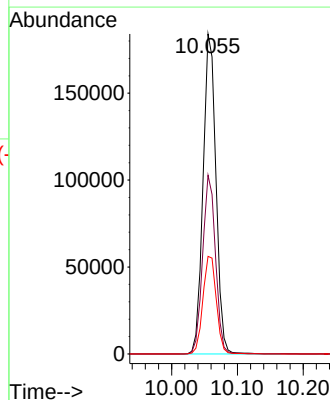
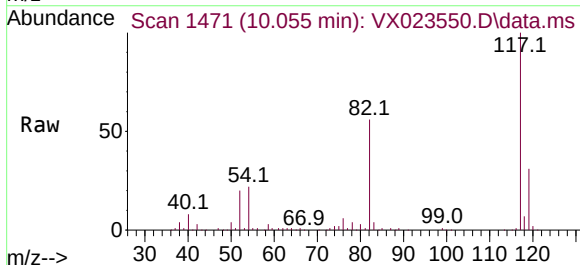
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

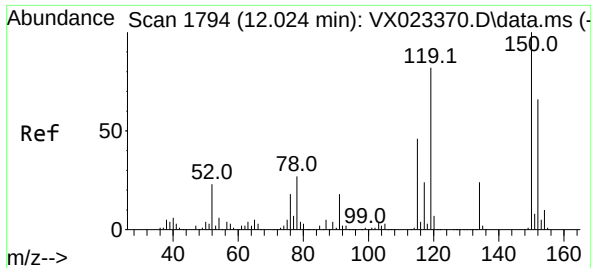
Tgt Ion: 95 Resp: 105685
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 80.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023550.D
Acq: 04 Aug 2021 19:10

Tgt Ion: 117 Resp: 250719
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 30.5 26.6 39.8

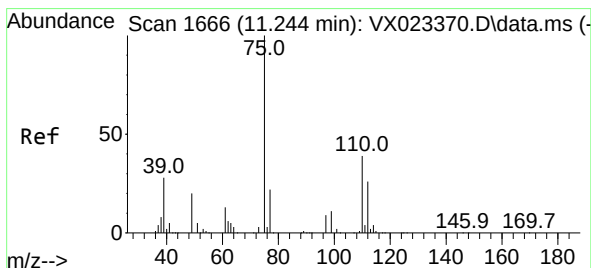
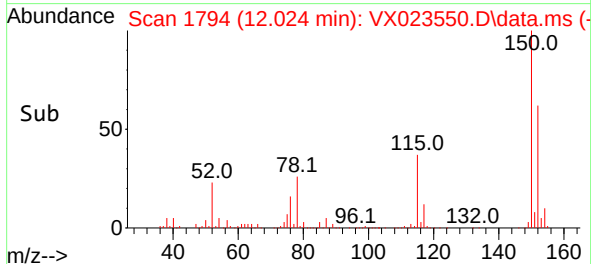
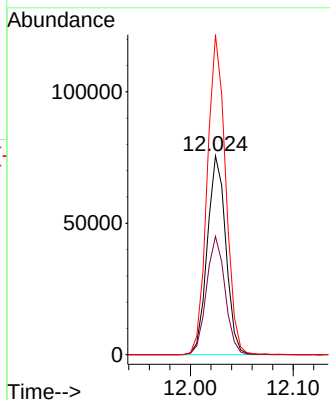
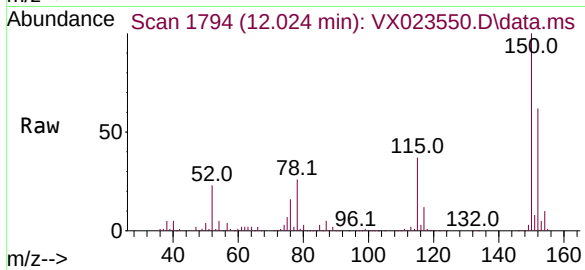




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023550.D
 Acq: 04 Aug 2021 19:10

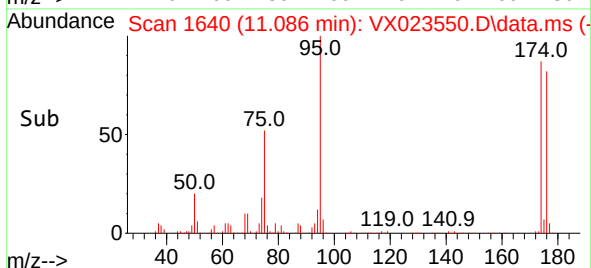
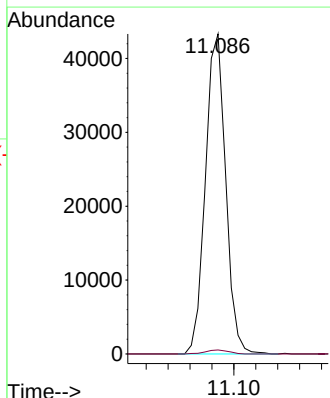
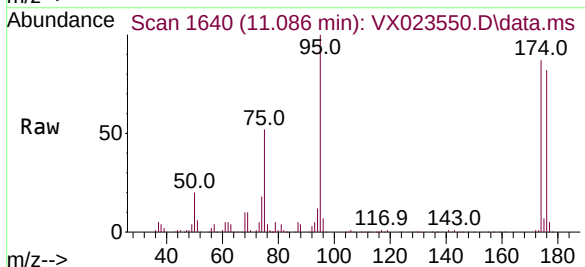
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

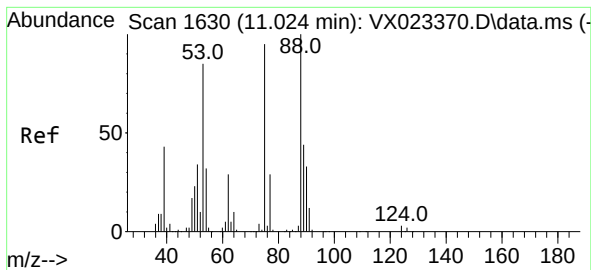
Tgt Ion:152 Resp: 94737
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 159.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.624 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX023550.D
 Acq: 04 Aug 2021 19:10

Tgt Ion: 75 Resp: 55504
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.588 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. 0.062 min
 Lab File: VX023550.D
 Acq: 04 Aug 2021 19:10

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

Tgt Ion: 75 Resp: 55504
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

