

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023905.D
 Acq On : 23 Aug 2021 18:03
 Operator : JC/MD
 Sample : M3511-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 24 07:16:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

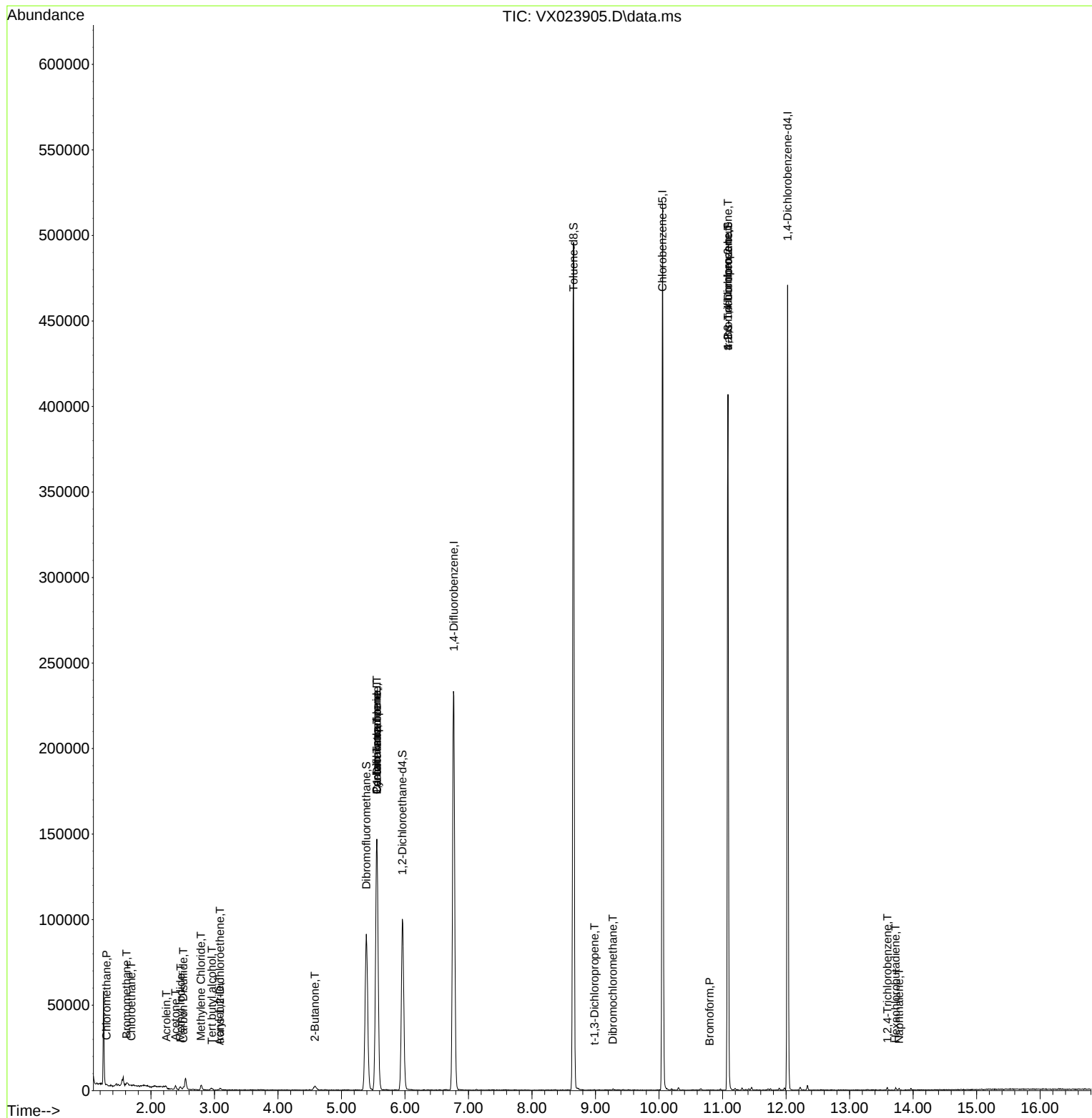
Internal Standards						
1) Pentafluorobenzene	5.556	168	137591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98086	51.078	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.160%
35) Dibromofluoromethane	5.391	113	77647	49.748	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.500%
50) Toluene-d8	8.653	98	287702	48.430	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.860%
62) 4-Bromofluorobenzene	11.085	95	102666	46.946	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.900%
Target Compounds						Qvalue
3) Chloromethane	1.301	50	740	0.464	ug/l #	86
5) Bromomethane	1.618	94	1226	1.255	ug/l #	67
6) Chloroethane	1.691	64	41	2.248	ug/l #	43
10) Methyl Iodide	2.465	142	2196	1.142	ug/l	95
11) Tert butyl alcohol	2.959	59	727	1.872	ug/l #	73
13) Acrolein	2.239	56	170	0.736	ug/l #	80
15) Acrylonitrile	3.081	53	353	0.408	ug/l #	69
16) Acetone	2.386	43	2406	2.802	ug/l #	84
17) Carbon Disulfide	2.508	76	1794	0.570	ug/l #	78
20) Methylene Chloride	2.788	84	1238	0.755	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	351	0.249	ug/l #	77
25) 2-Butanone	4.580	43	455	0.350	ug/l #	45
31) Cyclohexane	5.556	56	3286	1.332	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10905	4.993	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13783	6.052	ug/l #	17
53) t-1,3-Dichloropropene	8.982	75	169	2.195	ug/l	92
60) Dibromochloromethane	9.275	129	73	1.725	ug/l #	11
71) Bromoform	10.799	173	20	1.946	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	54104	25.414	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54104	74.756	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.597	180	539	0.298	ug/l	87
94) Hexachlorobutadiene	13.725	225	249	0.309	ug/l	97
95) Naphthalene	13.780	128	970	1.424	ug/l #	82

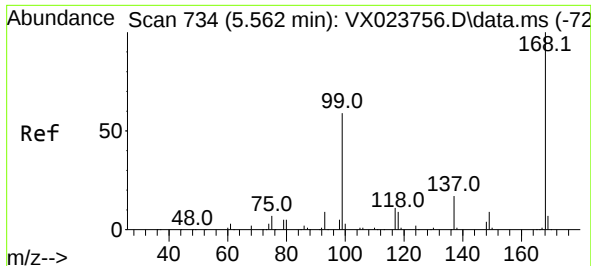
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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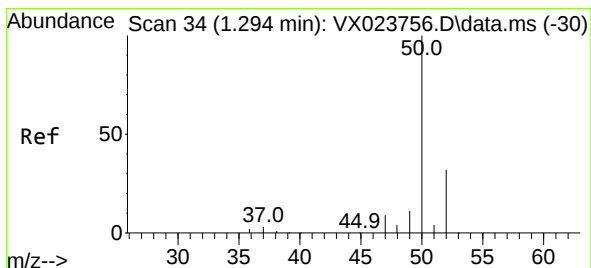
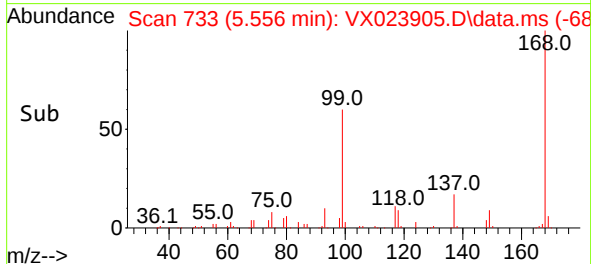
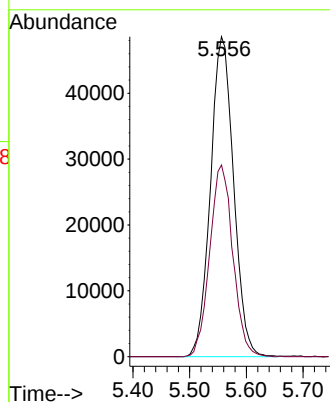
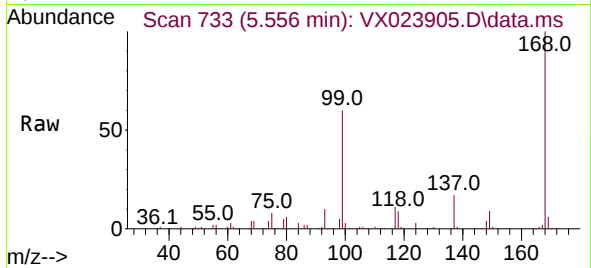




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

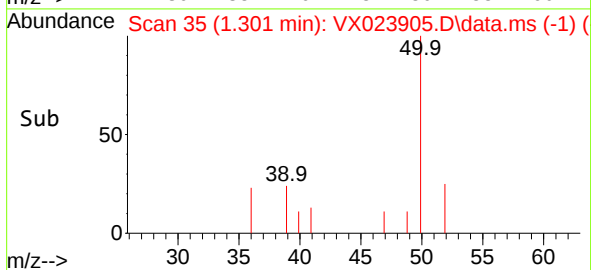
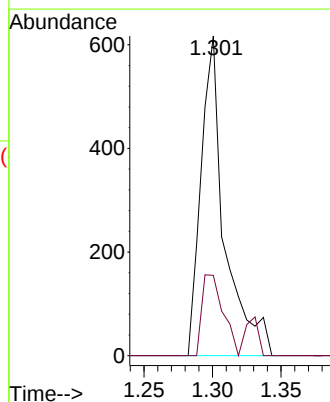
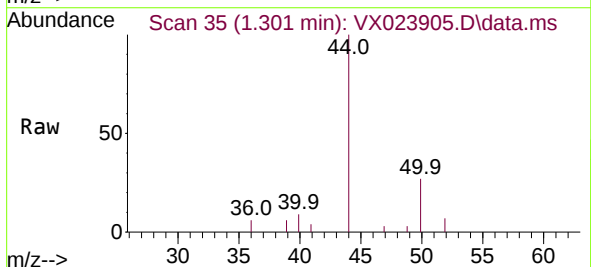
Instrument :
MSVOA_X
ClientSampleId :
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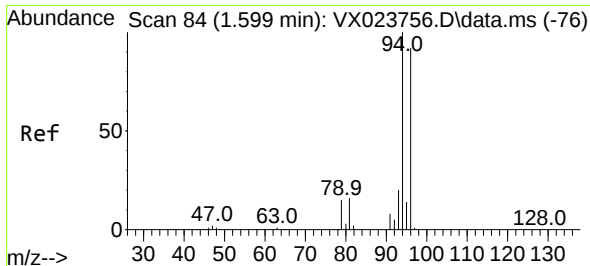
Tgt Ion:168 Resp: 137591
Ion Ratio Lower Upper
168 100
99 59.9 45.8 68.6



#3
Chloromethane
Concen: 0.464 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 50 Resp: 740
Ion Ratio Lower Upper
50 100
52 25.1 26.4 39.6#

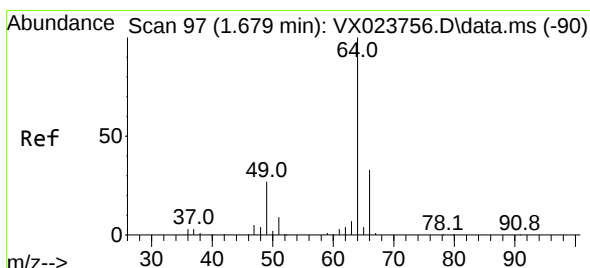
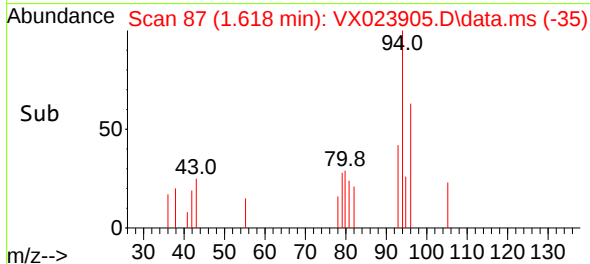
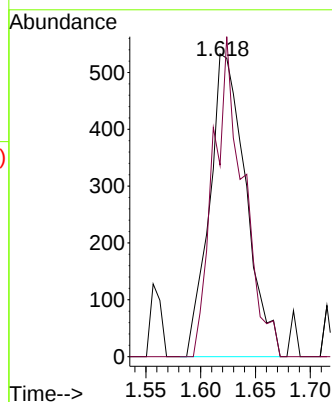
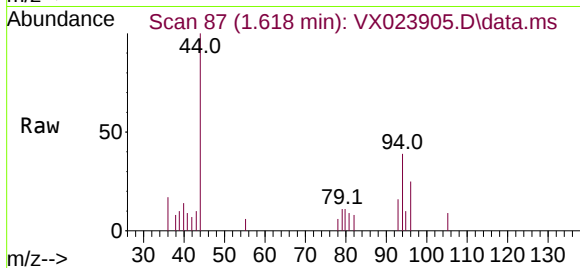




#5
Bromomethane
Concen: 1.255 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

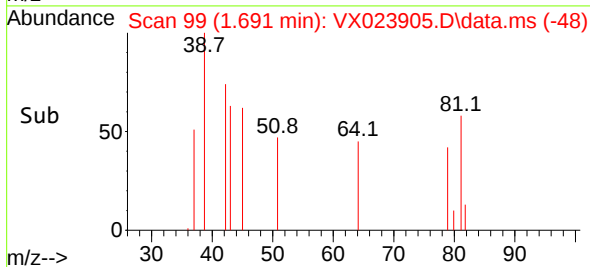
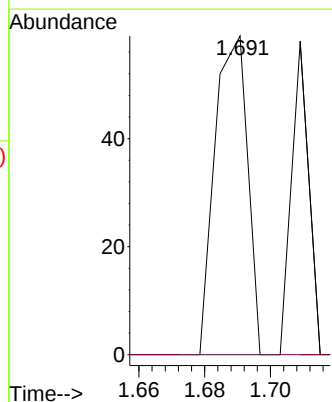
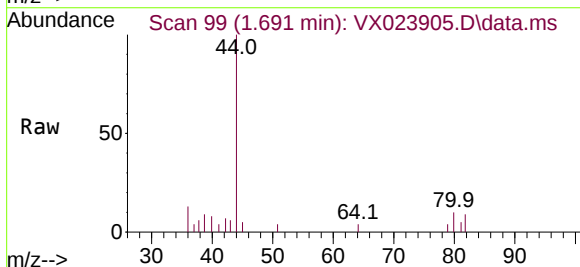
Instrument :
MSVOA_X
ClientSampleId :
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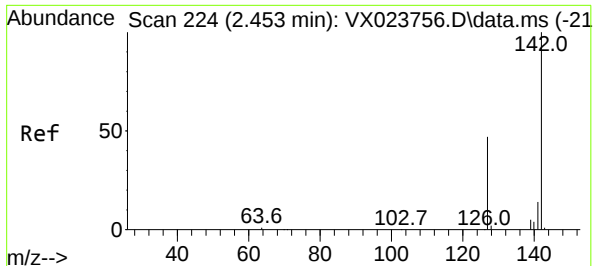
Tgt Ion: 94 Resp: 1226
Ion Ratio Lower Upper
94 100
96 63.2 76.4 114.6#



#6
Chloroethane
Concen: 2.248 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

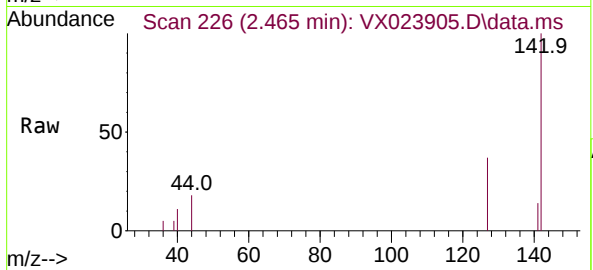
Tgt Ion: 64 Resp: 41
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



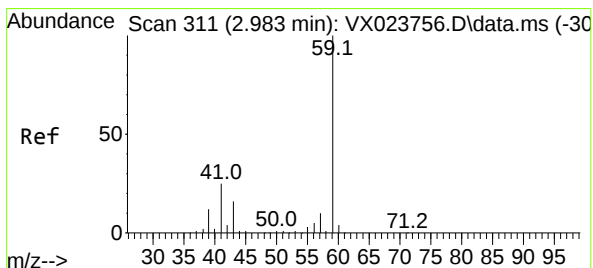
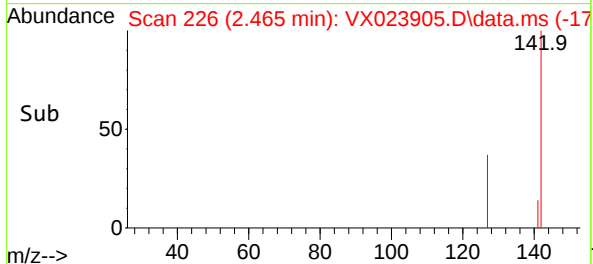
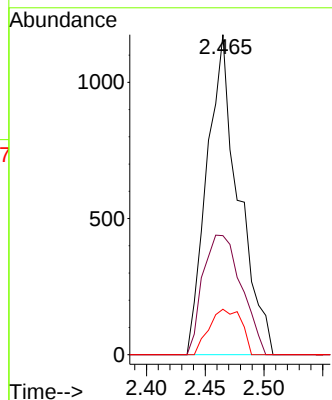


#10
Methyl Iodide
Concen: 1.142 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

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

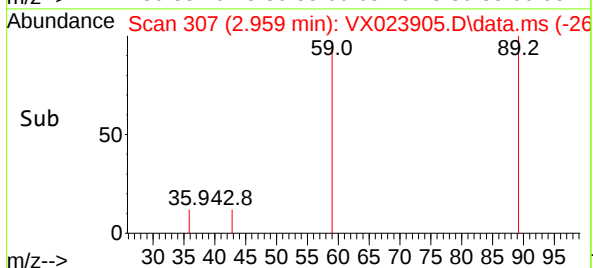
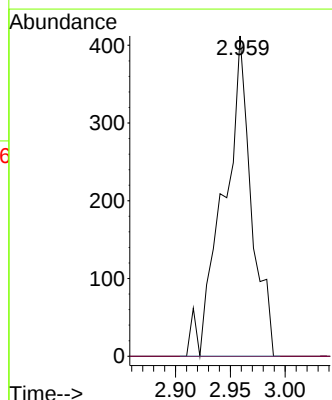
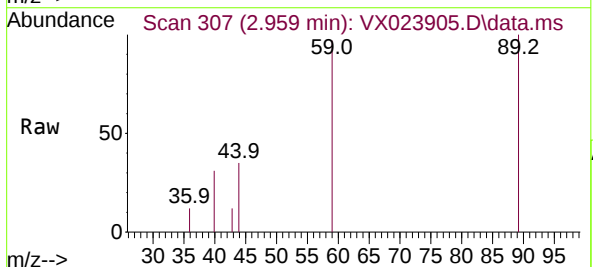


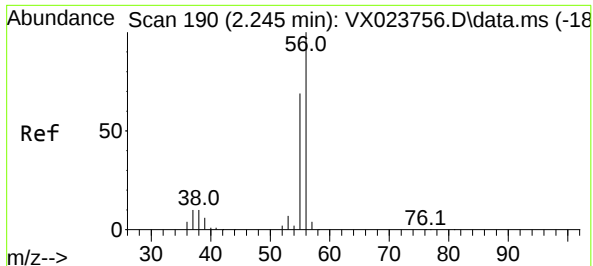
Tgt Ion:142 Resp: 2196
Ion Ratio Lower Upper
142 100
127 45.6 33.3 49.9
141 14.5 11.4 17.0



#11
Tert butyl alcohol
Concen: 1.872 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 59 Resp: 727
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

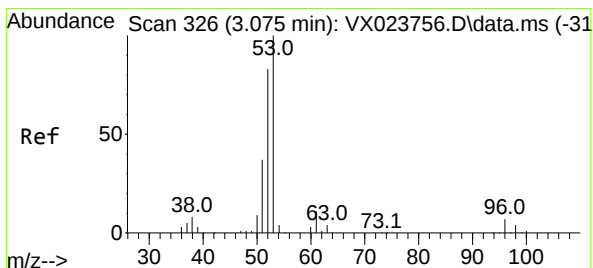
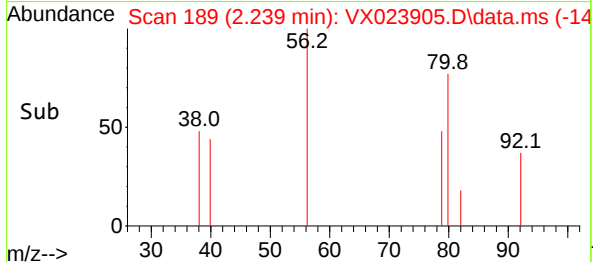
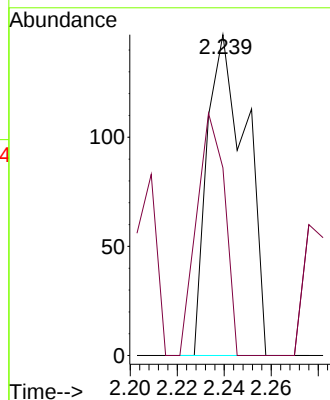
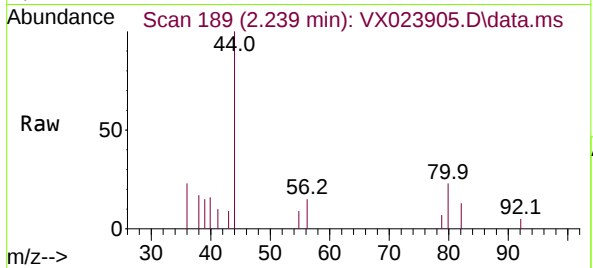




#13
Acrolein
Concen: 0.736 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

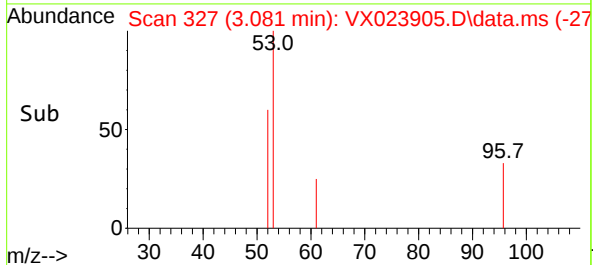
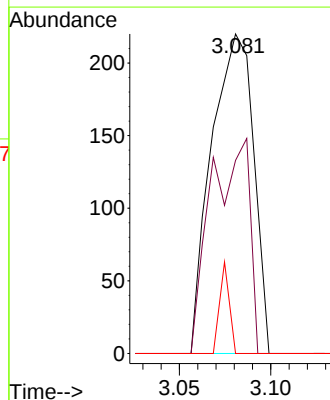
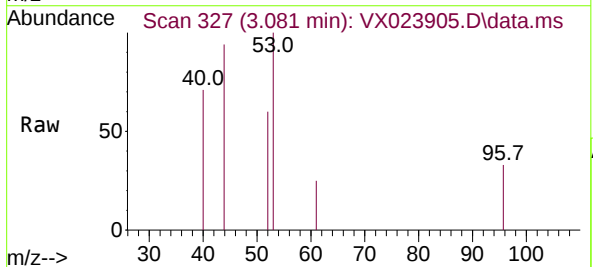
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MSVOA_X
ClientSampleId :
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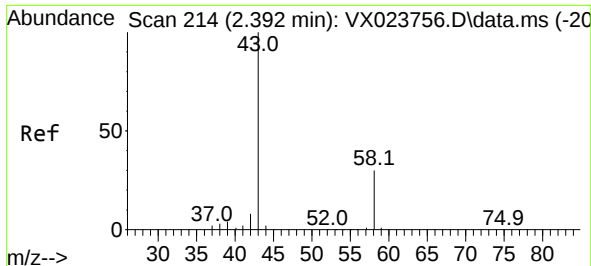
Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 54.1 56.4 84.6#



#15
Acrylonitrile
Concen: 0.408 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 53 Resp: 353
Ion Ratio Lower Upper
53 100
52 61.5 65.3 97.9#
51 6.5 28.2 42.2#

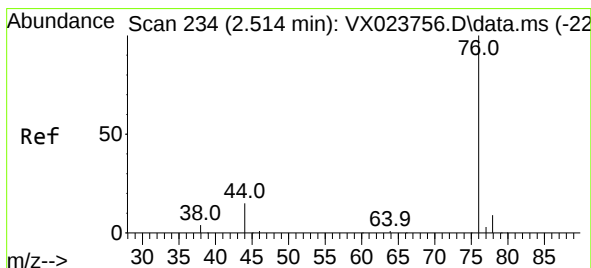
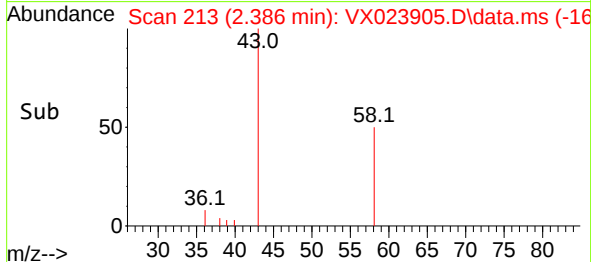
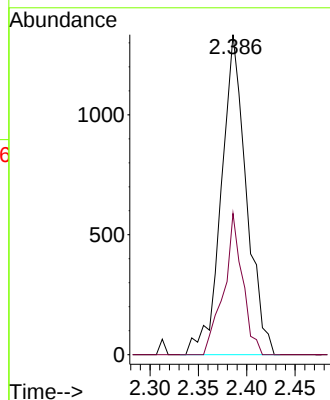
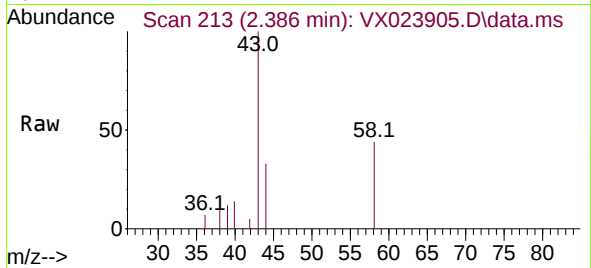




#16
Acetone
Concen: 2.802 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

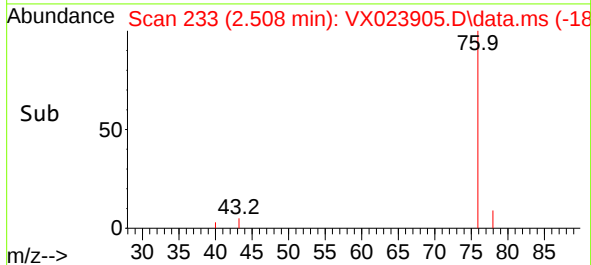
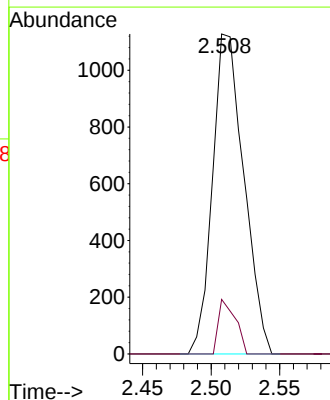
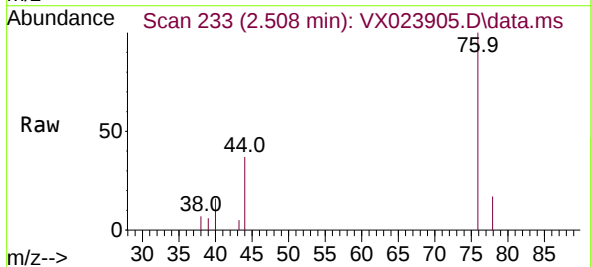
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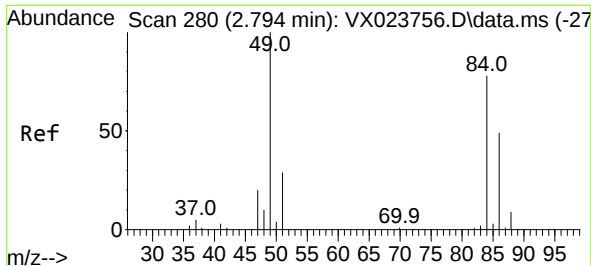
Tgt Ion: 43 Resp: 2406
Ion Ratio Lower Upper
43 100
58 44.2 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.570 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 76 Resp: 1794
Ion Ratio Lower Upper
76 100
78 17.0 7.2 10.8#

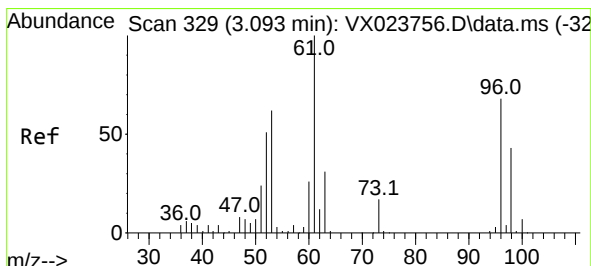
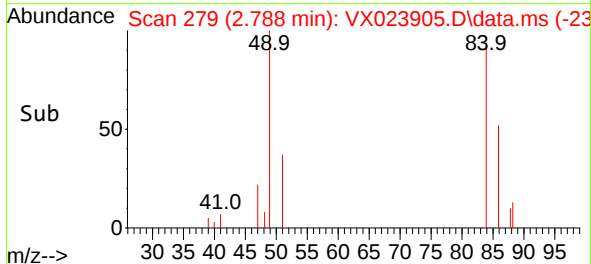
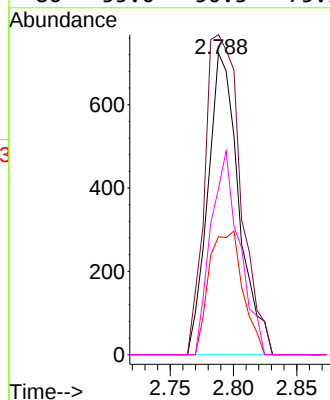
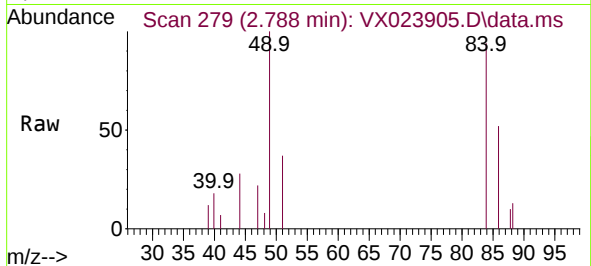




#20
Methylene Chloride
Concen: 0.755 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

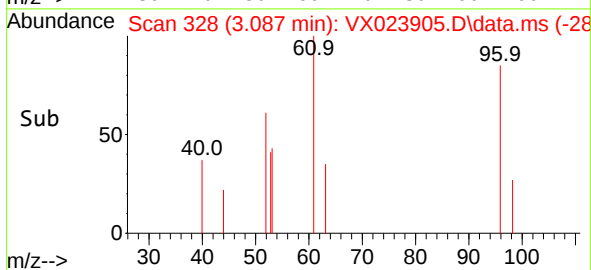
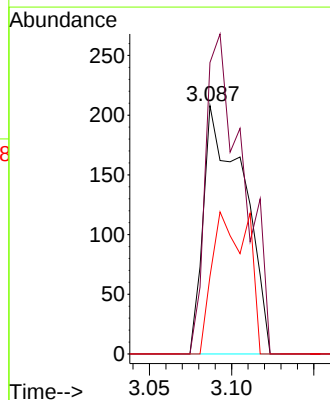
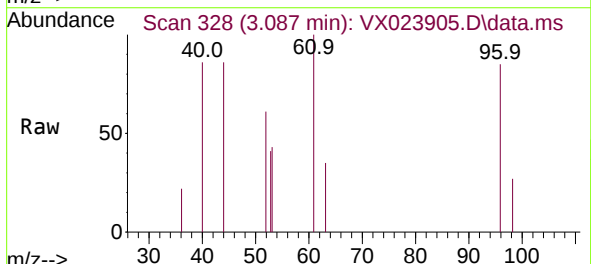
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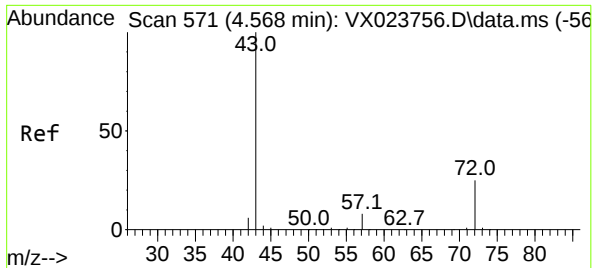
Tgt Ion: 84	Resp: 1238
Ion Ratio	Lower Upper
84 100	
49 106.1	88.6 132.8
51 39.1	27.0 40.6
86 55.0	50.3 75.5



#21
trans-1,2-Dichloroethene
Concen: 0.249 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 96	Resp: 351
Ion Ratio	Lower Upper
96 100	
61 117.3	107.7 161.5
98 31.3	50.4 75.6#

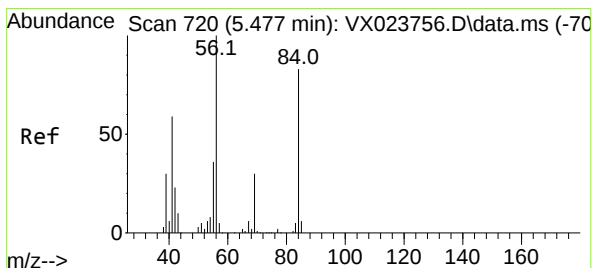
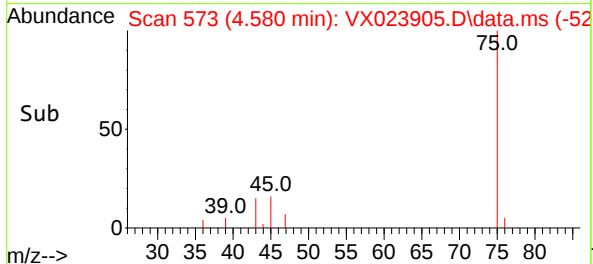
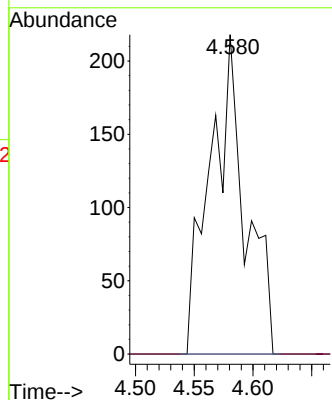
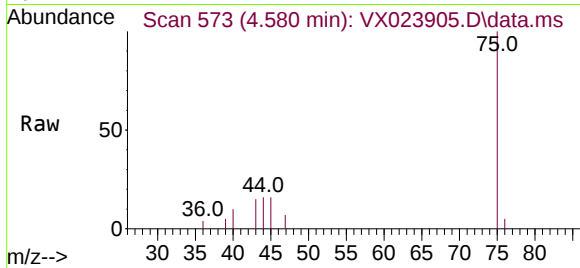




#25
2-Butanone
Concen: 0.350 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

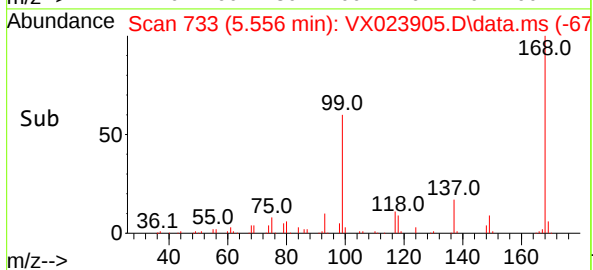
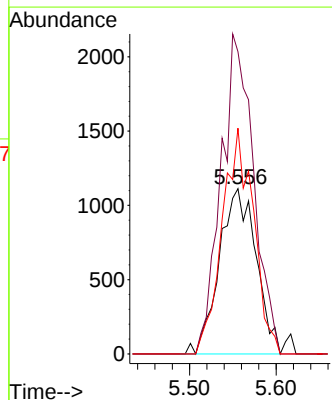
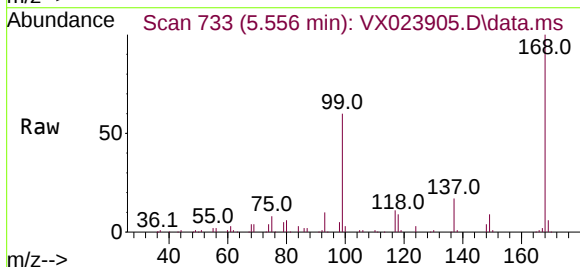
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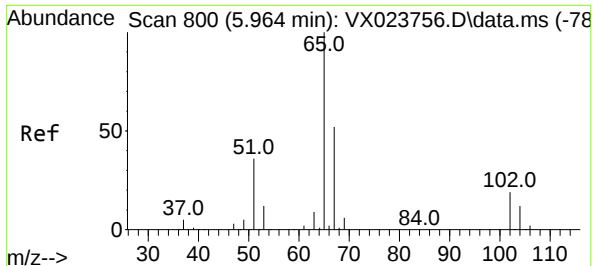
Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.332 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 56 Resp: 3286
Ion Ratio Lower Upper
56 100
69 182.9 25.3 37.9#
84 136.7 71.4 107.0#

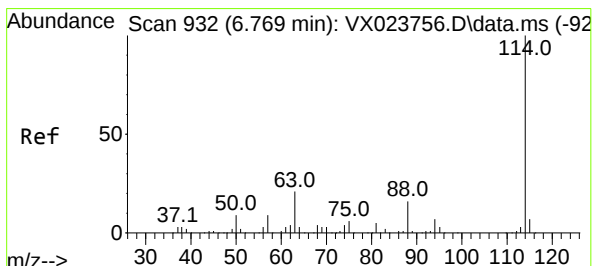
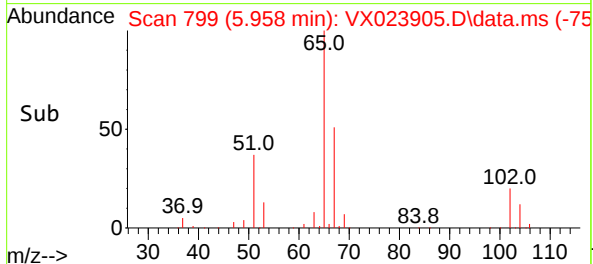
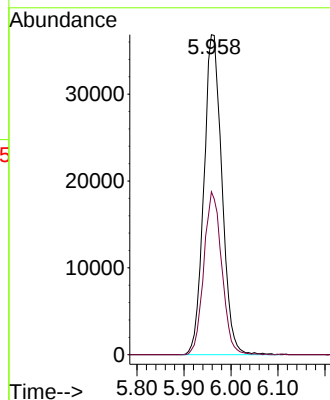
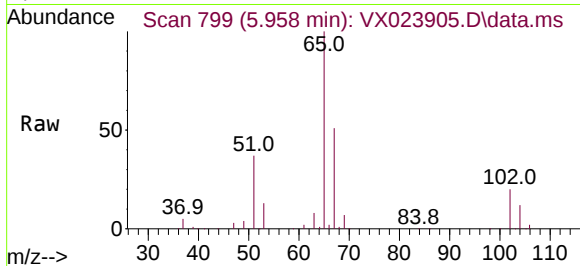




#33
1,2-Dichloroethane-d4
Concen: 51.078 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

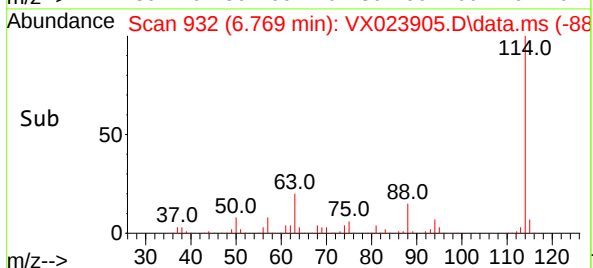
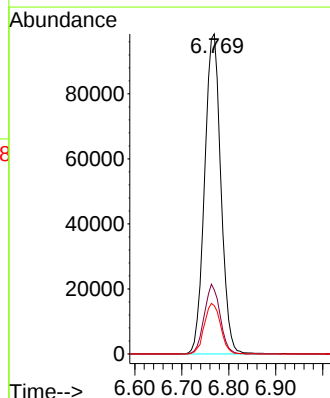
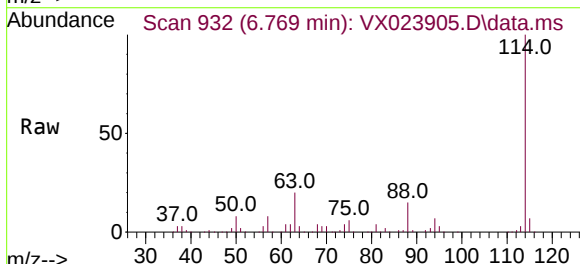
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

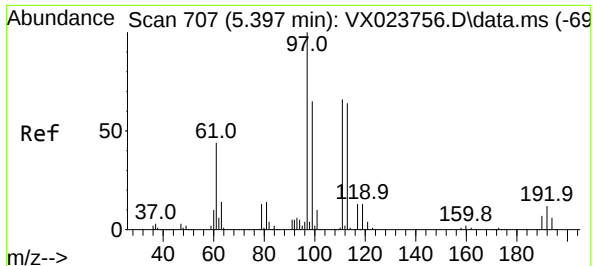
Tgt Ion: 65 Resp: 98086
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 114 Resp: 235818
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 15.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.748 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX023905.D

Acq: 23 Aug 2021 18:03

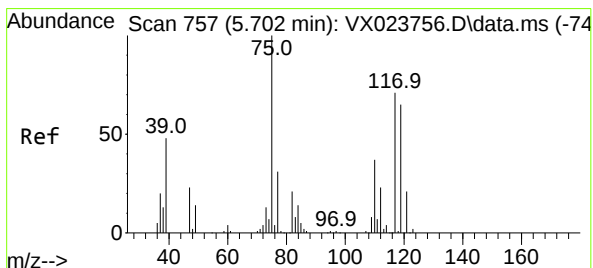
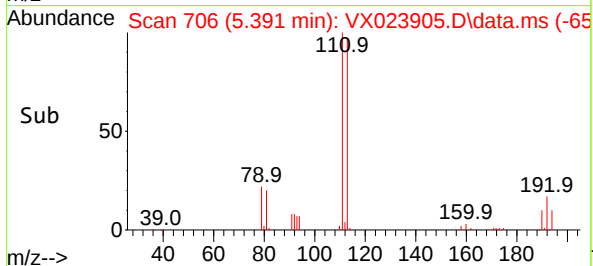
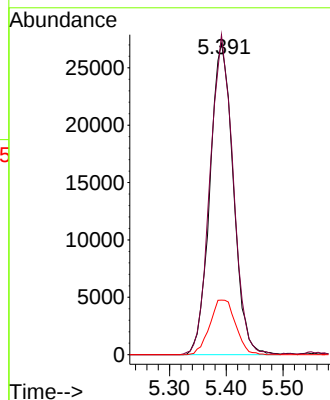
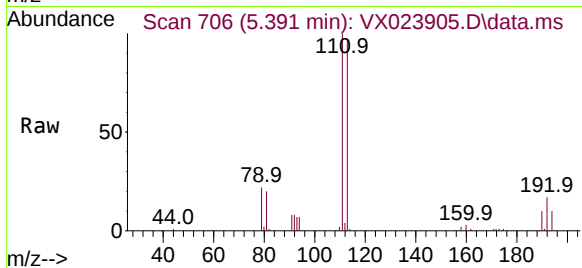
Tgt Ion:113 Resp: 77647

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

192 19.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.993 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023905.D

Acq: 23 Aug 2021 18:03

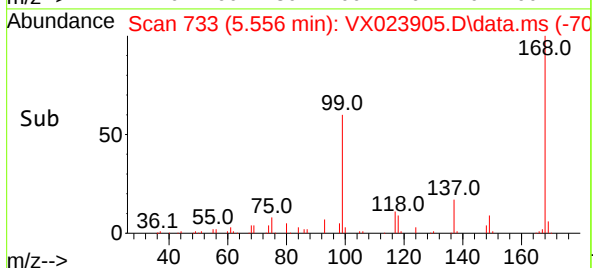
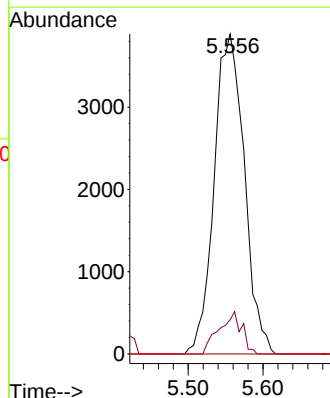
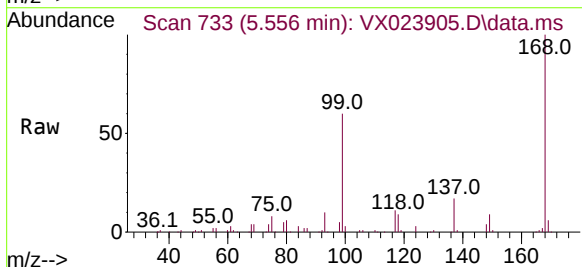
Tgt Ion: 75 Resp: 10905

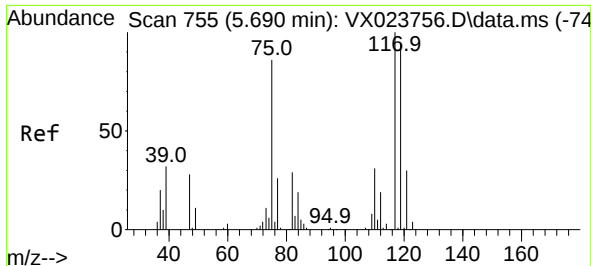
Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.4#

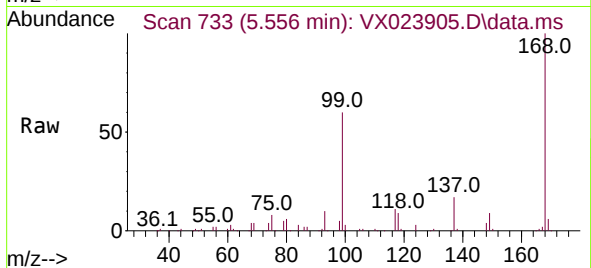
77 0.0 25.3 37.9#



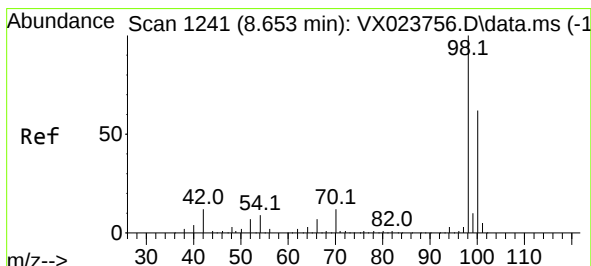
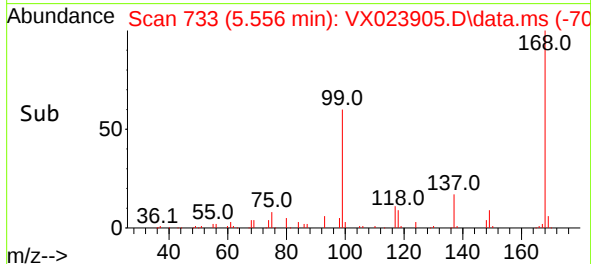
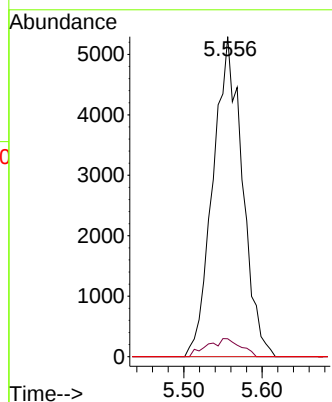


#38
Carbon Tetrachloride
Concen: 6.052 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

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

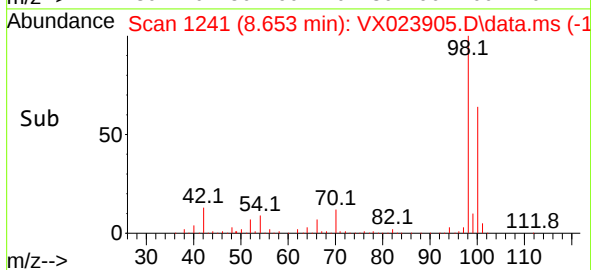
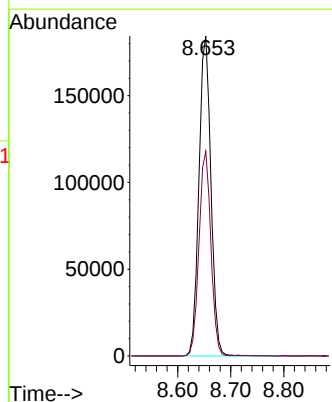
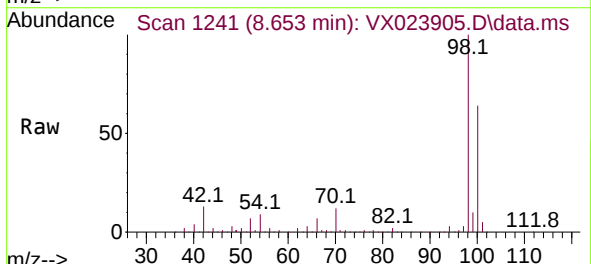


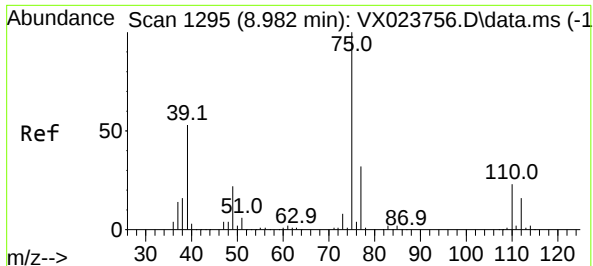
Tgt Ion:117 Resp: 13783
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.430 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 98 Resp: 287702
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

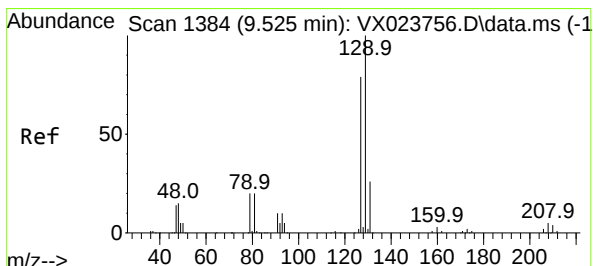
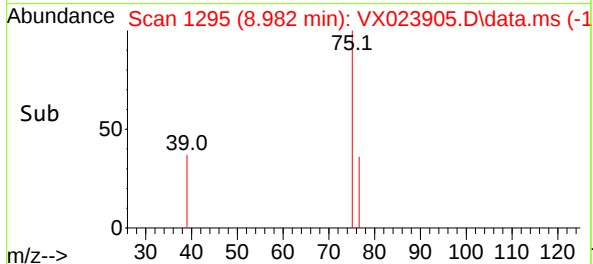
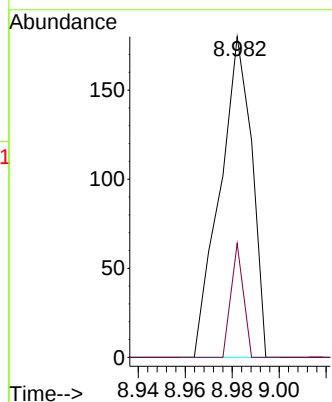
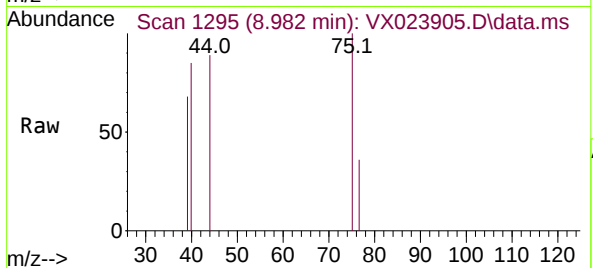




#53
t-1,3-Dichloropropene
Concen: 2.195 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

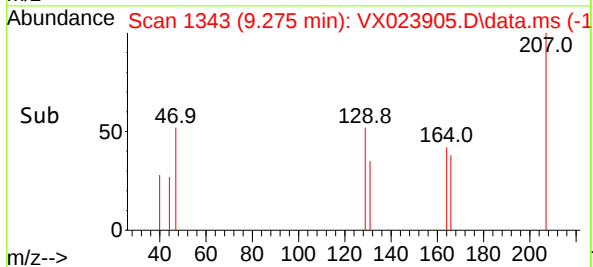
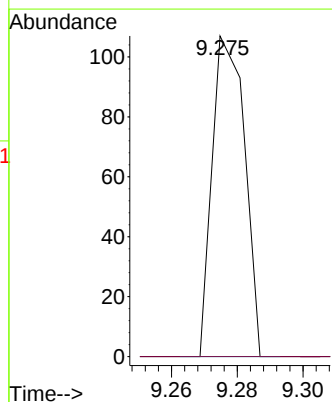
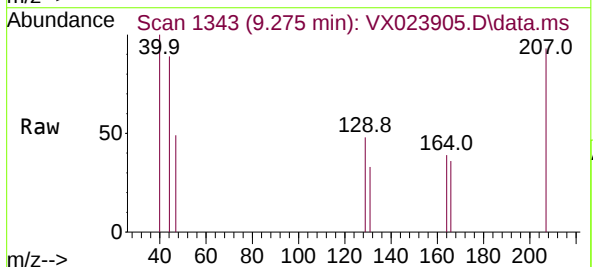
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

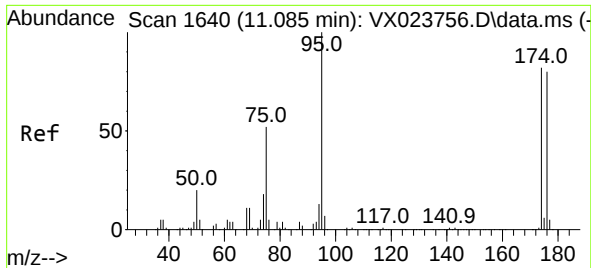
Tgt Ion: 75 Resp: 169
Ion Ratio Lower Upper
75 100
77 35.6 24.9 37.3



#60
Dibromochloromethane
Concen: 1.725 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 129 Resp: 73
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

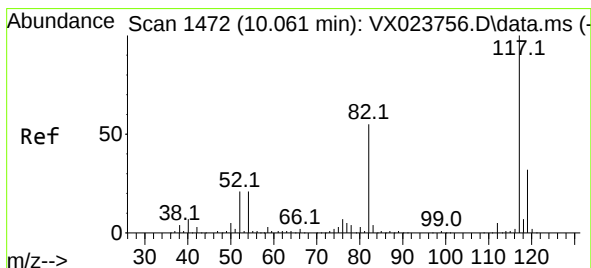
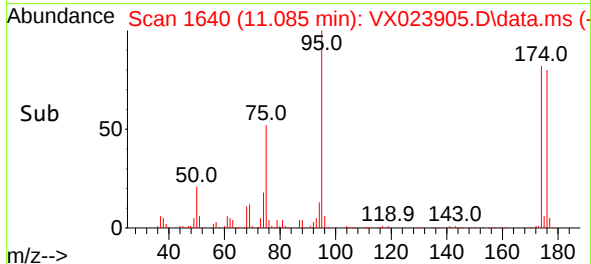
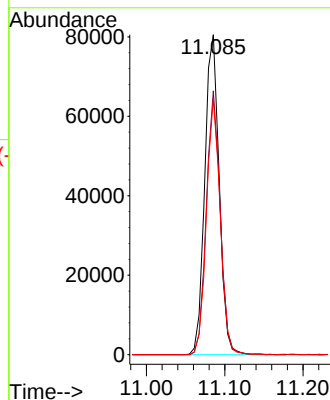
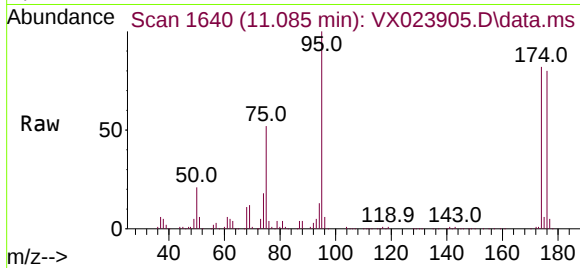




#62
4-Bromofluorobenzene
Concen: 46.946 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

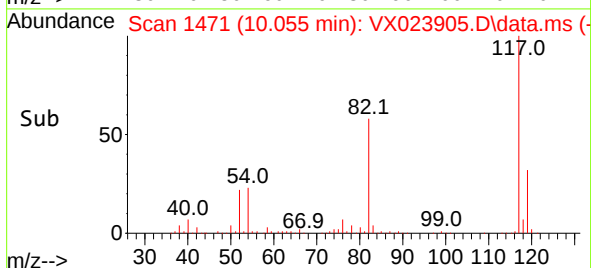
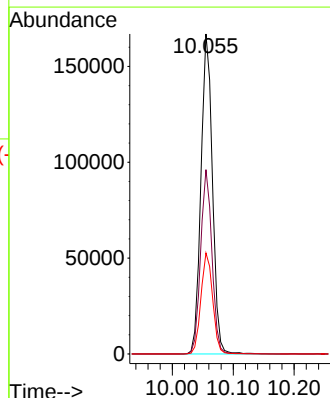
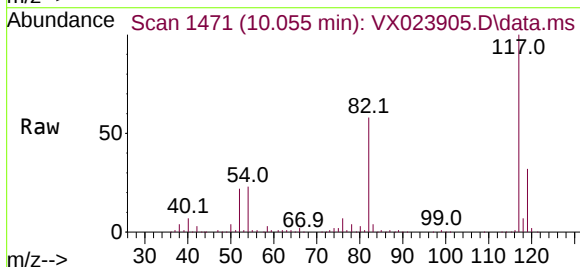
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

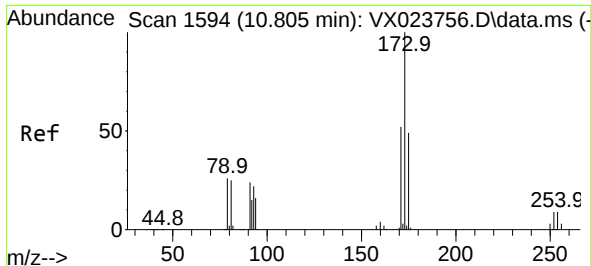
Tgt Ion: 95 Resp: 102666
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 76.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 117 Resp: 218088
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 31.6 26.6 39.8

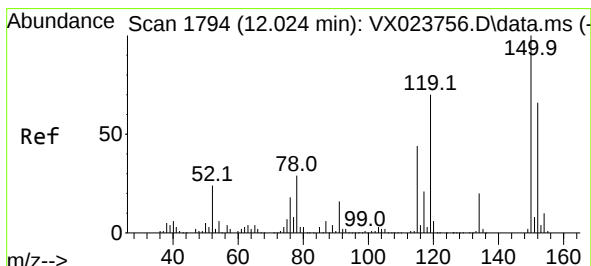
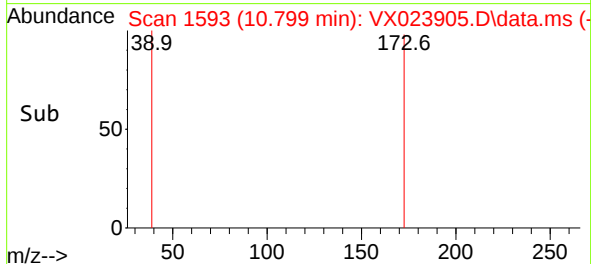
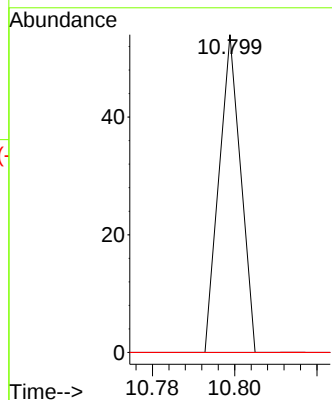
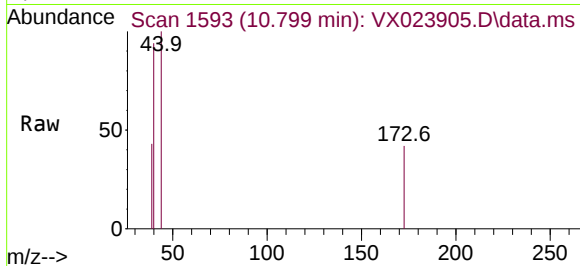




#71
Bromoform
Concen: 1.946 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

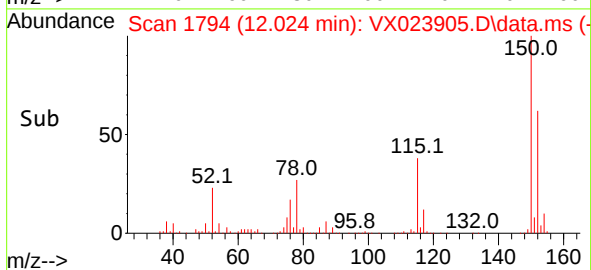
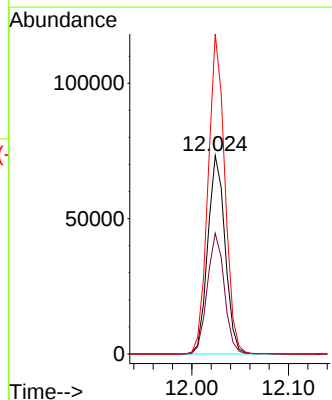
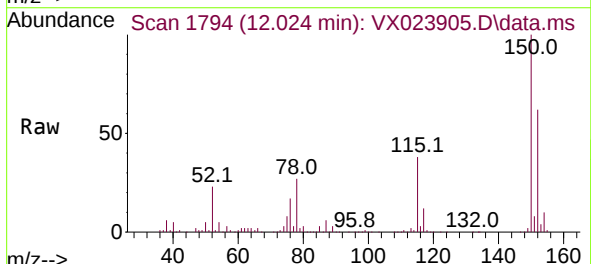
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

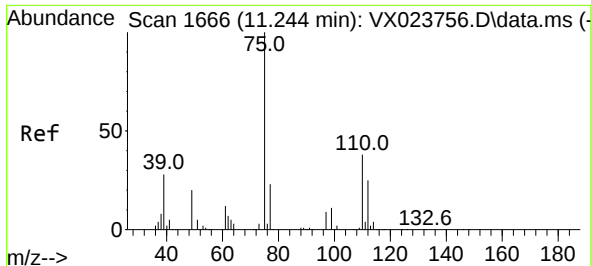
Tgt Ion:173 Resp: 20
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion:152 Resp: 91262
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 156.2 0.0 349.0

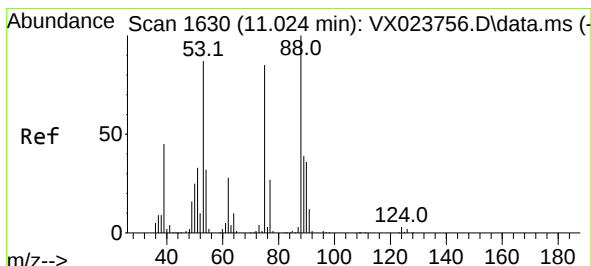
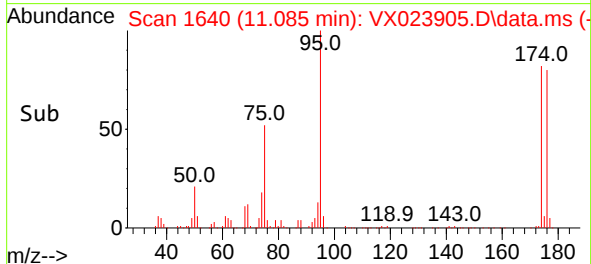
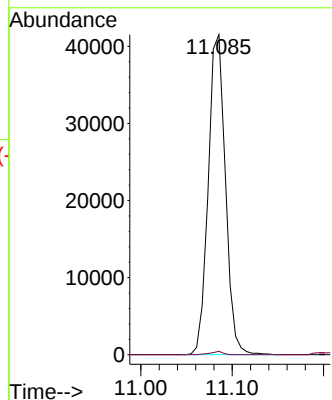
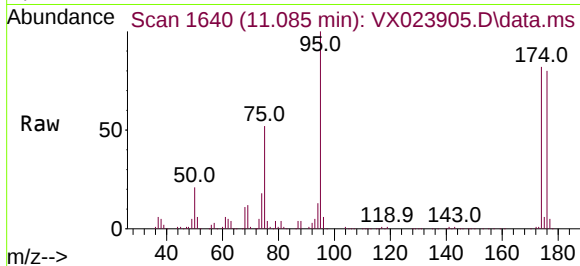




#76
1,2,3-Trichloropropane
Concen: 25.414 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

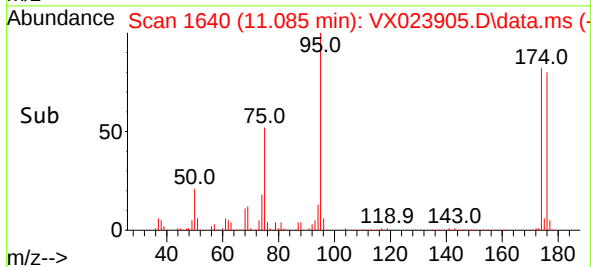
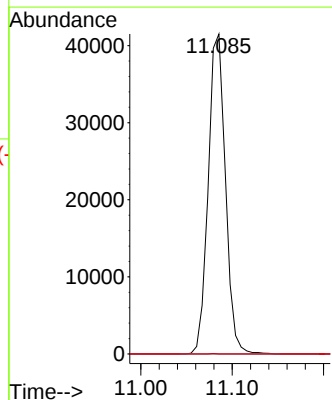
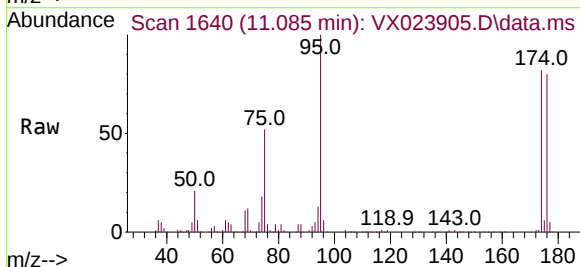
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MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

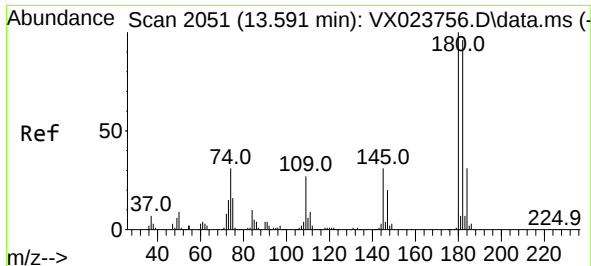
Tgt Ion: 75 Resp: 54104
Ion Ratio Lower Upper
75 100
77 0.7 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.756 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion: 75 Resp: 54104
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

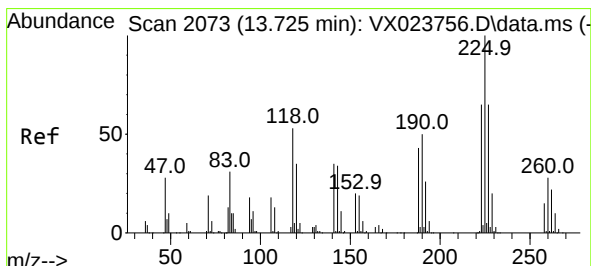
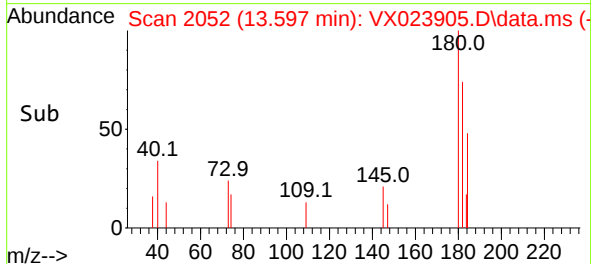
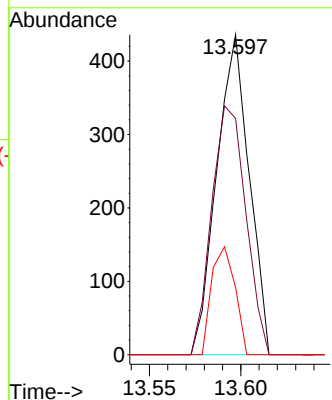
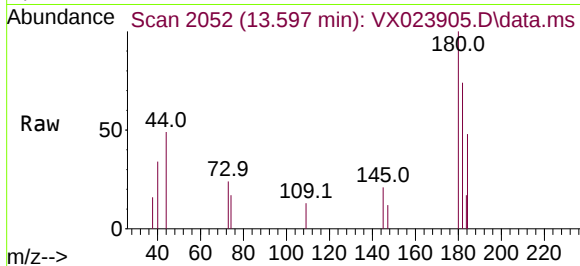




#93
1,2,4-Trichlorobenzene
Concen: 0.298 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

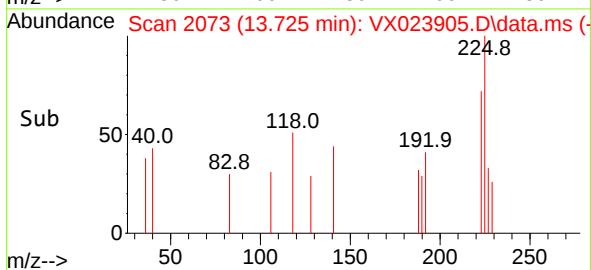
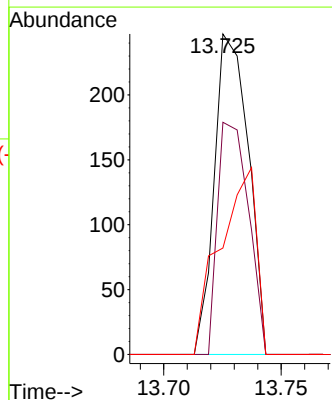
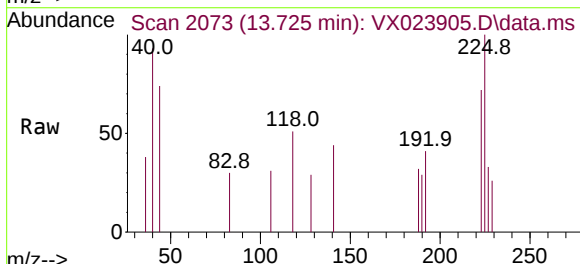
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

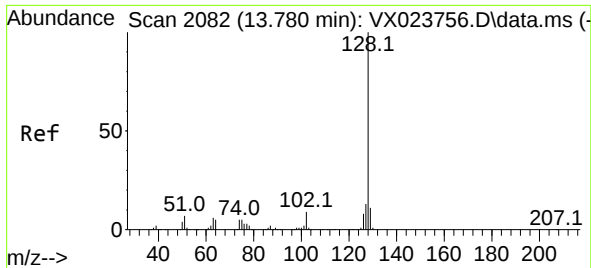
Tgt Ion:180	Resp:	539
Ion	Ratio	Lower Upper
180	100	
182	81.8	47.7 143.1
145	24.3	15.0 45.0



#94
Hexachlorobutadiene
Concen: 0.309 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX023905.D
Acq: 23 Aug 2021 18:03

Tgt Ion:225	Resp:	249
Ion	Ratio	Lower Upper
225	100	
223	65.9	31.1 93.2
227	62.2	31.6 95.0





#95

Naphthalene

Concen: 1.424 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX023905.D

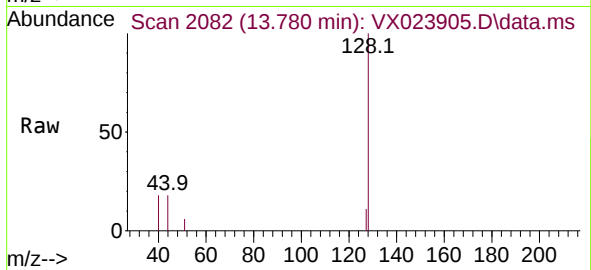
Acq: 23 Aug 2021 18:03

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



Tgt Ion:	128	Resp:	970
Ion	Ratio	Lower	Upper
128	100		
127	9.8	10.3	15.5#
129	0.0	8.8	13.2#

