

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023886.D
 Acq On : 20 Aug 2021 18:44
 Operator : JC/MD
 Sample : M3511-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Aug 21 01:15:04 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	5.562	168	141016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	242176	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91694	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100276	50.950	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.900%
35) Dibromofluoromethane	5.397	113	79877	49.833	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.660%
50) Toluene-d8	8.653	98	296043	48.526	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.060%
62) 4-Bromofluorobenzene	11.085	95	103349	46.018	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.040%

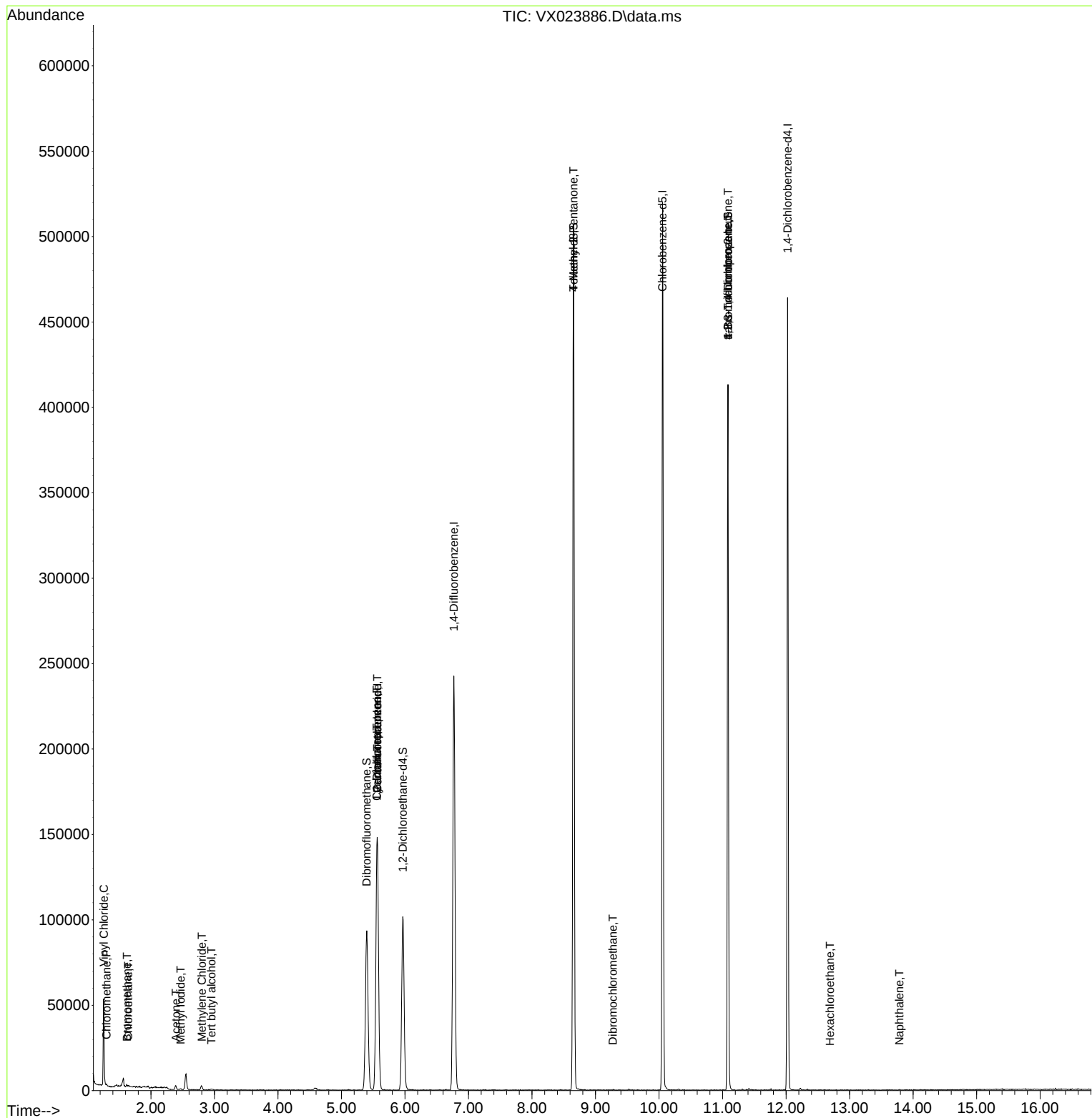
Target Compounds			Qvalue			
3) Chloromethane	1.300	50	545	0.334	ug/l #	81
4) Vinyl Chloride	1.258	62	415	0.261	ug/l #	43
5) Bromomethane	1.624	94	539	0.538	ug/l #	68
6) Chloroethane	1.642	64	50	2.254	ug/l #	43
10) Methyl Iodide	2.465	142	843	0.428	ug/l #	89
11) Tert butyl alcohol	2.953	59	512	1.286	ug/l #	73
16) Acetone	2.392	43	2721	3.092	ug/l #	86
20) Methylene Chloride	2.800	84	1075	0.640	ug/l #	91
31) Cyclohexane	5.556	56	3228	1.277	ug/l #	25
36) 1,1-Dichloropropene	5.556	75	10807	4.819	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14609	6.247	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1376	0.494	ug/l #	1
60) Dibromochloromethane	9.275	129	45	1.710	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	55190	25.802	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55190	75.898	ug/l #	12
90) Hexachloroethane	12.695	117	32	1.497	ug/l #	9
95) Naphthalene	13.786	128	258	1.320	ug/l #	69

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

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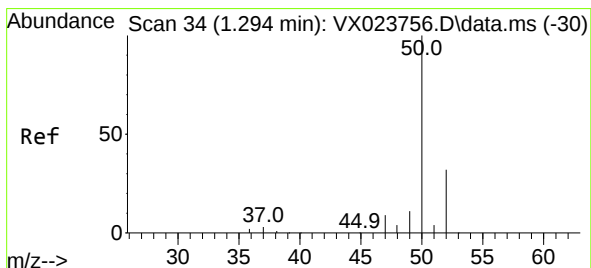
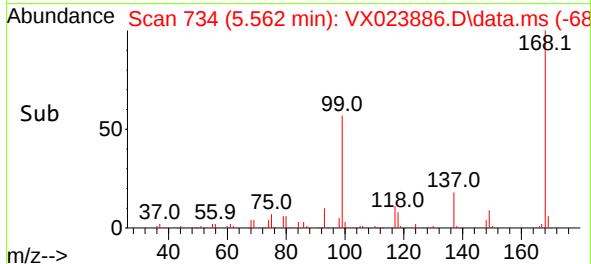
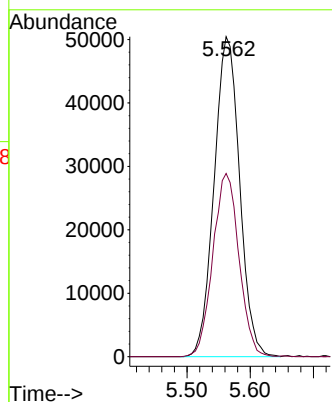
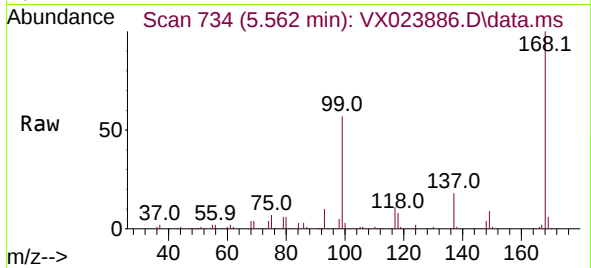




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

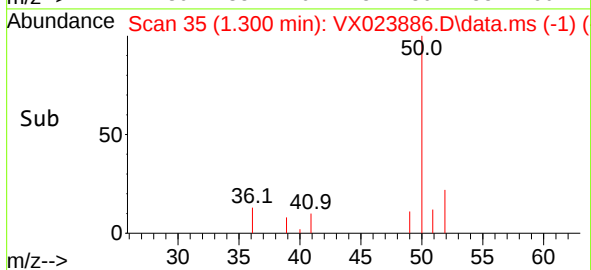
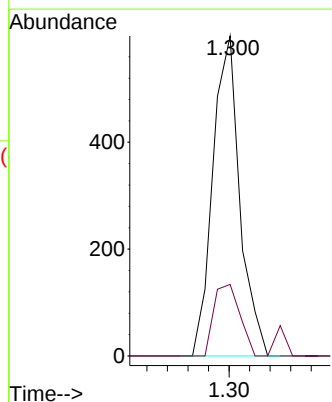
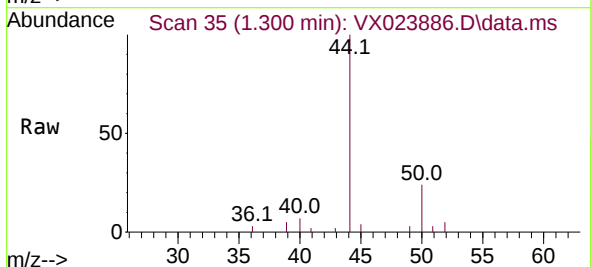
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

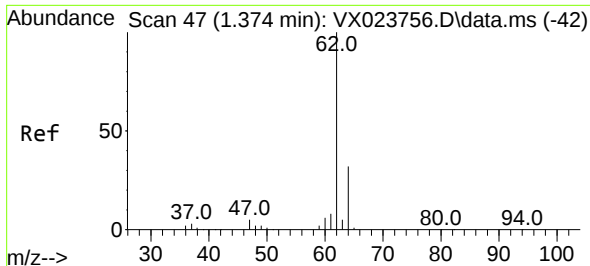
Tgt Ion:168 Resp: 141016
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#3
Chloromethane
Concen: 0.334 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

Tgt Ion: 50 Resp: 545
Ion Ratio Lower Upper
50 100
52 22.4 26.4 39.6#

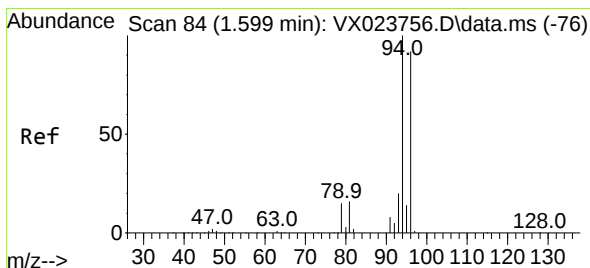
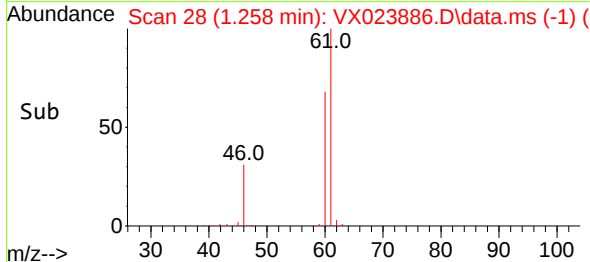
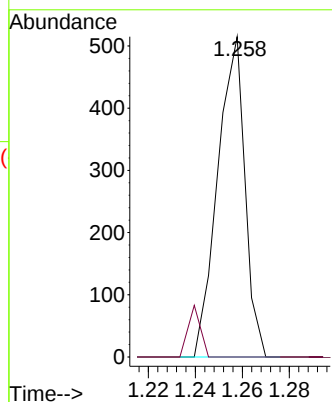
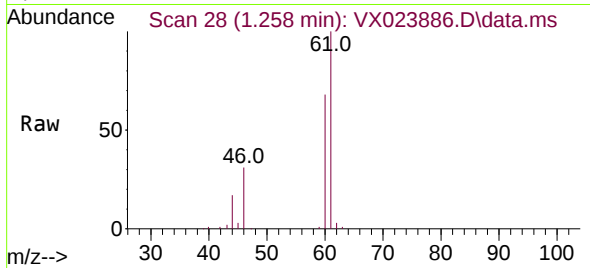




#4
 Vinyl Chloride
 Concen: 0.261 ug/l
 RT: 1.258 min Scan# 28
 Delta R.T. -0.116 min
 Lab File: VX023886.D
 Acq: 20 Aug 2021 18:44

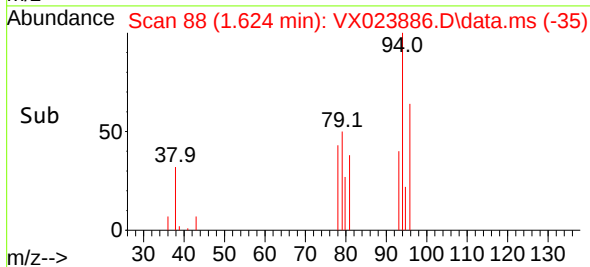
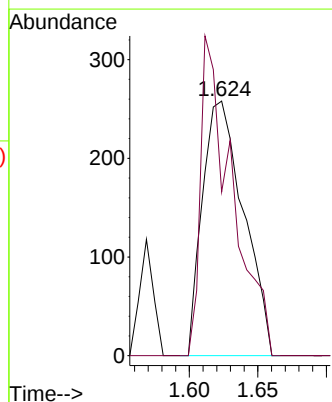
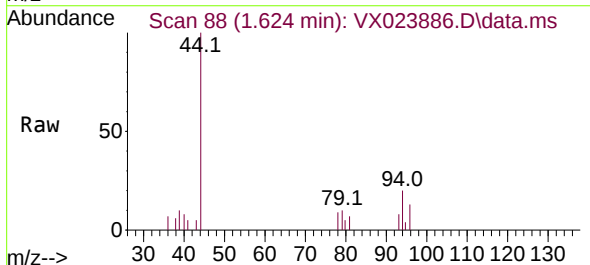
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

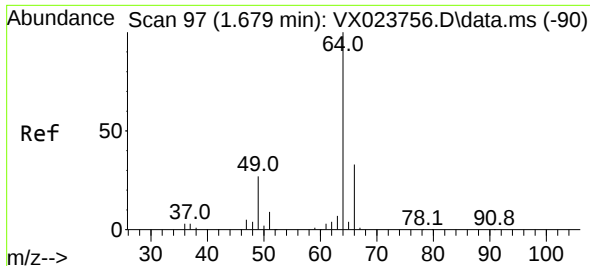
Tgt Ion: 62 Resp: 415
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 0.538 ug/l
 RT: 1.624 min Scan# 88
 Delta R.T. 0.025 min
 Lab File: VX023886.D
 Acq: 20 Aug 2021 18:44

Tgt Ion: 94 Resp: 539
 Ion Ratio Lower Upper
 94 100
 96 64.3 76.4 114.6#

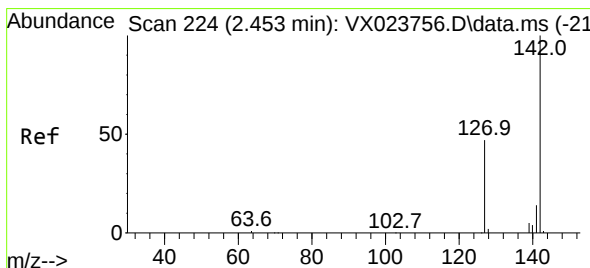
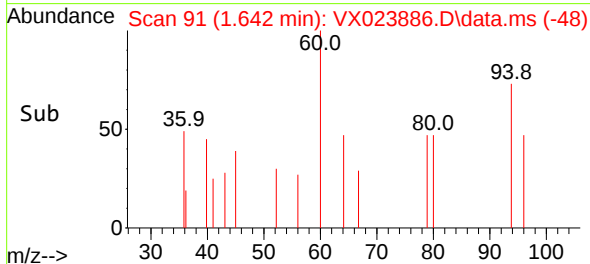
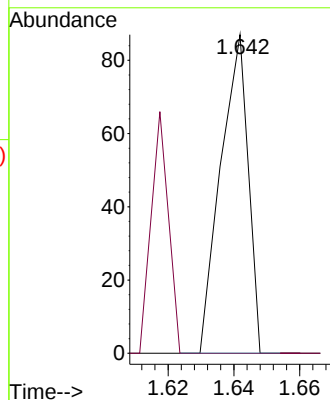
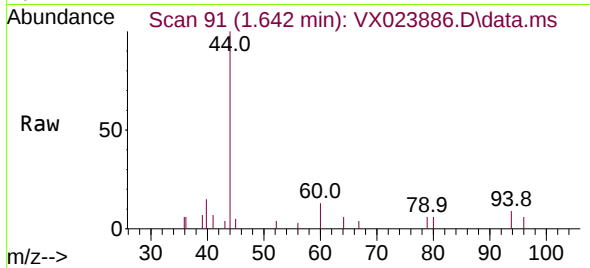




#6
Chloroethane
Concen: 2.254 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

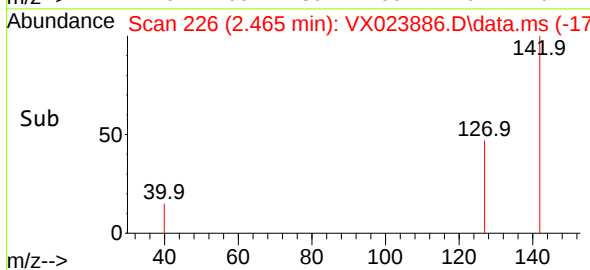
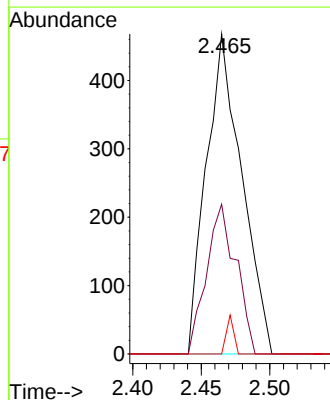
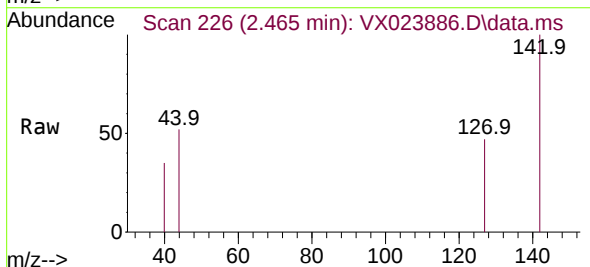
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

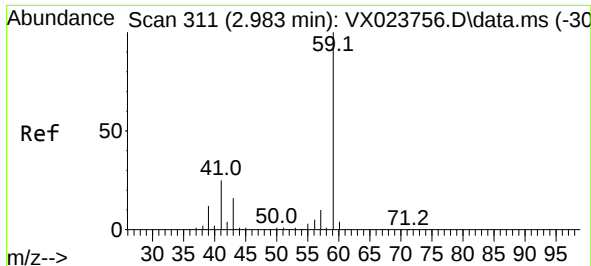
Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.428 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

Tgt Ion: 142 Resp: 843
Ion Ratio Lower Upper
142 100
127 38.8 33.3 49.9
141 2.5 11.4 17.0#

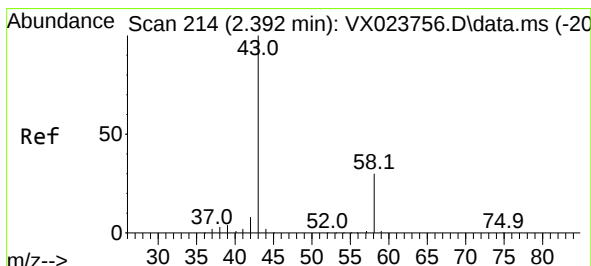
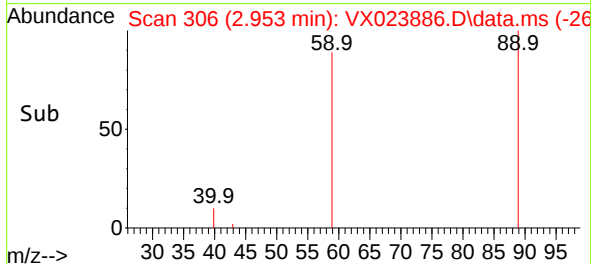
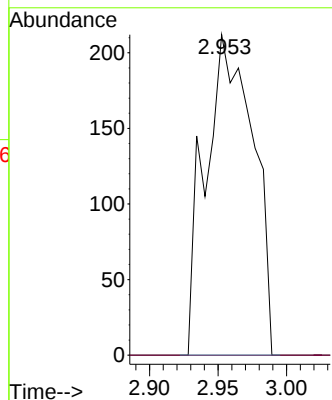
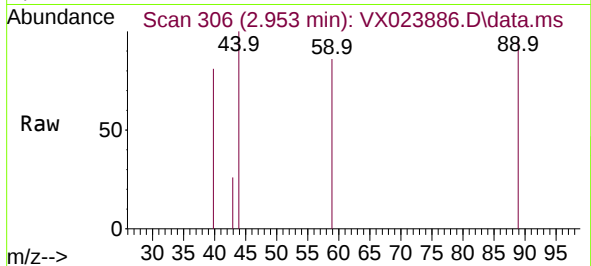




#11
Tert butyl alcohol
Concen: 1.286 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

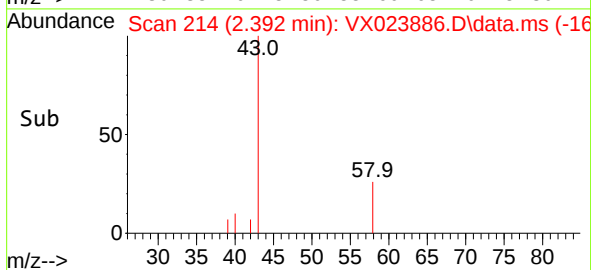
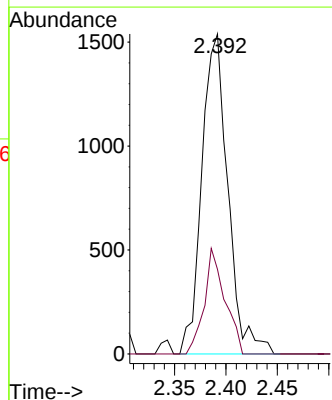
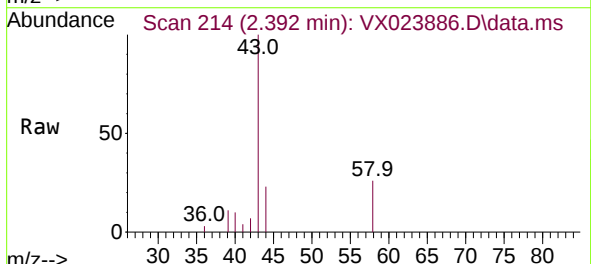
Instrument :
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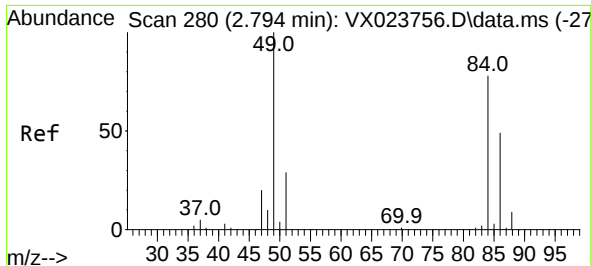
Tgt Ion: 59 Resp: 512
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 3.092 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

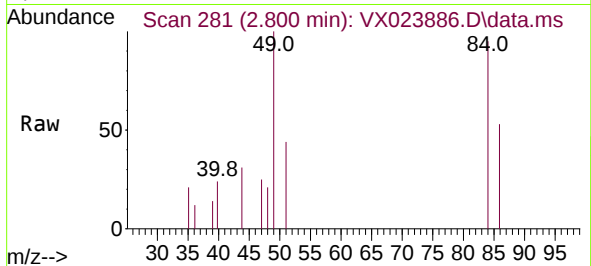
Tgt Ion: 43 Resp: 2721
Ion Ratio Lower Upper
43 100
58 26.4 27.8 41.8#



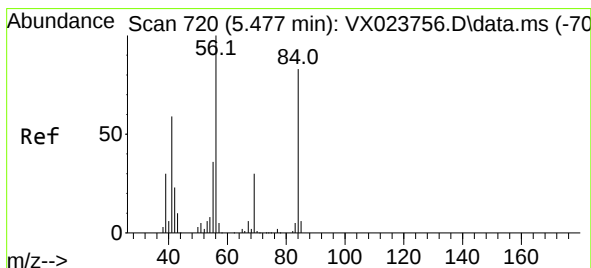
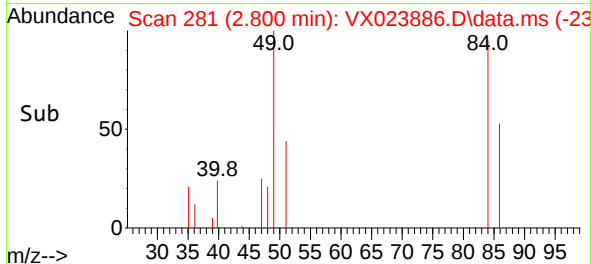
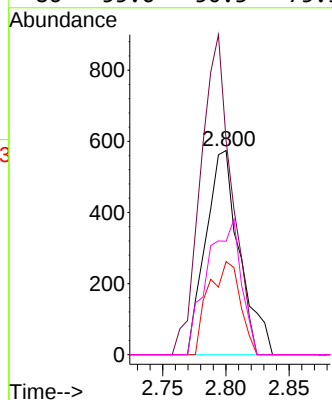


#20
Methylene Chloride
Concen: 0.640 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

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

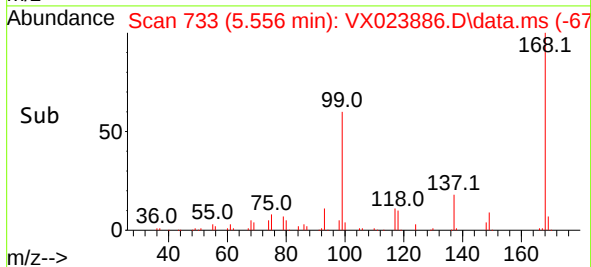
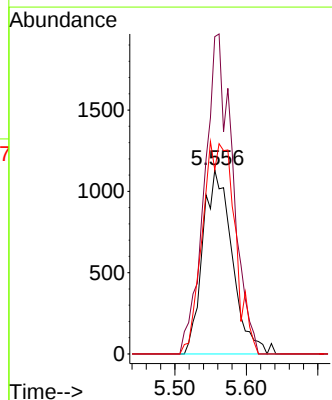
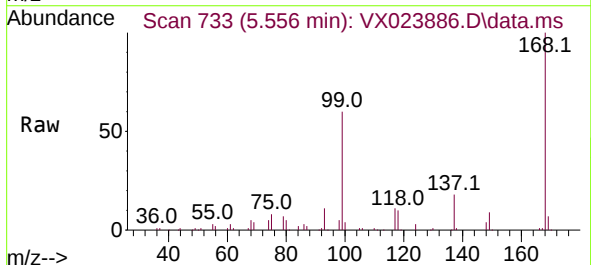


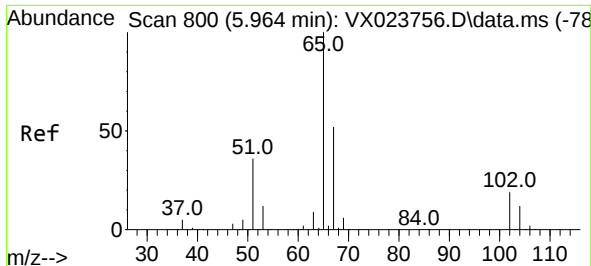
Tgt Ion:	84	Resp:	1075
Ion	Ratio	Lower	Upper
84	100		
49	104.9	88.6	132.8
51	45.6	27.0	40.6#
86	55.6	50.3	75.5



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

Tgt Ion:	56	Resp:	3228
Ion	Ratio	Lower	Upper
56	100		
69	172.3	25.3	37.9#
84	100.1	71.4	107.0

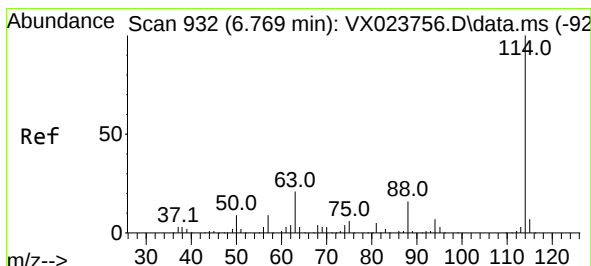
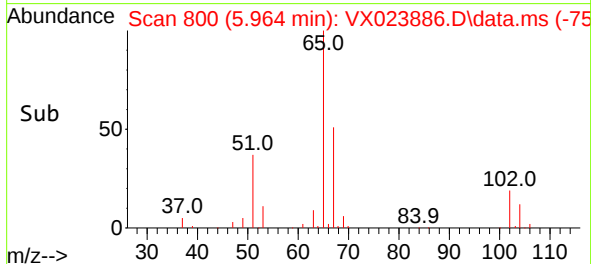
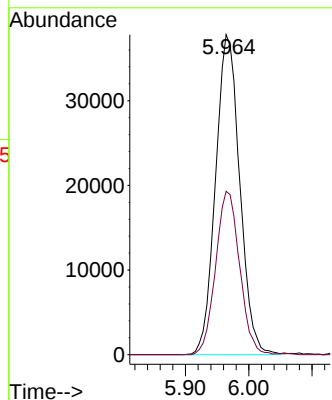
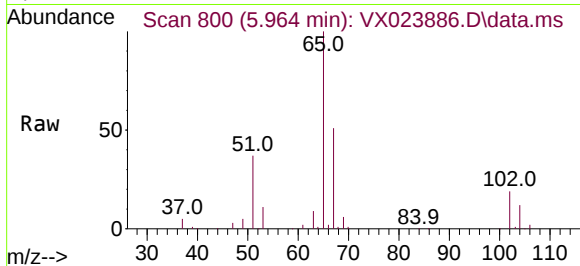




#33
 1,2-Dichloroethane-d4
 Concen: 50.950 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023886.D
 Acq: 20 Aug 2021 18:44

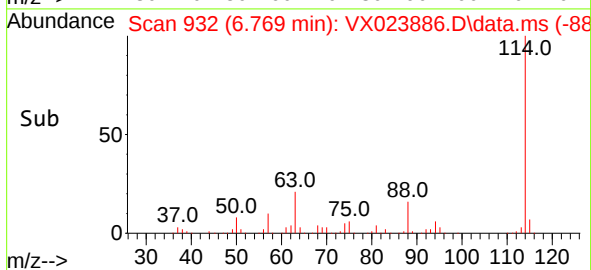
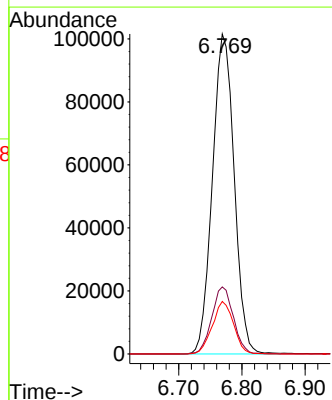
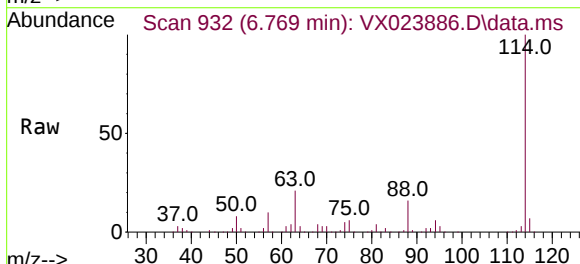
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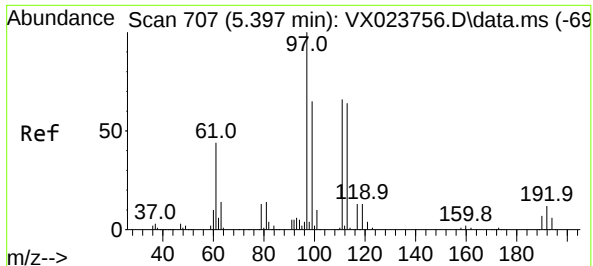
Tgt Ion: 65 Resp: 100276
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023886.D
 Acq: 20 Aug 2021 18:44

Tgt Ion: 114 Resp: 242176
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.833 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023886.D

Acq: 20 Aug 2021 18:44

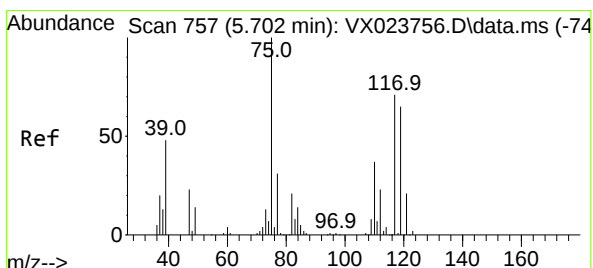
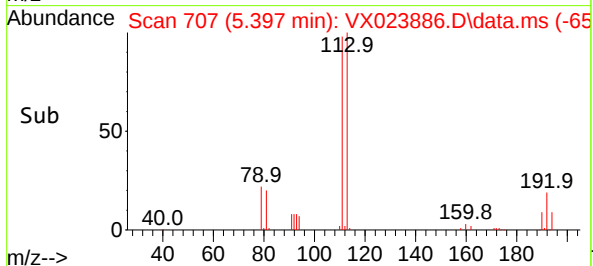
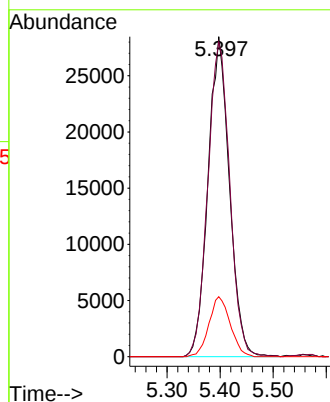
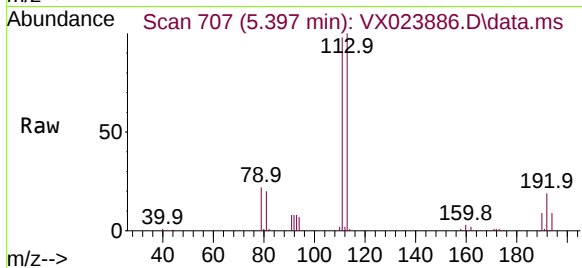
Tgt Ion:113 Resp: 79877

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

192 18.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.819 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023886.D

Acq: 20 Aug 2021 18:44

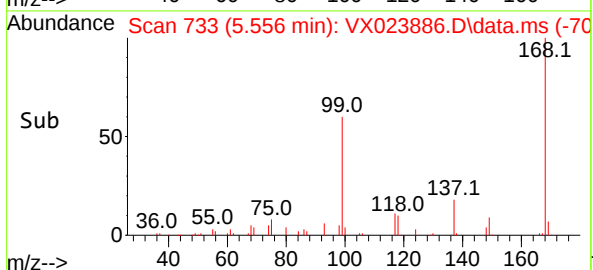
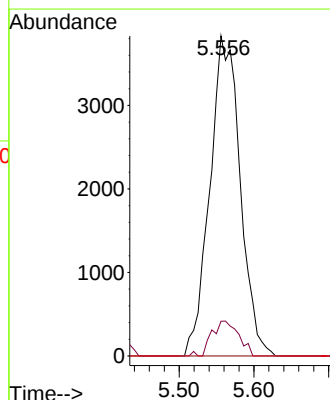
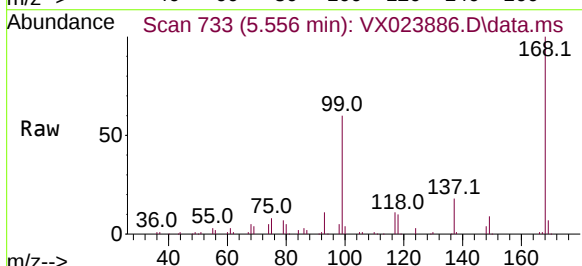
Tgt Ion: 75 Resp: 10807

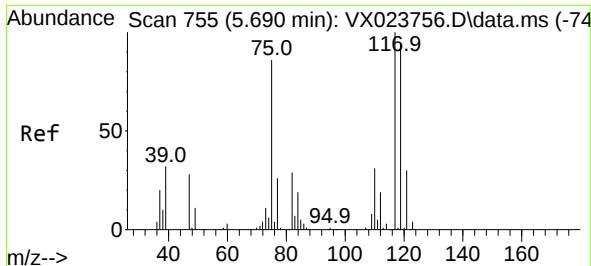
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

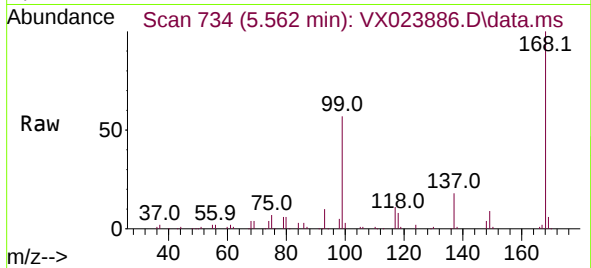
77 0.0 25.3 37.9#



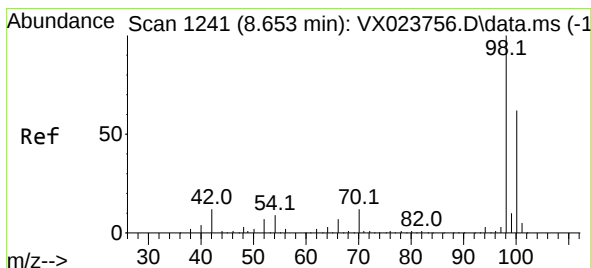
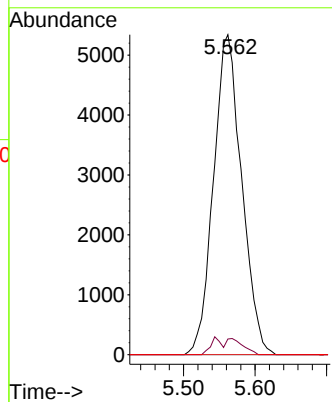
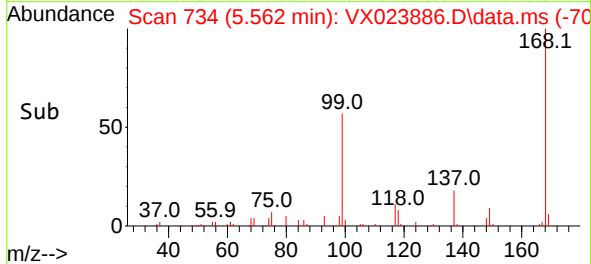


#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

Instrument :
MSVOA_X
ClientSampleId :
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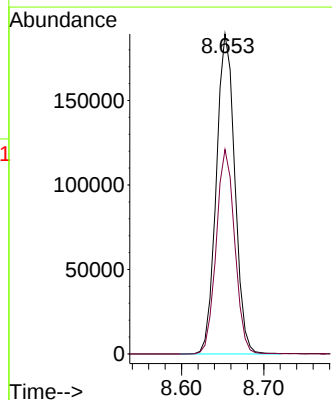
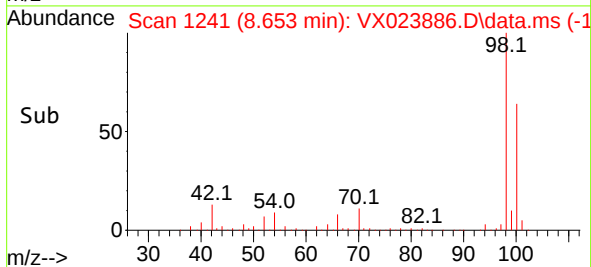
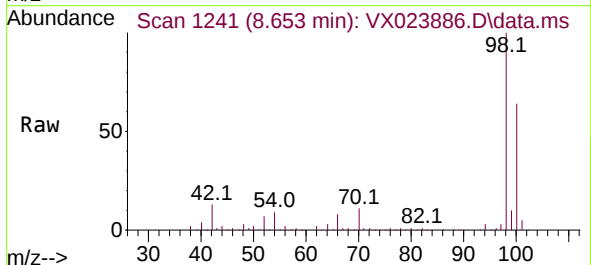


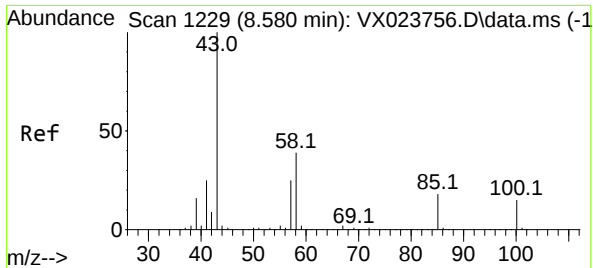
Tgt Ion:117 Resp: 14609
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.526 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

Tgt Ion: 98 Resp: 296043
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

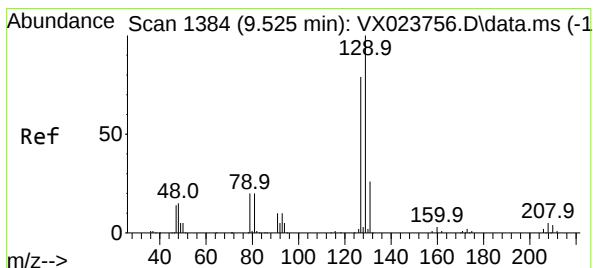
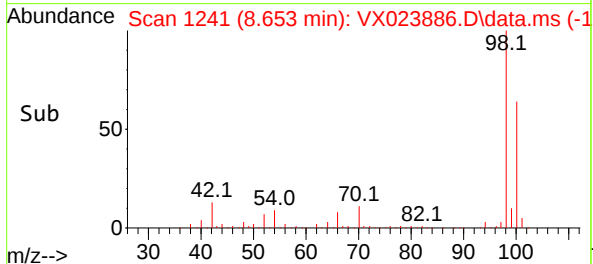
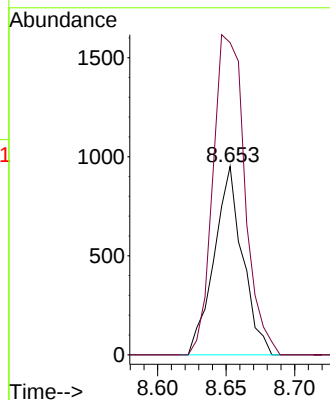
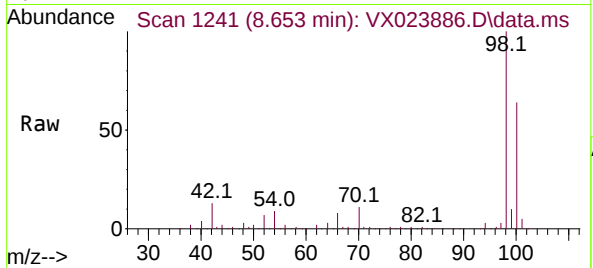




#51
4-Methyl-2-Pentanone
Concen: 0.494 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

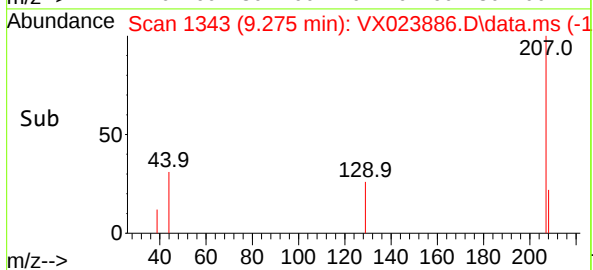
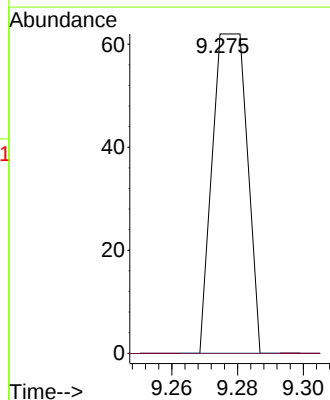
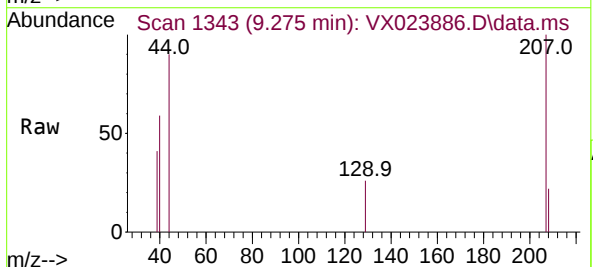
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

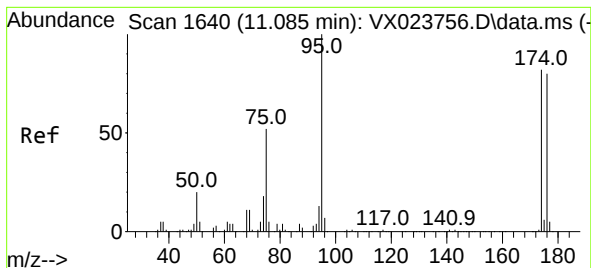
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 189.8 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.710 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

Tgt Ion: 129 Resp: 45
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

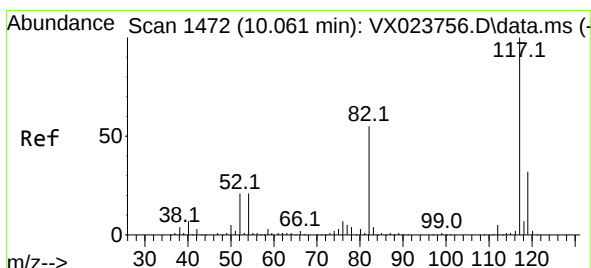
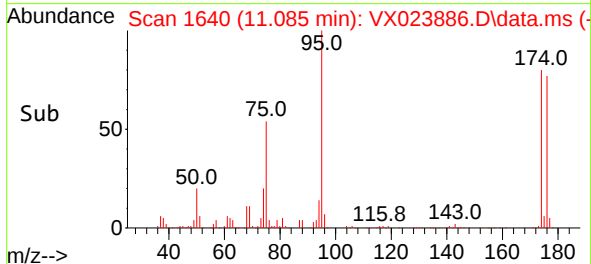
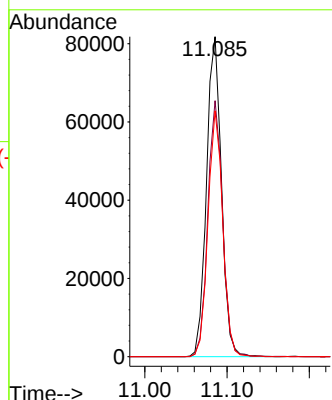
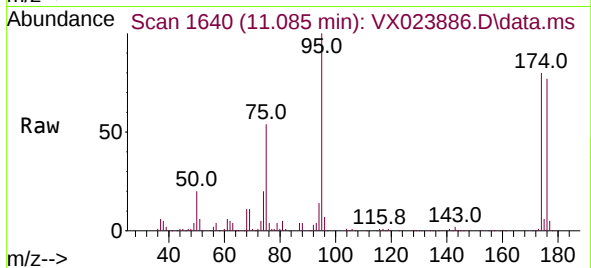




#62
4-Bromofluorobenzene
Concen: 46.018 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

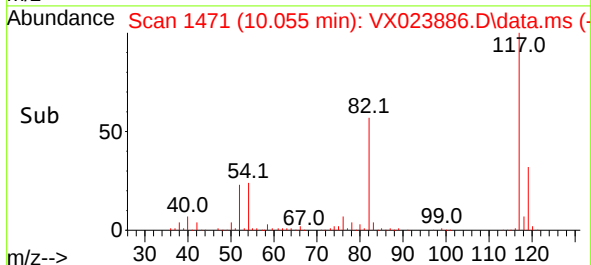
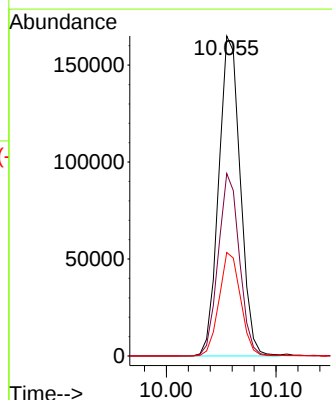
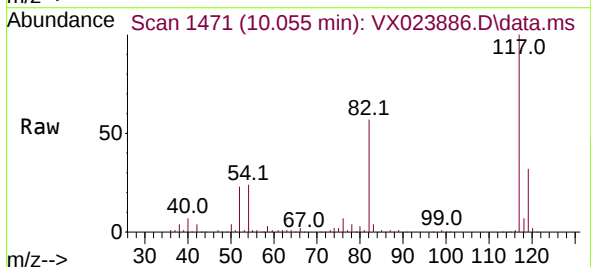
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

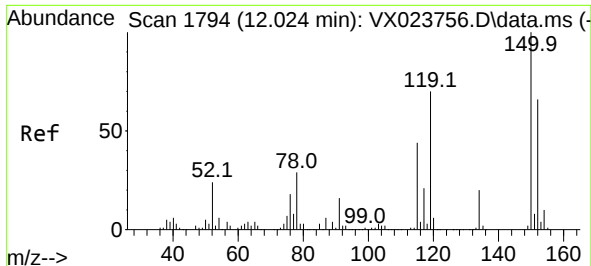
Tgt Ion: 95 Resp: 103349
Ion Ratio Lower Upper
95 100
174 79.1 0.0 154.6
176 75.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

Tgt Ion: 117 Resp: 226353
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 32.4 26.6 39.8

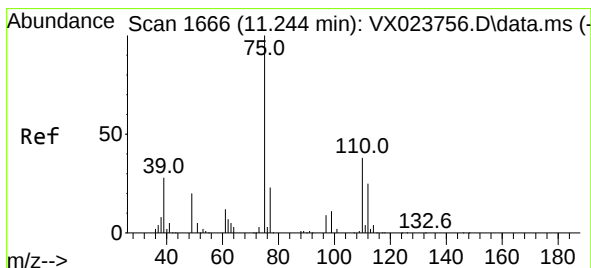
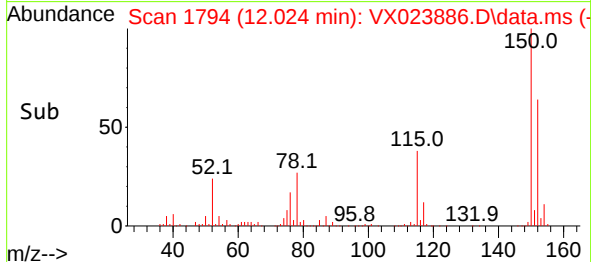
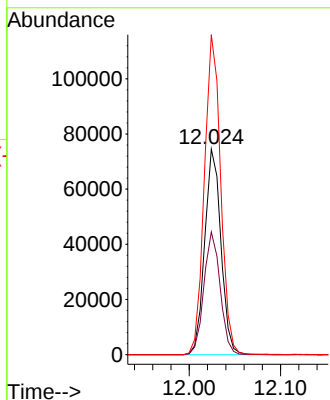
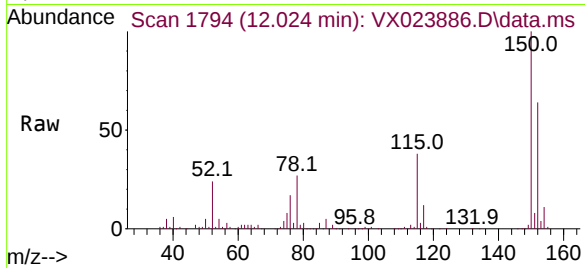




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023886.D
 Acq: 20 Aug 2021 18:44

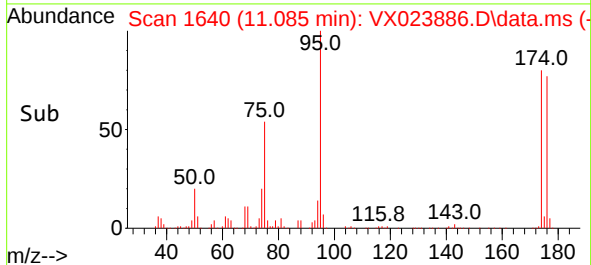
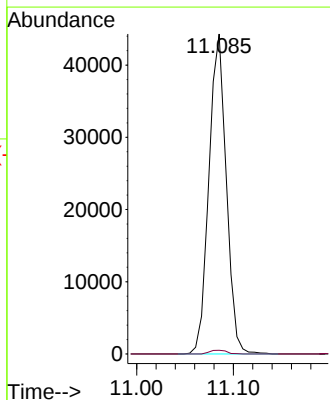
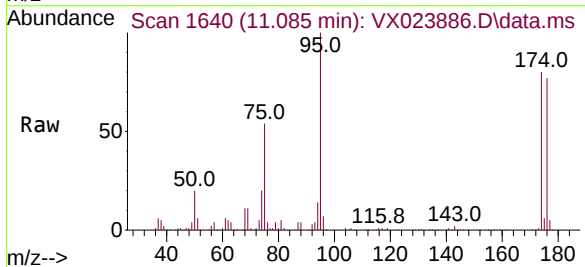
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

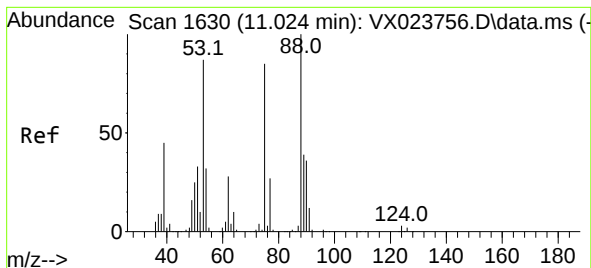
Tgt Ion:152 Resp: 91694
 Ion Ratio Lower Upper
 152 100
 115 59.8 41.1 123.3
 150 156.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.802 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023886.D
 Acq: 20 Aug 2021 18:44

Tgt Ion: 75 Resp: 55190
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

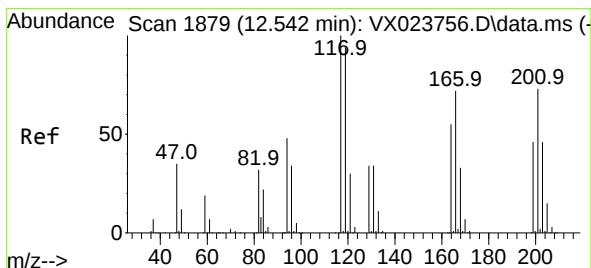
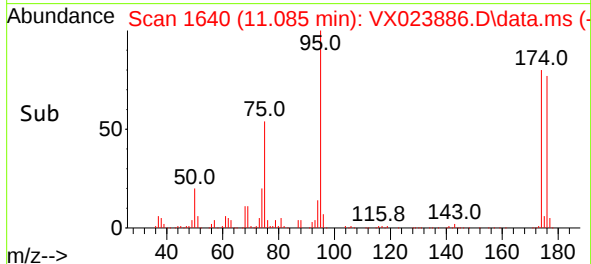
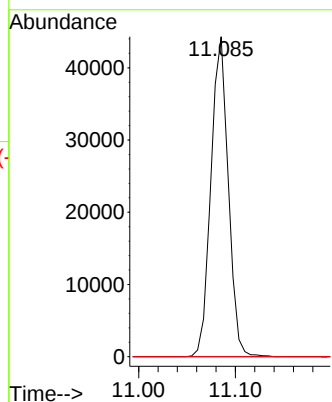
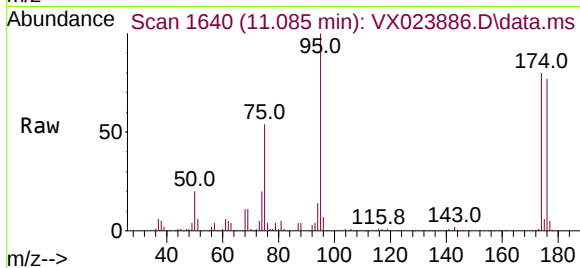




#81
trans-1,4-Dichloro-2-butene
Concen: 75.898 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

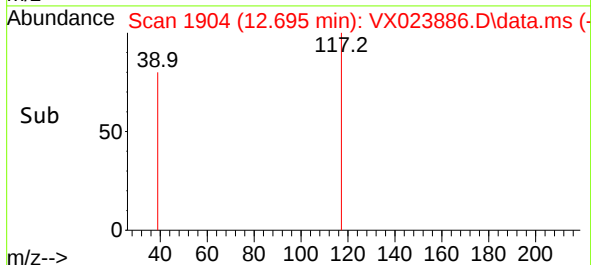
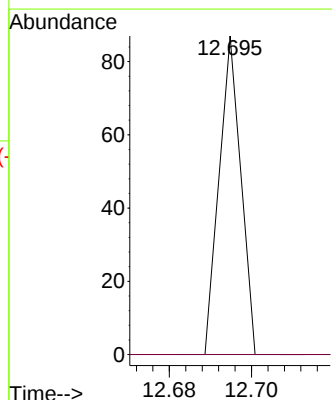
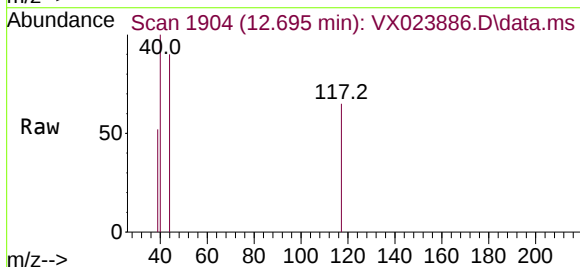
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

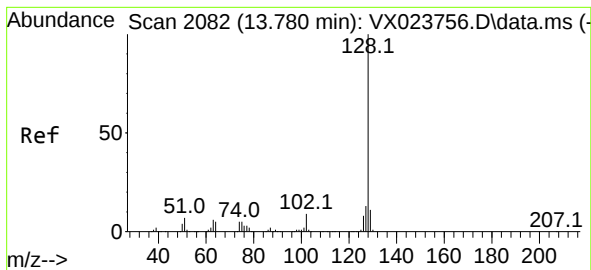
Tgt Ion: 75 Resp: 55190
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.497 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.153 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

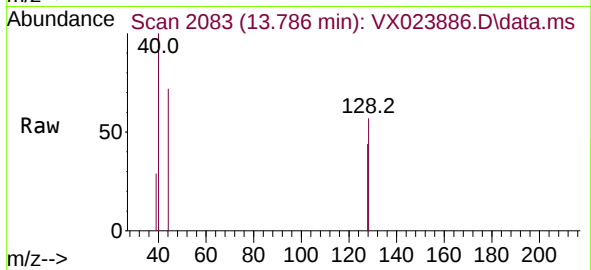
Tgt Ion: 117 Resp: 32
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.320 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023886.D
Acq: 20 Aug 2021 18:44

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



Tgt Ion:128 Resp: 258
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

