

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023884.D
 Acq On : 20 Aug 2021 17:57
 Operator : JC/MD
 Sample : M3483-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 01:14:45 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)

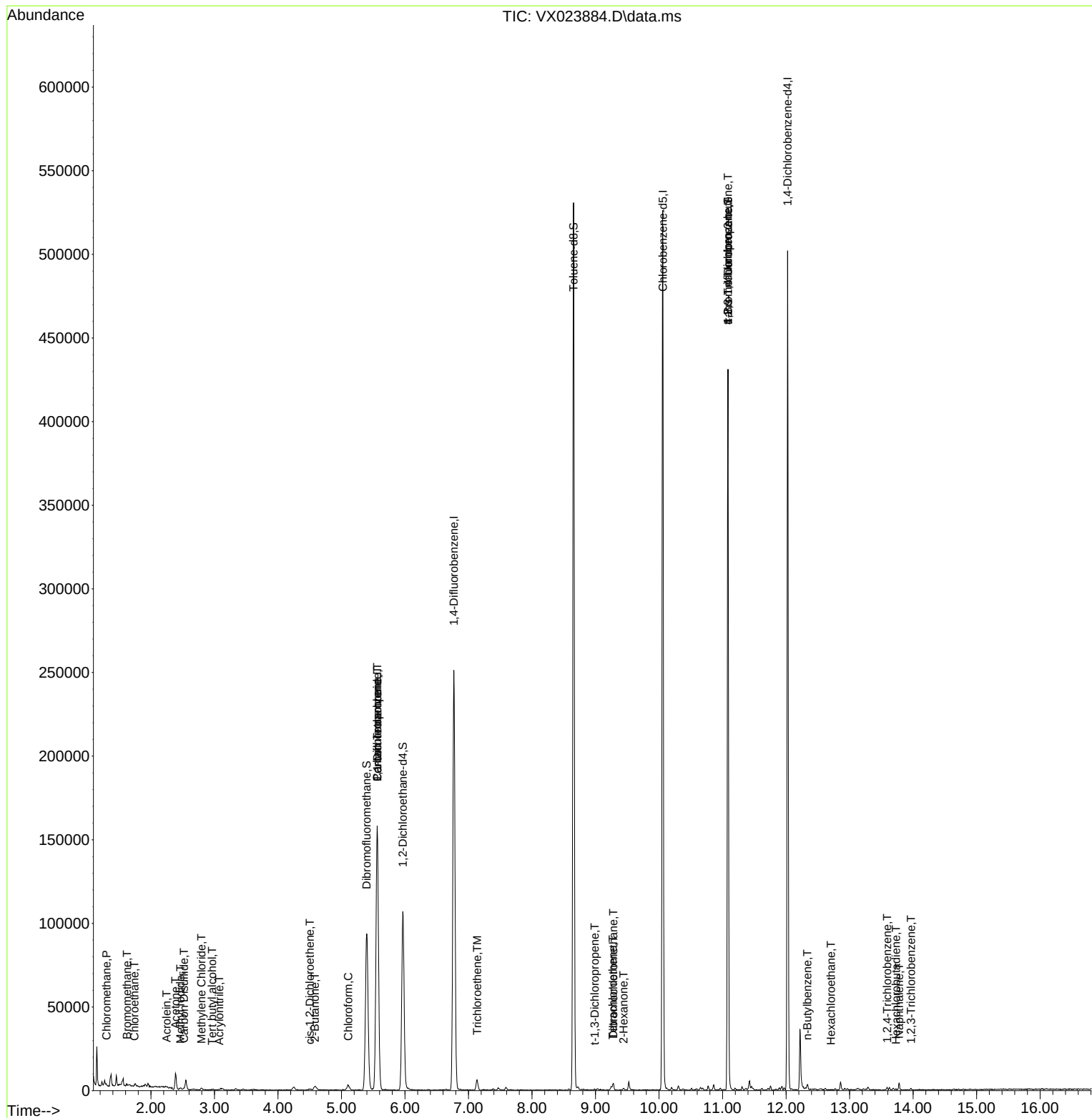
Internal Standards						
1) Pentafluorobenzene	5.562	168	147411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	252122	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	233846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104322	50.706	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.420%		
35) Dibromofluoromethane	5.397	113	81128	48.617	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.240%		
50) Toluene-d8	8.653	98	304345	47.919	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 95.840%		
62) 4-Bromofluorobenzene	11.085	95	107933	46.163	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 92.320%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	431	0.252	ug/l	94
5) Bromomethane	1.623	94	627	0.599	ug/l	91
6) Chloroethane	1.739	64	45	2.249	ug/l #	43
10) Methyl Iodide	2.465	142	1389	0.674	ug/l #	85
11) Tert butyl alcohol	2.965	59	356	0.856	ug/l #	88
13) Acrolein	2.245	56	240	0.969	ug/l #	70
15) Acrylonitrile	3.074	53	245	0.264	ug/l #	59
16) Acetone	2.386	43	9857	10.715	ug/l	95
17) Carbon Disulfide	2.520	76	1237	0.367	ug/l #	75
20) Methylene Chloride	2.794	84	446	0.254	ug/l #	82
25) 2-Butanone	4.580	43	3739	2.683	ug/l #	79
27) cis-1,2-Dichloroethene	4.501	96	483	0.269	ug/l	60
30) Chloroform	5.105	83	3505	1.145	ug/l	85
36) 1,1-Dichloropropene	5.562	75	11702	5.012	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15125	6.212	ug/l #	16
44) Trichloroethene	7.135	130	2342	1.228	ug/l	99
53) t-1,3-Dichloropropene	8.988	75	122	2.176	ug/l #	44
59) 2-Hexanone	9.439	43	780	0.350	ug/l	74
60) Dibromochloromethane	9.281	129	722	2.031	ug/l #	11
64) Tetrachloroethene	9.274	164	781	0.418	ug/l #	89
76) 1,2,3-Trichloropropane	11.085	75	57756	25.643	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57756	75.429	ug/l #	12
89) n-Butylbenzene	12.335	91	1096	0.200	ug/l	92
90) Hexachloroethane	12.707	117	105	1.562	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.591	180	415	0.217	ug/l	86
94) Hexachlorobutadiene	13.731	225	225	0.264	ug/l #	51
95) Naphthalene	13.780	128	2829	1.673	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	396	0.208	ug/l #	89

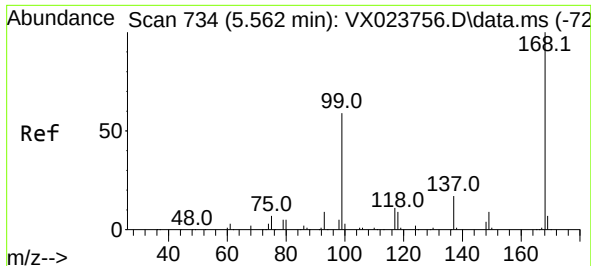
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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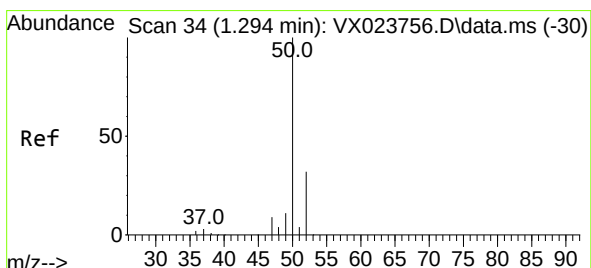
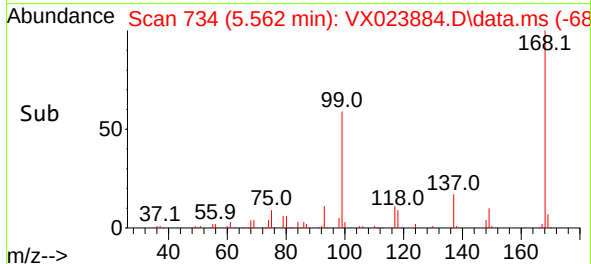
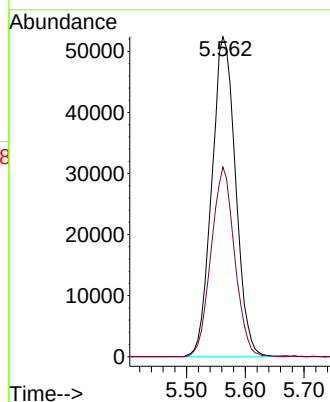
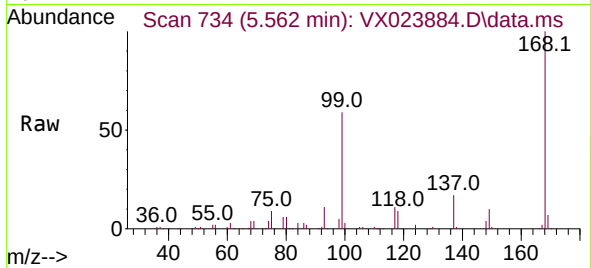




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

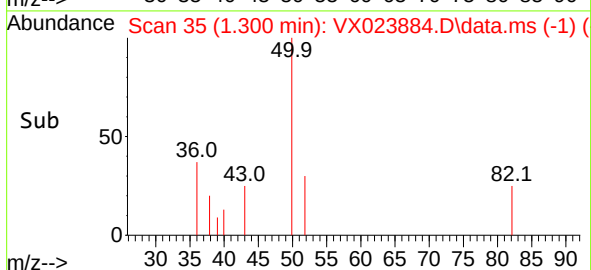
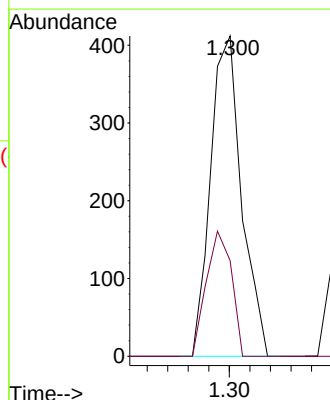
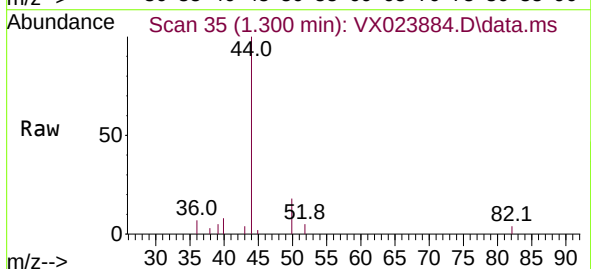
Instrument :
MSVOA_X
ClientSampled :

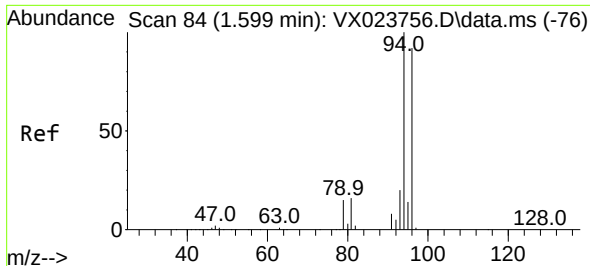
Tgt Ion:168 Resp: 147411
Ion Ratio Lower Upper
168 100
99 59.2 45.8 68.6



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 50 Resp: 431
Ion Ratio Lower Upper
50 100
52 29.9 26.4 39.6

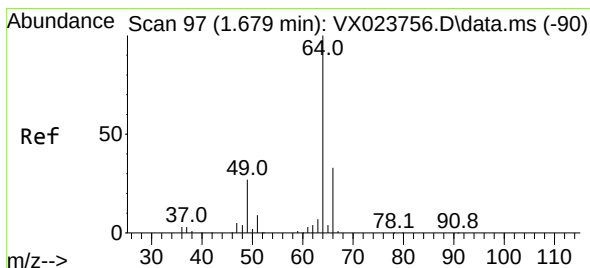
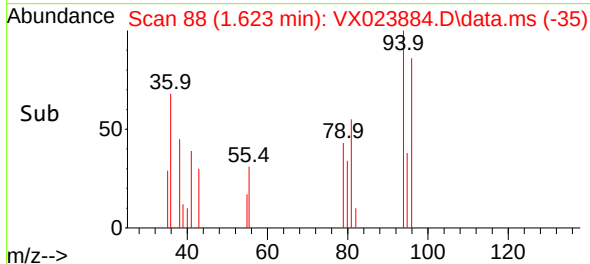
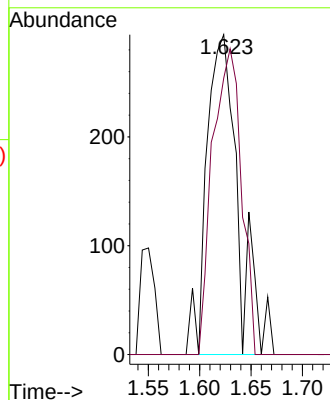
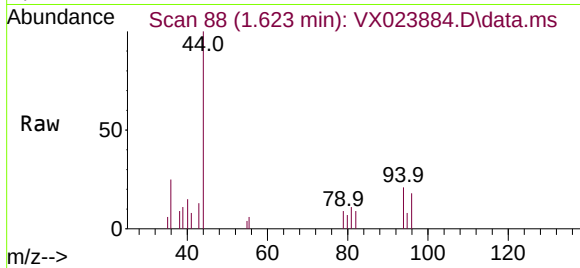




#5
Bromomethane
Concen: 0.599 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

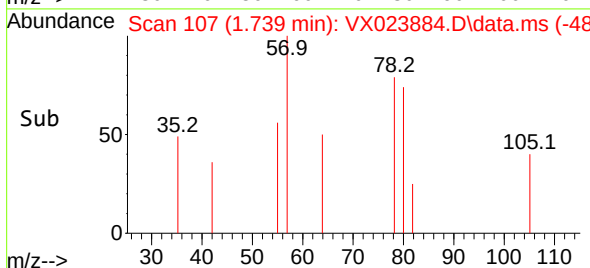
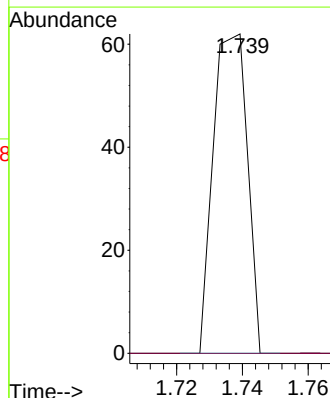
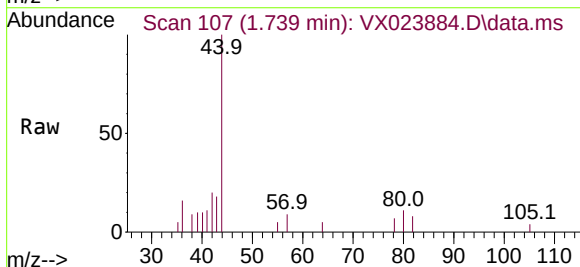
Instrument :
MSVOA_X
ClientSampled :

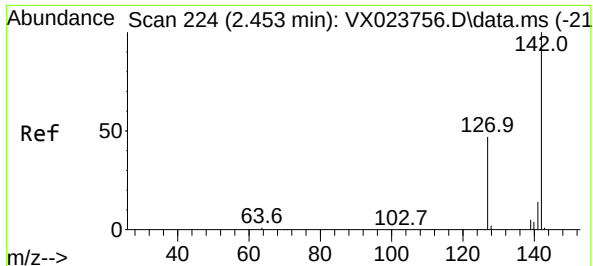
Tgt Ion: 94 Resp: 627
Ion Ratio Lower Upper
94 100
96 86.4 76.4 114.6



#6
Chloroethane
Concen: 2.249 ug/l
RT: 1.739 min Scan# 107
Delta R.T. 0.060 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

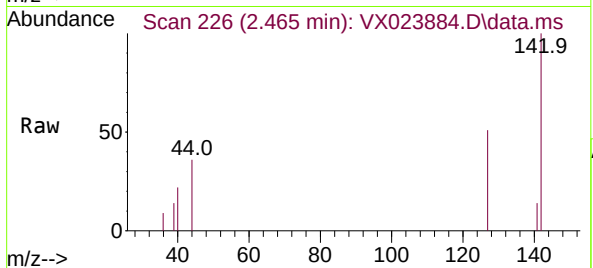
Tgt Ion: 64 Resp: 45
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



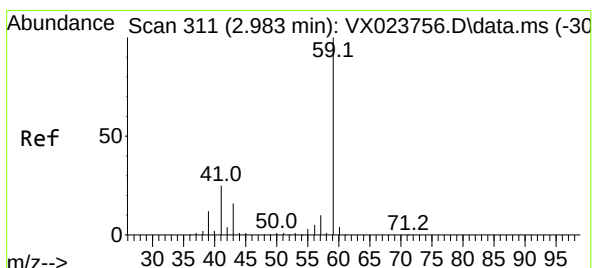
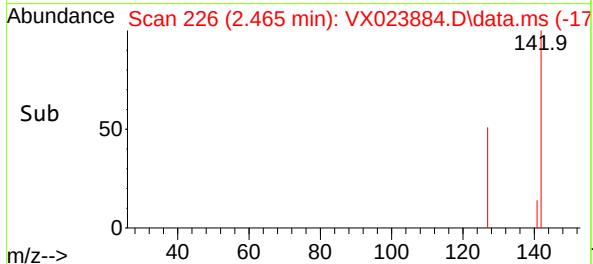
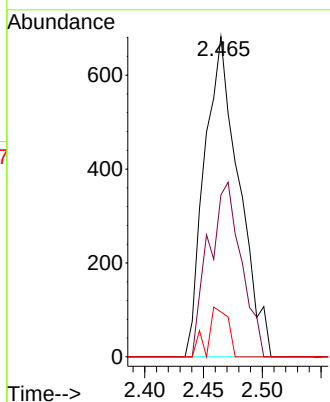


#10
Methyl Iodide
Concen: 0.674 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Instrument :
MSVOA_X
ClientSampled :

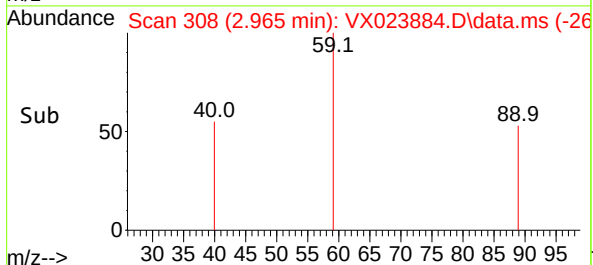
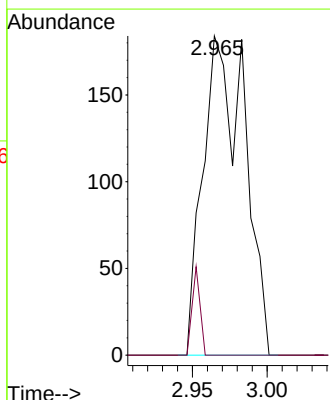
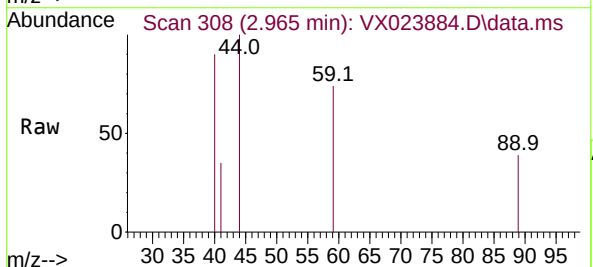


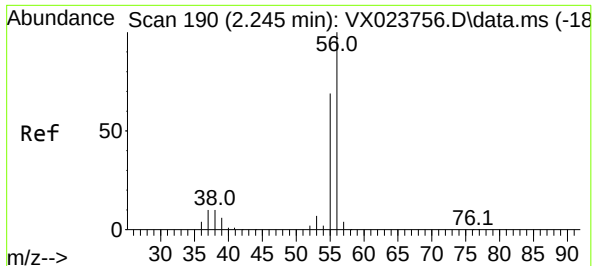
Tgt Ion:142 Resp: 1389
Ion Ratio Lower Upper
142 100
127 51.9 33.3 49.9#
141 9.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.856 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 59 Resp: 356
Ion Ratio Lower Upper
59 100
57 5.3 7.8 11.8#

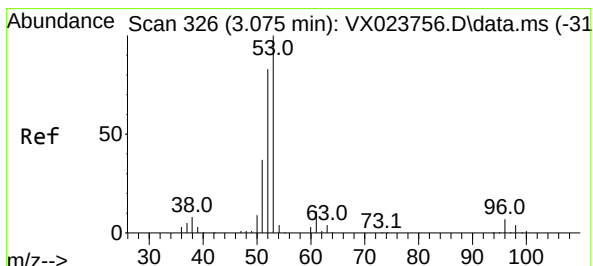
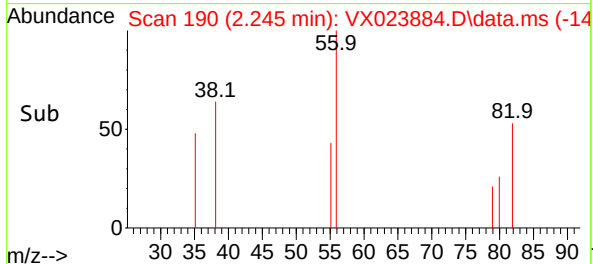
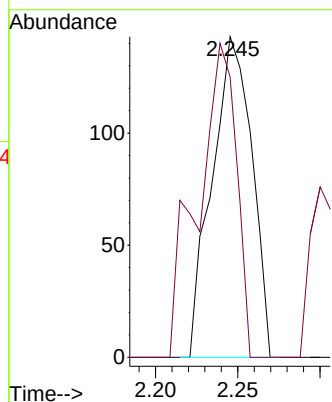
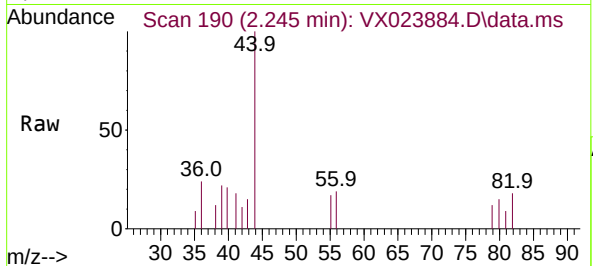




#13
Acrolein
Concen: 0.969 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

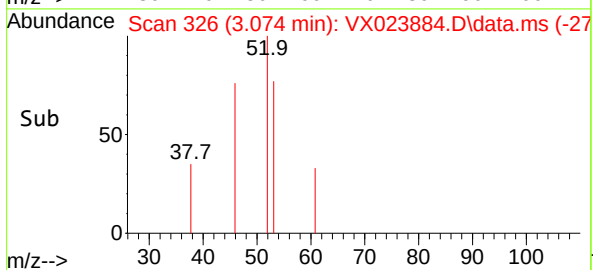
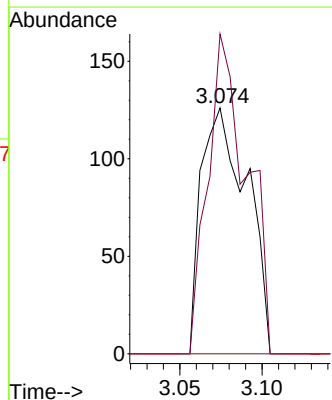
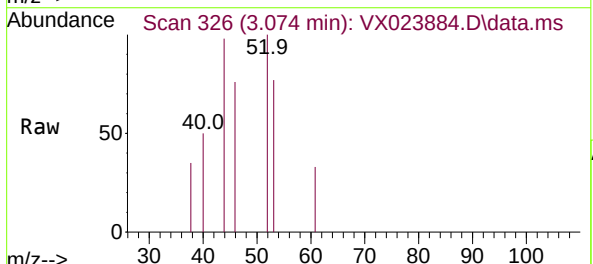
Instrument :
MSVOA_X
ClientSampled :

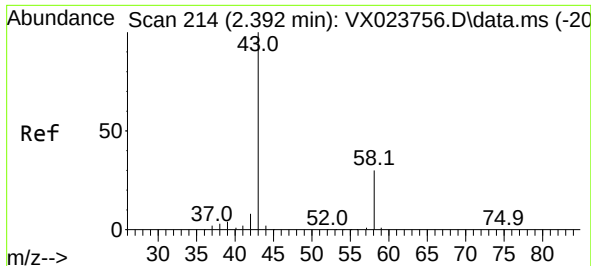
Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 95.4 56.4 84.6#



#15
Acrylonitrile
Concen: 0.264 ug/l
RT: 3.074 min Scan# 326
Delta R.T. -0.001 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 53 Resp: 245
Ion Ratio Lower Upper
53 100
52 110.2 65.3 97.9#
51 0.0 28.2 42.2#

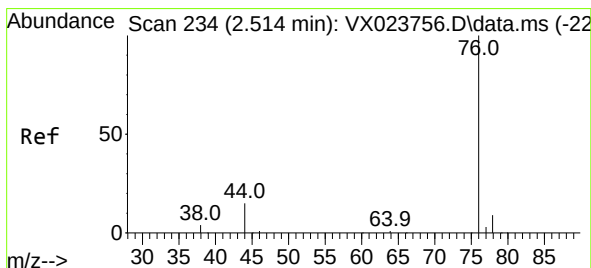
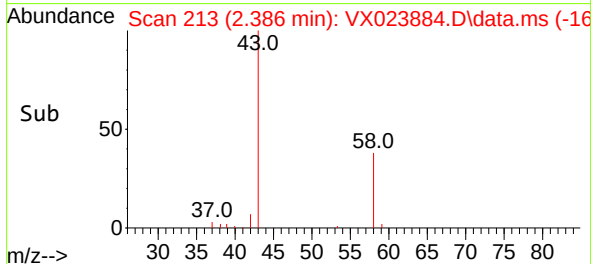
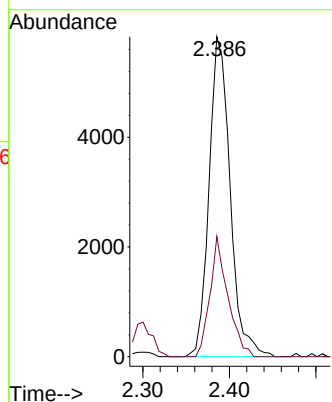
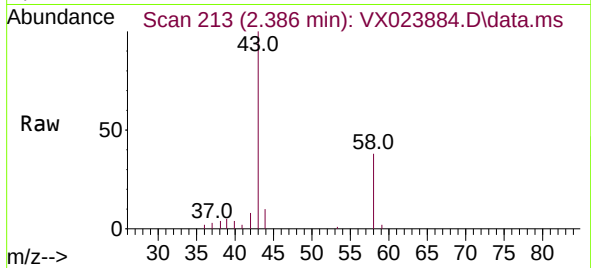




#16
Acetone
Concen: 10.715 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

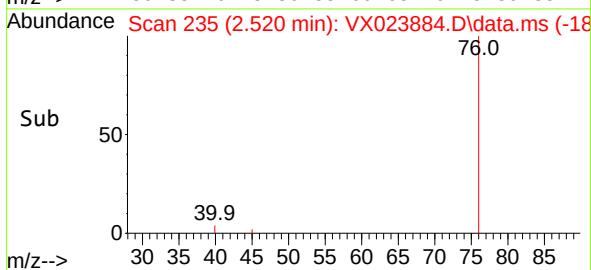
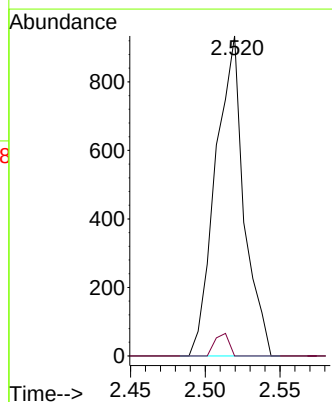
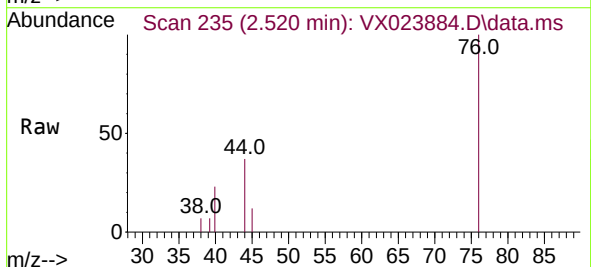
Instrument :
MSVOA_X
ClientSampled :

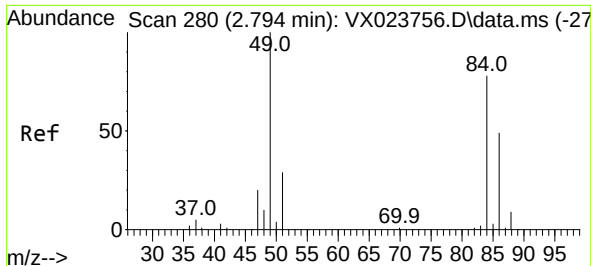
Tgt Ion: 43 Resp: 9857
Ion Ratio Lower Upper
43 100
58 37.5 27.8 41.8



#17
Carbon Disulfide
Concen: 0.367 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 76 Resp: 1237
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

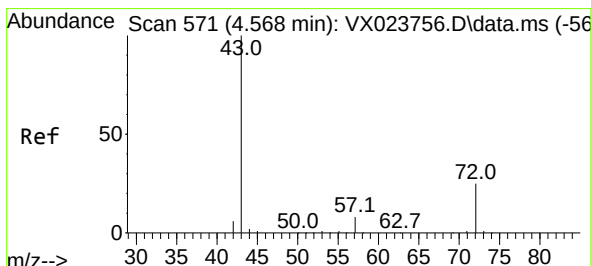
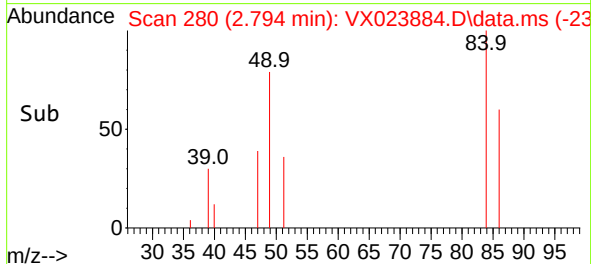
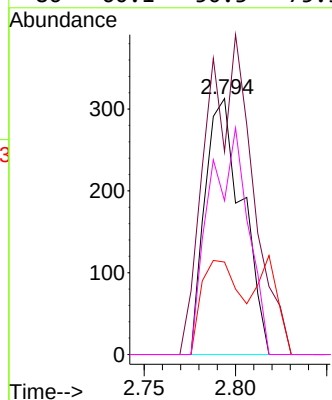
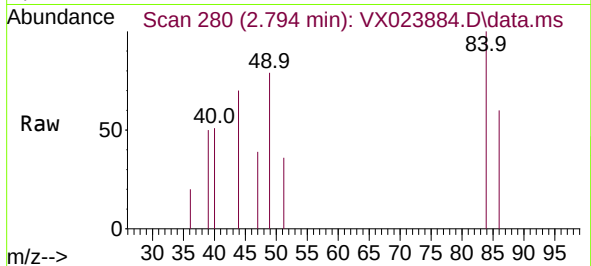




#20
Methylene Chloride
Concen: 0.254 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

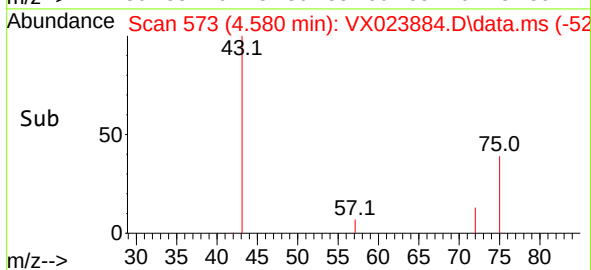
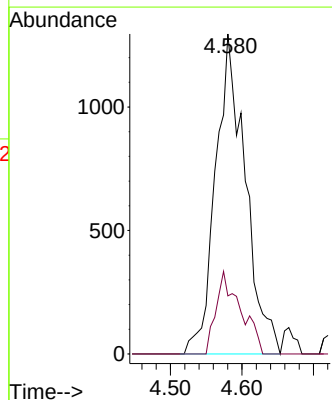
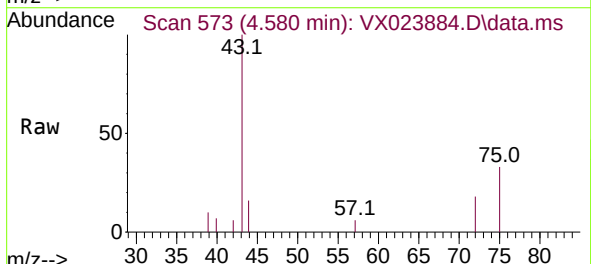
Instrument :
MSVOA_X
ClientSampled :

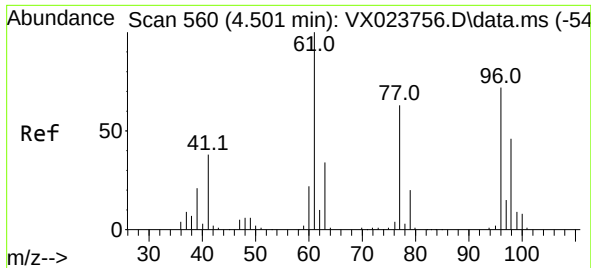
Tgt Ion: 84	Resp: 446		
Ion	Ratio	Lower	Upper
84	100		
49	79.2	88.6	132.8#
51	36.1	27.0	40.6
86	60.1	50.3	75.5



#25
2-Butanone
Concen: 2.683 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 43	Resp: 3739		
Ion Ratio	Lower	Upper	
43 100			
72 18.1	23.7	35.5#	





#27

cis-1,2-Dichloroethene

Concen: 0.269 ug/l

RT: 4.501 min Scan# 560

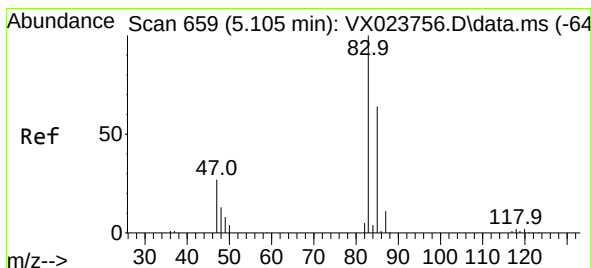
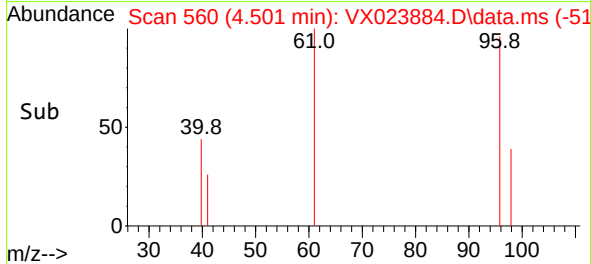
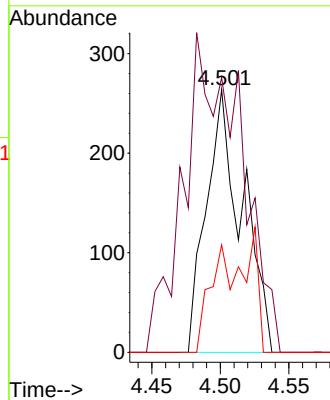
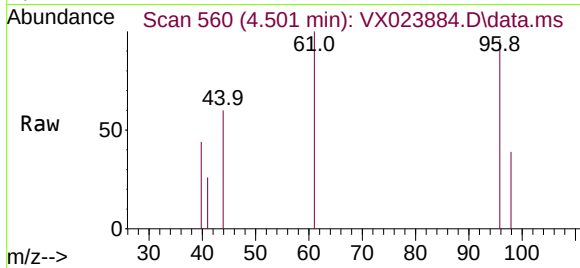
Delta R.T. -0.000 min

Lab File: VX023884.D

Acq: 20 Aug 2021 17:57

Tgt Ion: 96 Resp: 483

Ion	Ratio	Lower	Upper
96	100		
61	101.7	0.0	285.6
98	22.8	0.0	129.6



#30

Chloroform

Concen: 1.145 ug/l

RT: 5.105 min Scan# 659

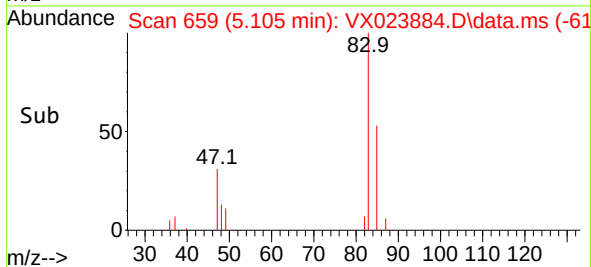
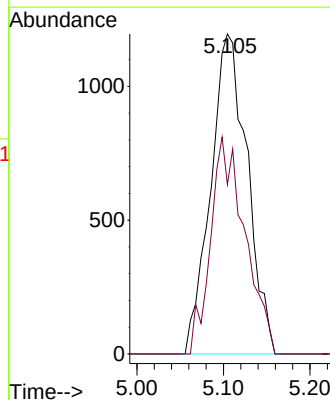
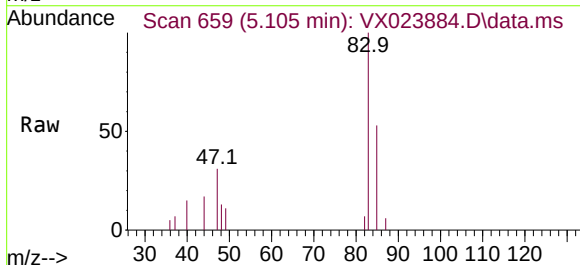
Delta R.T. -0.000 min

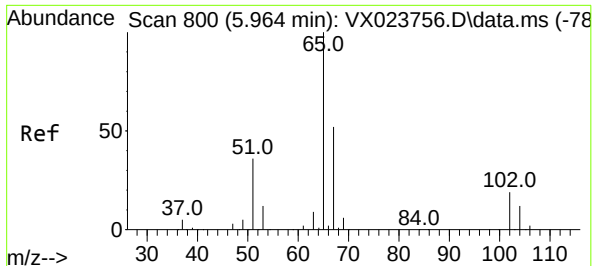
Lab File: VX023884.D

Acq: 20 Aug 2021 17:57

Tgt Ion: 83 Resp: 3505

Ion	Ratio	Lower	Upper
83	100		
85	52.9	52.0	78.0





#33

1,2-Dichloroethane-d4

Concen: 50.706 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023884.D

Acq: 20 Aug 2021 17:57

Tgt Ion: 65 Resp: 104322

Ion Ratio Lower Upper

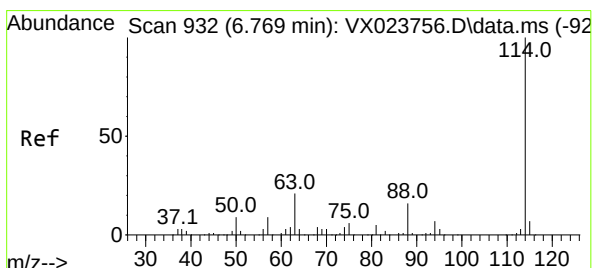
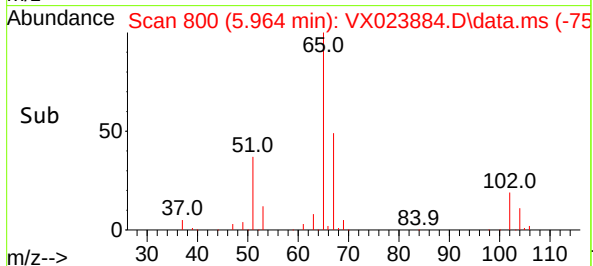
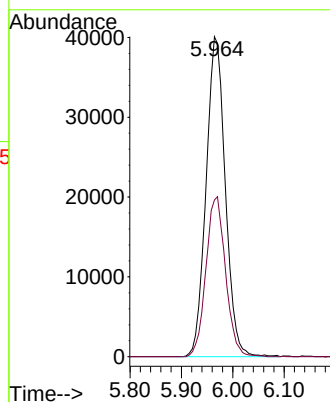
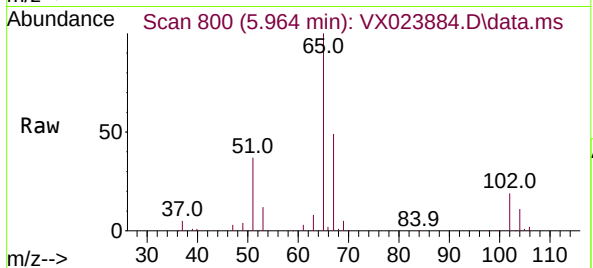
65 100

67 50.9 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023884.D

Acq: 20 Aug 2021 17:57

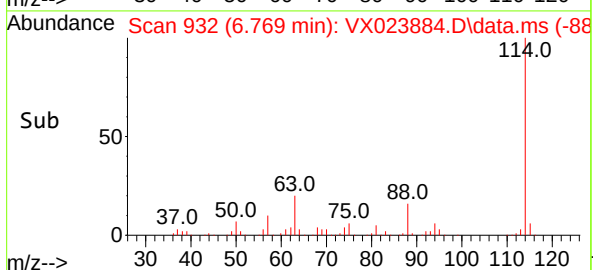
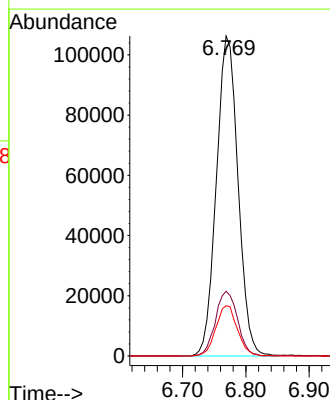
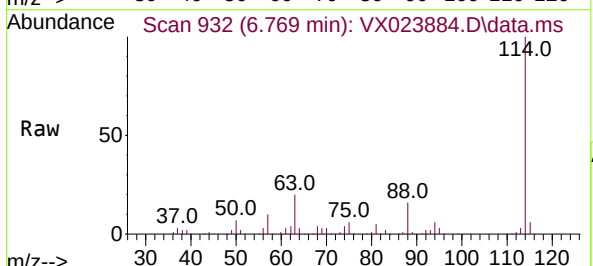
Tgt Ion: 114 Resp: 252122

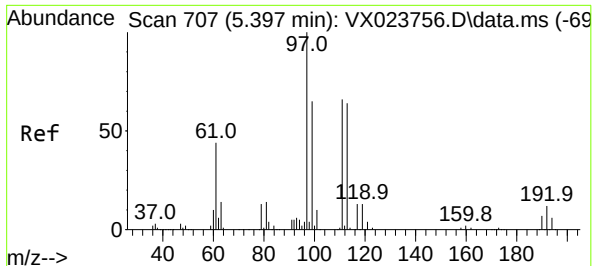
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.617 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023884.D

Acq: 20 Aug 2021 17:57

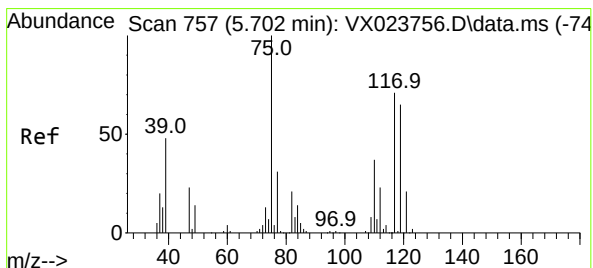
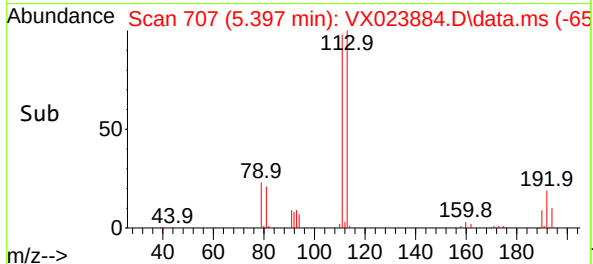
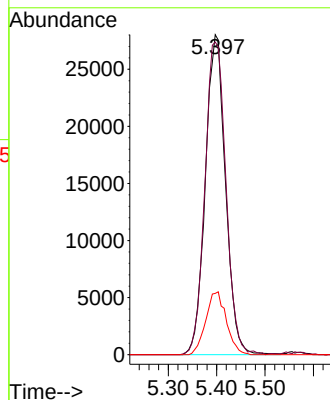
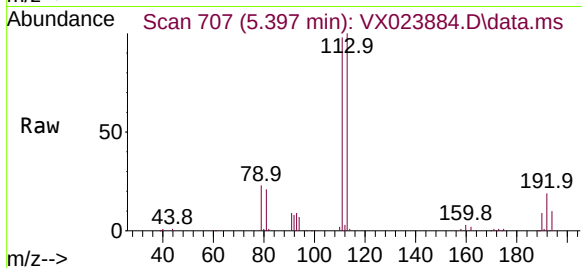
Tgt Ion:113 Resp: 81128

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 20.1 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.012 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023884.D

Acq: 20 Aug 2021 17:57

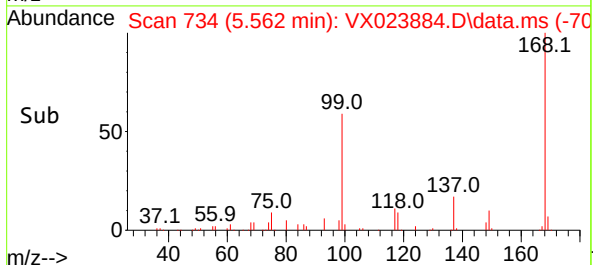
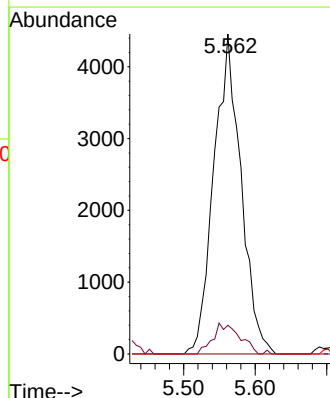
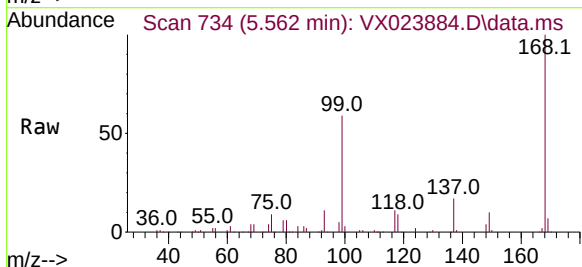
Tgt Ion: 75 Resp: 11702

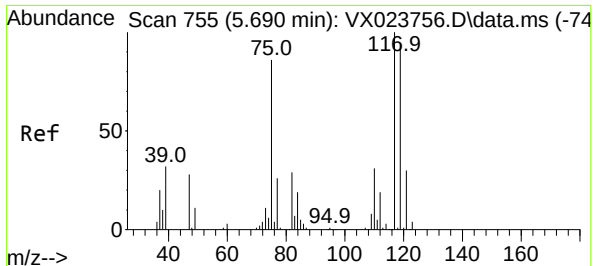
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

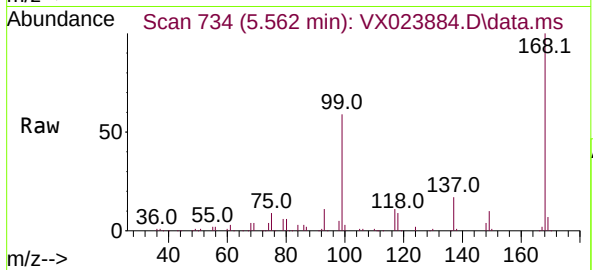
77 0.0 25.3 37.9#



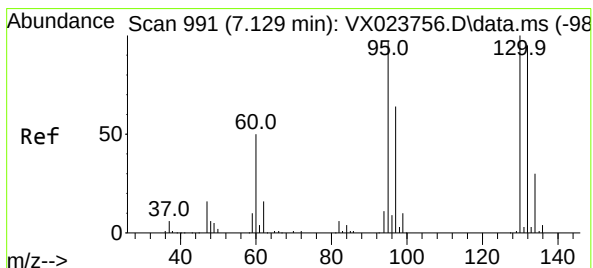
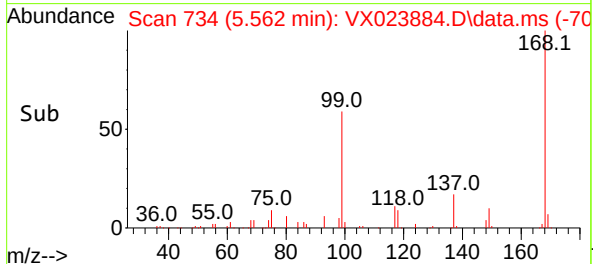
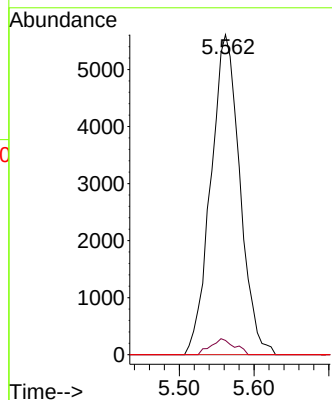


#38
Carbon Tetrachloride
Concen: 6.212 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Instrument :
MSVOA_X
ClientSampled :

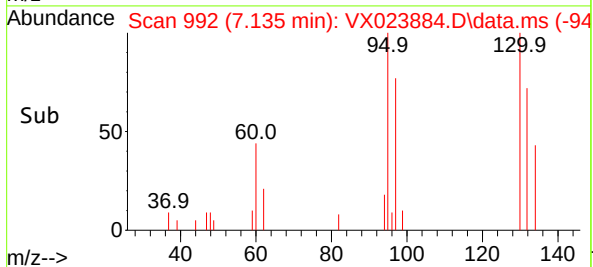
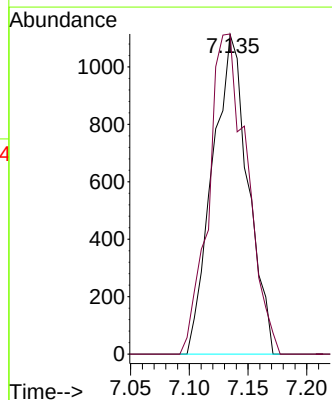
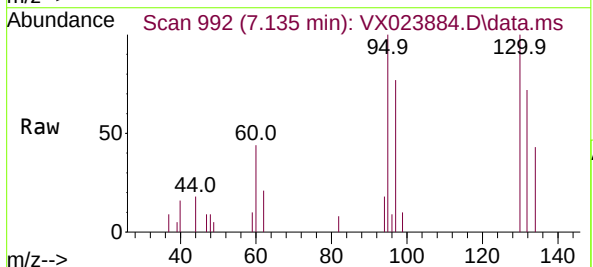


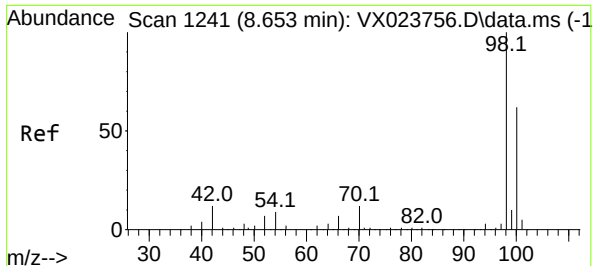
Tgt Ion:117 Resp: 15125
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 1.228 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion:130 Resp: 2342
Ion Ratio Lower Upper
130 100
95 100.2 0.0 198.0

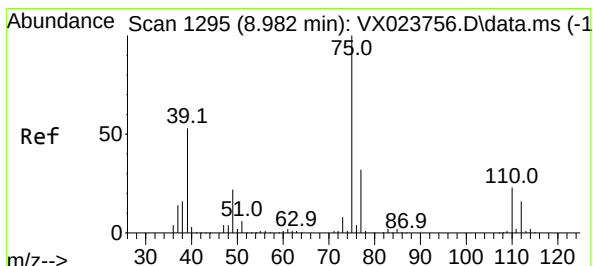
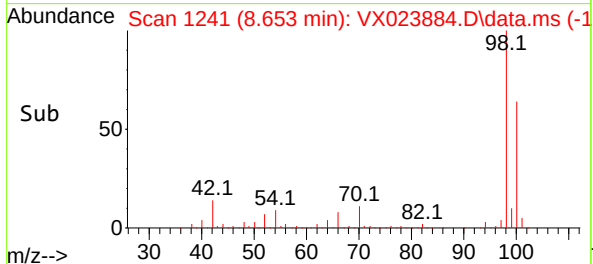
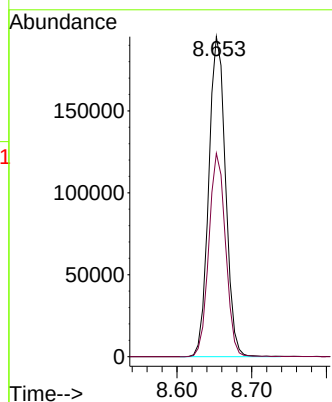
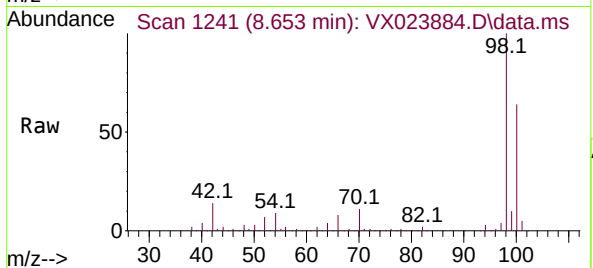




#50
Toluene-d8
Concen: 47.919 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

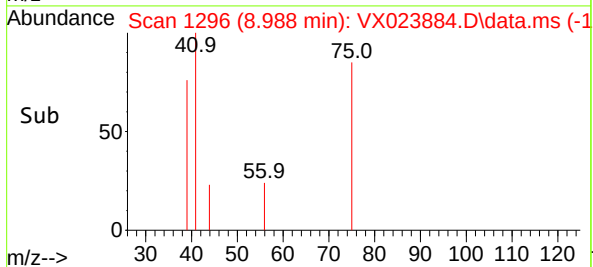
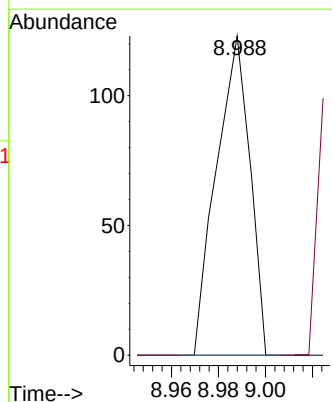
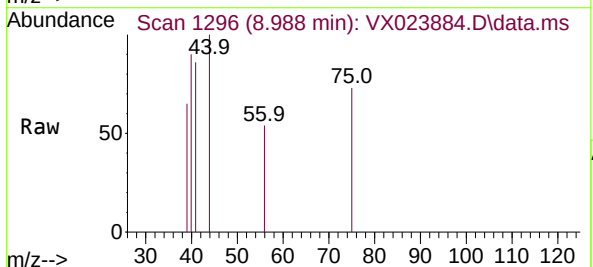
Instrument :
MSVOA_X
ClientSampled :

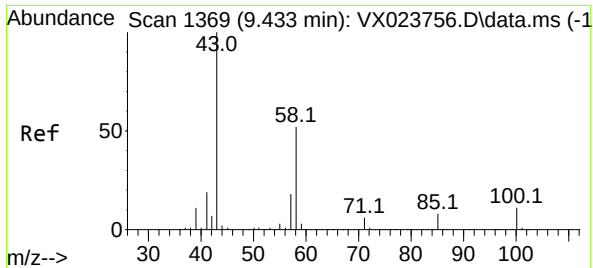
Tgt Ion: 98 Resp: 304345
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.176 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 75 Resp: 122
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

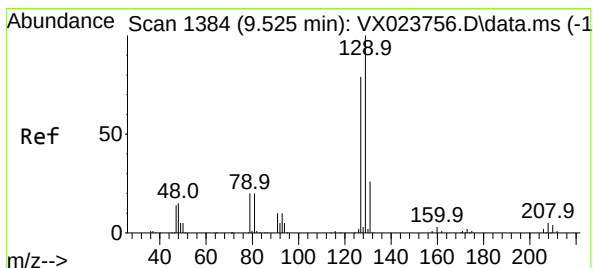
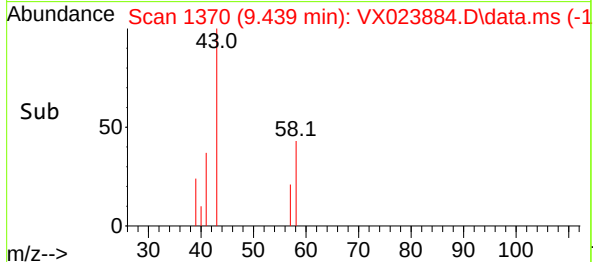
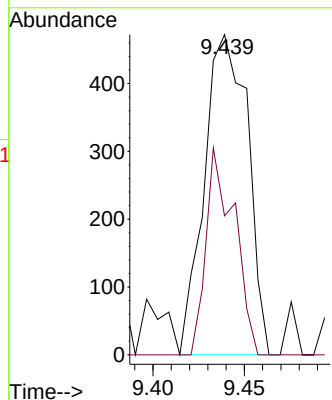
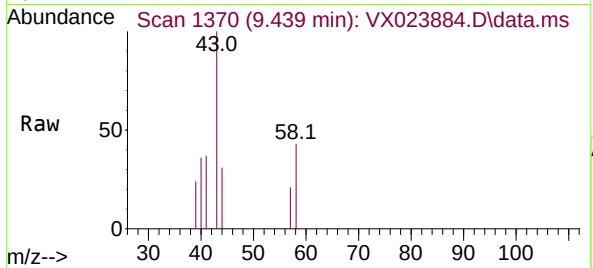




#59
2-Hexanone
Concen: 0.350 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

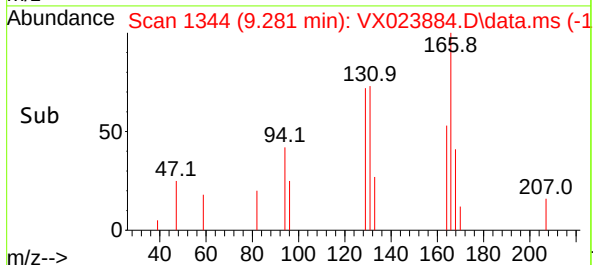
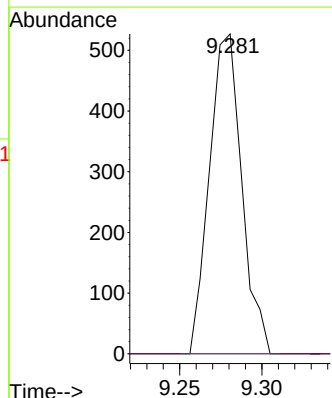
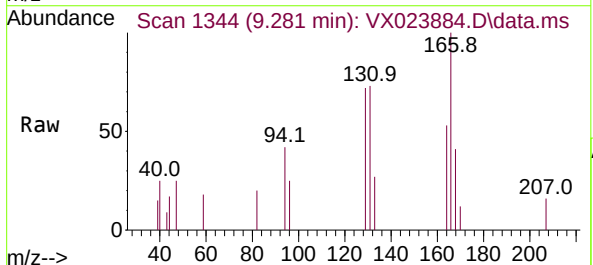
Instrument :
MSVOA_X
ClientSampled :

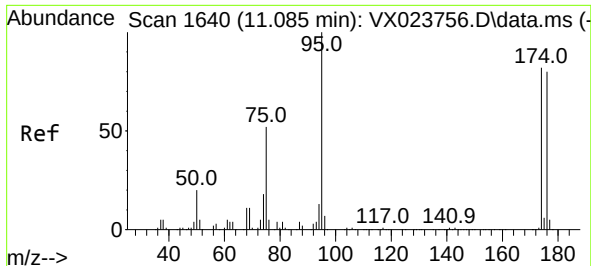
Tgt Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
58 42.2 30.9 92.8



#60
Dibromochloromethane
Concen: 2.031 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 129 Resp: 722
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

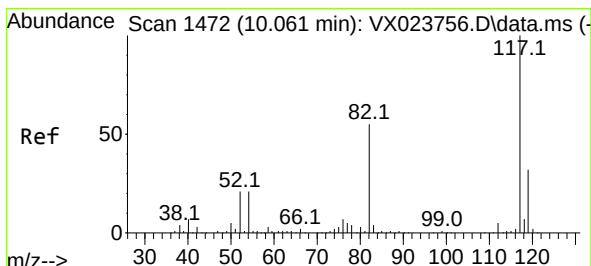
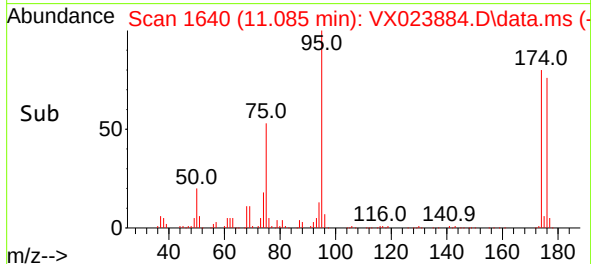
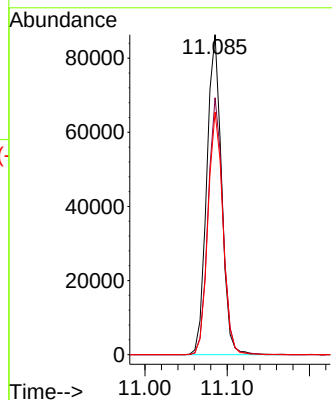
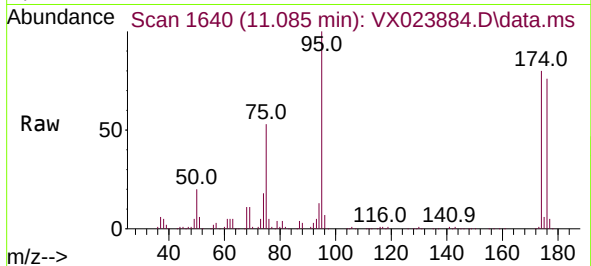




#62
4-Bromofluorobenzene
Concen: 46.163 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

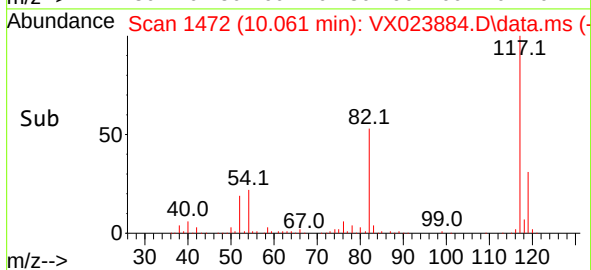
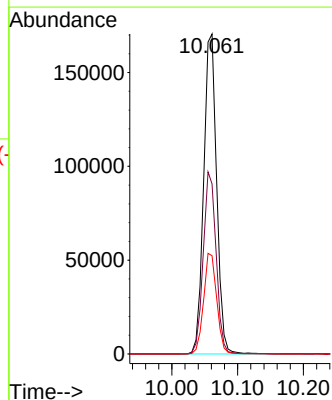
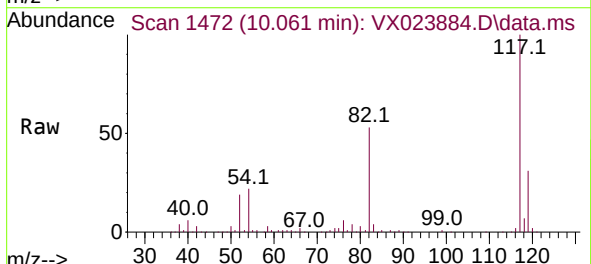
Instrument :
MSVOA_X
ClientSampled :

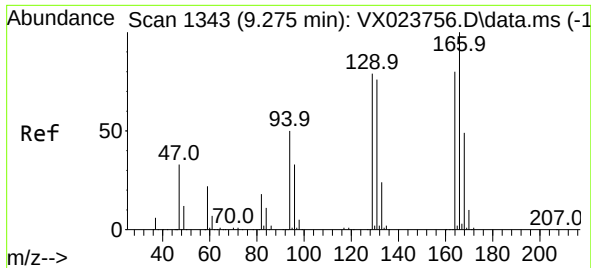
Tgt Ion: 95 Resp: 107933
Ion Ratio Lower Upper
95 100
174 80.2 0.0 154.6
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 117 Resp: 233846
Ion Ratio Lower Upper
117 100
82 53.1 47.4 71.2
119 30.7 26.6 39.8



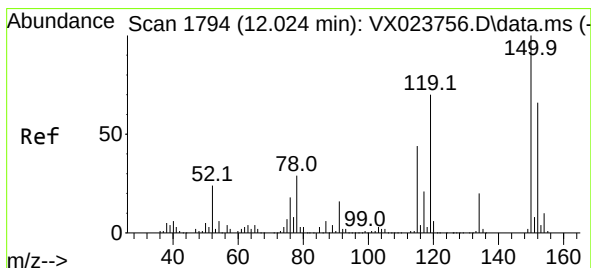
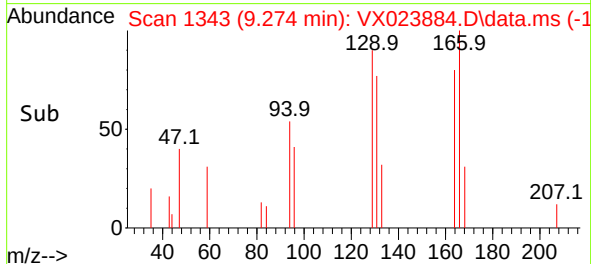
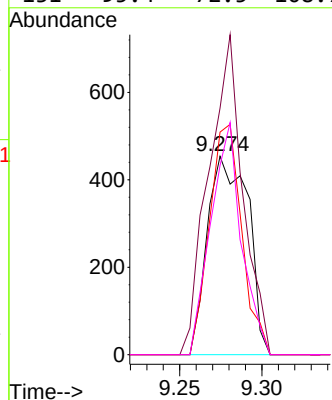
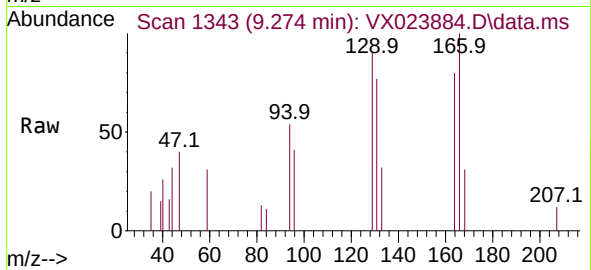


#64
Tetrachloroethene
Concen: 0.418 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:164 Resp: 781

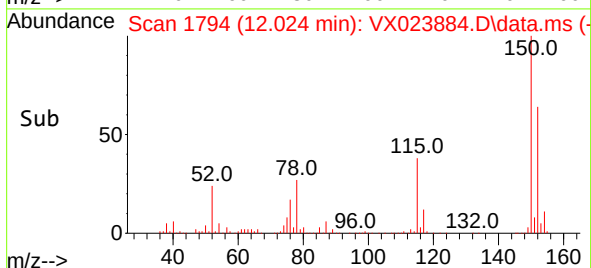
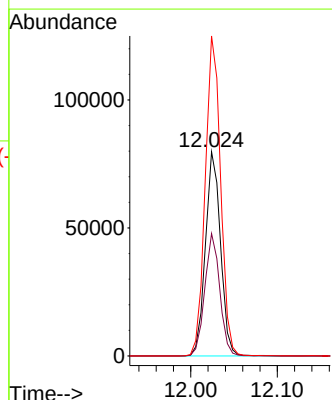
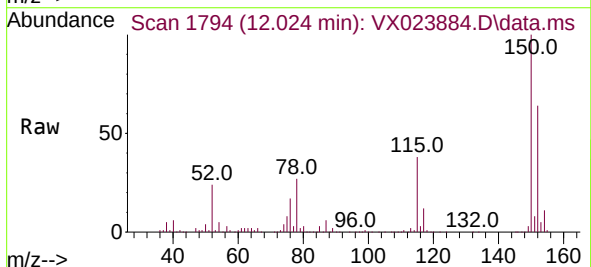
Ion	Ratio	Lower	Upper
164	100		
166	124.2	103.4	155.2
129	112.1	70.8	106.2#
131	95.4	72.5	108.7

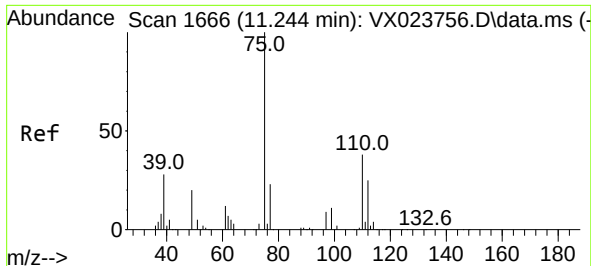


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion:152 Resp: 96554

Ion	Ratio	Lower	Upper
152	100		
115	59.5	41.1	123.3
150	159.4	0.0	349.0

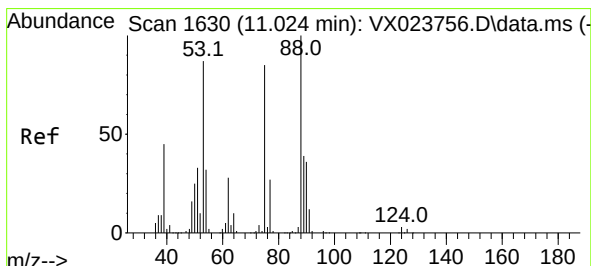
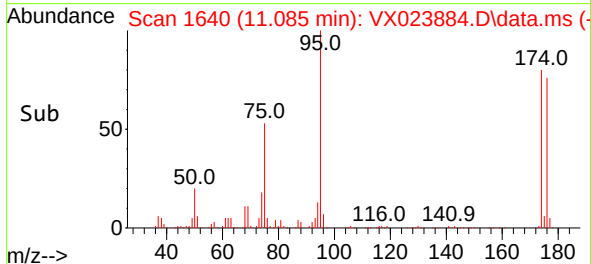
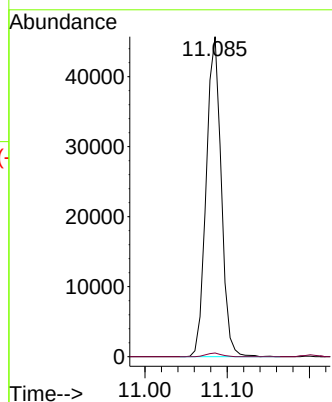
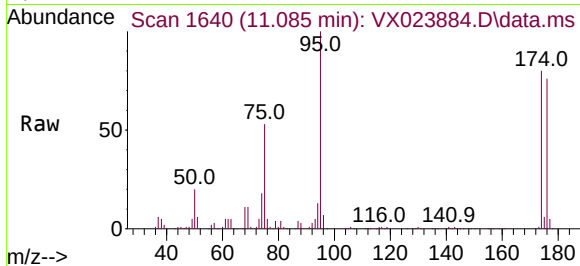




#76
1,2,3-Trichloropropane
Concen: 25.643 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

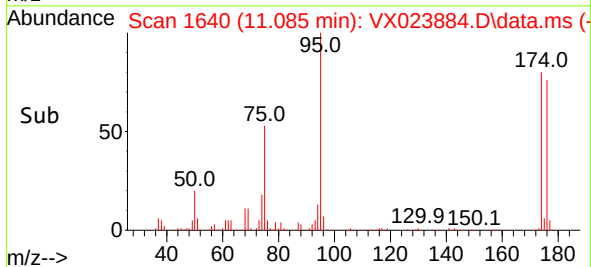
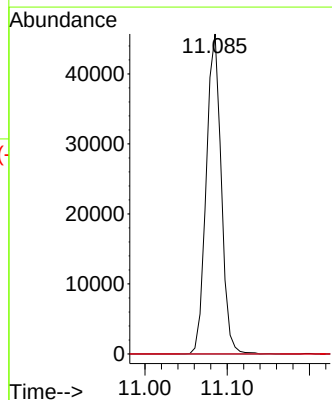
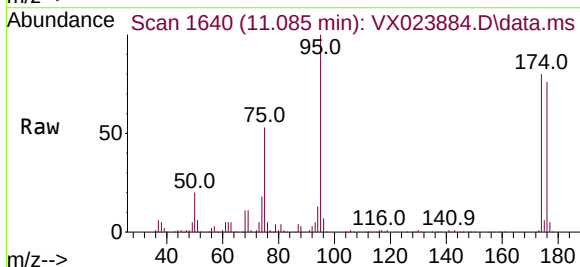
Instrument :
MSVOA_X
ClientSampled :

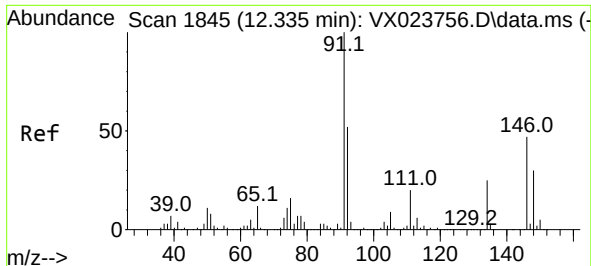
Tgt Ion: 75 Resp: 57756
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.429 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 75 Resp: 57756
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

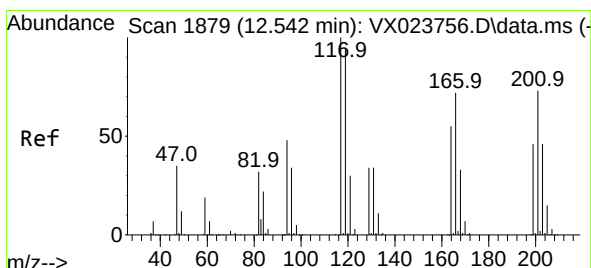
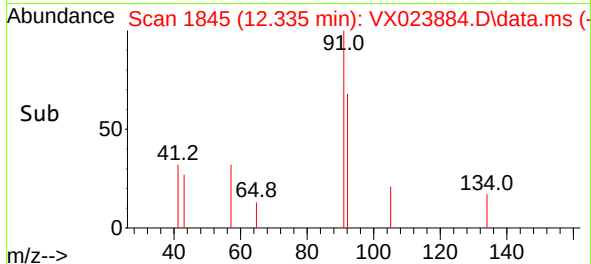
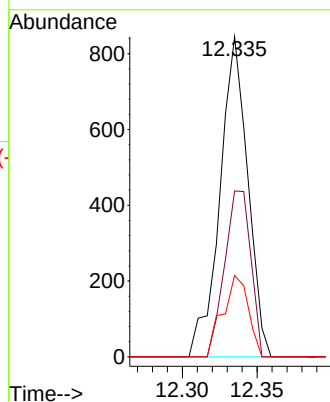
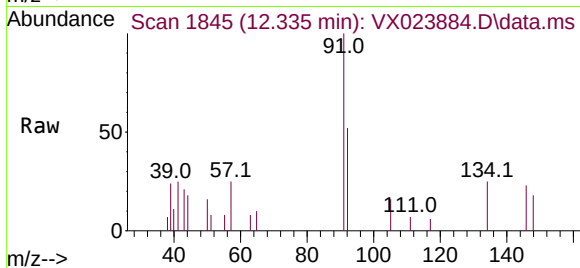




#89
n-Butylbenzene
Concen: 0.200 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

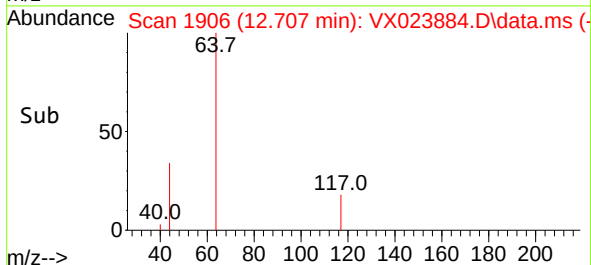
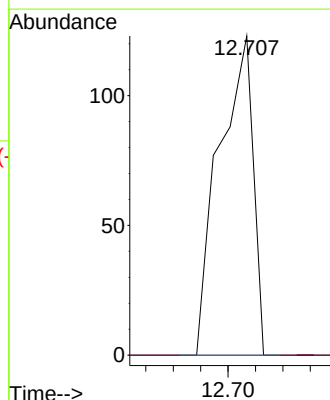
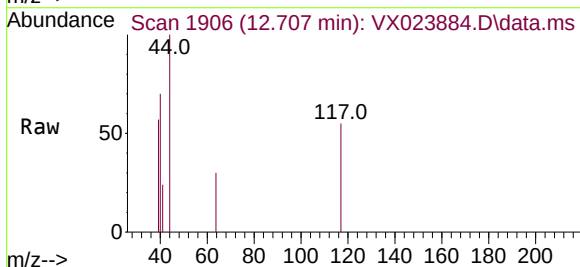
Instrument :
MSVOA_X
ClientSampled :

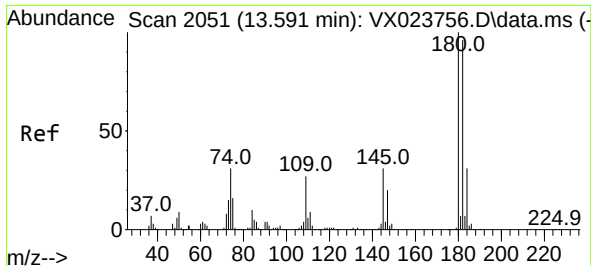
Tgt Ion: 91	Resp:	1096
Ion Ratio	Lower	Upper
91	100	
92	48.4	27.4 82.0
134	23.3	13.2 39.5



#90
Hexachloroethane
Concen: 1.562 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. 0.165 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion: 117	Resp:	105
Ion Ratio	Lower	Upper
117	100	
201	0.0	40.4 121.2#

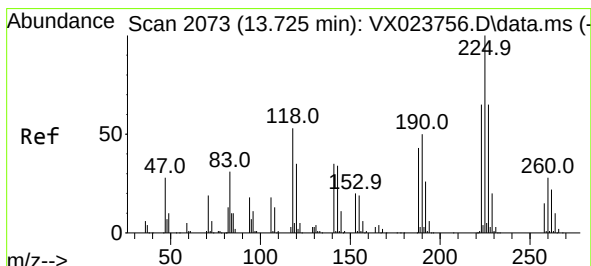
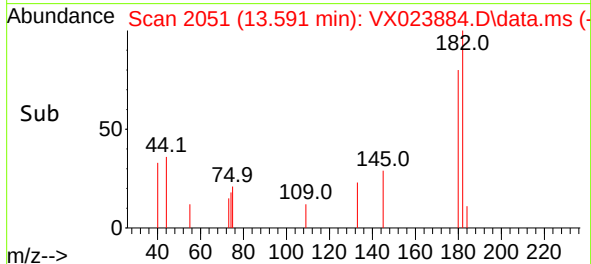
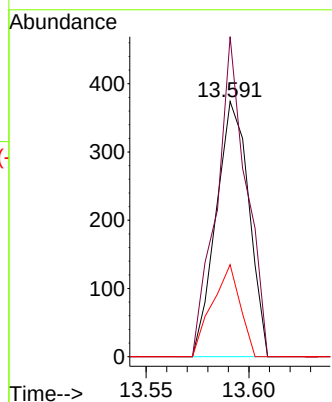
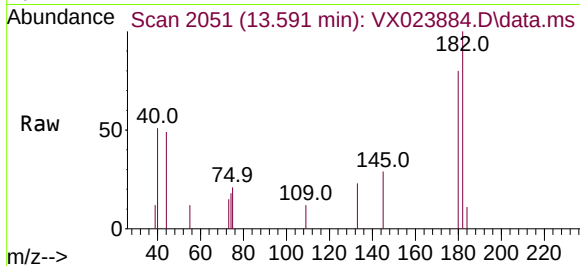




#93
1,2,4-Trichlorobenzene
Concen: 0.217 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

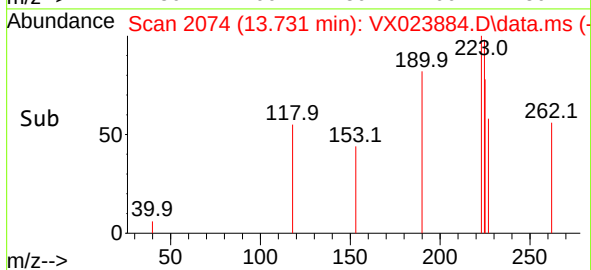
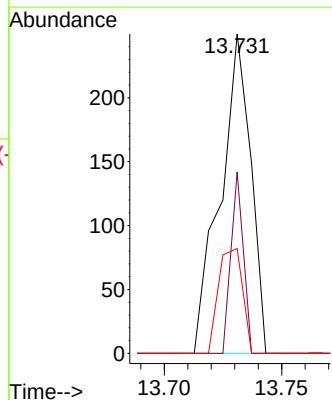
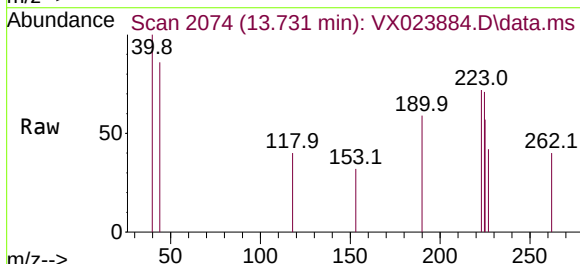
Instrument :
MSVOA_X
ClientSampled :

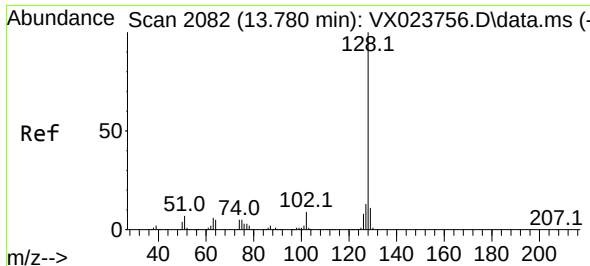
Tgt Ion:	180	Resp:	415
Ion Ratio	Lower	Upper	
180	100		
182	113.3	47.7	143.1
145	30.8	15.0	45.0



#94
Hexachlorobutadiene
Concen: 0.264 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion:	225	Resp:	225
Ion Ratio	Lower	Upper	
225	100		
223	23.1	31.1	93.2#
227	25.8	31.6	95.0#

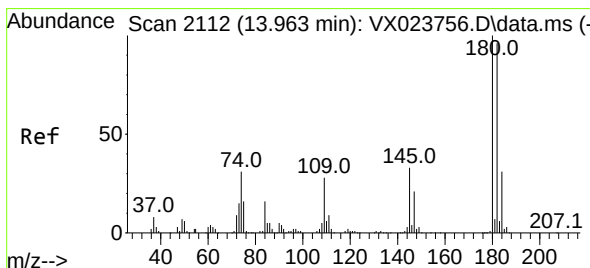
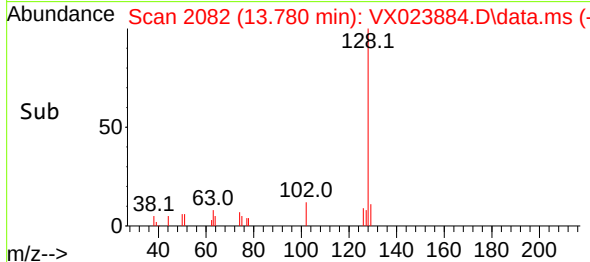
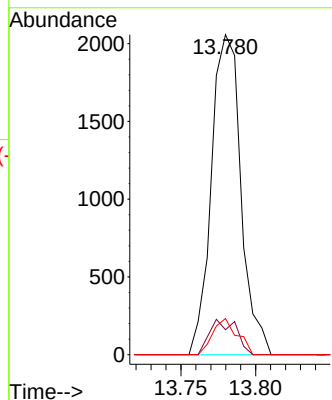
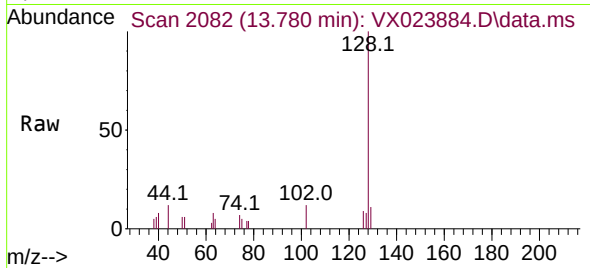




#95
Naphthalene
Concen: 1.673 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:128 Resp: 2829
Ion Ratio Lower Upper
128 100
127 9.9 10.3 15.5#
129 9.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.208 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX023884.D
Acq: 20 Aug 2021 17:57

Tgt Ion:180 Resp: 396
Ion Ratio Lower Upper
180 100
182 91.2 47.6 142.9
145 15.7 16.1 48.3#

