

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\Not Reviewed Data\
 Data File : VX023813.D
 Acq On : 18 Aug 2021 13:52
 Operator : JC/MD
 Sample : M3433-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 17:16:05 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	132635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94433	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	95133	51.391	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.780%	
35) Dibromofluoromethane	5.404	113	74520	48.644	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.280%	
50) Toluene-d8	8.653	98	283045	48.544	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.080%	
62) 4-Bromofluorobenzene	11.085	95	100909	47.012	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.020%	

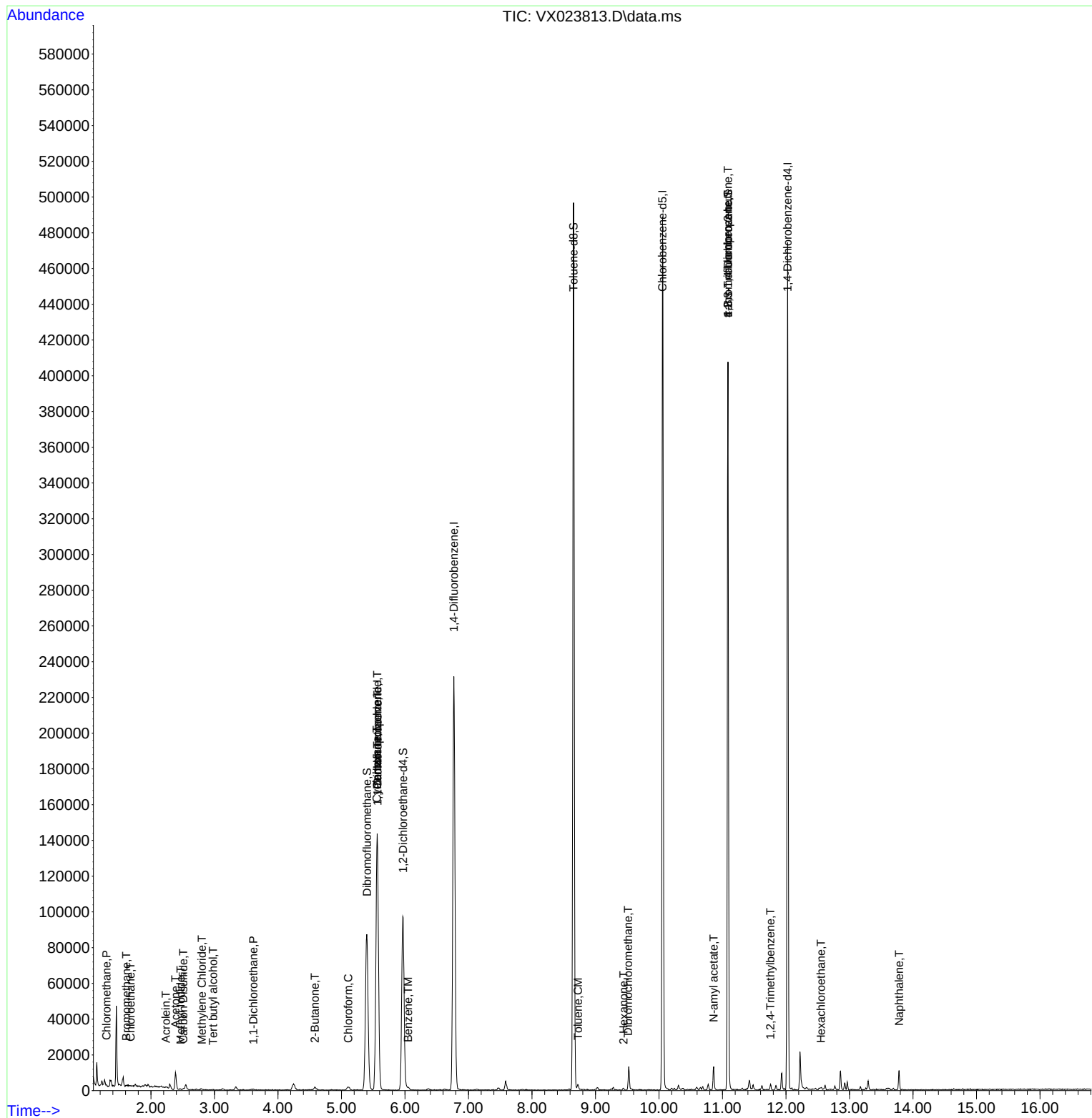
Target Compounds				Qvalue		
3) Chloromethane	1.301	50	345	0.225	ug/l #	57
5) Bromomethane	1.612	94	525	0.557	ug/l #	41
6) Chloroethane	1.679	64	44	2.251	ug/l #	43
10) Methyl Iodide	2.465	142	544	0.293	ug/l #	84
11) Tert butyl alcohol	2.977	59	229	0.612	ug/l #	73
13) Acrolein	2.233	56	127	0.570	ug/l #	7
16) Acetone	2.386	43	10120	12.227	ug/l #	84
17) Carbon Disulfide	2.508	76	842	0.277	ug/l	97
20) Methylene Chloride	2.800	84	324	0.205	ug/l #	84
24) 1,1-Dichloroethane	3.611	63	562	0.216	ug/l #	81
25) 2-Butanone	4.581	43	2620	2.090	ug/l	91
30) Chloroform	5.105	83	2253	0.818	ug/l	97
31) Cyclohexane	5.556	56	3027	1.273	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10533	4.914	ug/l #	48
38) Carbon Tetrachloride	5.562	117	14037	6.280	ug/l #	17
40) Benzene	6.050	78	1631	0.257	ug/l	93
52) Toluene	8.726	92	1055	0.257	ug/l	91
59) 2-Hexanone	9.439	43	883	0.431	ug/l	71
60) Dibromochloromethane	9.513	129	28	1.702	ug/l #	1
74) N-amyl acetate	10.860	43	1531	0.470	ug/l #	8
76) 1,2,3-Trichloropropane	11.085	75	53483	24.279	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53483	71.417	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	1328	0.225	ug/l	99
90) Hexachloroethane	12.549	117	87	1.547	ug/l #	9
95) Naphthalene	13.780	128	6571	2.209	ug/l	96

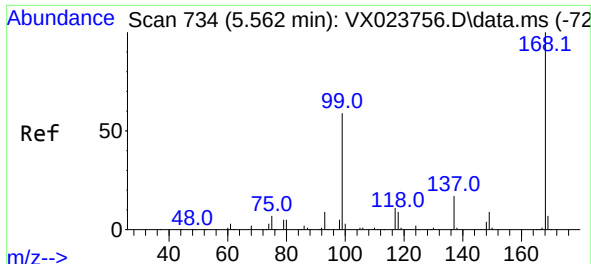
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Aug 18 17:16:05 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

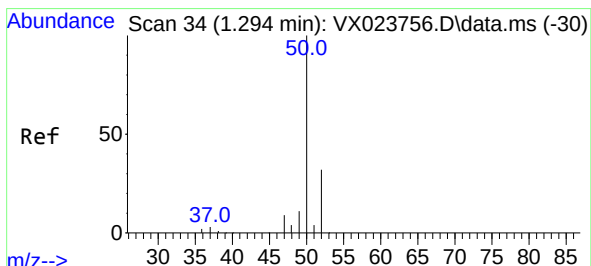
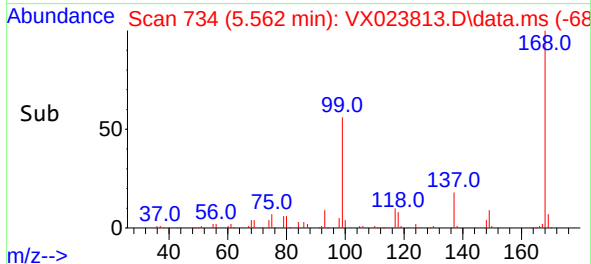
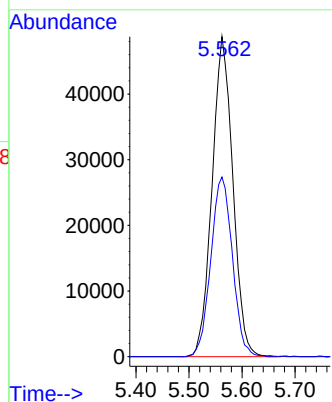
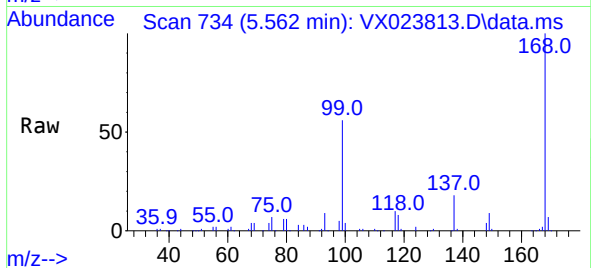




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

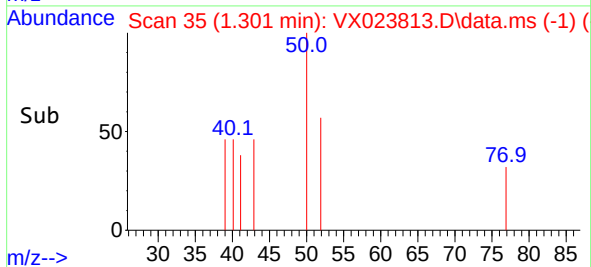
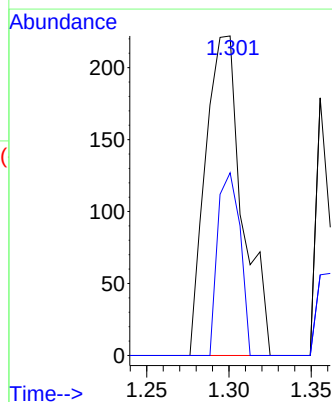
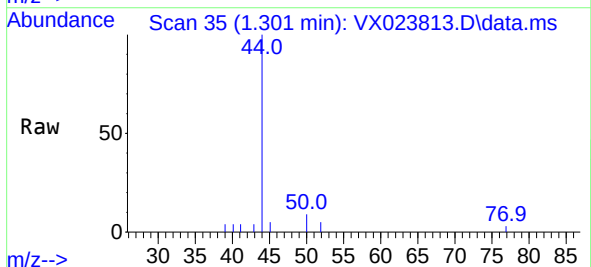
Instrument :
MSVOA_X
ClientSampleId :

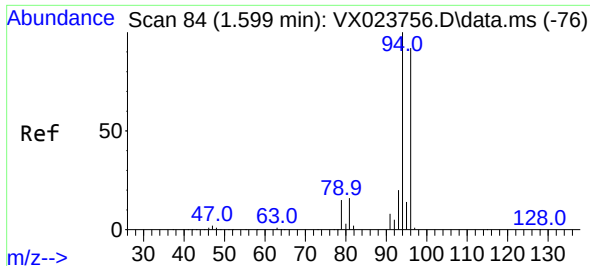
Tgt Ion:168 Resp: 132635
Ion Ratio Lower Upper
168 100
99 56.2 45.8 68.6



#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 50 Resp: 345
Ion Ratio Lower Upper
50 100
52 57.2 26.4 39.6#

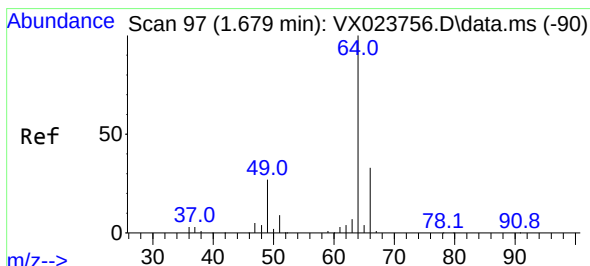
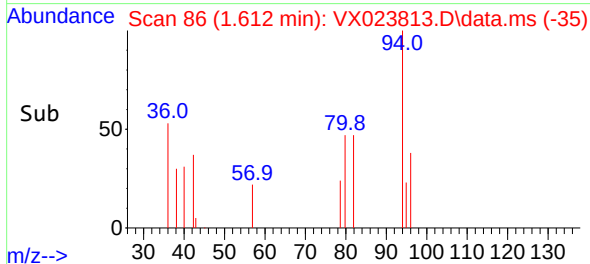
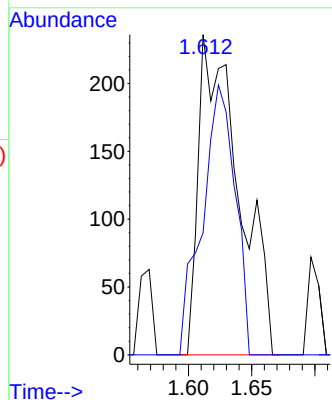
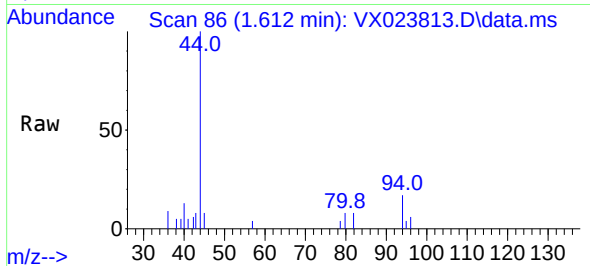




#5
Bromomethane
Concen: 0.557 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

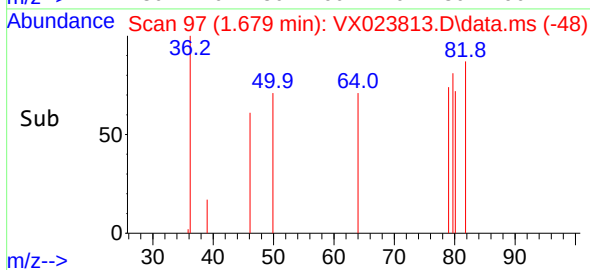
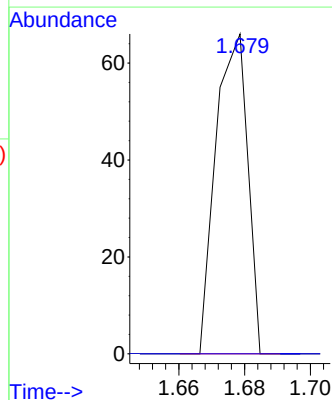
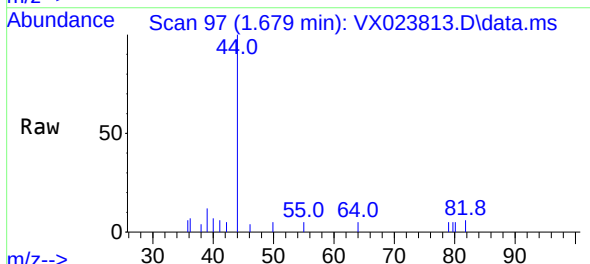
Instrument :
MSVOA_X
ClientSampled :

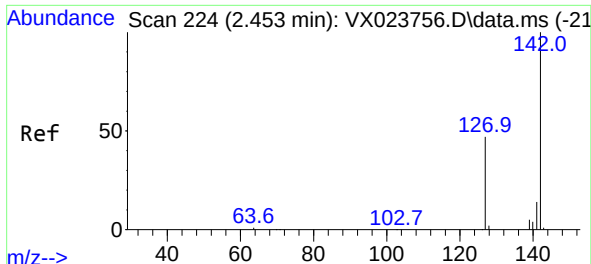
Tgt Ion: 94 Resp: 525
Ion Ratio Lower Upper
94 100
96 38.1 76.4 114.6#



#6
Chloroethane
Concen: 2.251 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

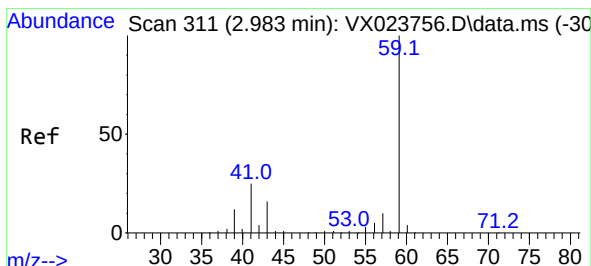
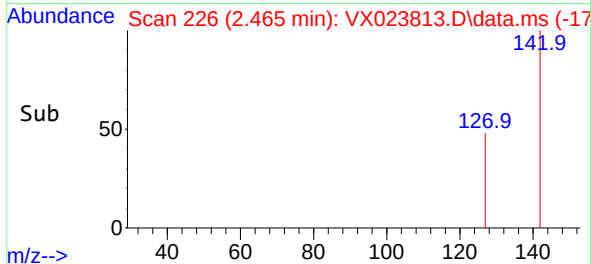
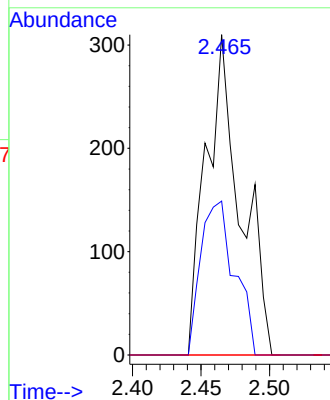
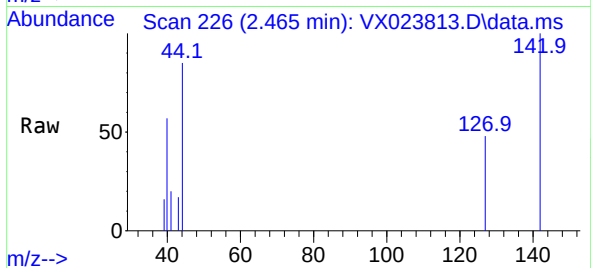




#10
Methyl Iodide
Concen: 0.293 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

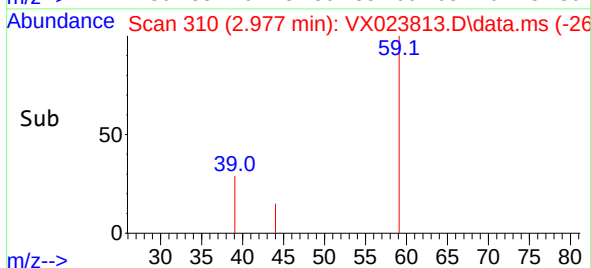
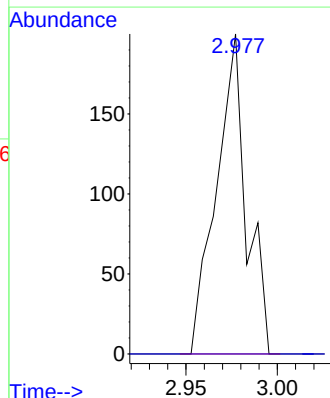
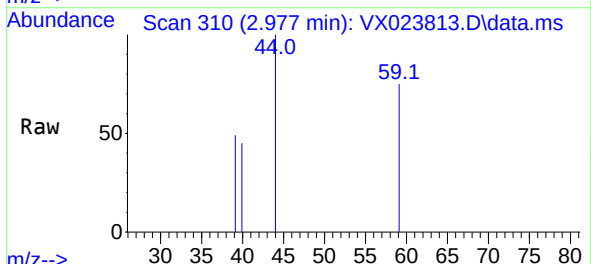
Instrument :
MSVOA_X
ClientSampled :

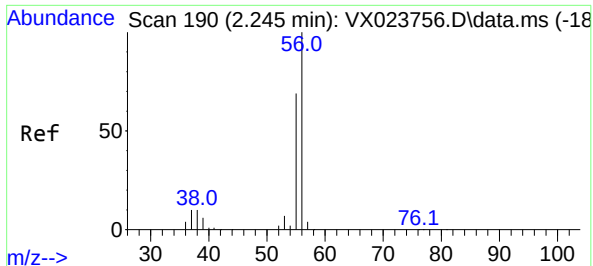
Tgt Ion:142 Resp: 544
Ion Ratio Lower Upper
142 100
127 47.2 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.612 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

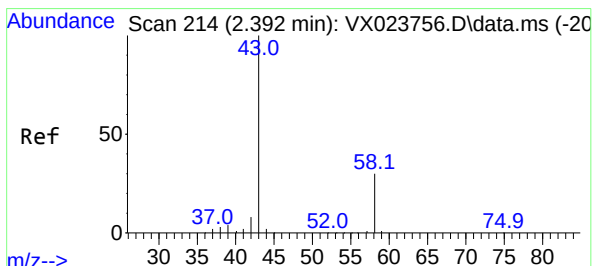
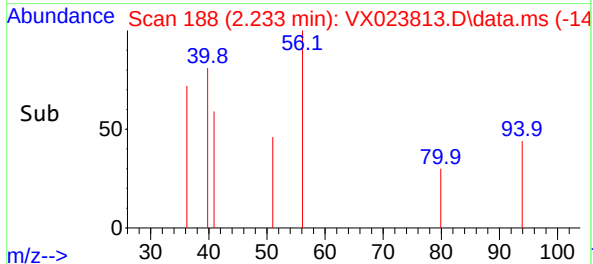
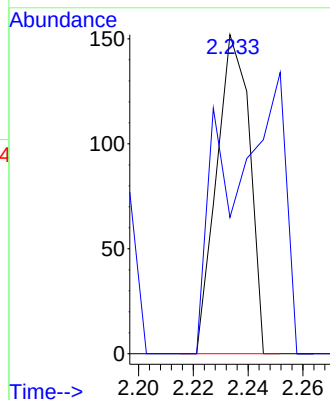
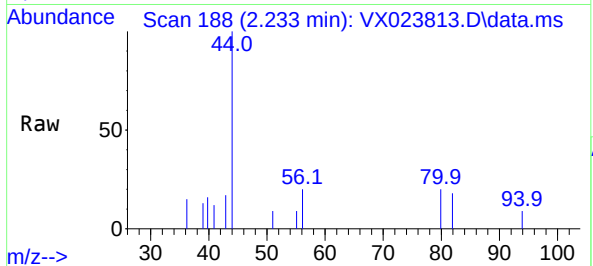




#13
Acrolein
Concen: 0.570 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

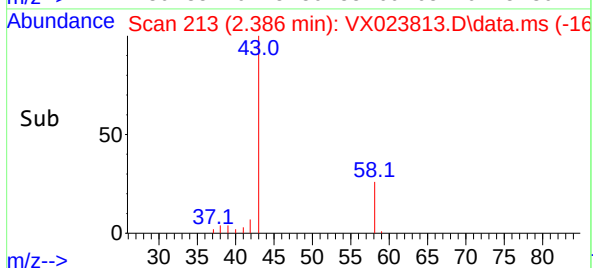
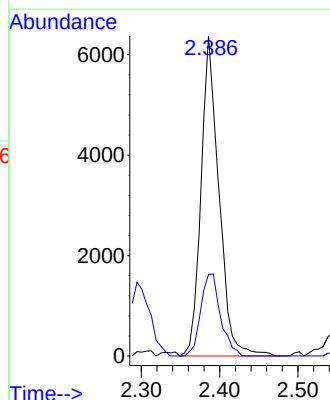
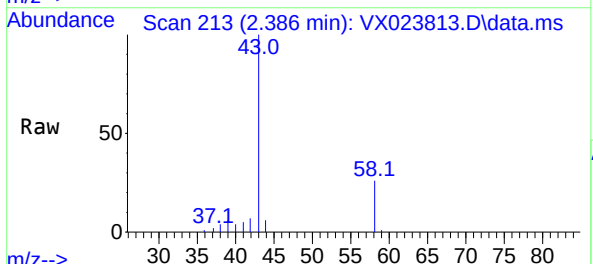
Instrument :
MSVOA_X
ClientSampleId :

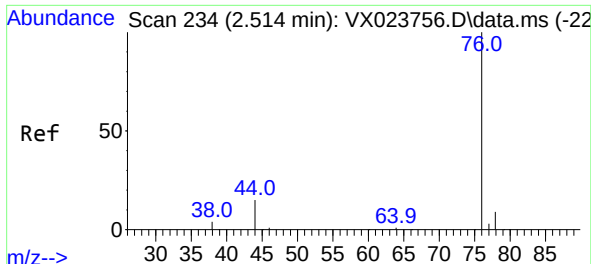
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 147.2 56.4 84.6#



#16
Acetone
Concen: 12.227 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 43 Resp: 10120
Ion Ratio Lower Upper
43 100
58 25.5 27.8 41.8#

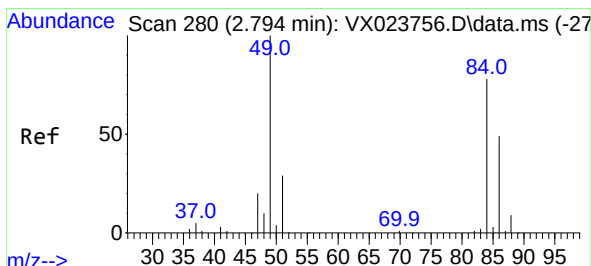
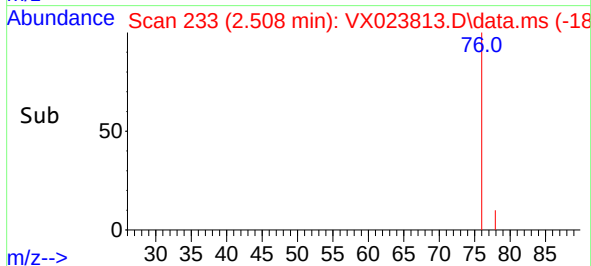
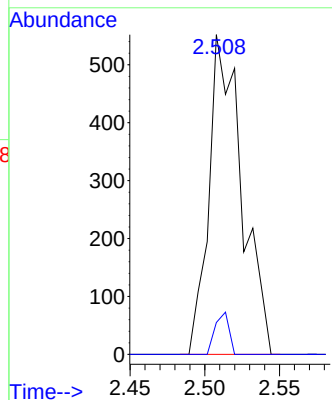
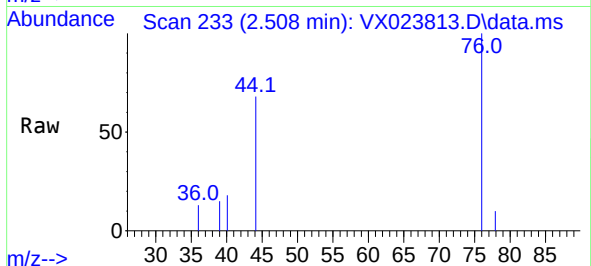




#17
Carbon Disulfide
Concen: 0.277 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

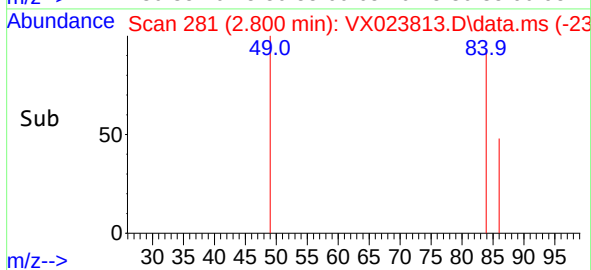
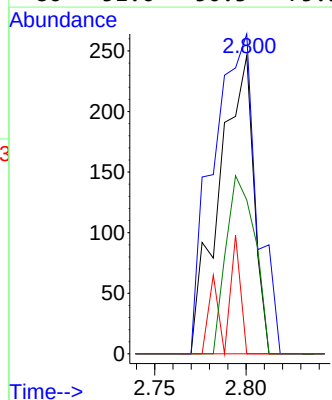
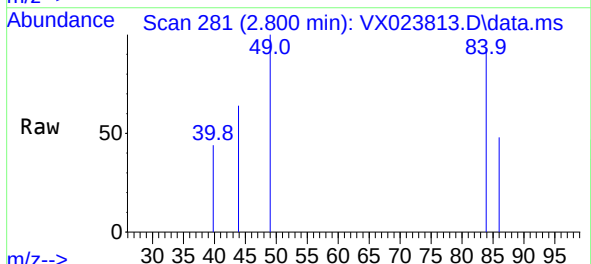
Instrument :
MSVOA_X
ClientSampled :

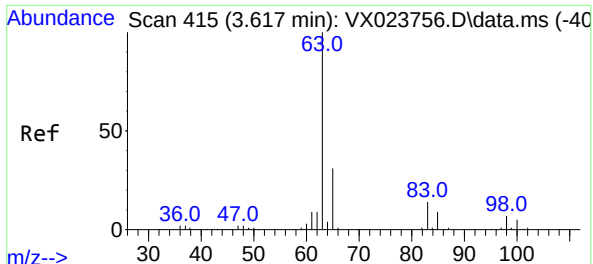
Tgt Ion: 76 Resp: 842
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8



#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 84 Resp: 324
Ion Ratio Lower Upper
84 100
49 107.3 88.6 132.8
51 0.0 27.0 40.6#
86 51.6 50.3 75.5

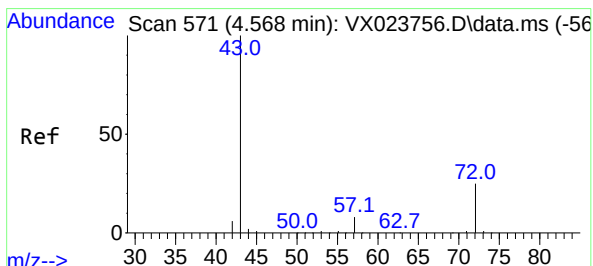
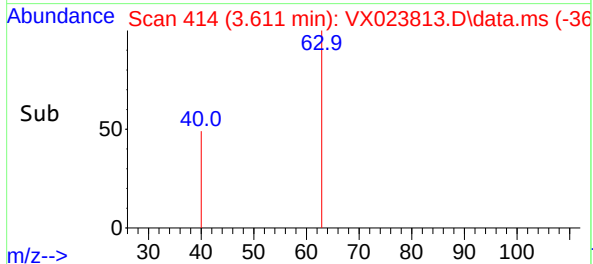
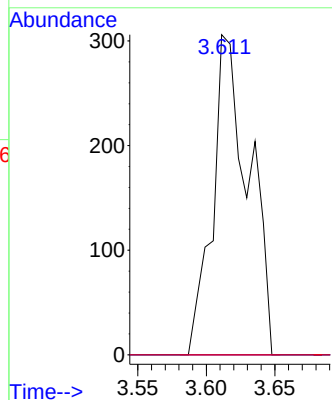
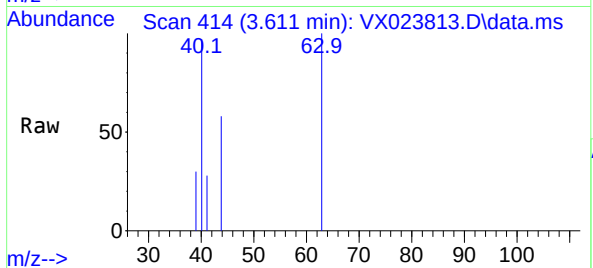




#24
1,1-Dichloroethane
Concen: 0.216 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

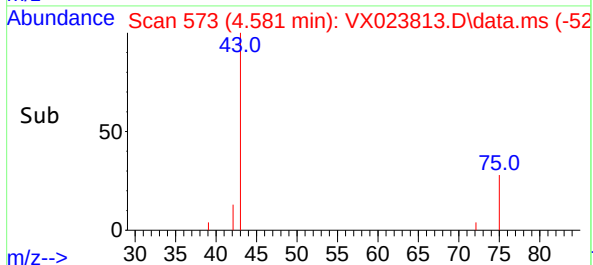
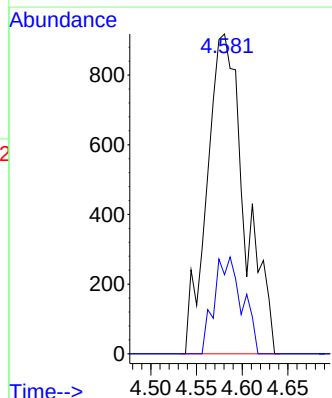
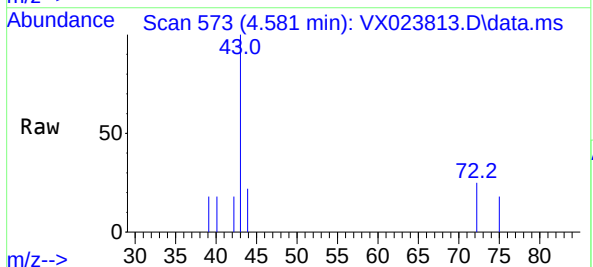
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MSVOA_X
ClientSampleId :

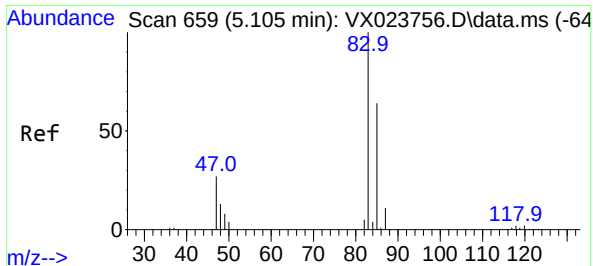
Tgt Ion: 63 Resp: 562
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 2.090 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 43 Resp: 2620
Ion Ratio Lower Upper
43 100
72 24.7 23.7 35.5



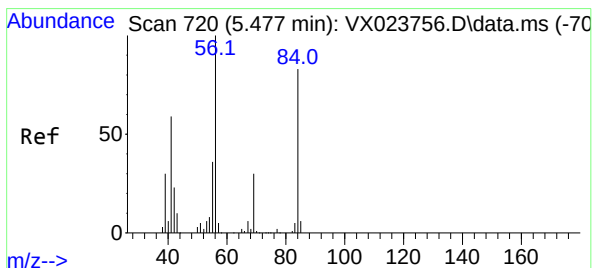
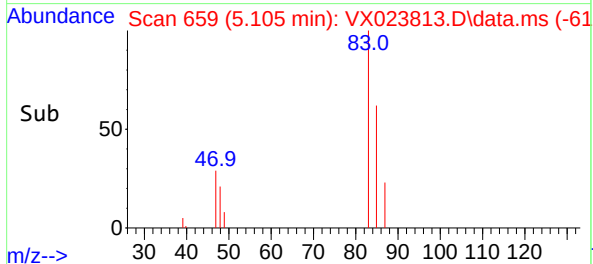
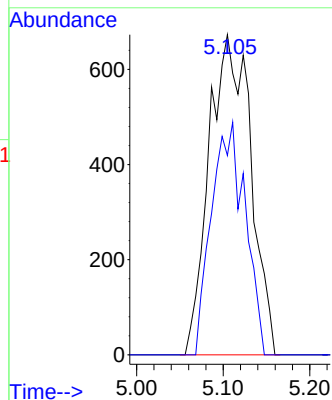
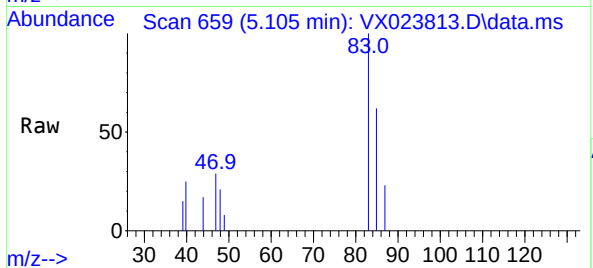


#30

Chloroform
Concen: 0.818 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Instrument :
MSVOA_X
ClientSampleId :

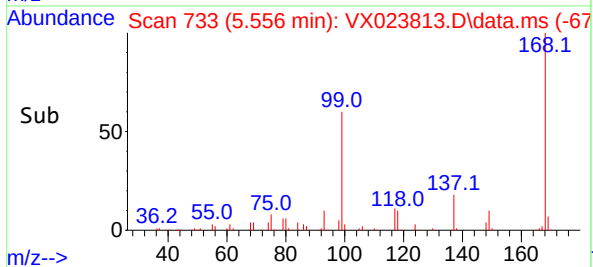
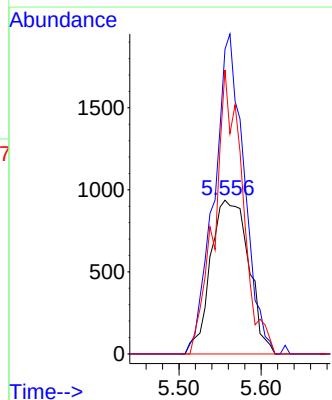
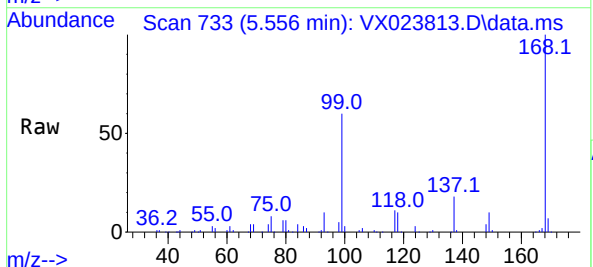
Tgt Ion: 83 Resp: 2253
Ion Ratio Lower Upper
83 100
85 62.3 52.0 78.0

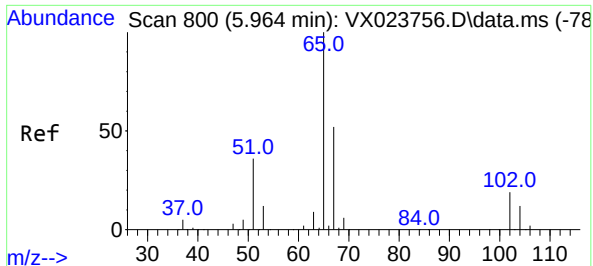


#31

Cyclohexane
Concen: 1.273 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 56 Resp: 3027
Ion Ratio Lower Upper
56 100
69 198.2 25.3 37.9#
84 184.7 71.4 107.0#



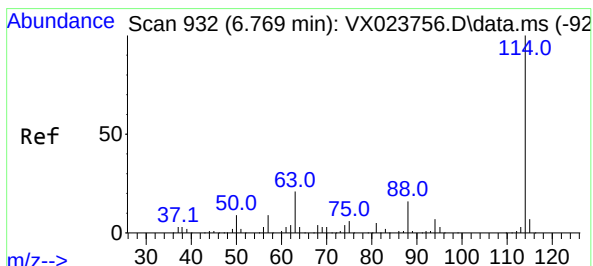
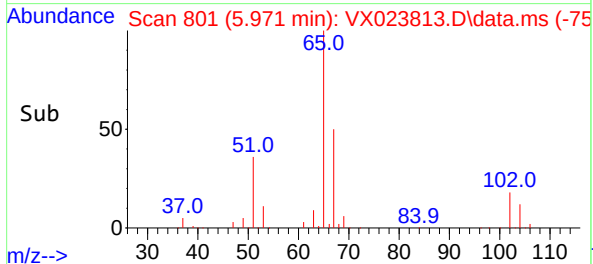
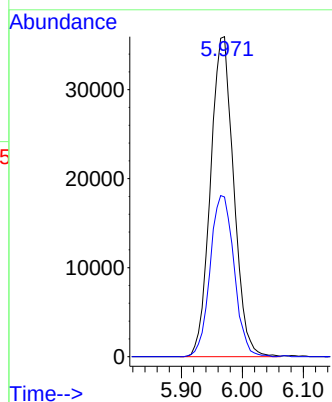
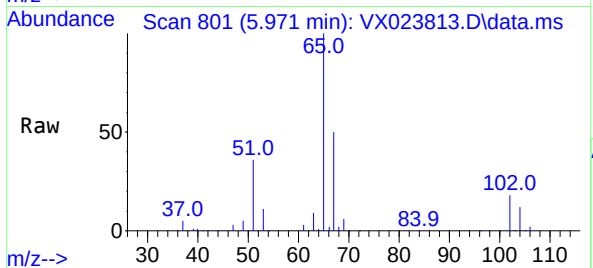


#33

1,2-Dichloroethane-d4
Concen: 51.391 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Instrument :
MSVOA_X
ClientSampleId :

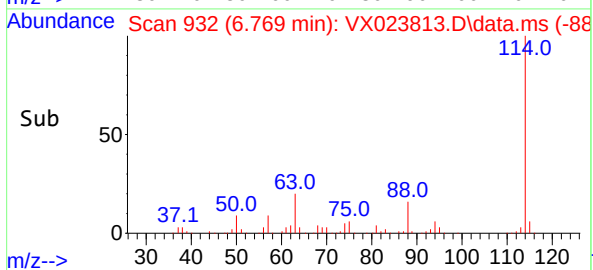
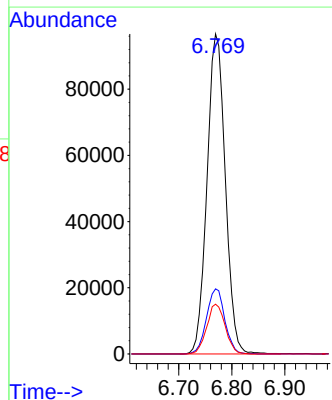
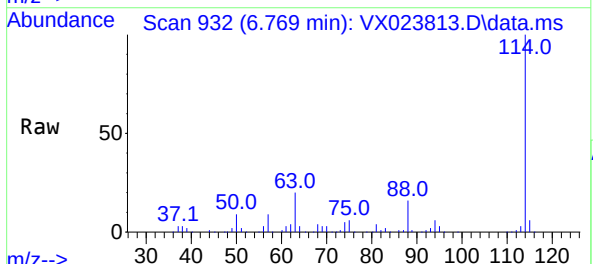
Tgt Ion: 65 Resp: 95133
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.4

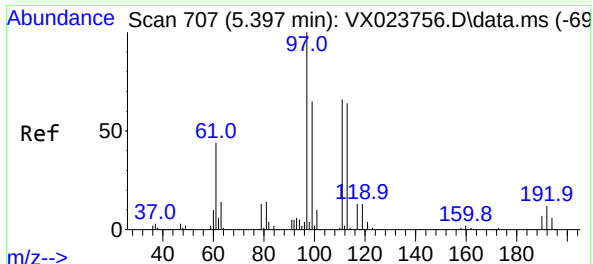


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 114 Resp: 231457
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 15.6 0.0 32.8

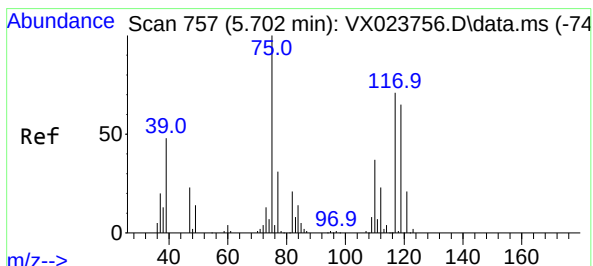
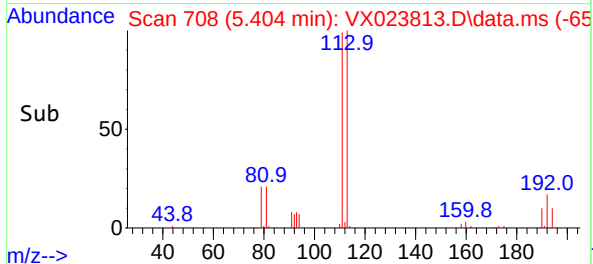
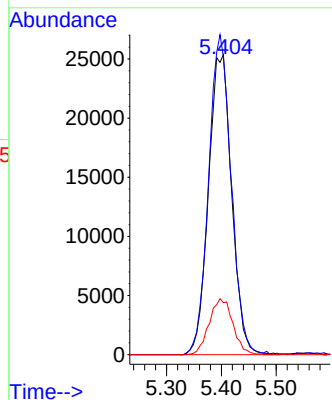
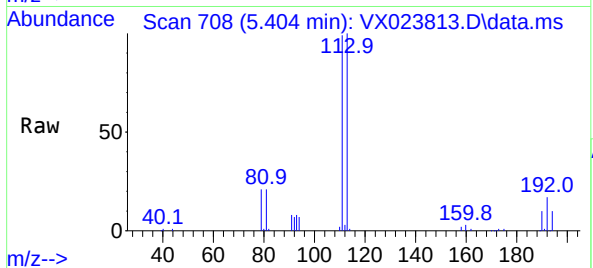




#35
Dibromofluoromethane
Concen: 48.644 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.007 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

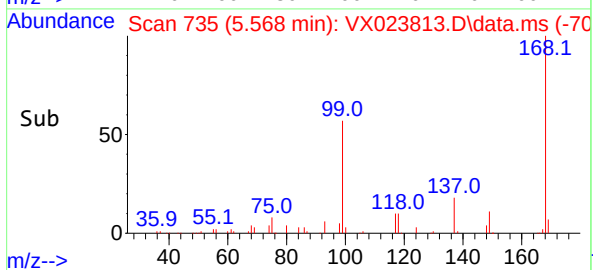
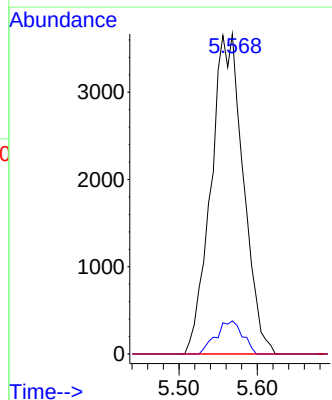
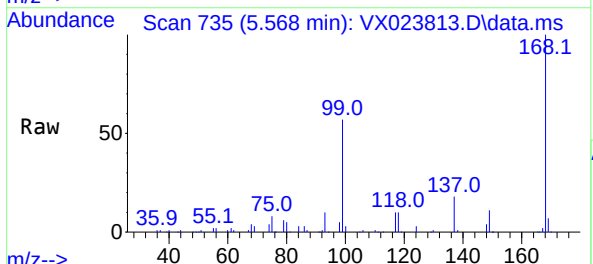
Instrument :
MSVOA_X
ClientSampleId :

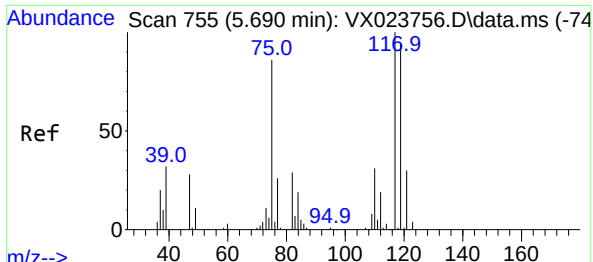
Tgt Ion:113 Resp: 74520
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.914 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

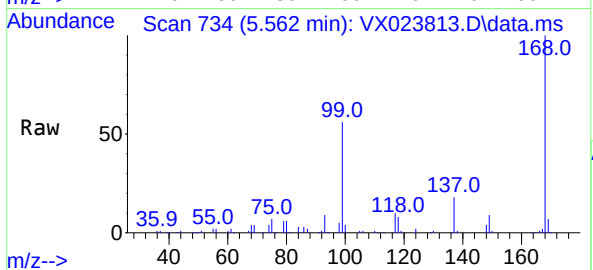
Tgt Ion: 75 Resp: 10533
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#



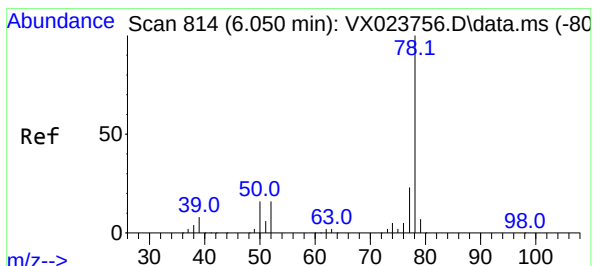
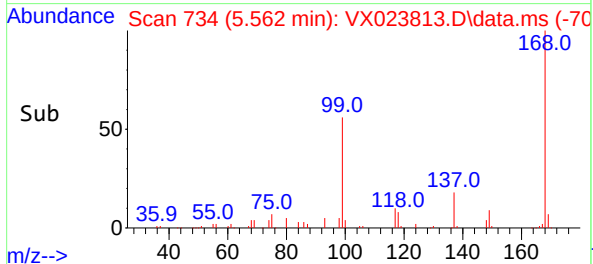
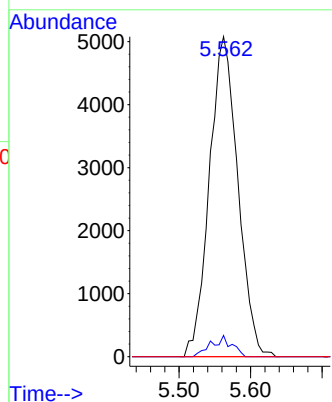


#38
Carbon Tetrachloride
Concen: 6.280 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Instrument :
MSVOA_X
ClientSampleId :

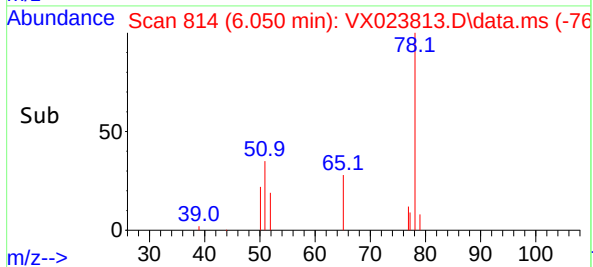
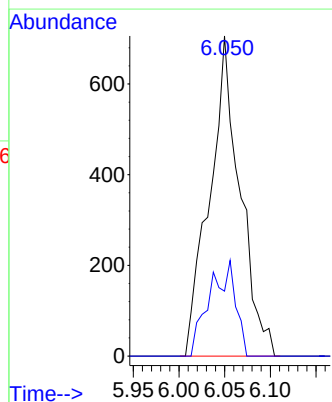
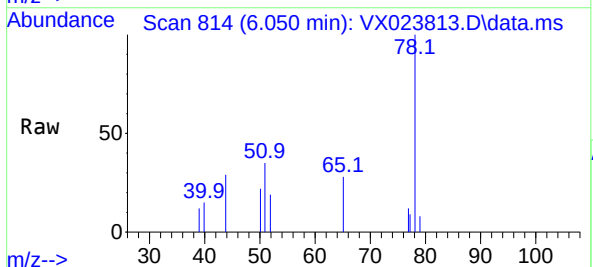


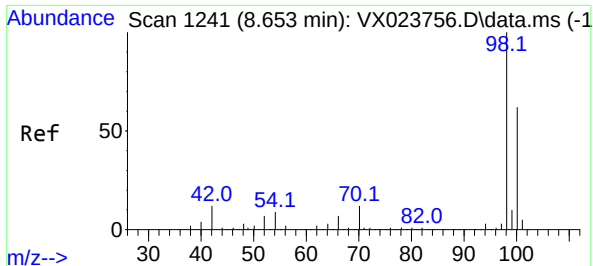
Tgt Ion:117 Resp: 14037
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.257 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 78 Resp: 1631
Ion Ratio Lower Upper
78 100
77 20.3 18.9 28.3

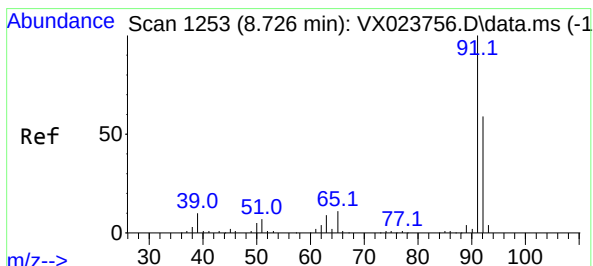
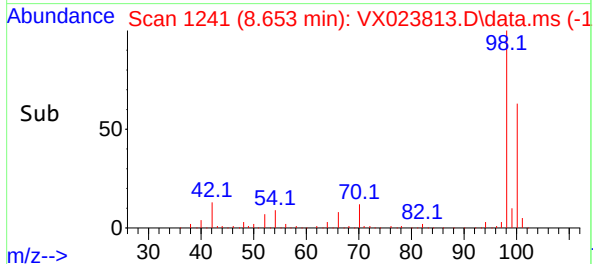
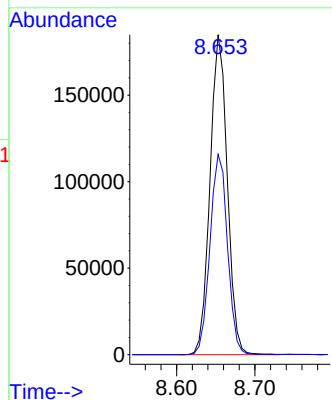
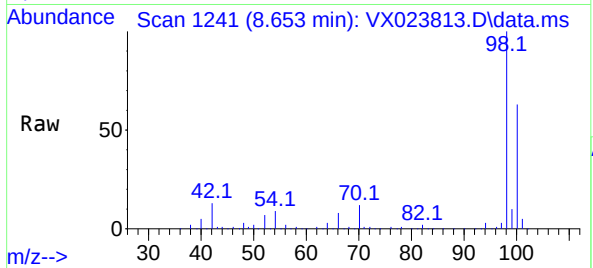




#50
Toluene-d8
Concen: 48.544 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

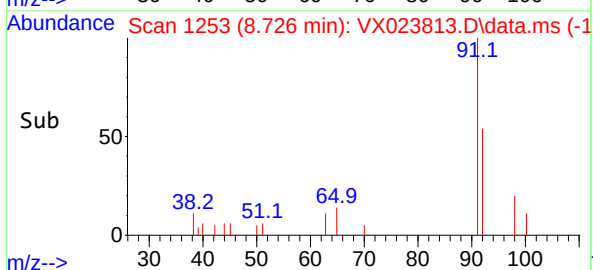
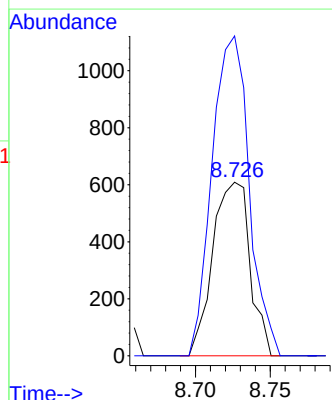
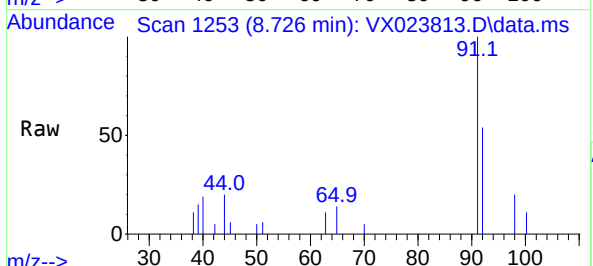
Instrument :
MSVOA_X
ClientSampled :

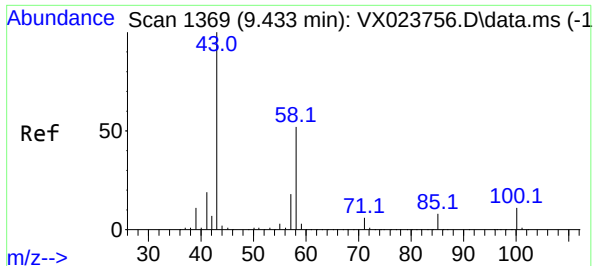
Tgt Ion: 98 Resp: 283045
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#52
Toluene
Concen: 0.257 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 92 Resp: 1055
Ion Ratio Lower Upper
92 100
91 183.3 137.1 205.7

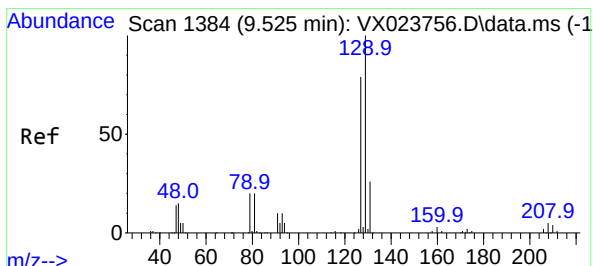
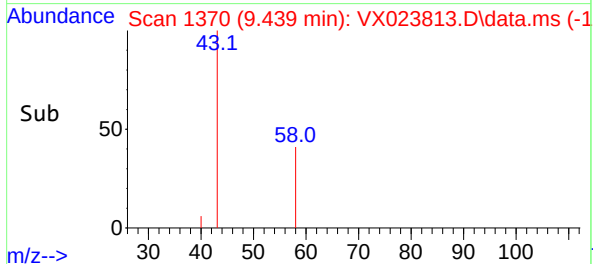
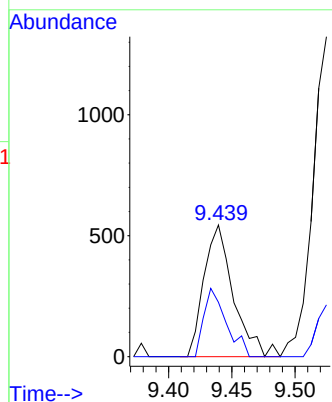
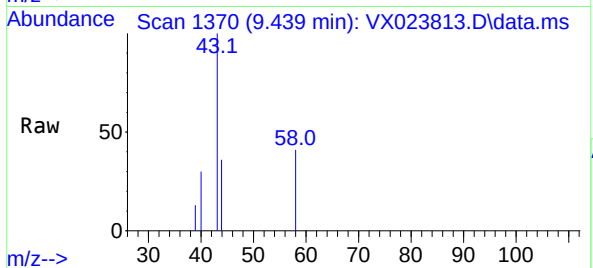




#59
2-Hexanone
Concen: 0.431 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

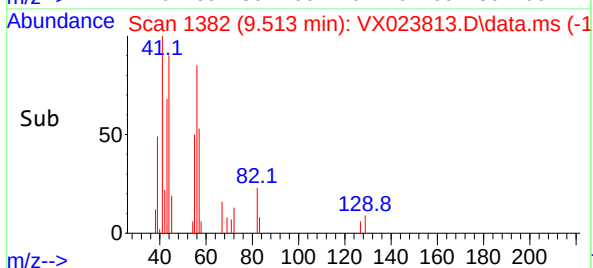
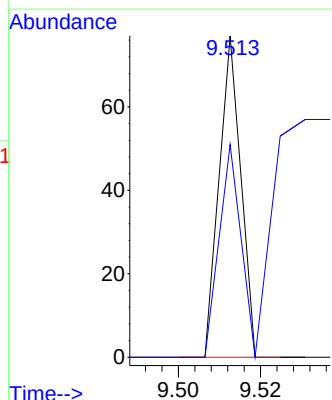
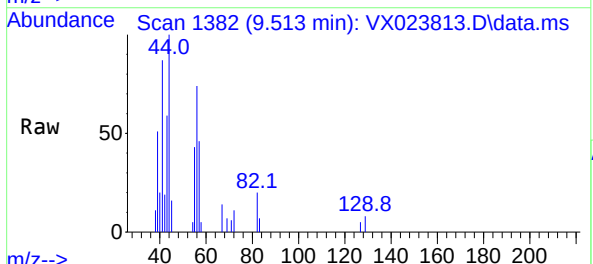
Instrument :
MSVOA_X
ClientSampled :

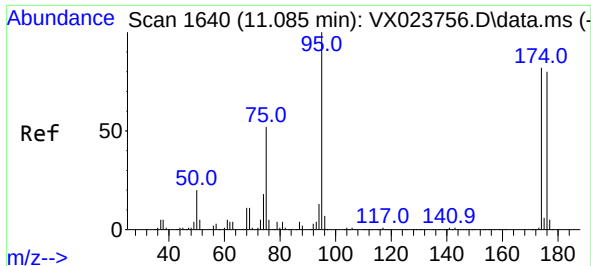
Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
58 39.3 30.9 92.8



#60
Dibromochloromethane
Concen: 1.702 ug/l
RT: 9.513 min Scan# 1382
Delta R.T. -0.012 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 129 Resp: 28
Ion Ratio Lower Upper
129 100
127 285.7 38.4 115.2#

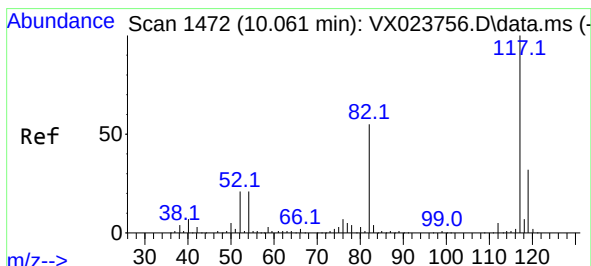
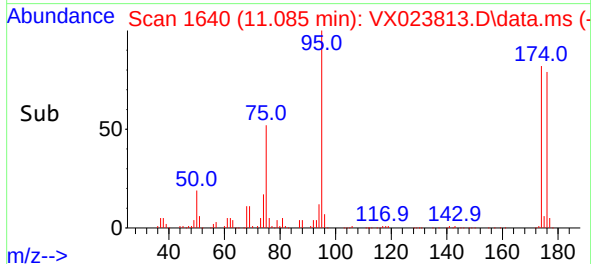
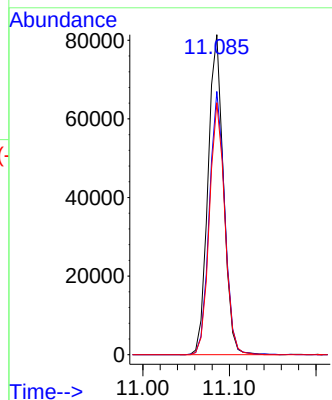
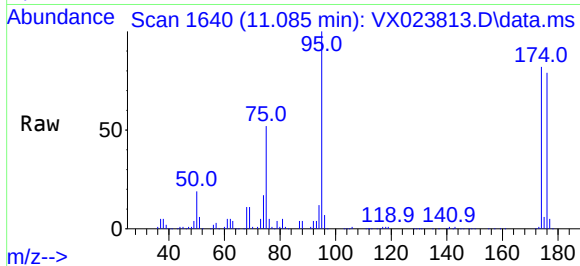




#62
4-Bromofluorobenzene
Concen: 47.012 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

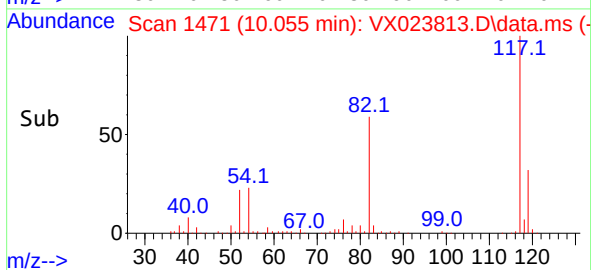
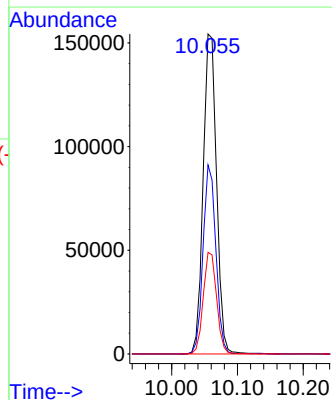
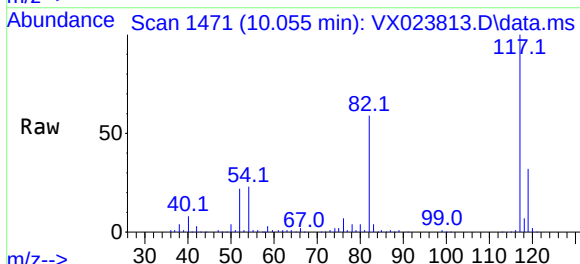
Instrument :
MSVOA_X
ClientSampleId :

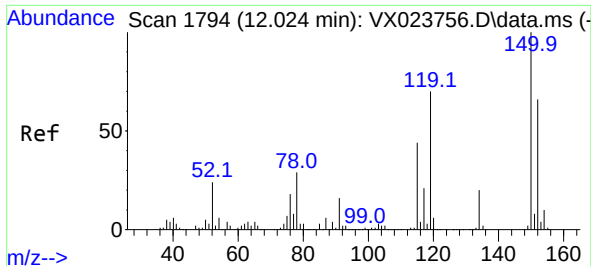
Tgt Ion: 95 Resp: 100909
Ion Ratio Lower Upper
95 100
174 82.1 0.0 154.6
176 78.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 117 Resp: 218237
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 31.8 26.6 39.8

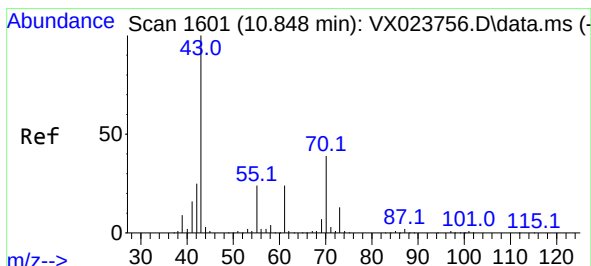
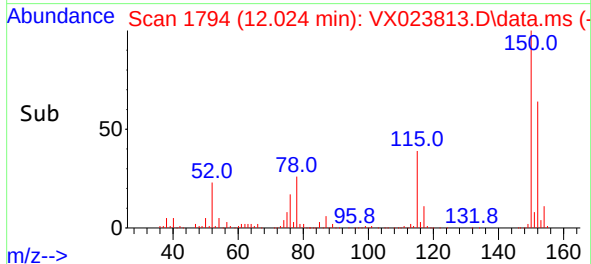
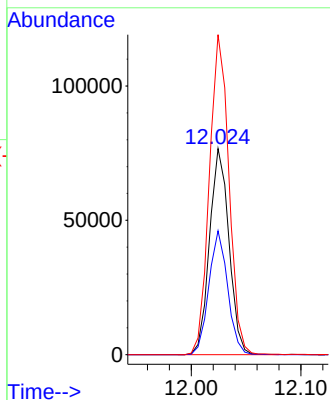
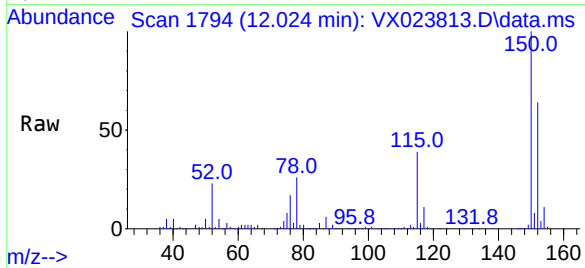




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

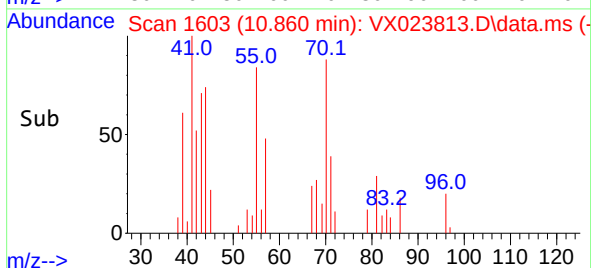
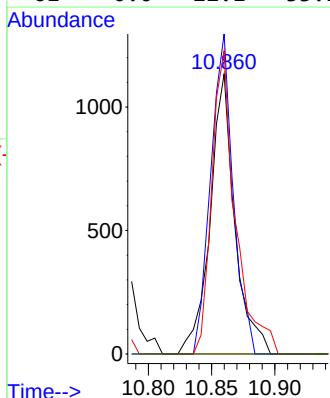
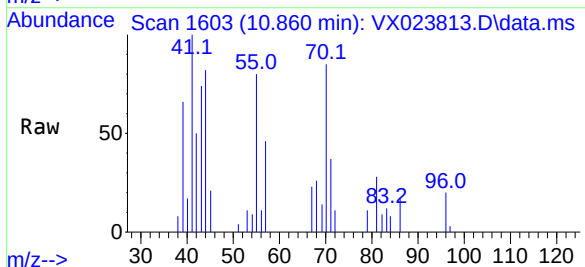
Instrument :
MSVOA_X
ClientSampleId :

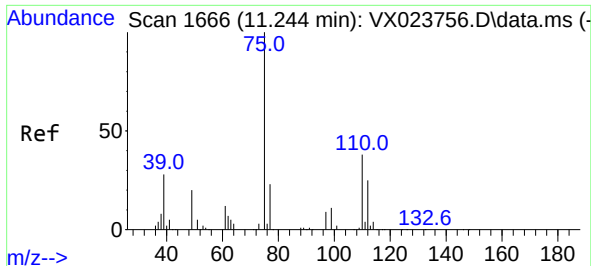
Tgt Ion:152 Resp: 94433
Ion Ratio Lower Upper
152 100
115 58.2 41.1 123.3
150 156.2 0.0 349.0



#74
N-ethyl acetate
Concen: 0.470 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.012 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
70 104.3 39.0 58.6#
55 104.1 21.5 32.3#
61 0.0 22.1 33.1#

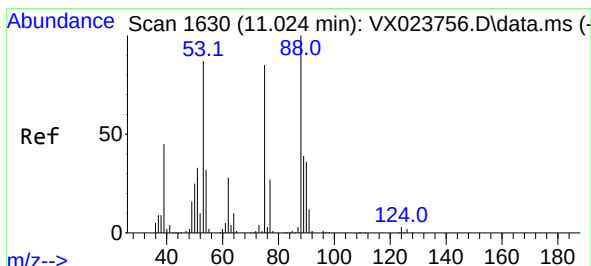
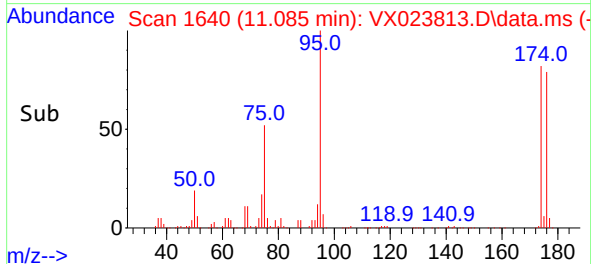
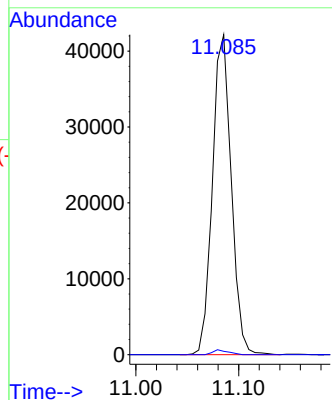
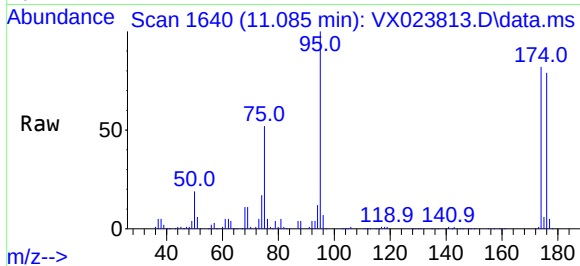




#76
1,2,3-Trichloropropane
Concen: 24.279 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

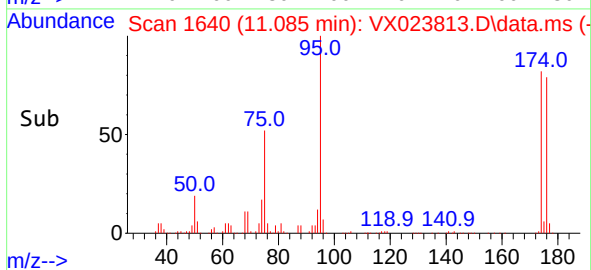
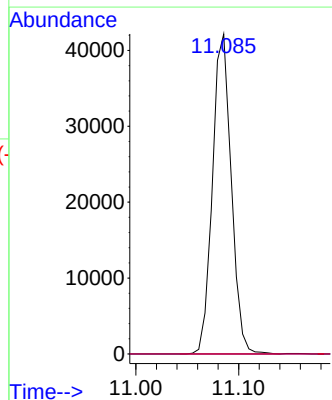
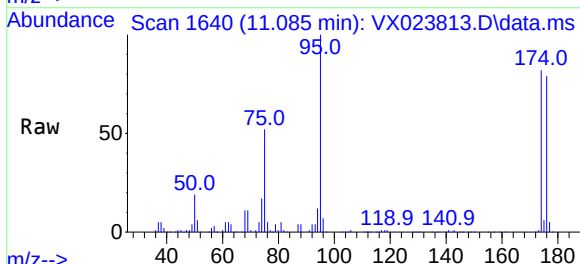
Instrument :
MSVOA_X
ClientSampled :

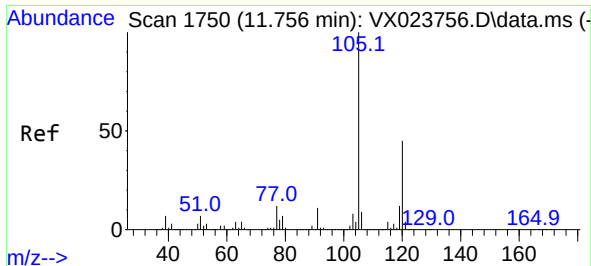
Tgt Ion: 75 Resp: 53483
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.417 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Tgt Ion: 75 Resp: 53483
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

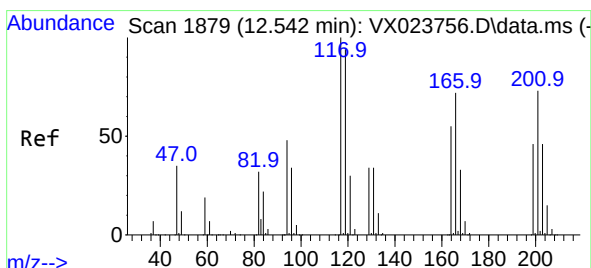
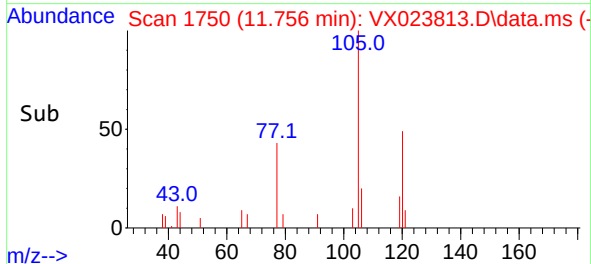
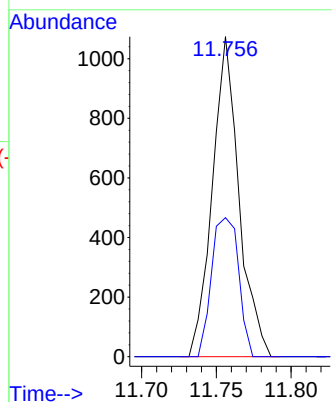
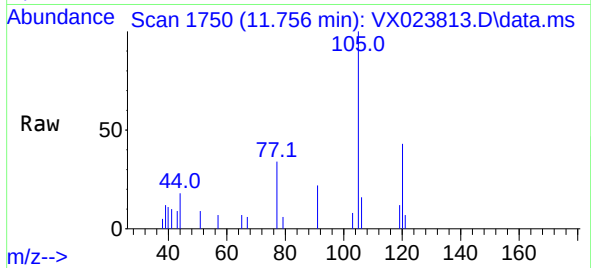




#84
1,2,4-Trimethylbenzene
Concen: 0.225 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

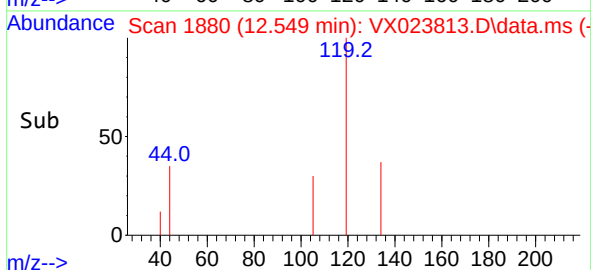
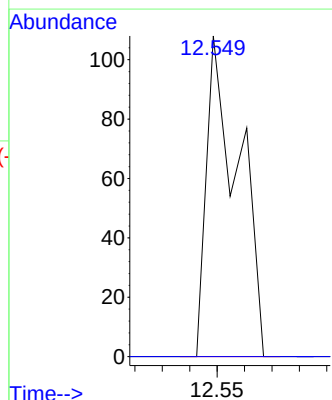
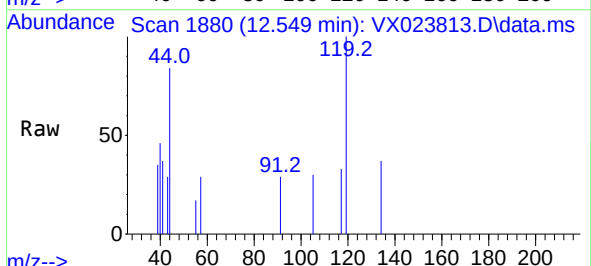
Instrument :
MSVOA_X
ClientSampled :

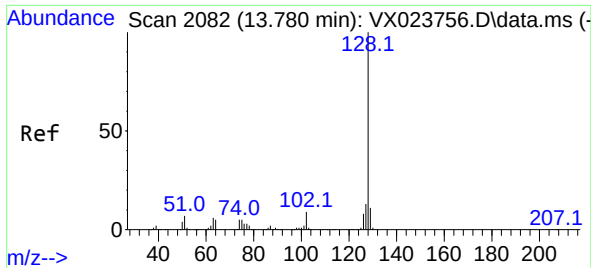
Tgt Ion:105 Resp: 1328
Ion Ratio Lower Upper
105 100
120 44.1 22.4 67.3



#90
Hexachloroethane
Concen: 1.547 ug/l
RT: 12.549 min Scan# 1880
Delta R.T. 0.007 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

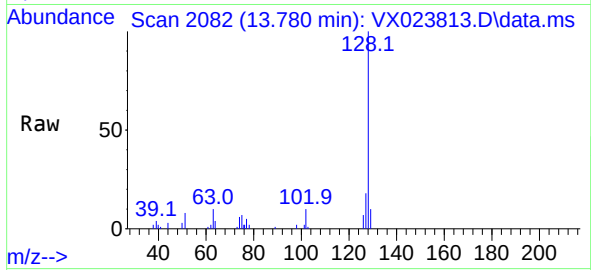
Tgt Ion:117 Resp: 87
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 2.209 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023813.D
Acq: 18 Aug 2021 13:52

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	6571
Ion	Ratio	Lower	Upper
128	100		
127	15.2	10.3	15.5
129	9.9	8.8	13.2

