

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024558.D
 Acq On : 05 Oct 2021 07:13
 Operator : JC/MD
 Sample : M3989-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Oct 05 08:36:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

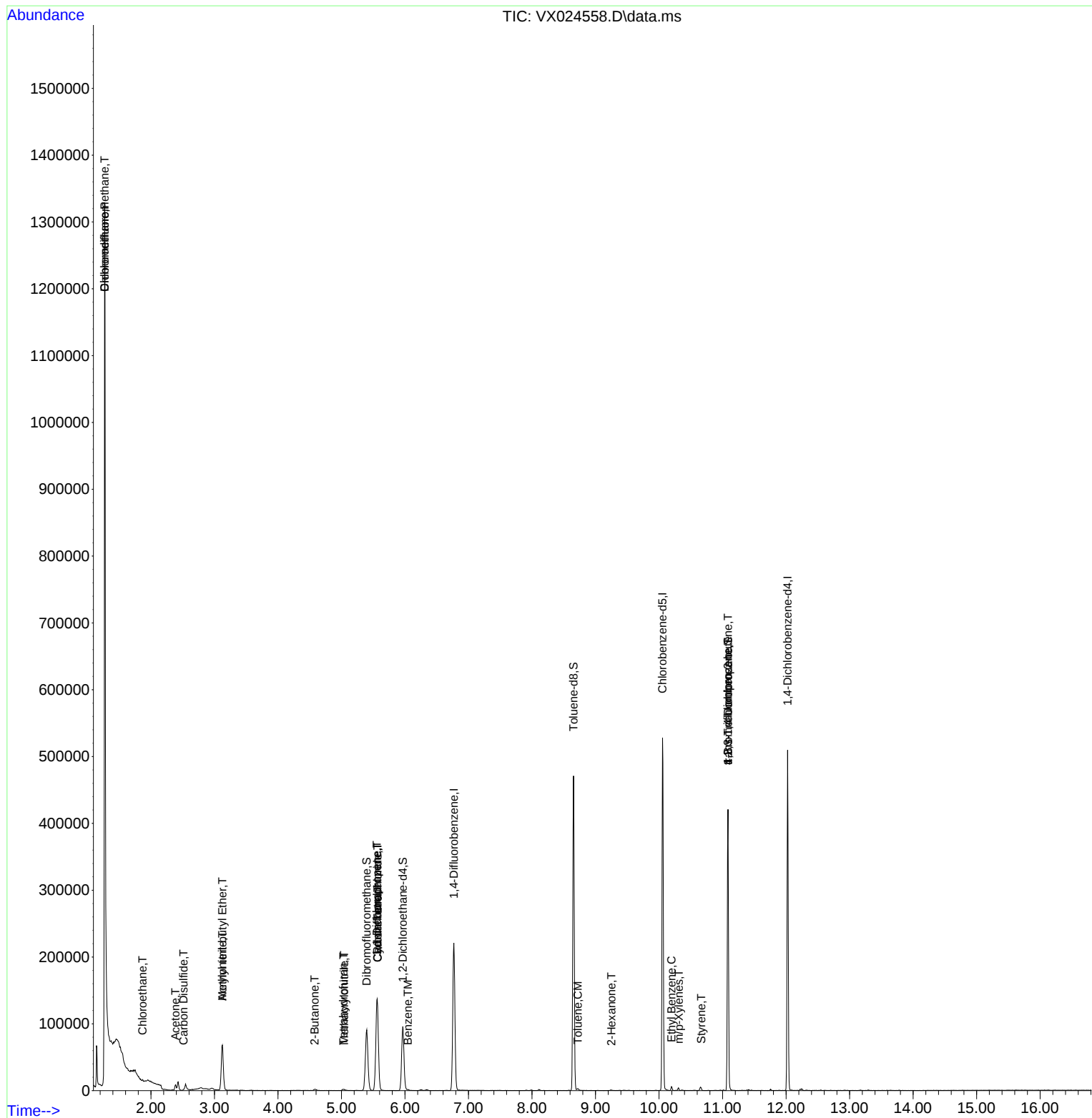
Internal Standards						
1) Pentafluorobenzene	5.562	168	126749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	218083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96344	53.933	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.860%		
35) Dibromofluoromethane	5.397	113	75542	52.142	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.280%		
50) Toluene-d8	8.653	98	268487	50.351	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.700%		
62) 4-Bromofluorobenzene	11.085	95	112491	53.655	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.270	85	74158	58.145	ug/l	98
3) Chloromethane	1.270	50	22346	18.588	ug/l #	44
6) Chloroethane	1.867	64	1601	2.160	ug/l #	59
11) Tert butyl alcohol	2.971	59	2086	Below Cal	#	73
15) Acrylonitrile	3.123	53	940	1.158	ug/l #	19
16) Acetone	2.386	43	8884	1.715	ug/l	97
17) Carbon Disulfide	2.514	76	1988	0.888	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	71296	16.282	ug/l	99
20) Methylene Chloride	2.800	84	238	Below Cal	#	88
25) 2-Butanone	4.574	43	1446	1.175	ug/l #	71
29) Tetrahydrofuran	5.031	42	1399	1.785	ug/l #	74
31) Cyclohexane	5.568	56	2882	1.347	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	10059	4.811	ug/l #	50
38) Carbon Tetrachloride	5.568	117	13502	5.933	ug/l #	17
40) Benzene	6.043	78	1239	0.207	ug/l	97
41) Methacrylonitrile	5.044	41	997	0.740	ug/l #	42
52) Toluene	8.720	92	948	0.245	ug/l	92
59) 2-Hexanone	9.250	43	583	0.283	ug/l	64
67) Ethyl Benzene	10.195	91	3257	0.358	ug/l	91
68) m/p-Xylenes	10.311	106	977	0.280	ug/l	96
70) Styrene	10.665	104	1778	0.309	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	57694	24.379	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57694	66.527	ug/l #	12

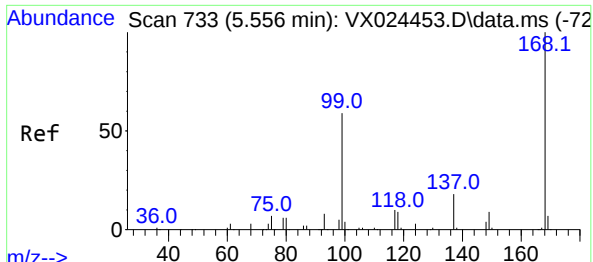
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-8

Quant Time: Oct 05 08:36:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
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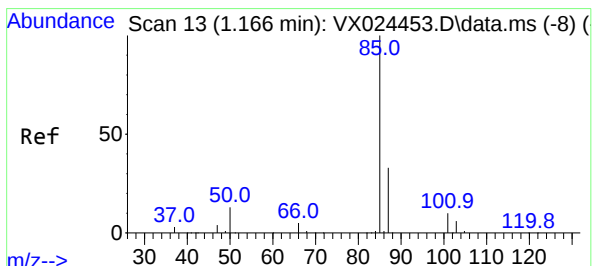
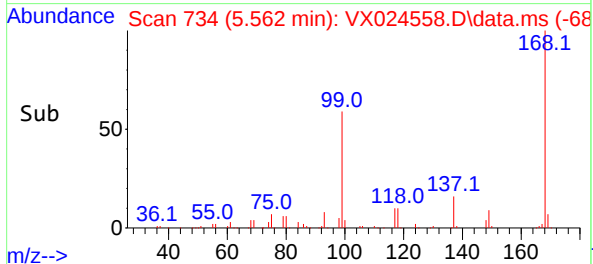
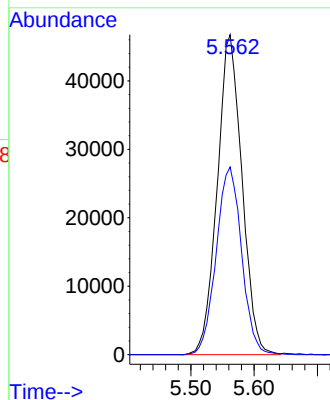
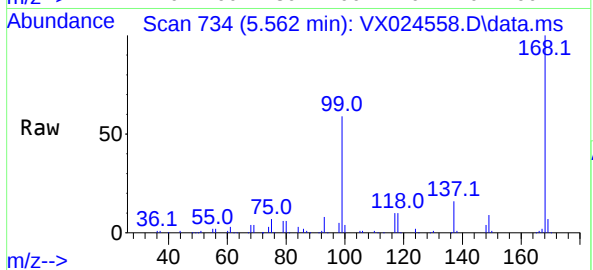




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

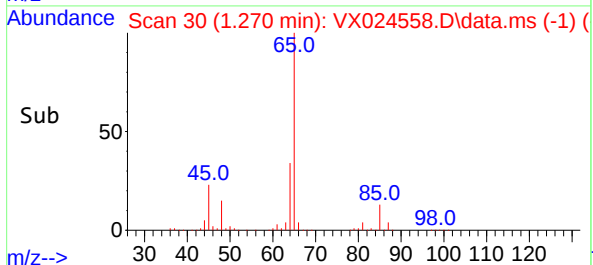
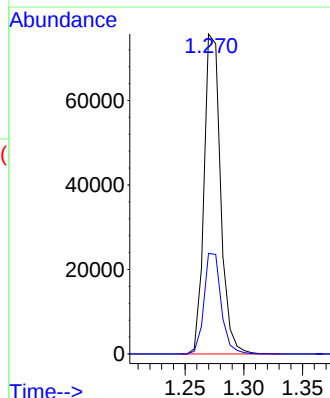
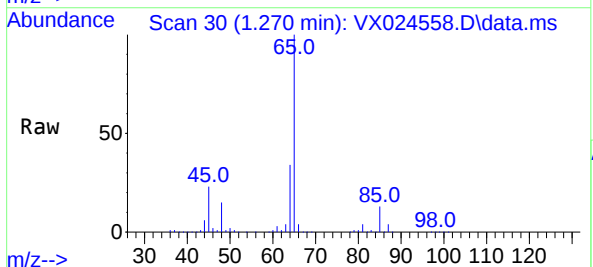
Instrument :
MSVOA_X
ClientSampled :
MW-8

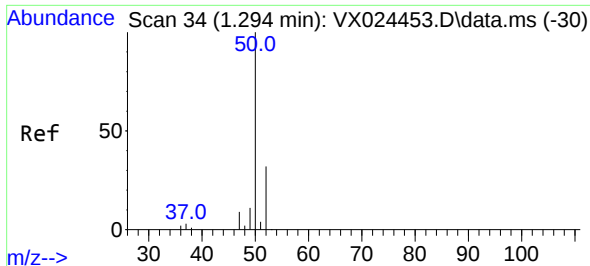
Tgt Ion:168 Resp: 126749
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 58.145 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.104 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 85 Resp: 74158
Ion Ratio Lower Upper
85 100
87 31.4 16.4 49.2

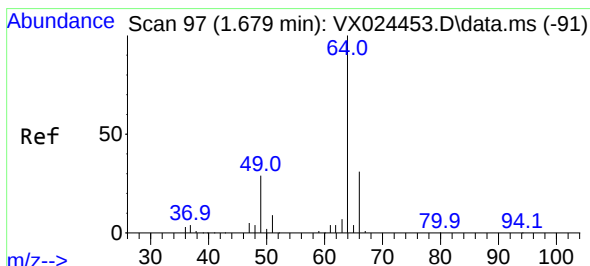
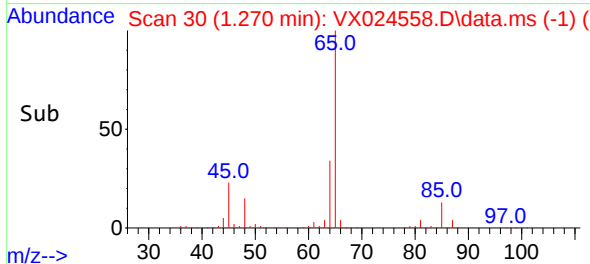
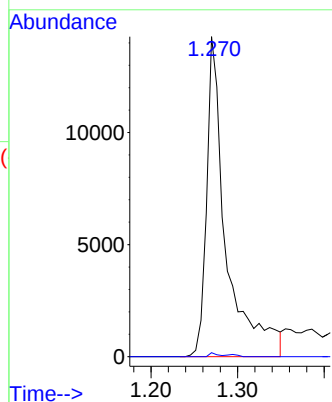
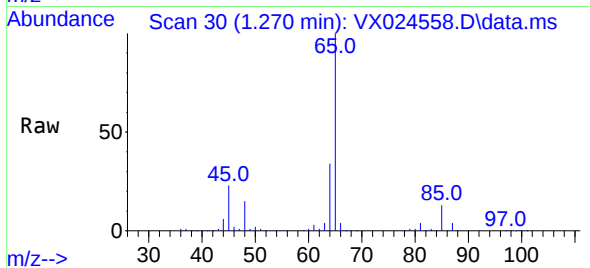




#3
Chloromethane
Concen: 18.588 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

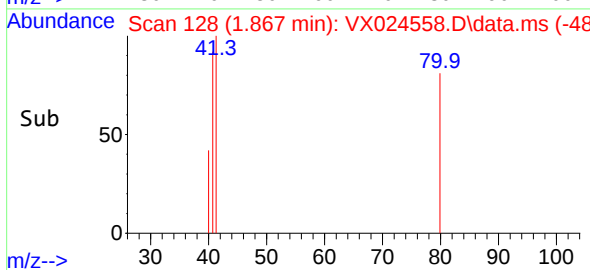
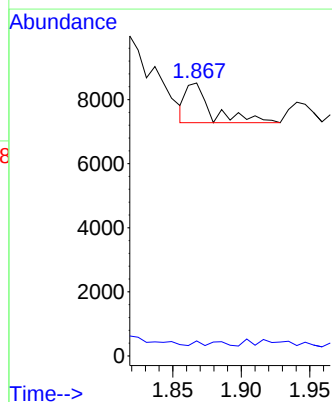
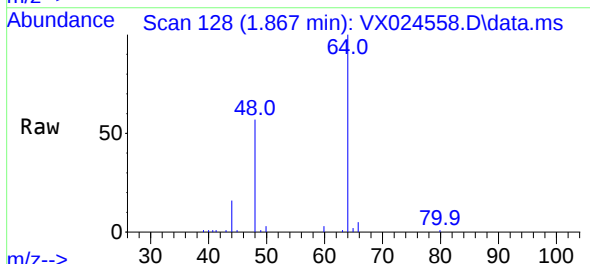
Instrument :
MSVOA_X
ClientSampled :
MW-8

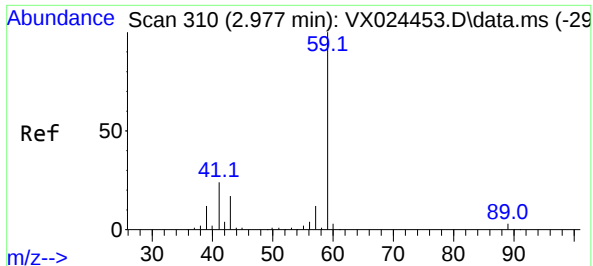
Tgt Ion: 50 Resp: 22346
Ion Ratio Lower Upper
50 100
52 1.2 26.4 39.6#



#6
Chloroethane
Concen: 2.160 ug/l
RT: 1.867 min Scan# 128
Delta R.T. 0.188 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 64 Resp: 1601
Ion Ratio Lower Upper
64 100
66 9.1 25.4 38.0#



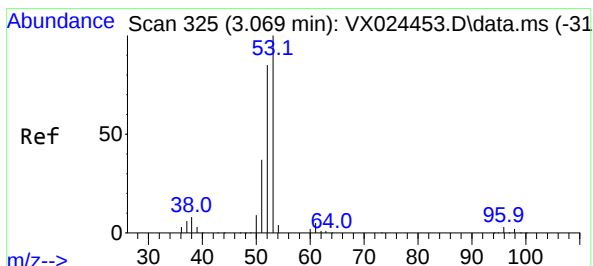
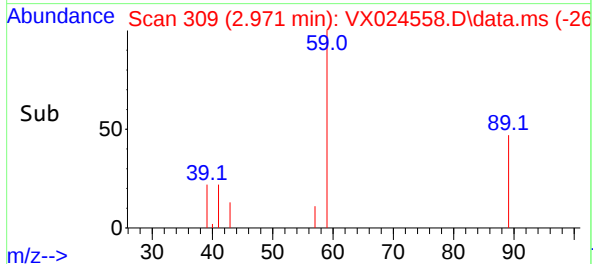
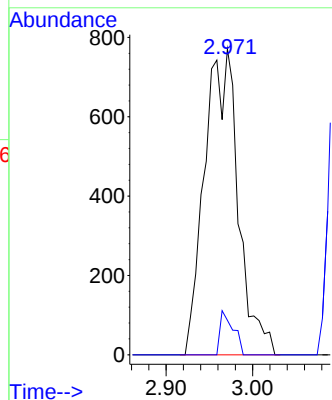
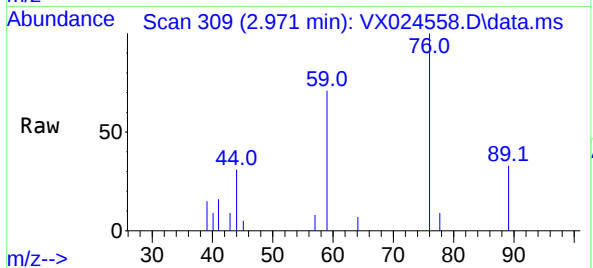


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Instrument :
MSVOA_X
ClientSampled :
MW-8

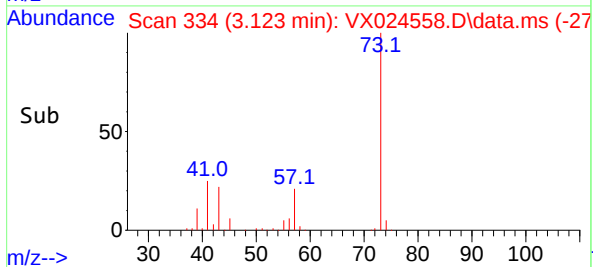
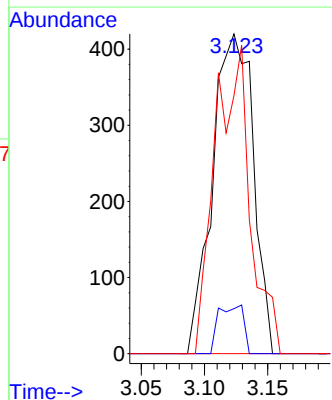
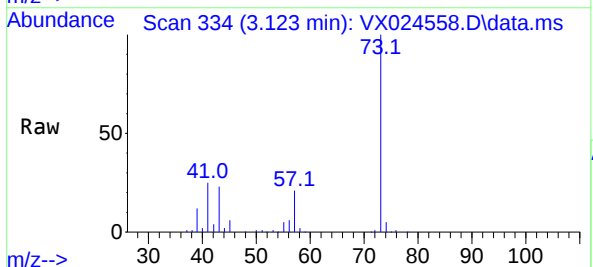
Tgt Ion: 59 Resp: 2086
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

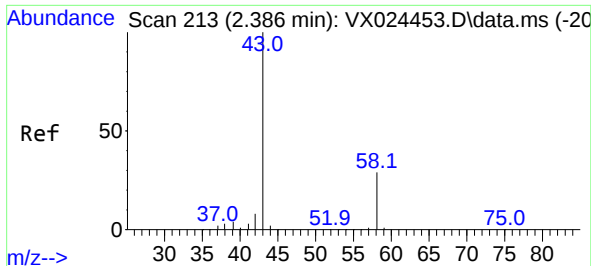


#15

Acrylonitrile
Concen: 1.158 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.054 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 53 Resp: 940
Ion Ratio Lower Upper
53 100
52 9.3 65.3 97.9#
51 83.0 28.2 42.2#

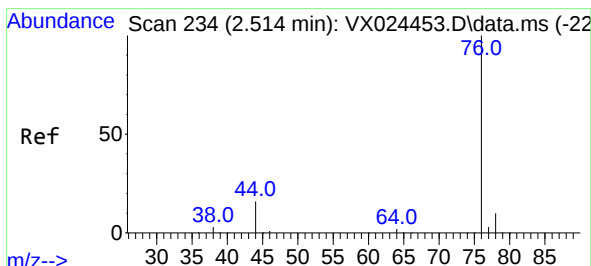
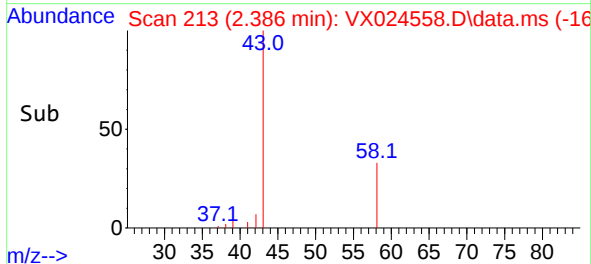
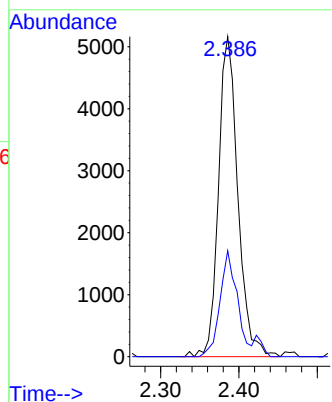
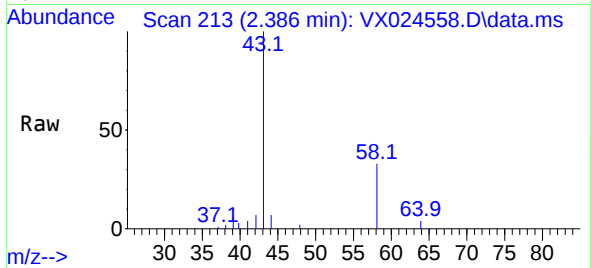




#16
Acetone
Concen: 1.715 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

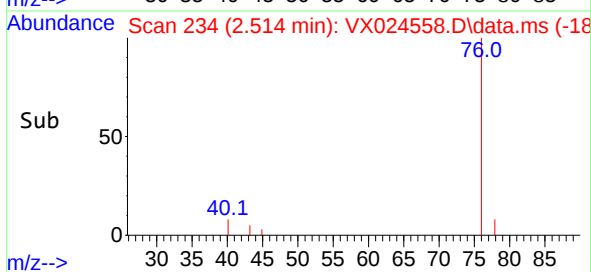
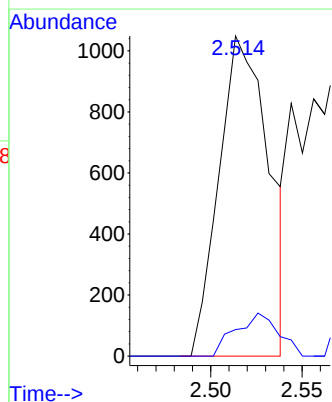
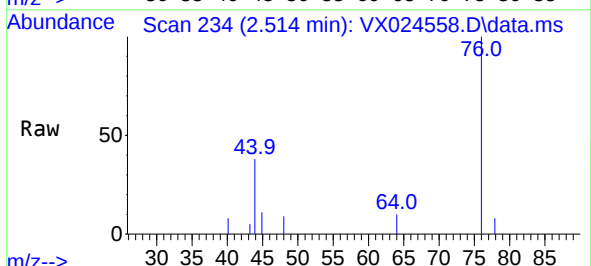
Instrument :
MSVOA_X
ClientSampled :
MW-8

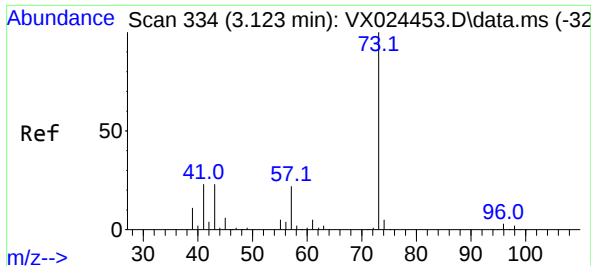
Tgt Ion: 43 Resp: 8884
Ion Ratio Lower Upper
43 100
58 33.1 27.8 41.8



#17
Carbon Disulfide
Concen: 0.888 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 76 Resp: 1988
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8

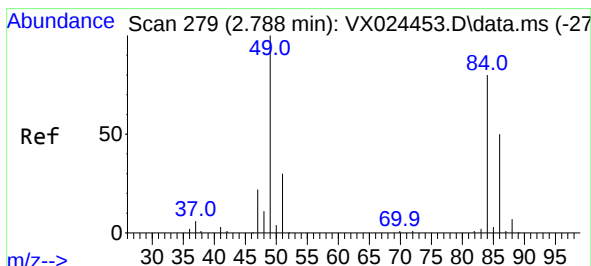
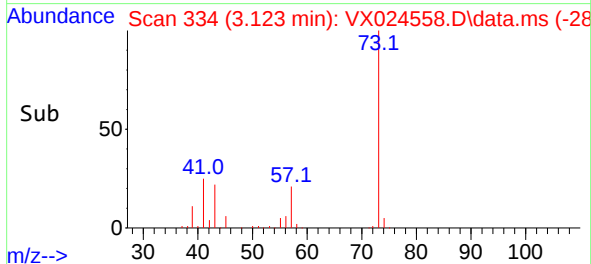
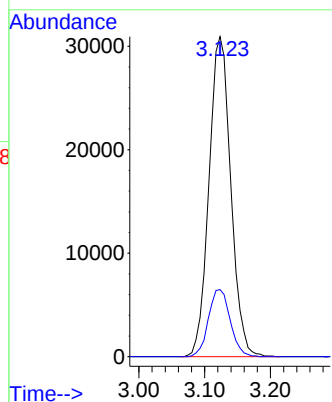
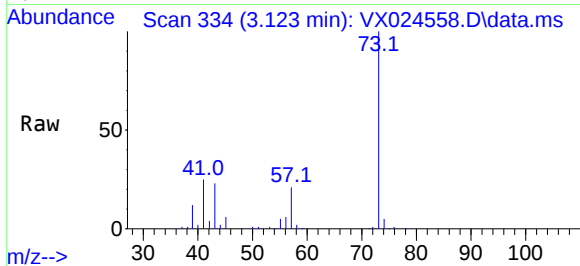




#19
Methyl tert-butyl Ether
Concen: 16.282 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

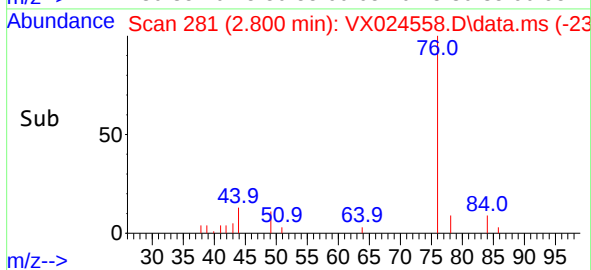
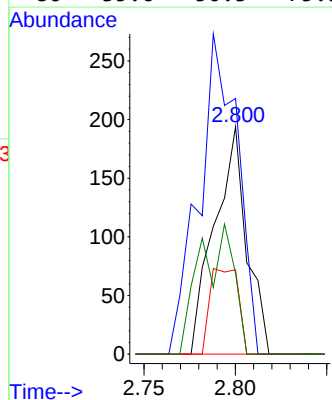
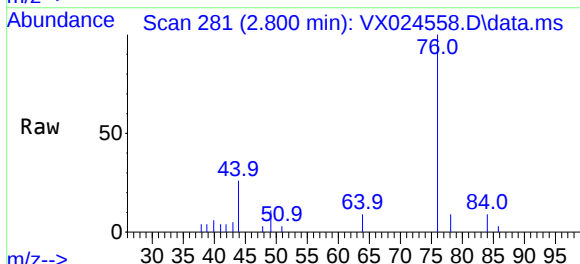
Instrument :
MSVOA_X
ClientSampled :
MW-8

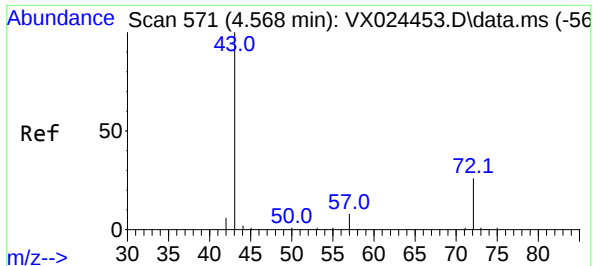
Tgt Ion: 73 Resp: 71296
Ion Ratio Lower Upper
73 100
57 21.0 17.1 25.7



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 84 Resp: 238
Ion Ratio Lower Upper
84 100
49 112.4 88.6 132.8
51 37.1 27.0 40.6
86 35.6 50.3 75.5#

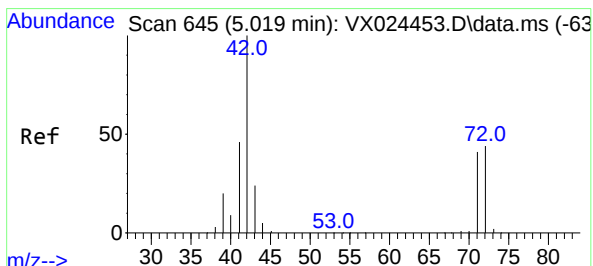
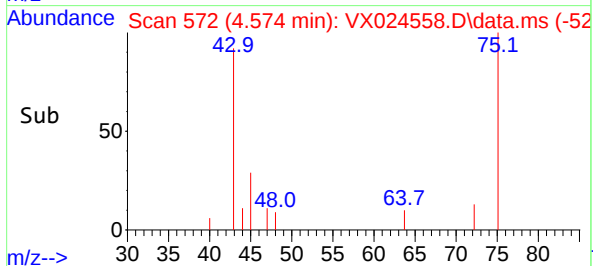
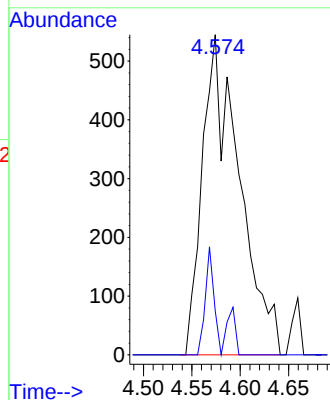
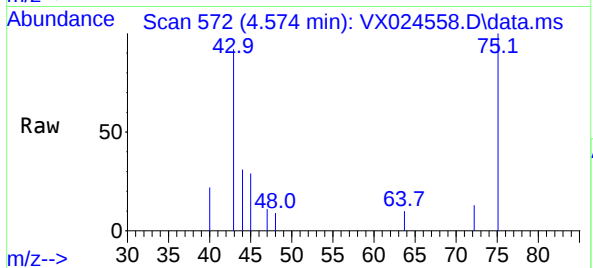




#25
2-Butanone
Concen: 1.175 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

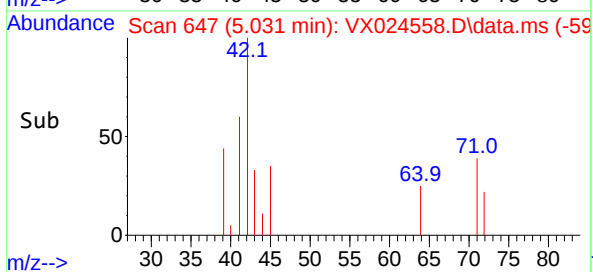
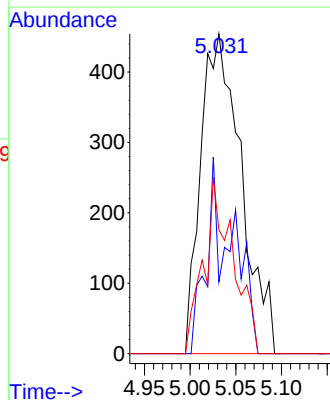
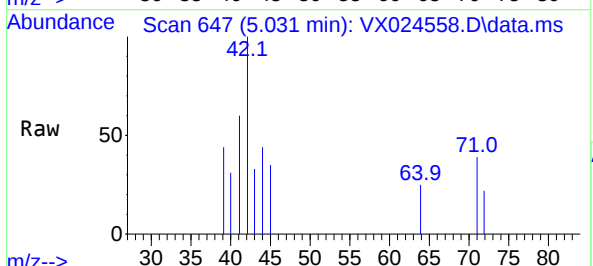
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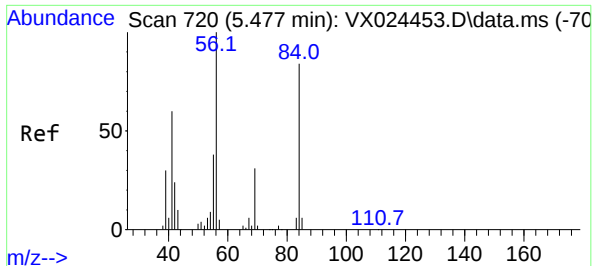
Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
72 13.8 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.785 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 42 Resp: 1399
Ion Ratio Lower Upper
42 100
72 25.6 41.7 62.5#
71 39.7 38.4 57.6

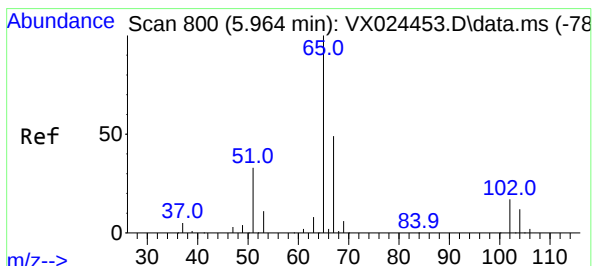
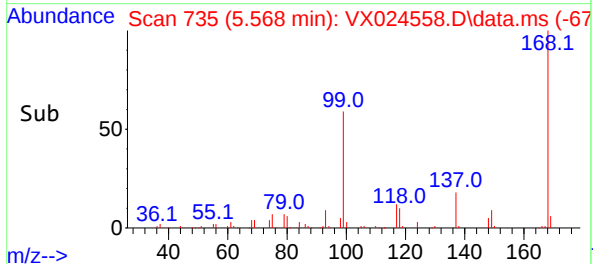
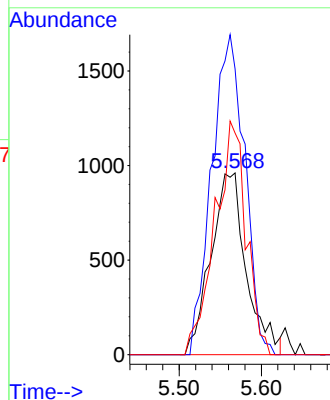
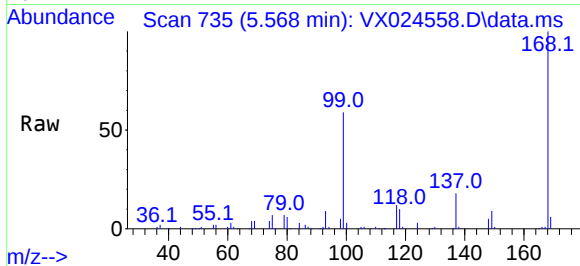




#31
Cyclohexane
Concen: 1.347 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

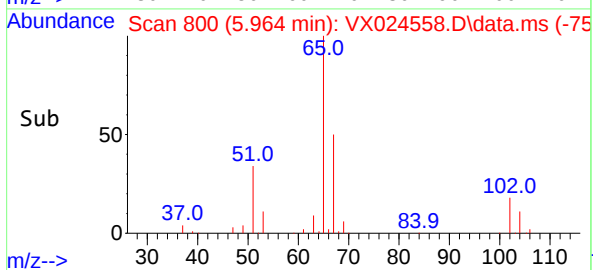
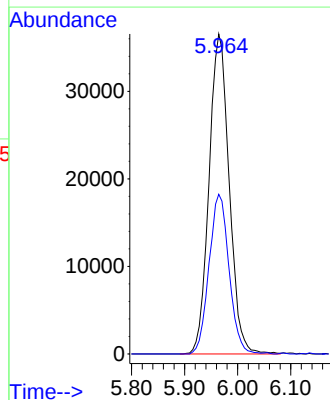
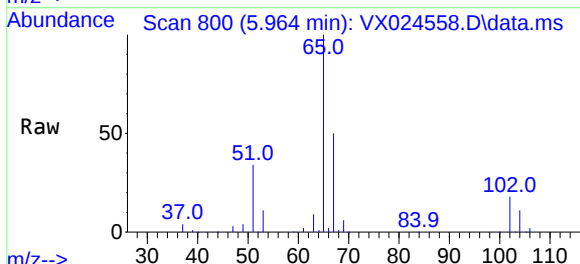
Instrument :
MSVOA_X
ClientSampled :
MW-8

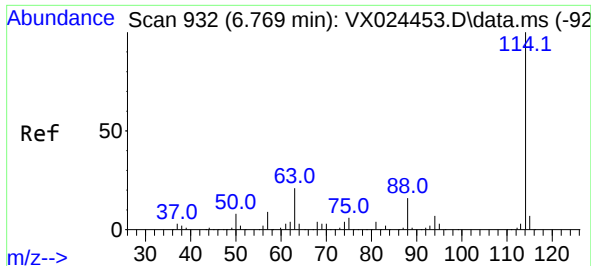
Tgt Ion: 56 Resp: 2882
Ion Ratio Lower Upper
56 100
69 157.2 25.3 37.9#
84 122.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.933 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 65 Resp: 96344
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

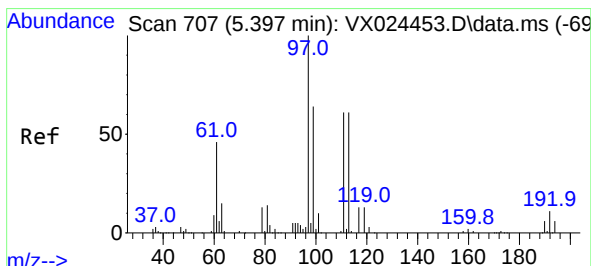
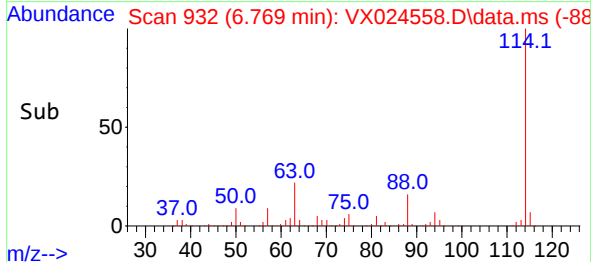
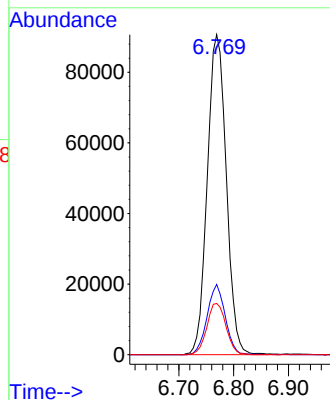
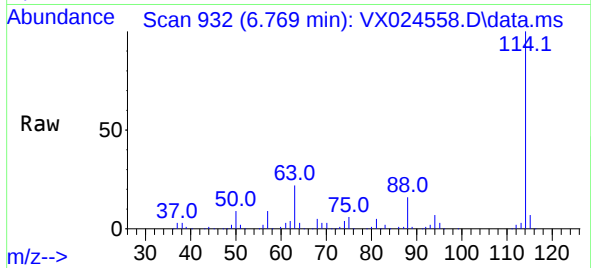




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

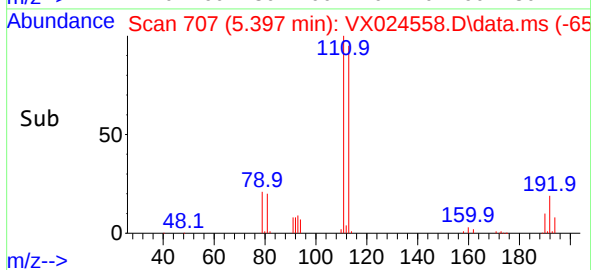
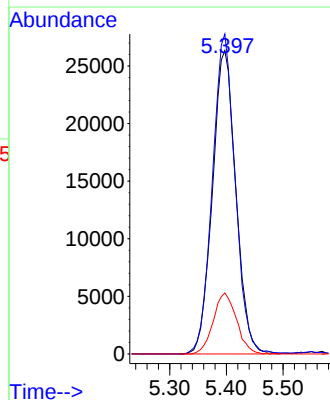
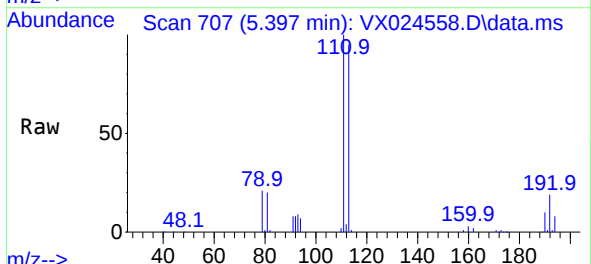
Instrument :
MSVOA_X
ClientSampleId :
MW-8

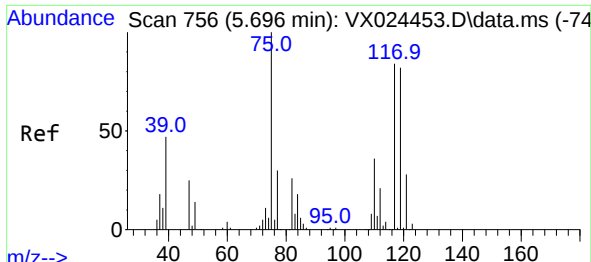
Tgt Ion:114 Resp: 218083
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.142 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion:113 Resp: 75542
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.9 16.7 25.1

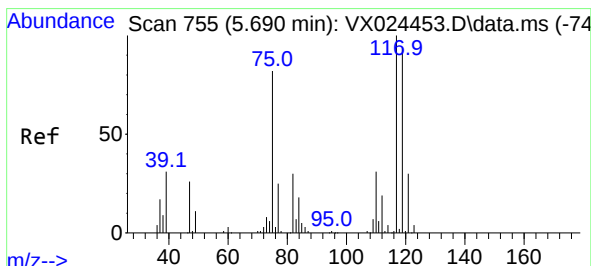
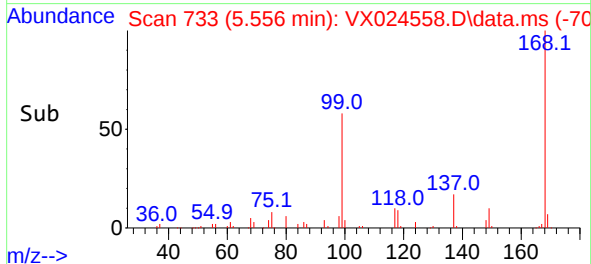
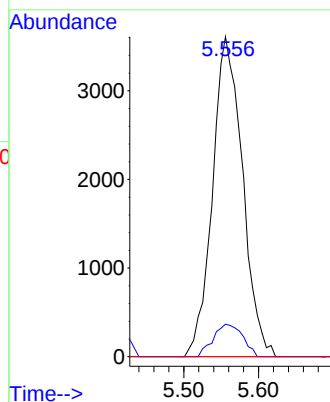
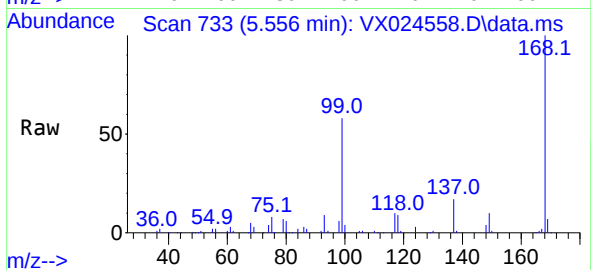




#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

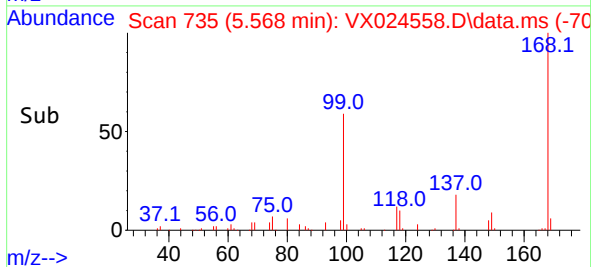
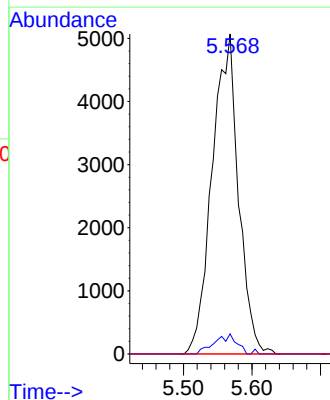
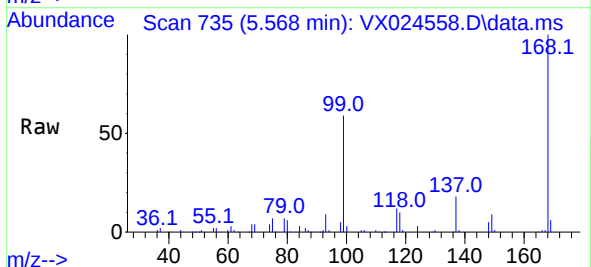
Instrument :
MSVOA_X
ClientSampled :
MW-8

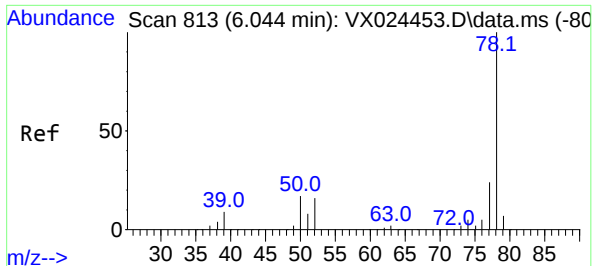
Tgt Ion: 75 Resp: 10059
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 117 Resp: 13502
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.2#
121 0.0 24.8 37.2#

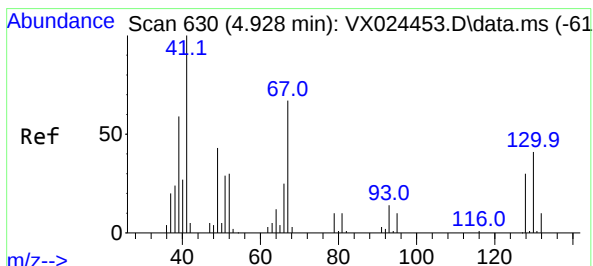
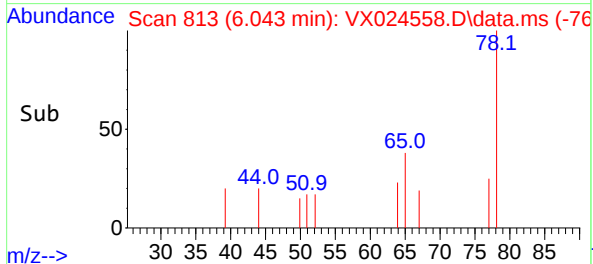
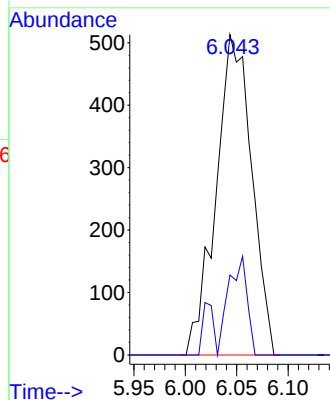
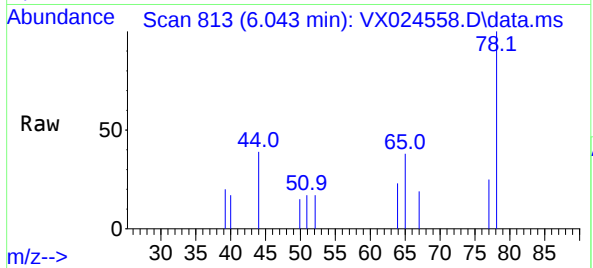




#40
Benzene
Concen: 0.207 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

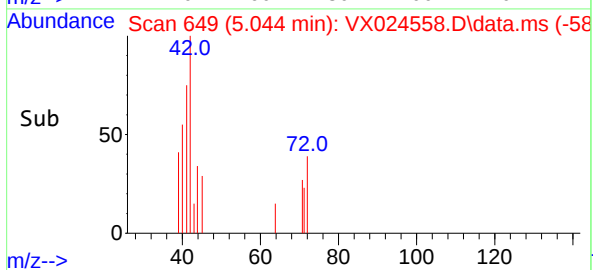
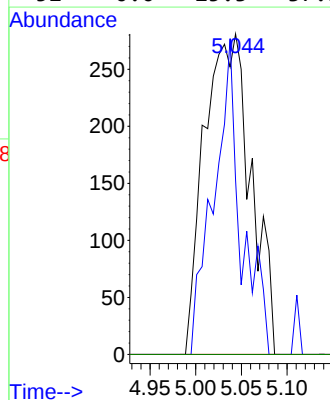
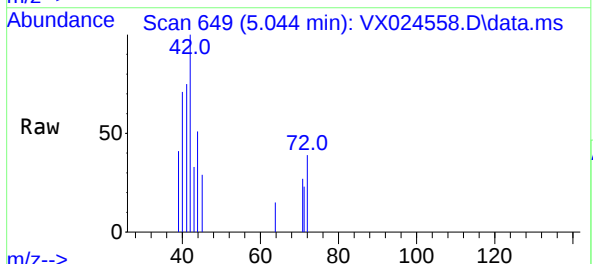
Instrument :
MSVOA_X
ClientSampled :
MW-8

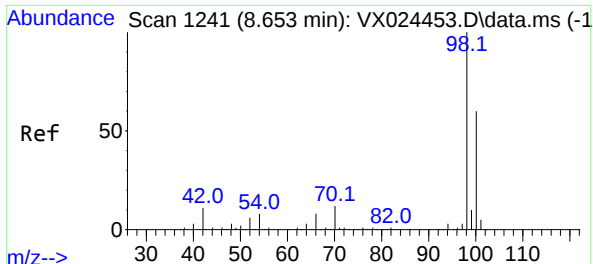
Tgt Ion: 78 Resp: 1239
Ion Ratio Lower Upper
78 100
77 25.0 18.9 28.3



#41
Methacrylonitrile
Concen: 0.740 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 41 Resp: 997
Ion Ratio Lower Upper
41 100
39 58.0 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 50.351 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024558.D

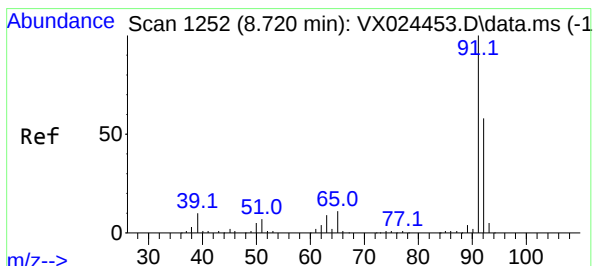
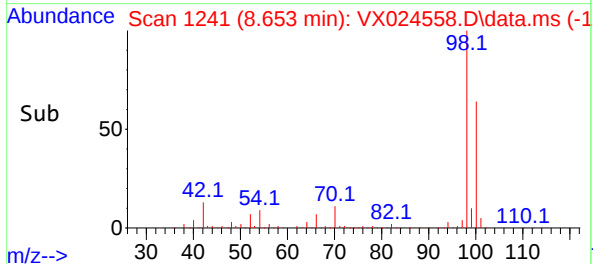
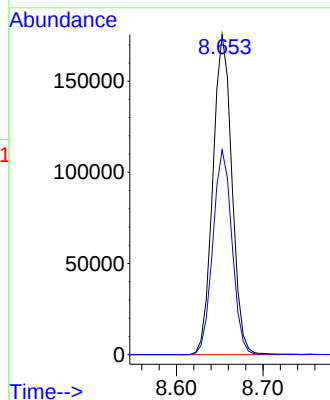
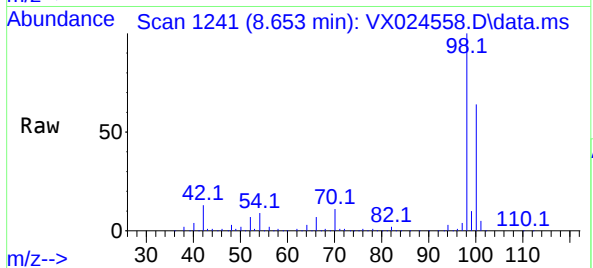
Acq: 05 Oct 2021 07:13

Tgt Ion: 98 Resp: 268487

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#52

Toluene

Concen: 0.245 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX024558.D

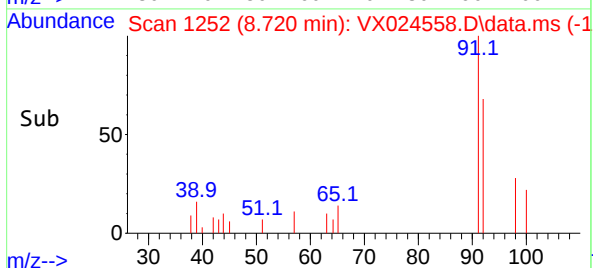
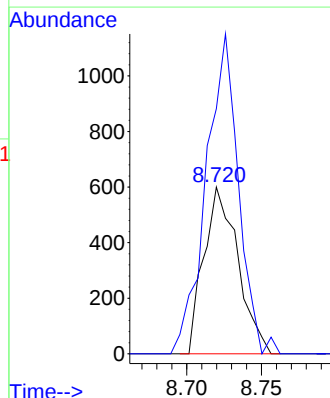
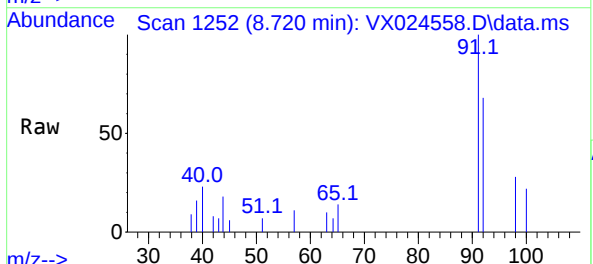
Acq: 05 Oct 2021 07:13

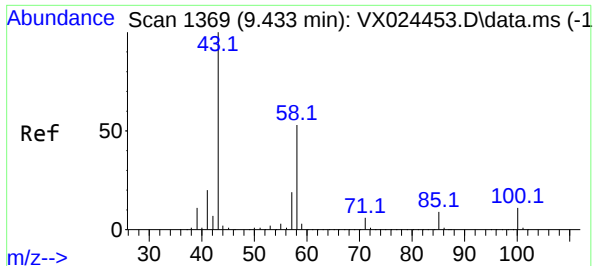
Tgt Ion: 92 Resp: 948

Ion Ratio Lower Upper

92 100

91 183.0 137.1 205.7

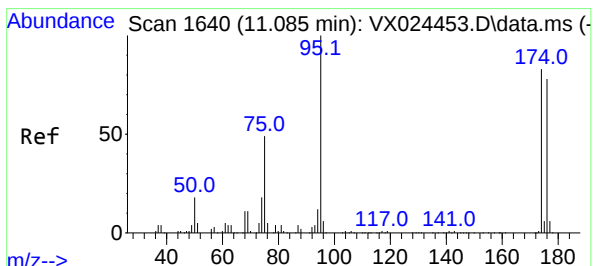
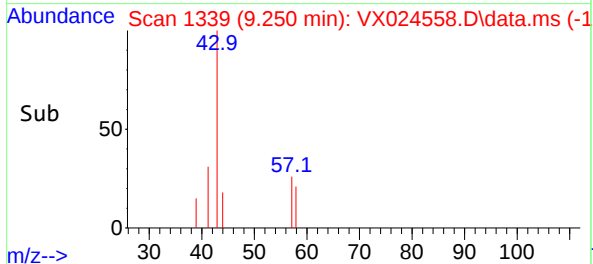
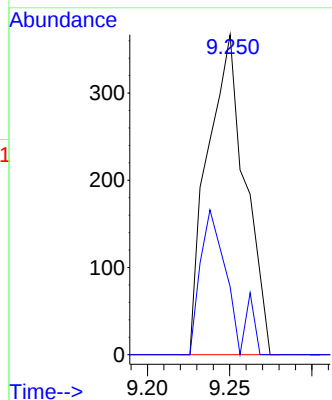
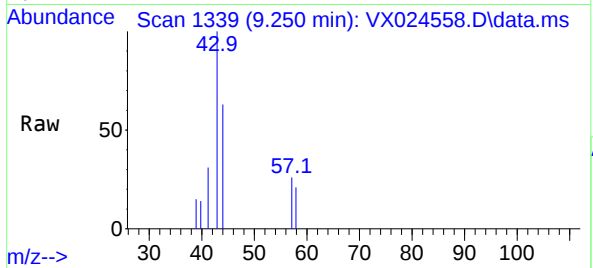




#59
2-Hexanone
Concen: 0.283 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. -0.183 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

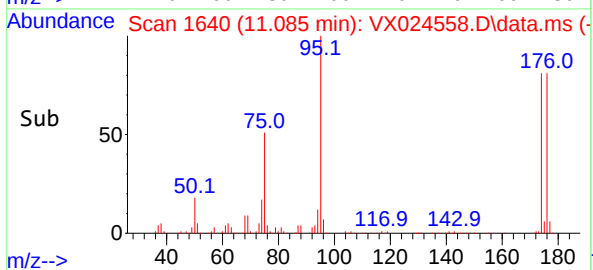
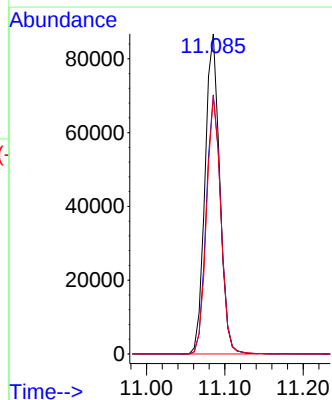
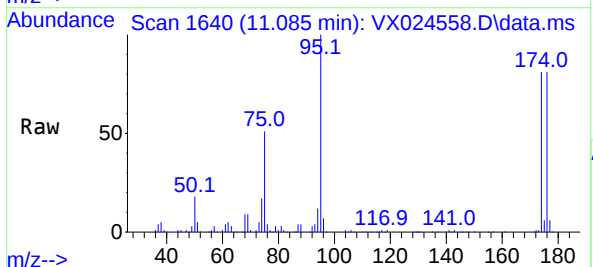
Instrument :
MSVOA_X
ClientSampled :
MW-8

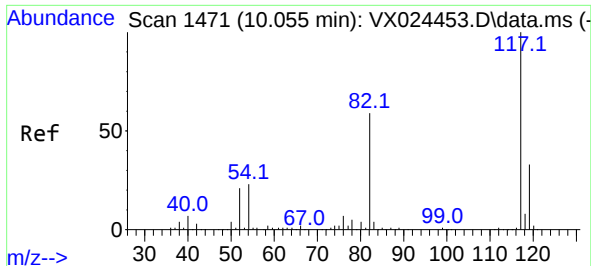
Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
58 34.0 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 53.655 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 95 Resp: 112491
Ion Ratio Lower Upper
95 100
174 80.2 0.0 154.6
176 78.5 0.0 155.8

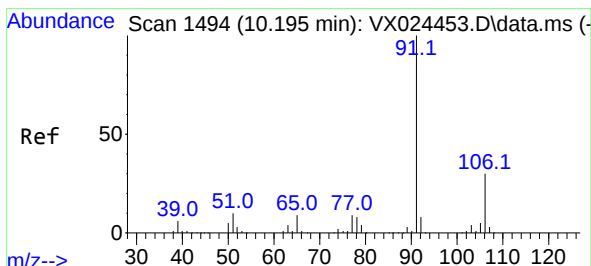
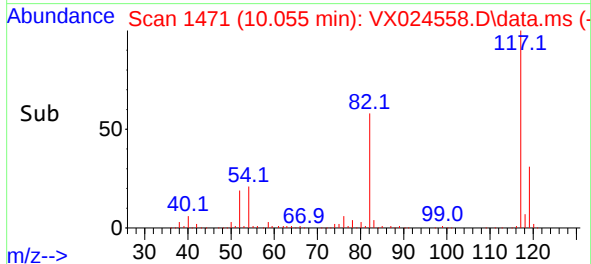
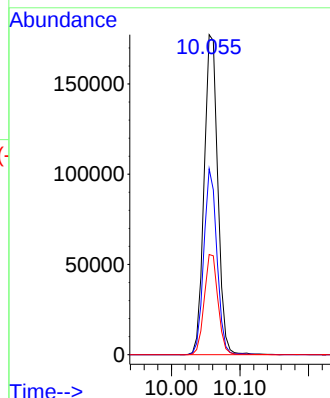
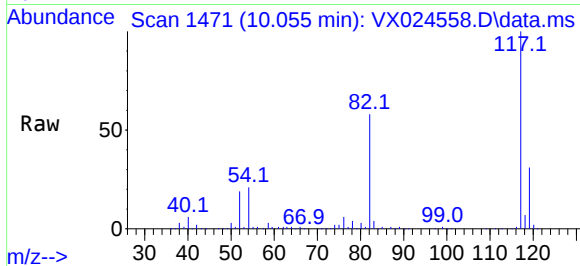




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

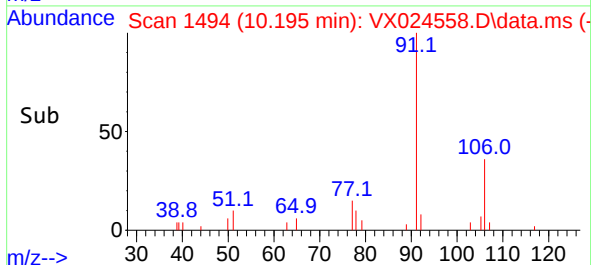
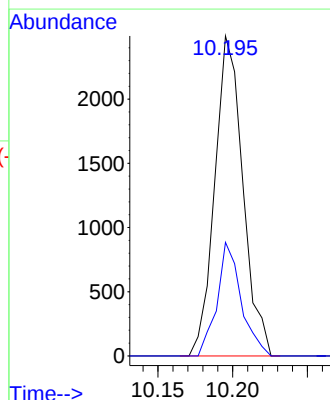
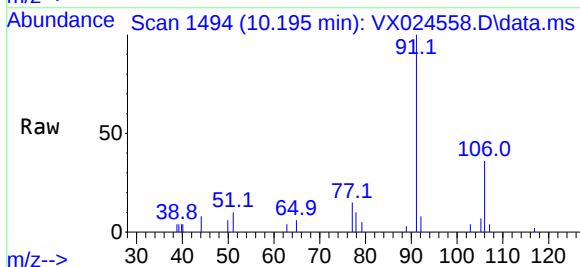
Instrument :
MSVOA_X
ClientSampleId :
MW-8

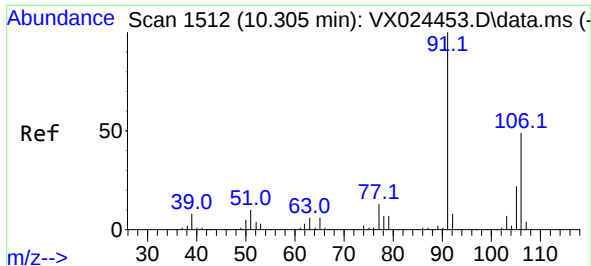
Tgt Ion:117 Resp: 246421
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 31.3 26.6 39.8



#67
Ethyl Benzene
Concen: 0.358 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion: 91 Resp: 3257
Ion Ratio Lower Upper
91 100
106 35.5 24.6 37.0

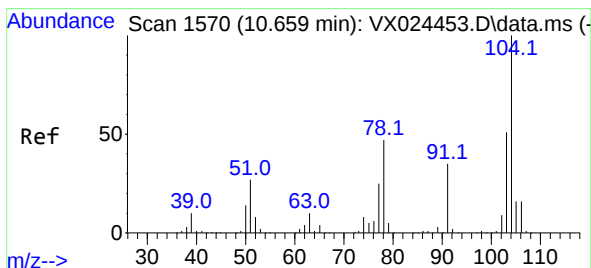
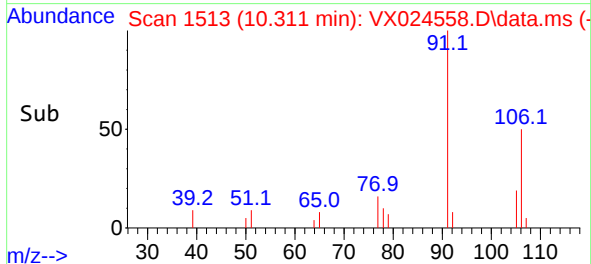
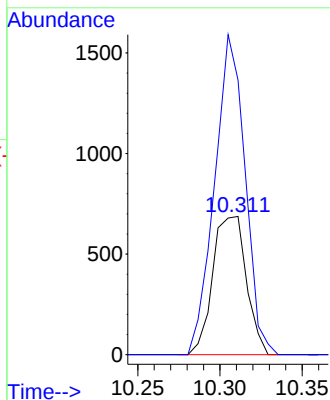
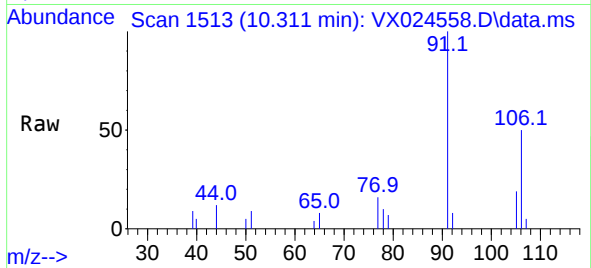




#68
m/p-Xylenes
Concen: 0.280 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

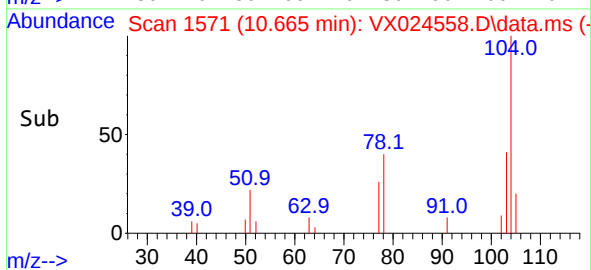
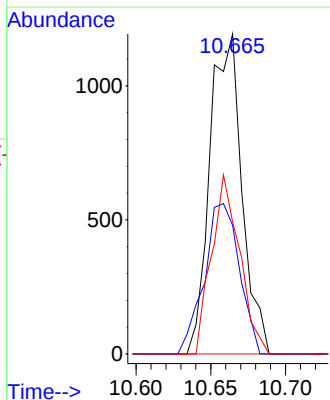
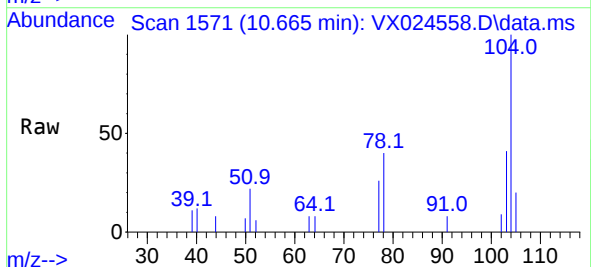
Instrument :
MSVOA_X
ClientSampled :
MW-8

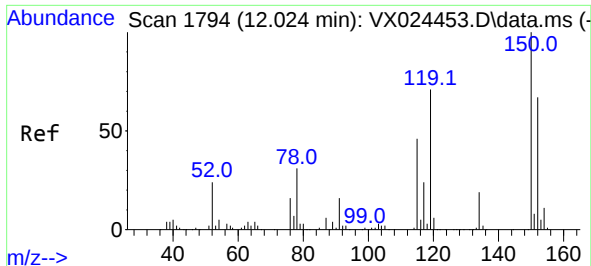
Tgt Ion:106 Resp: 977
Ion Ratio Lower Upper
106 100
91 209.9 162.8 244.2



#70
Styrene
Concen: 0.309 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Tgt Ion:104 Resp: 1778
Ion Ratio Lower Upper
104 100
78 51.5 40.0 60.0
103 49.0 43.4 65.0

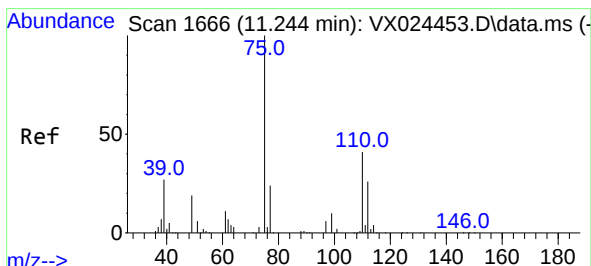
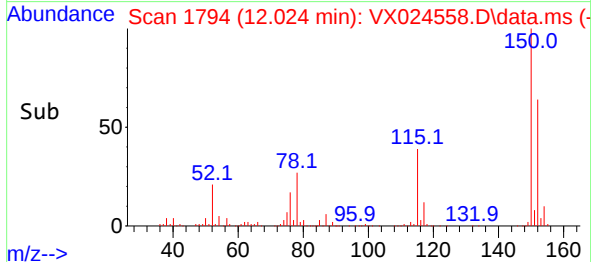
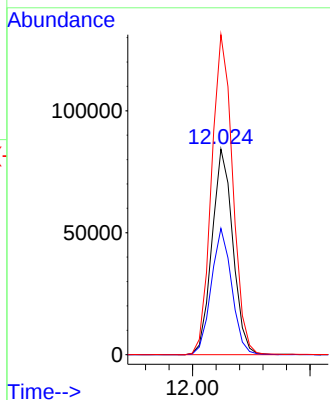
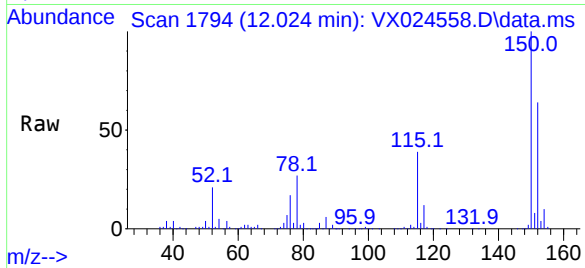




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

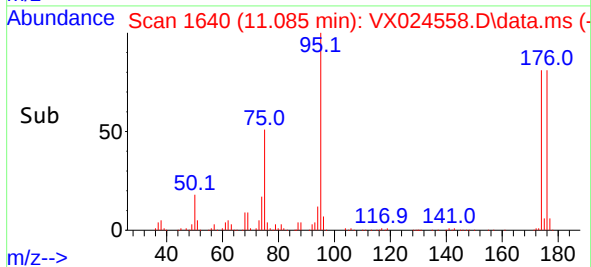
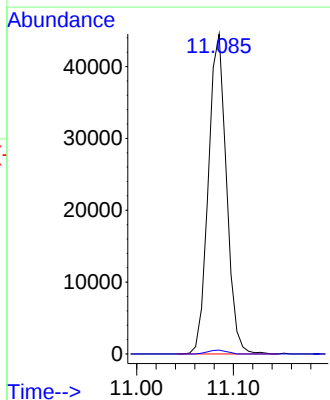
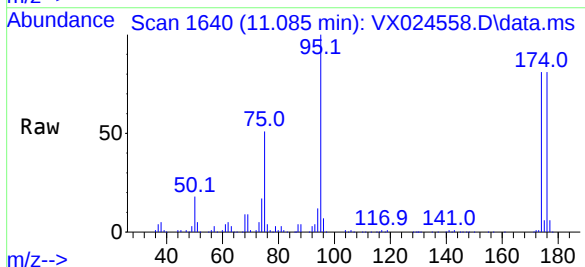
Instrument :
MSVOA_X
ClientSampled :
MW-8

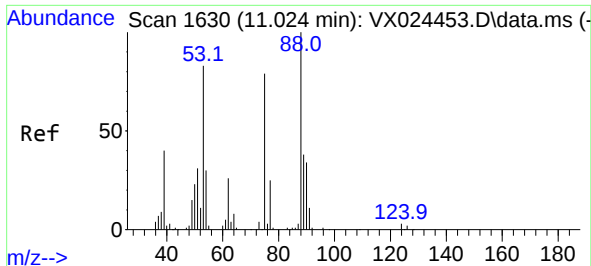
Tgt Ion:152 Resp: 104212
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 157.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.379 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

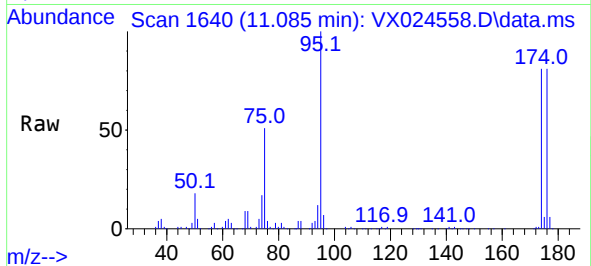
Tgt Ion: 75 Resp: 57694
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.527 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024558.D
Acq: 05 Oct 2021 07:13

Instrument :
MSVOA_X
ClientSampleId :
MW-8



Tgt Ion: 75 Resp: 57694
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

