

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024556.D
 Acq On : 05 Oct 2021 06:26
 Operator : JC/MD
 Sample : M3989-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Oct 05 08:36:05 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)

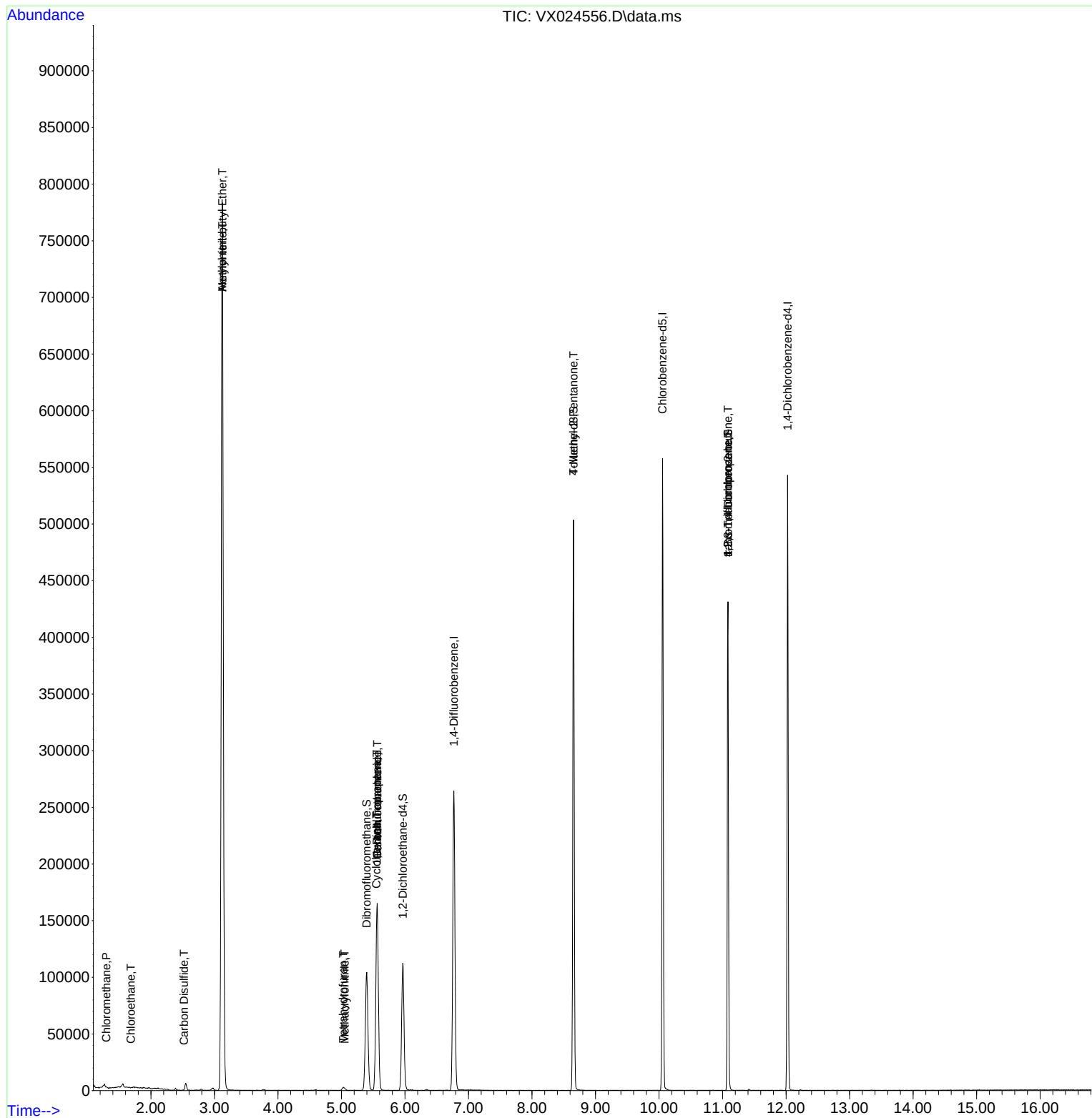
Internal Standards						
1) Pentafluorobenzene	5.562	168	155550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	270876	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112555	51.341	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.680%		
35) Dibromofluoromethane	5.397	113	90353	50.210	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.420%		
50) Toluene-d8	8.653	98	286099	43.197	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 86.400%#		
62) 4-Bromofluorobenzene	11.085	95	114891	44.120	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 88.240%		
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	372	0.252	ug/l	97
6) Chloroethane	1.685	64	54	0.311	ug/l #	43
11) Tert butyl alcohol	2.971	59	2511	Below Cal	#	73
15) Acrylonitrile	3.123	53	9302	9.340	ug/l #	28
16) Acetone	2.386	43	1957	Below Cal		96
17) Carbon Disulfide	2.520	76	180	0.276	ug/l #	75
19) Methyl tert-butyl Ether	3.123	73	858446	159.748	ug/l	100
20) Methylene Chloride	2.794	84	569	Below Cal	#	70
29) Tetrahydrofuran	5.025	42	2592	2.694	ug/l #	87
31) Cyclohexane	5.550	56	1523	0.580	ug/l #	5
36) 1,1-Dichloropropene	5.556	75	11527	4.439	ug/l #	49
38) Carbon Tetrachloride	5.562	117	16597	5.872	ug/l #	17
41) Methacrylonitrile	5.050	41	1582	0.945	ug/l #	44
51) 4-Methyl-2-Pentanone	8.653	43	1346	0.414	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	60032	24.525	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60032	66.916	ug/l #	12

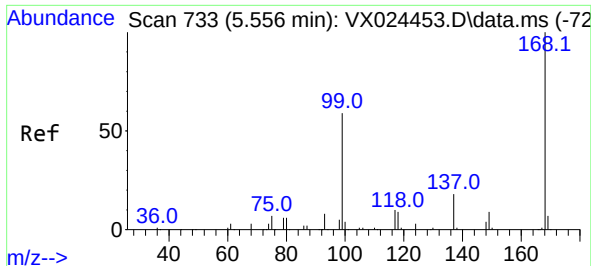
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 08:36:05 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

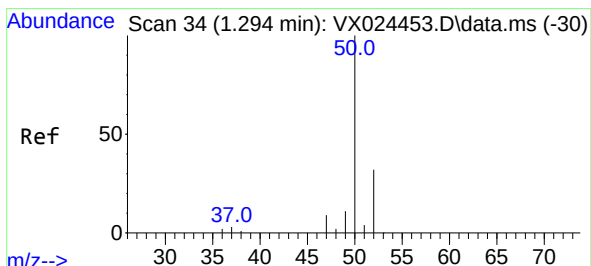
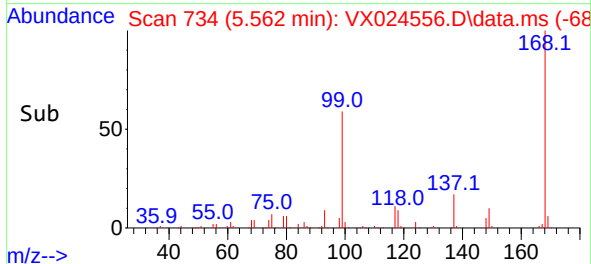
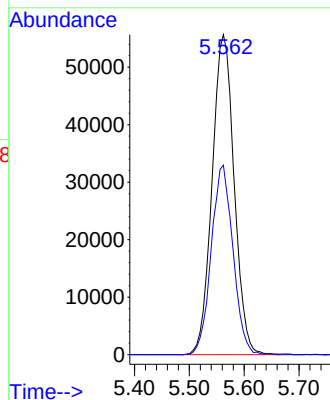
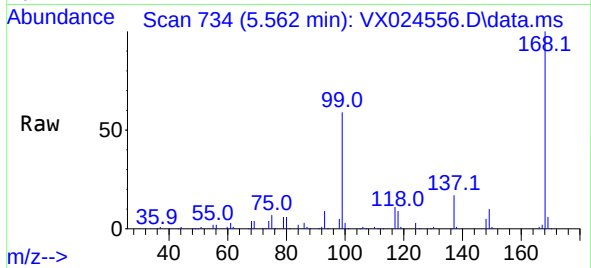




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

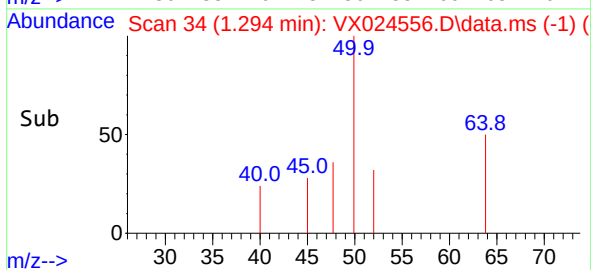
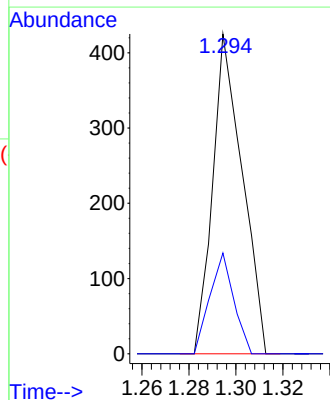
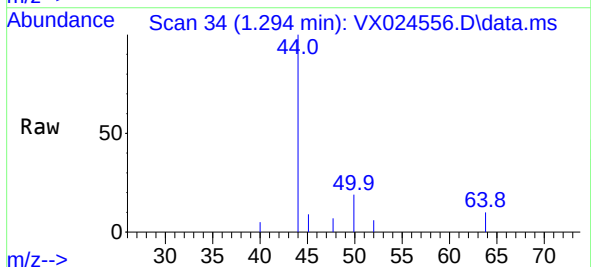
Instrument :
MSVOA_X
ClientSampled :
MW-4

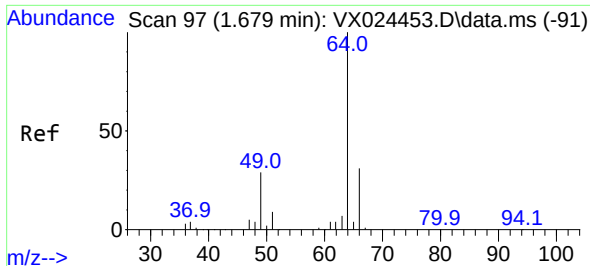
Tgt Ion:168 Resp: 155550
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 50 Resp: 372
Ion Ratio Lower Upper
50 100
52 31.5 26.4 39.6

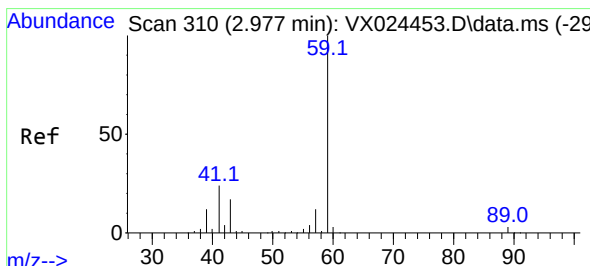
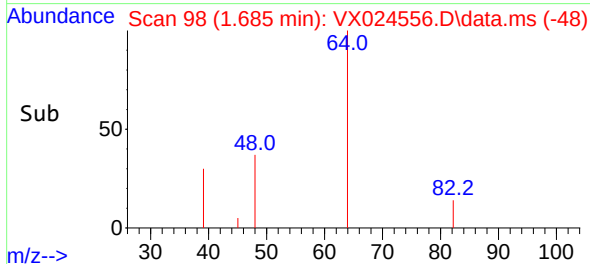
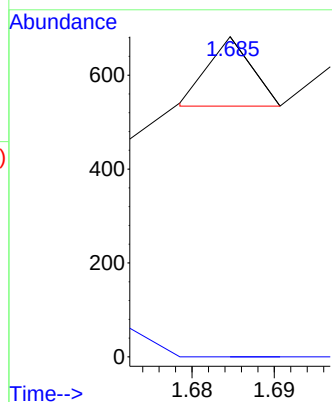
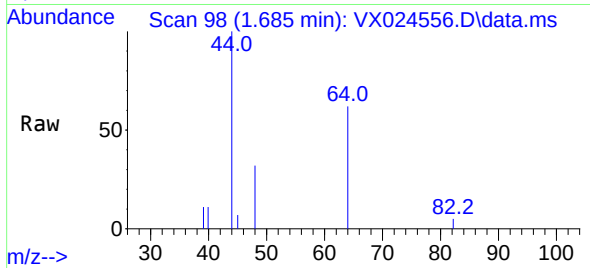




#6
Chloroethane
Concen: 0.311 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

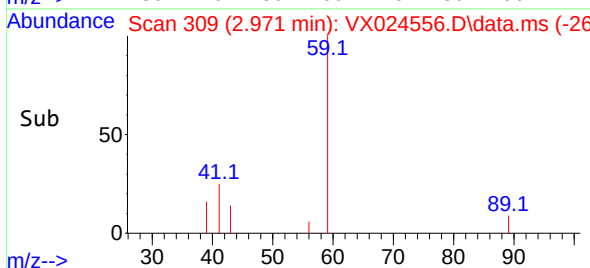
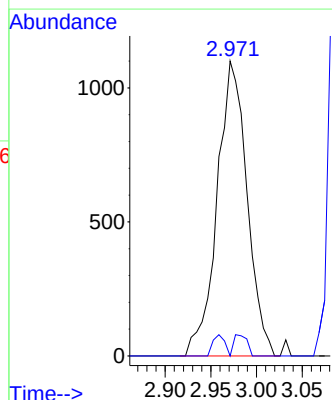
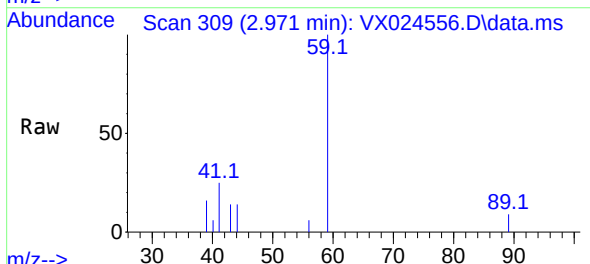
Instrument :
MSVOA_X
ClientSampled :
MW-4

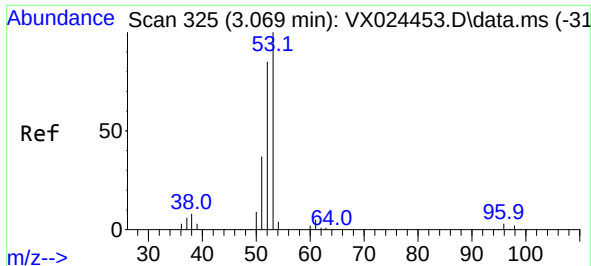
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 59 Resp: 2511
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

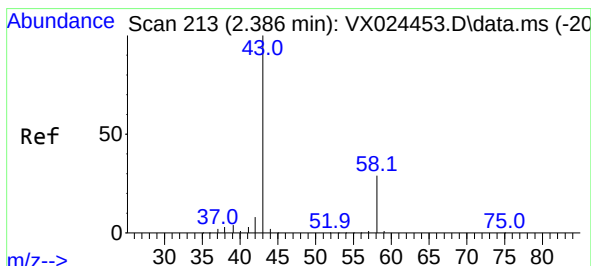
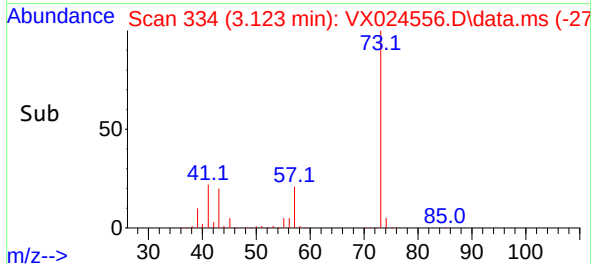
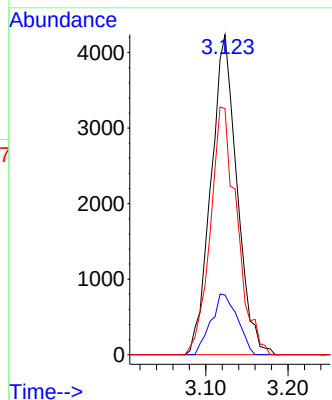
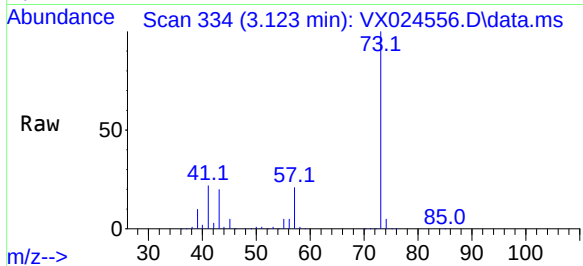




#15
Acrylonitrile
Concen: 9.340 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.054 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

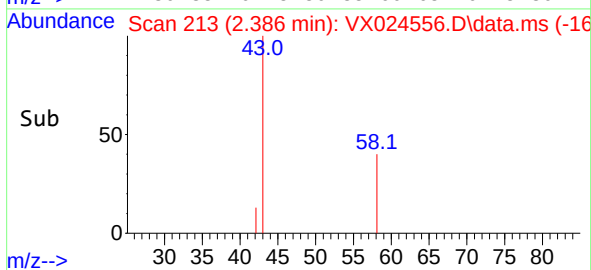
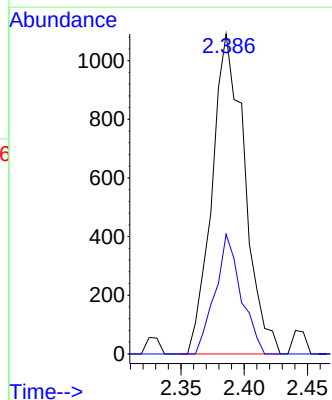
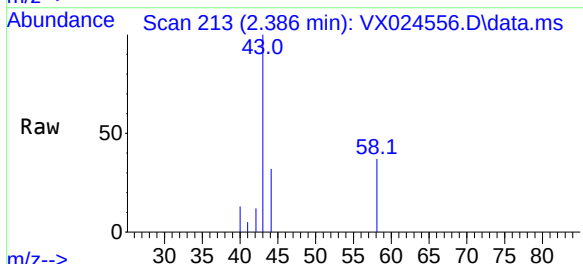
Instrument :
MSVOA_X
ClientSampled :
MW-4

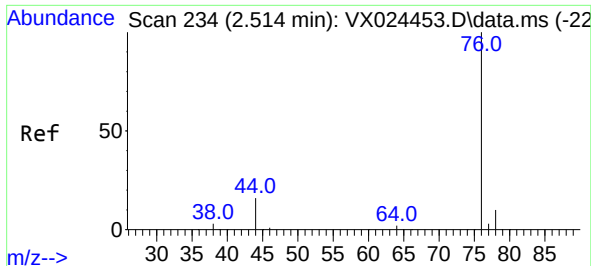
Tgt Ion: 53 Resp: 9302
Ion Ratio Lower Upper
53 100
52 19.2 65.3 97.9#
51 79.3 28.2 42.2#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 43 Resp: 1957
Ion Ratio Lower Upper
43 100
58 37.4 27.8 41.8

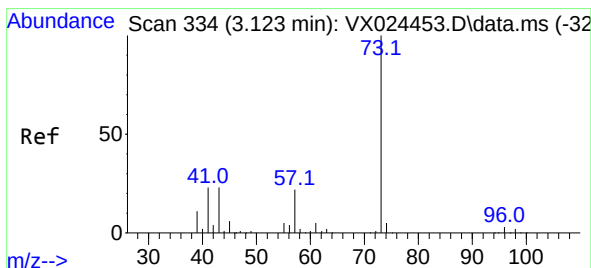
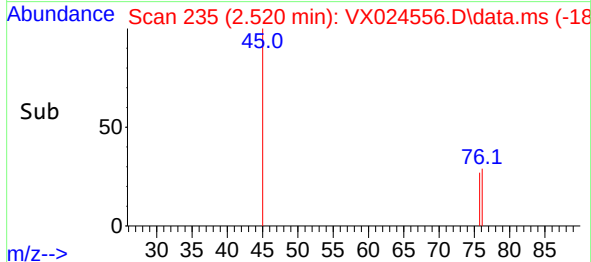
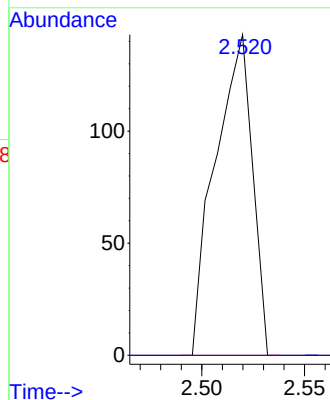
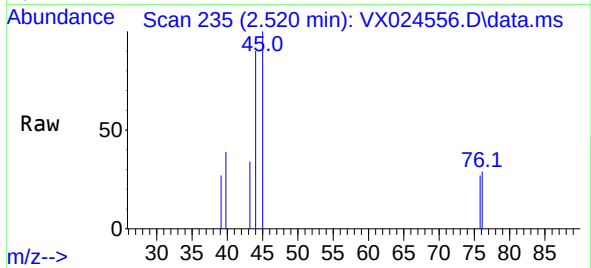




#17
Carbon Disulfide
Concen: 0.276 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

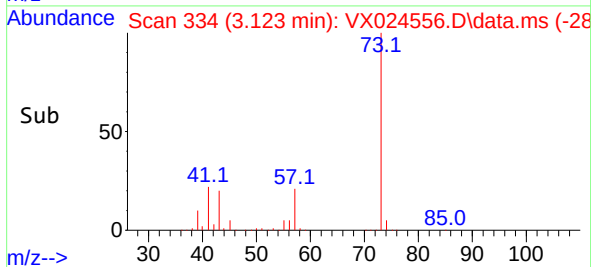
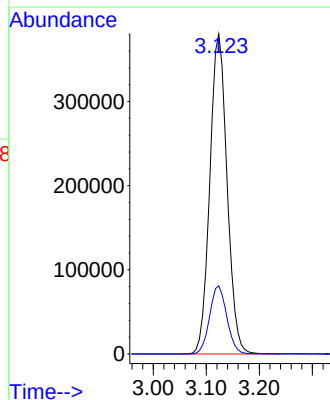
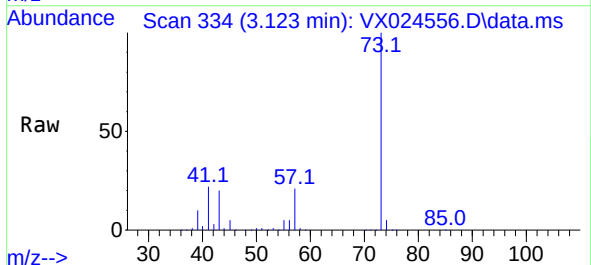
Instrument :
MSVOA_X
ClientSampleId :
MW-4

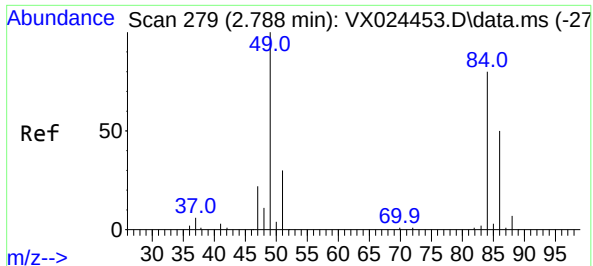
Tgt Ion: 76 Resp: 180
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 159.748 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 73 Resp: 858446
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7



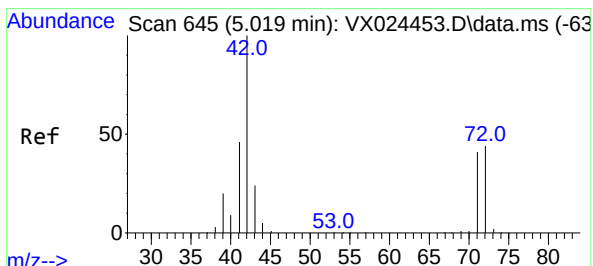
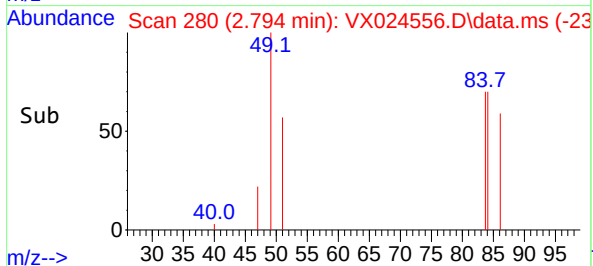
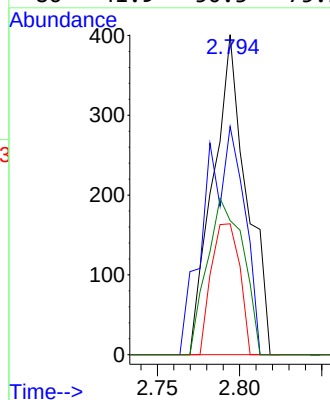
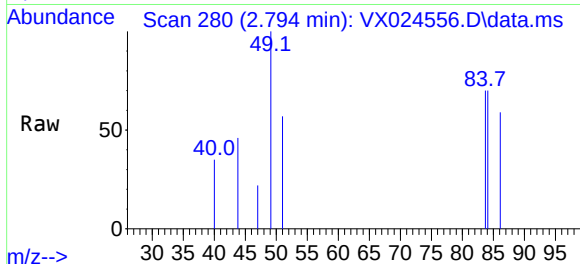


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion: 84 Resp: 569

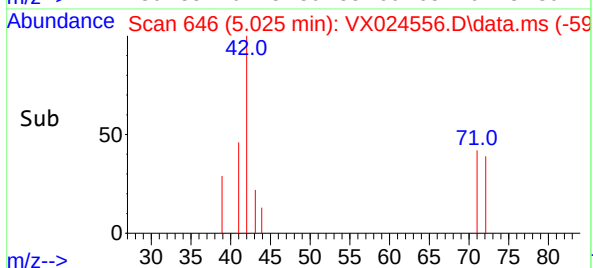
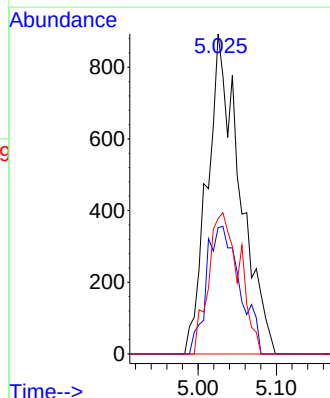
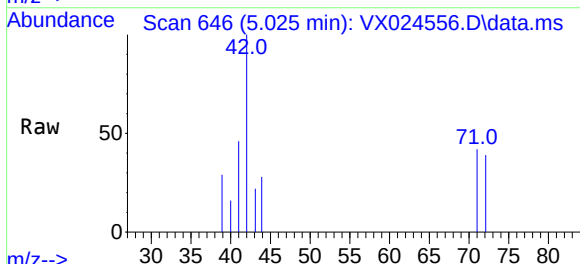
Ion	Ratio	Lower	Upper
84	100		
49	71.3	88.6	132.8#
51	40.9	27.0	40.6#
86	41.9	50.3	75.5#

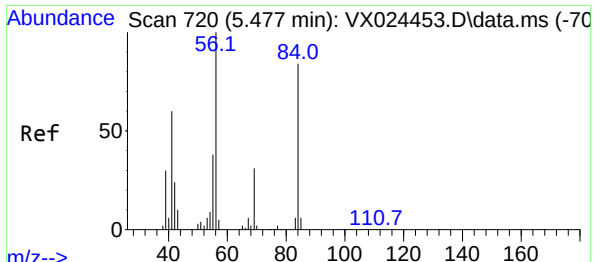


#29
Tetrahydrofuran
Concen: 2.694 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 42 Resp: 2592

Ion	Ratio	Lower	Upper
42	100		
72	40.5	41.7	62.5#
71	41.8	38.4	57.6

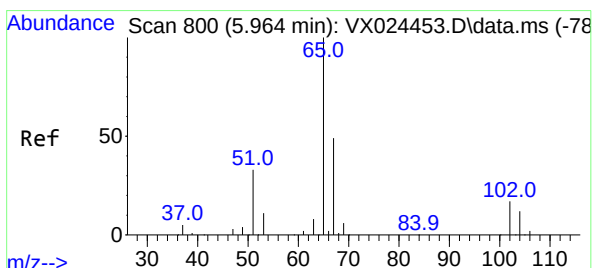
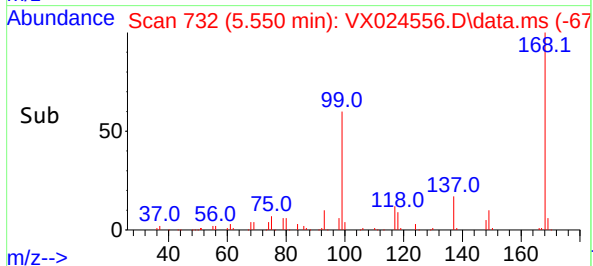
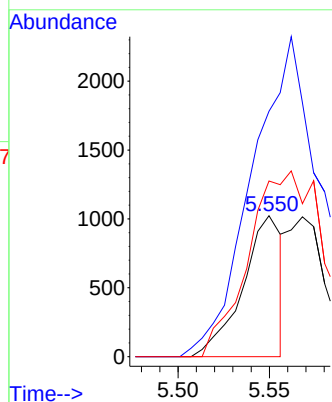
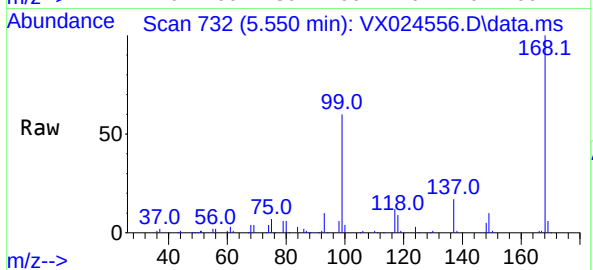




#31
Cyclohexane
Concen: 0.580 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

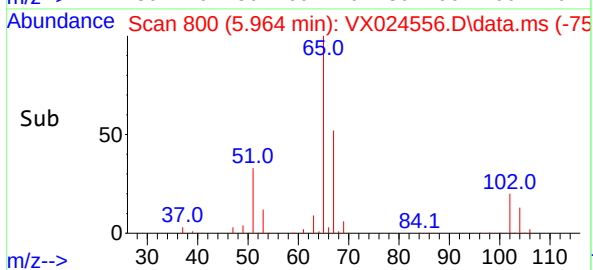
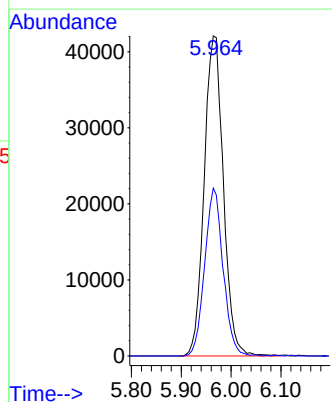
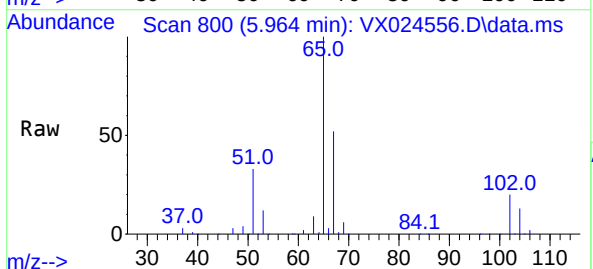
Instrument :
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ClientSampled :
MW-4

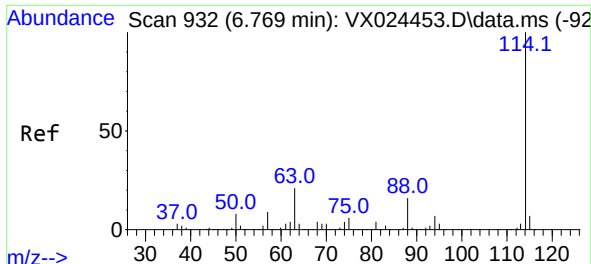
Tgt Ion: 56 Resp: 1523
Ion Ratio Lower Upper
56 100
69 174.2 25.3 37.9#
84 124.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.341 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 65 Resp: 112555
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

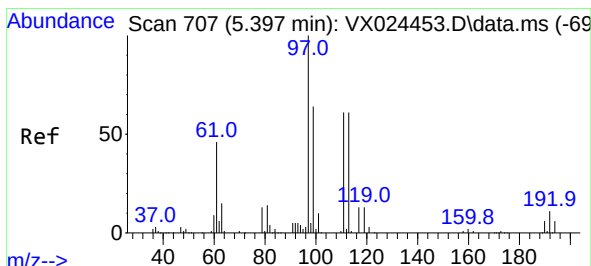
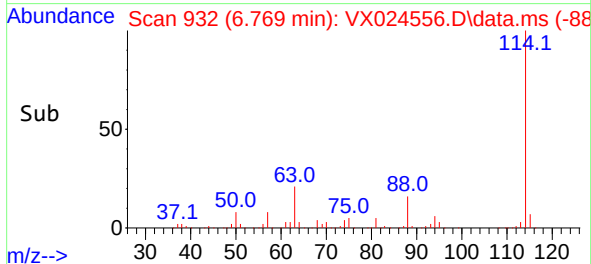
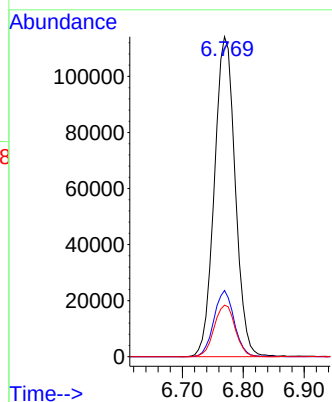
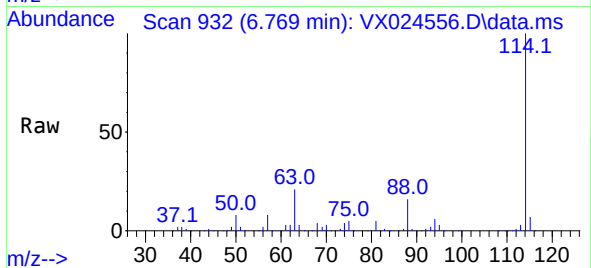




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

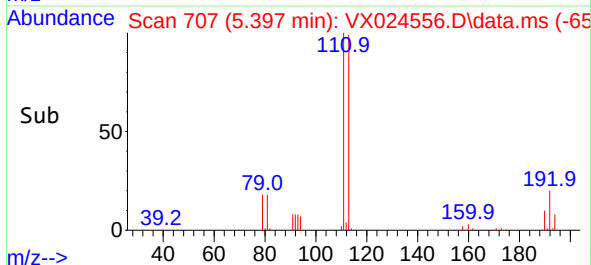
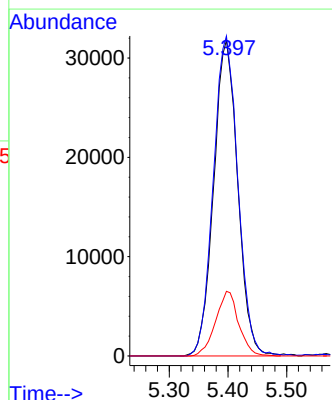
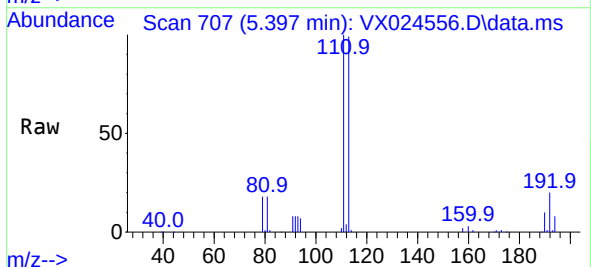
Instrument :
MSVOA_X
ClientSampled :
MW-4

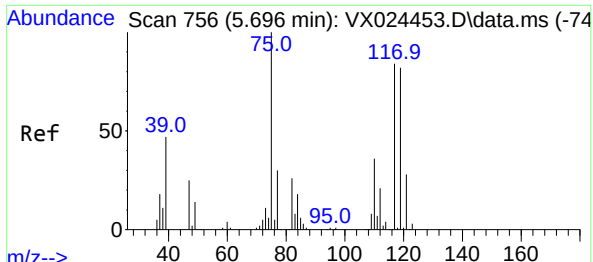
Tgt Ion:114 Resp: 270876
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.210 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion:113 Resp: 90353
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.6 16.7 25.1

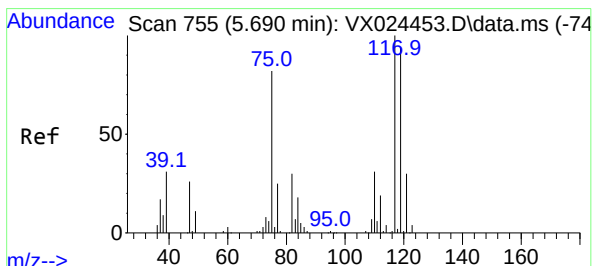
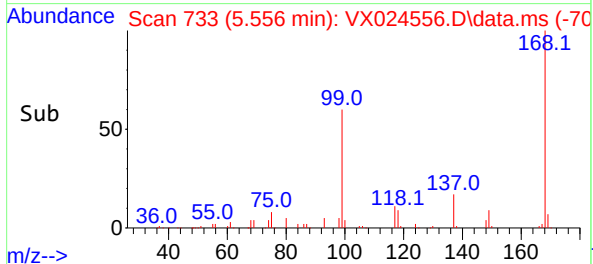
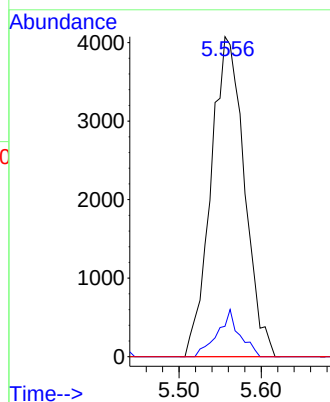
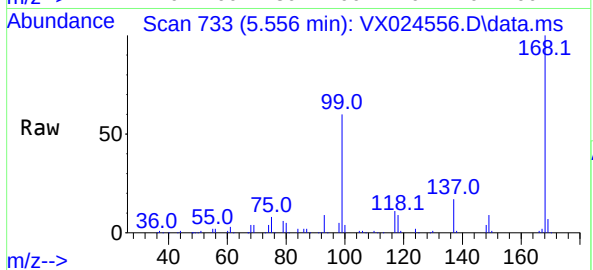




#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

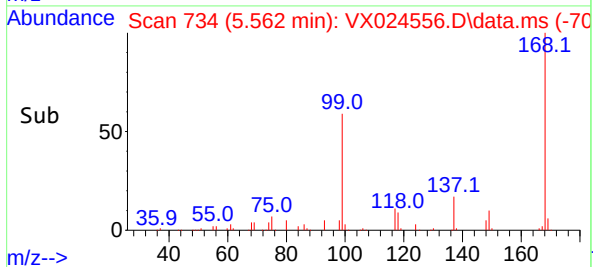
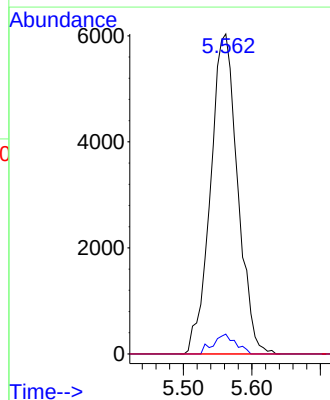
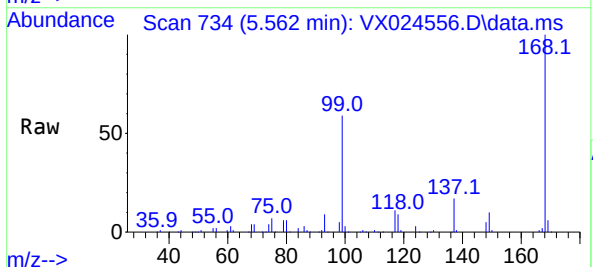
Instrument :
MSVOA_X
ClientSampled :
MW-4

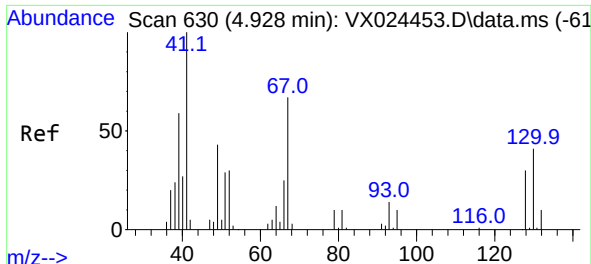
Tgt Ion: 75 Resp: 11527
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.872 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 117 Resp: 16597
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

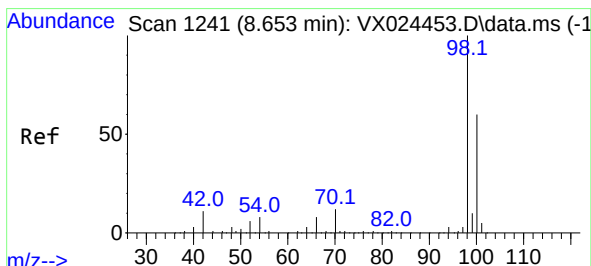
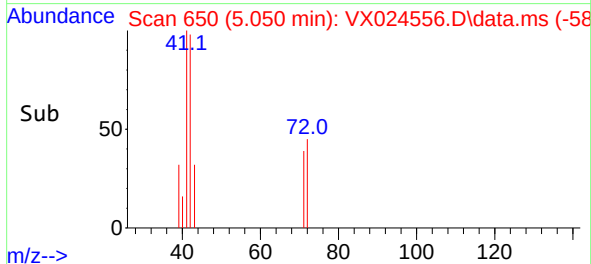
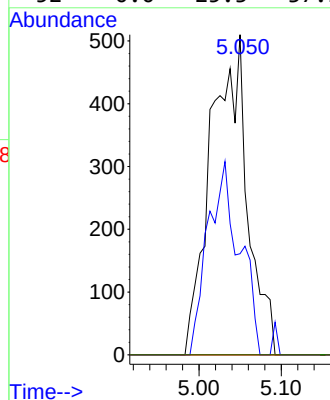
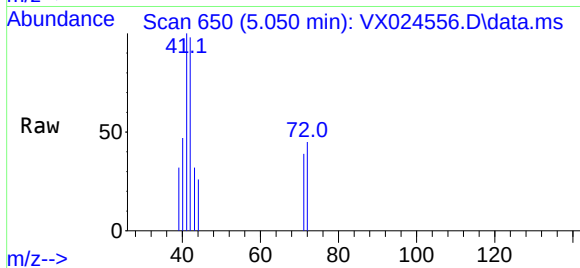




#41
Methacrylonitrile
Concen: 0.945 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.122 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

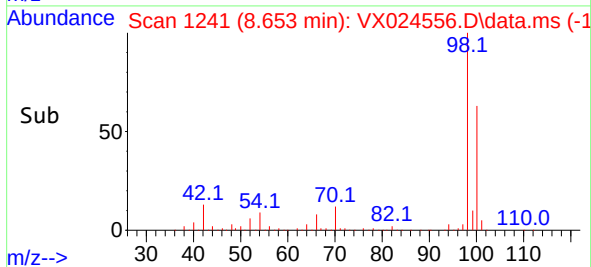
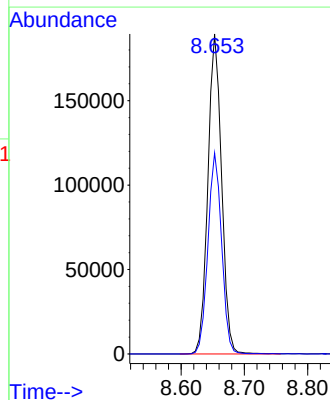
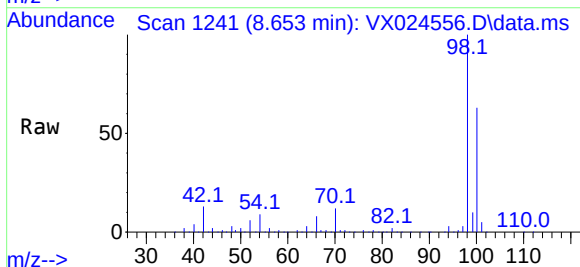
Instrument :
MSVOA_X
ClientSampled :
MW-4

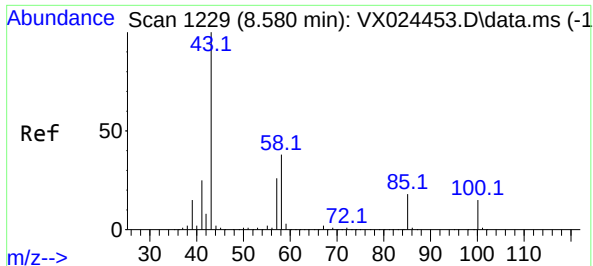
Tgt Ion: 41 Resp: 1582
Ion Ratio Lower Upper
41 100
39 52.1 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 43.197 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 98 Resp: 286099
Ion Ratio Lower Upper
98 100
100 62.7 51.9 77.9

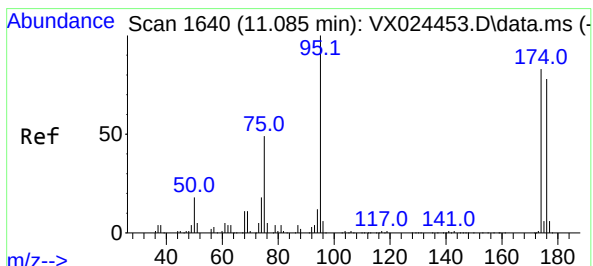
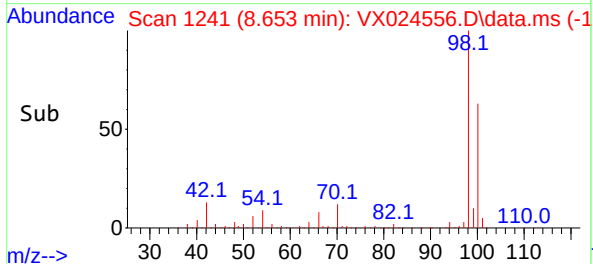
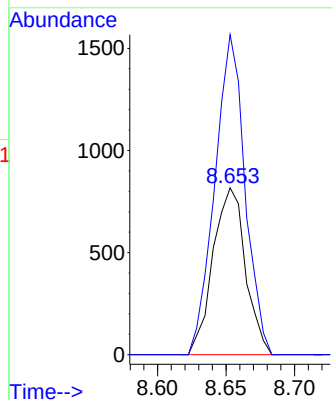
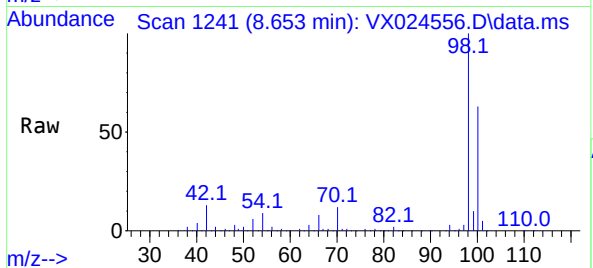




#51
4-Methyl-2-Pentanone
Concen: 0.414 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

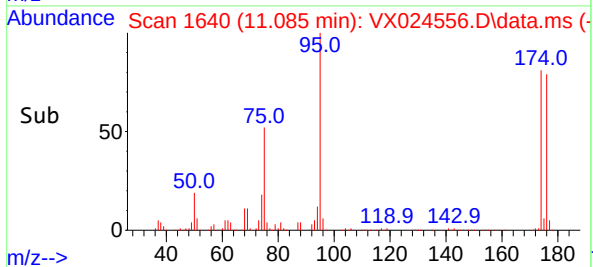
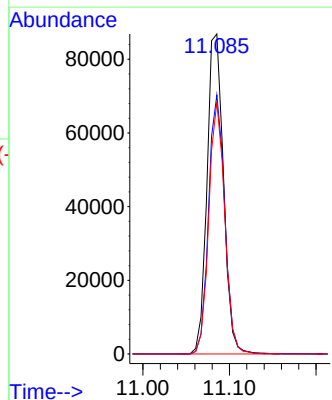
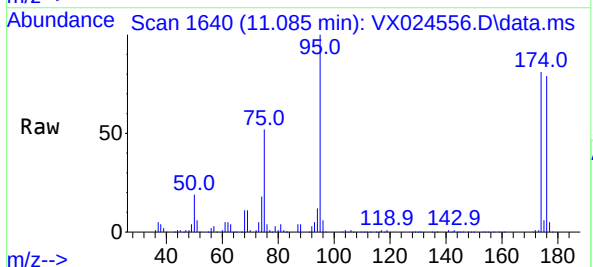
Instrument :
MSVOA_X
ClientSampled :
MW-4

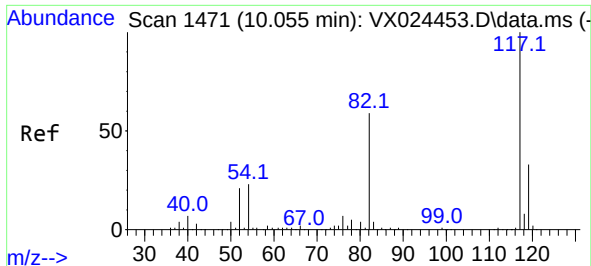
Tgt Ion: 43 Resp: 1346
Ion Ratio Lower Upper
43 100
58 178.6 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 44.120 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 95 Resp: 114891
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.6
176 75.8 0.0 155.8

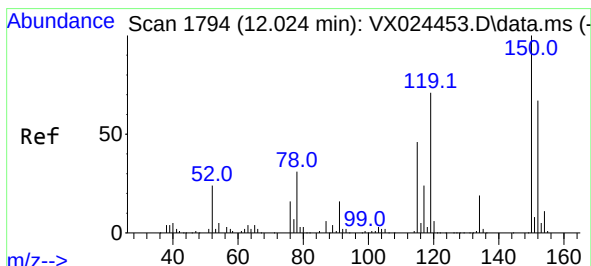
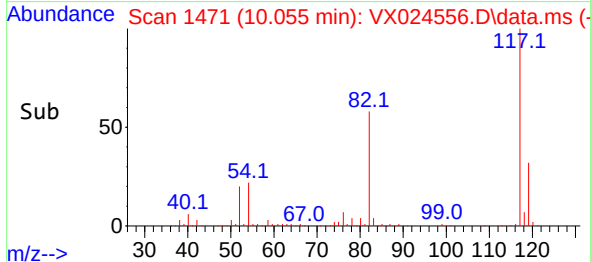
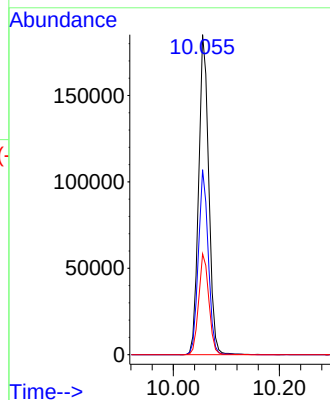
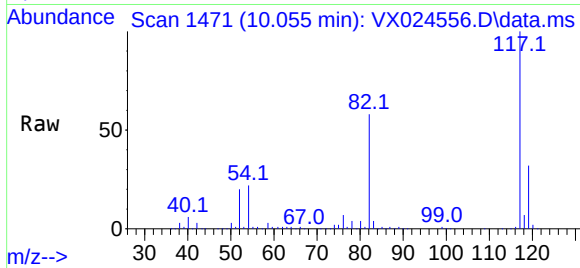




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

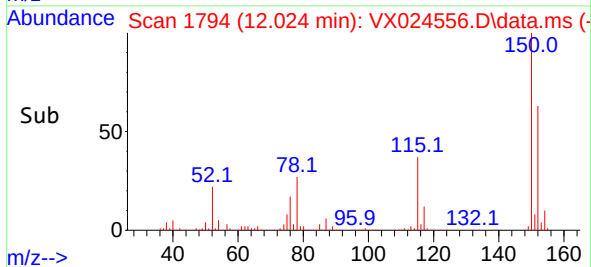
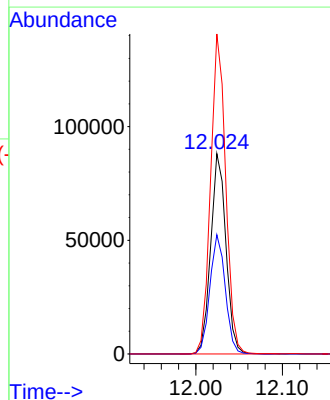
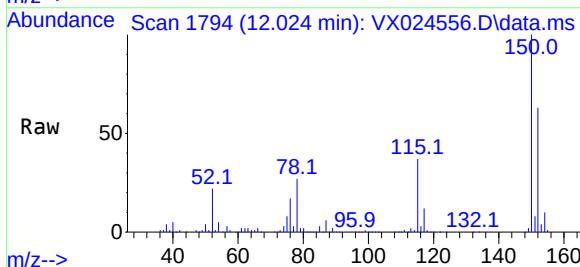
Instrument :
MSVOA_X
ClientSampled :
MW-4

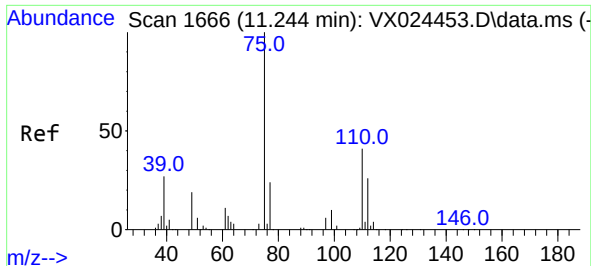
Tgt Ion:117 Resp: 245685
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion:152 Resp: 107787
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 158.1 0.0 349.0

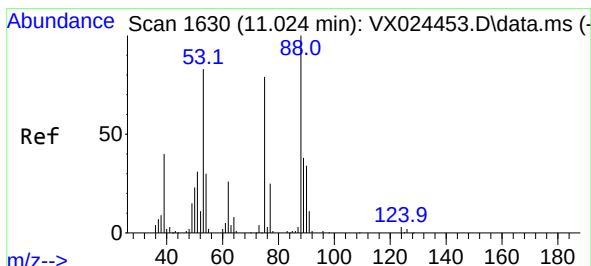
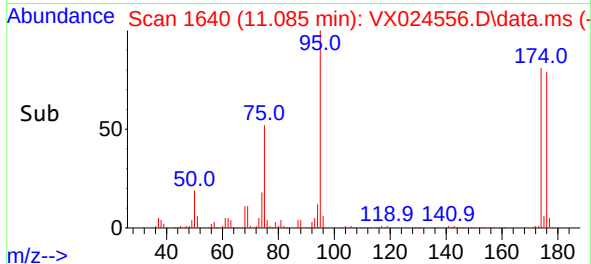
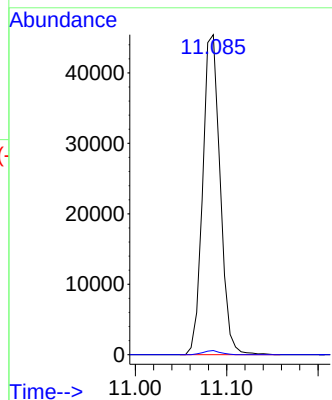
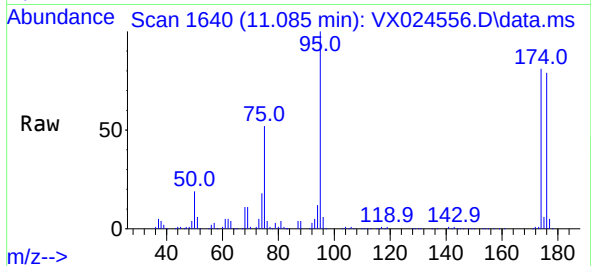




#76
1,2,3-Trichloropropane
Concen: 24.525 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion: 75 Resp: 60032
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.916 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024556.D
Acq: 05 Oct 2021 06:26

Tgt Ion: 75 Resp: 60032
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

