

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
 Data File : VX024572.D
 Acq On : 05 Oct 2021 15:39
 Operator : JC/MD
 Sample : M3989-03DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

Quant Time: Oct 06 06:49:10 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)

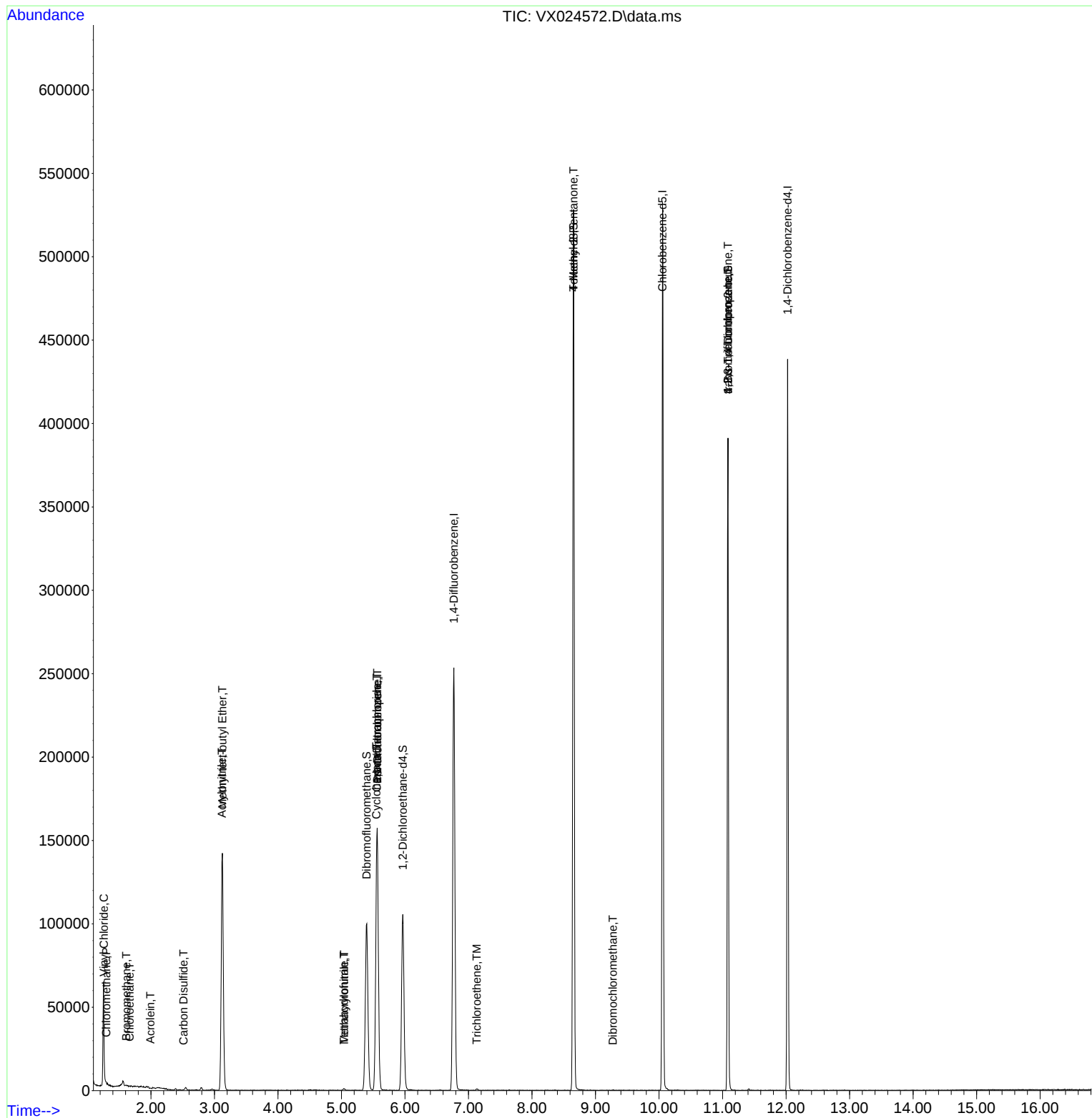
Internal Standards						
1) Pentafluorobenzene	5.562	168	149096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	259032	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106512	50.688	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.380%	
35) Dibromofluoromethane	5.397	113	86777	50.428	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.860%	
50) Toluene-d8	8.653	98	311209	49.137	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	11.085	95	95877	38.501	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 77.000%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	286	0.202	ug/l #	42
4) Vinyl Chloride	1.258	62	377	0.255	ug/l #	1
5) Bromomethane	1.612	94	332	0.333	ug/l	87
6) Chloroethane	1.666	64	209	0.469	ug/l #	43
11) Tert butyl alcohol	2.965	59	792	Below Cal	#	73
13) Acrolein	1.990	56	72	10.666	ug/l #	14
15) Acrylonitrile	3.117	53	1937	2.029	ug/l #	36
16) Acetone	2.386	43	865	Below Cal		96
17) Carbon Disulfide	2.514	76	225	0.291	ug/l #	39
19) Methyl tert-butyl Ether	3.123	73	155661	30.221	ug/l	98
20) Methylene Chloride	2.788	84	643	Below Cal	#	87
29) Tetrahydrofuran	5.038	42	742	0.805	ug/l #	59
31) Cyclohexane	5.550	56	3059	1.216	ug/l #	41
36) 1,1-Dichloropropene	5.562	75	11033	4.443	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15274	5.651	ug/l #	16
41) Methacrylonitrile	5.044	41	484	0.302	ug/l #	36
44) Trichloroethene	7.129	130	391	0.200	ug/l	63
51) 4-Methyl-2-Pentanone	8.653	43	1302	0.418	ug/l #	1
60) Dibromochloromethane	9.275	129	41	1.206	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	51773	26.194	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	51773	71.336	ug/l #	12

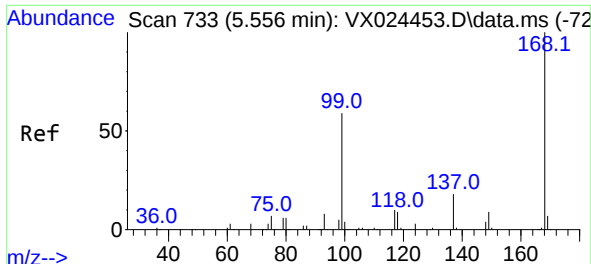
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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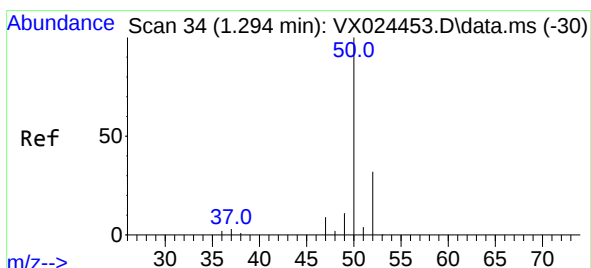
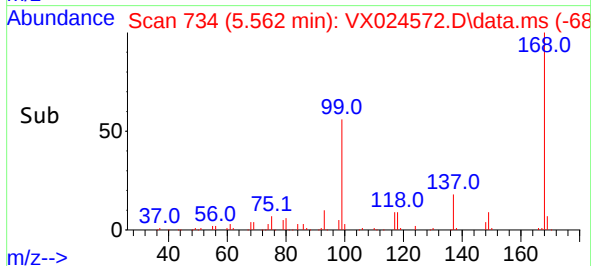
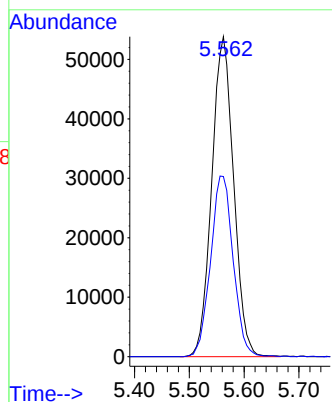
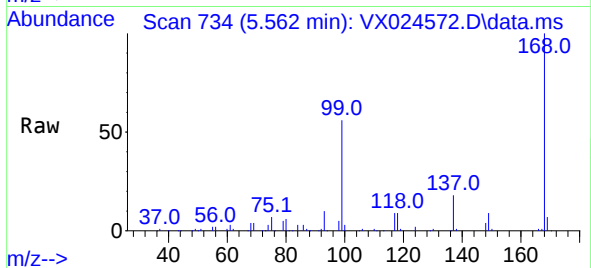




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

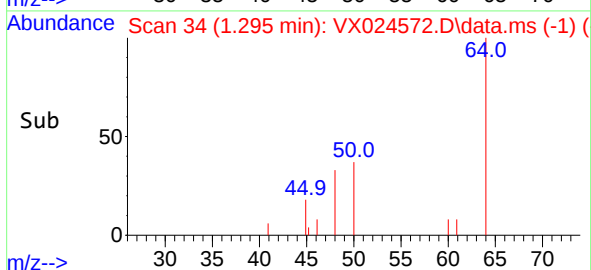
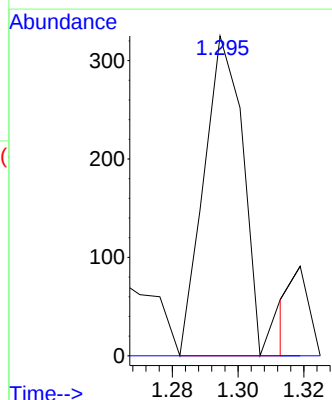
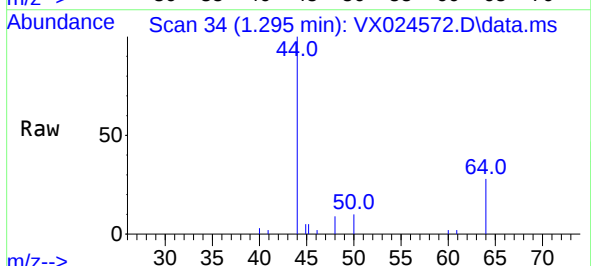
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

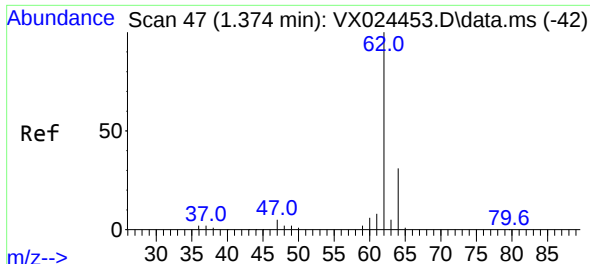
Tgt Ion:168 Resp: 149096
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 50 Resp: 286
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

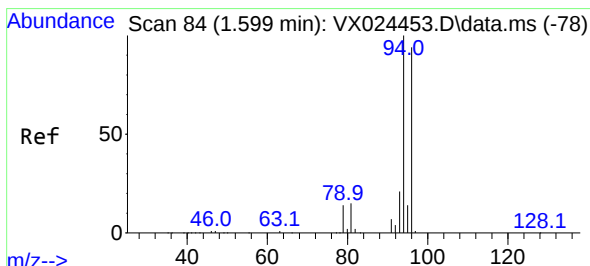
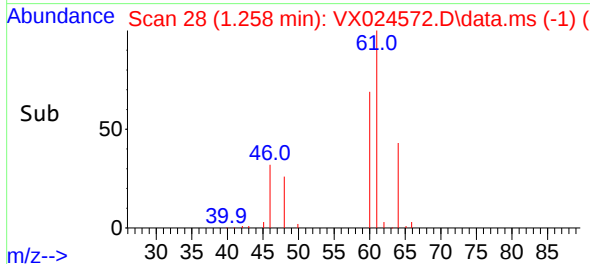
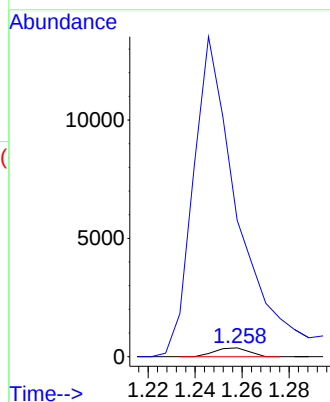
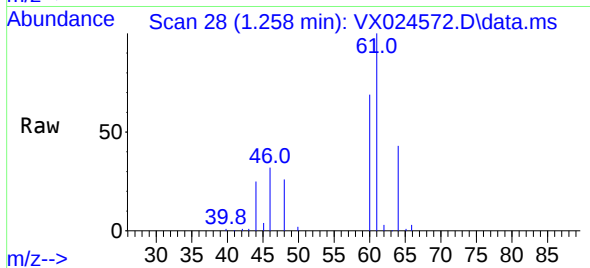




#4
Vinyl Chloride
Concen: 0.255 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.116 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

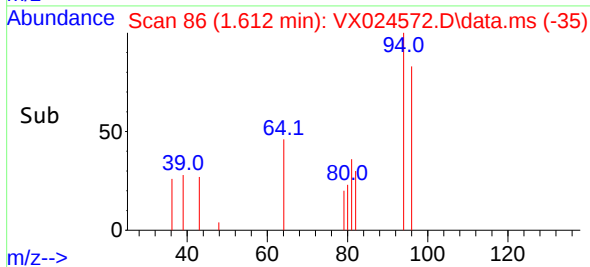
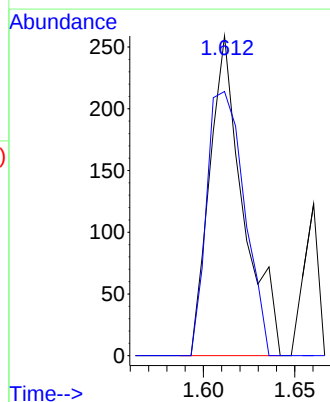
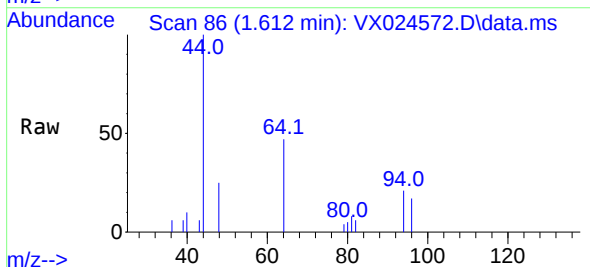
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

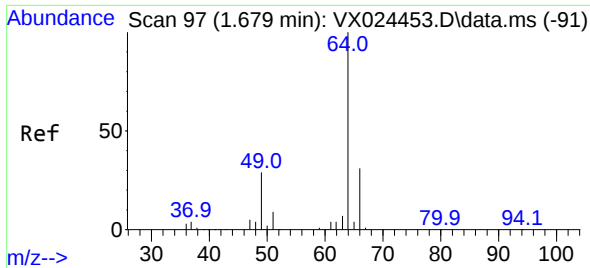
Tgt Ion: 62 Resp: 377
Ion Ratio Lower Upper
62 100
64 1113.7 25.7 38.5#



#5
Bromomethane
Concen: 0.333 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 94 Resp: 332
Ion Ratio Lower Upper
94 100
96 82.6 76.4 114.6

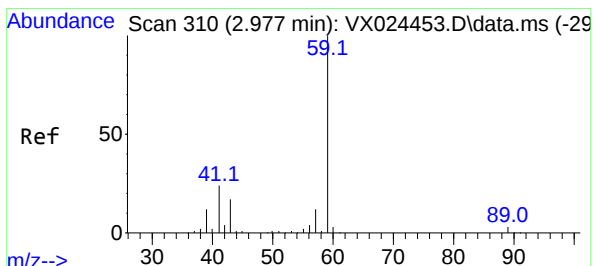
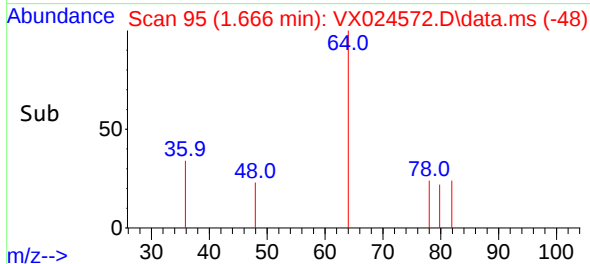
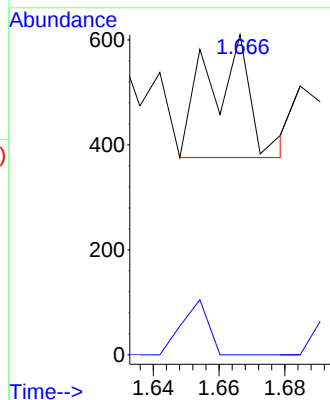
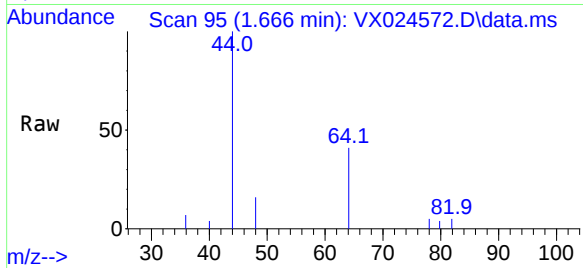




#6
Chloroethane
Concen: 0.469 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

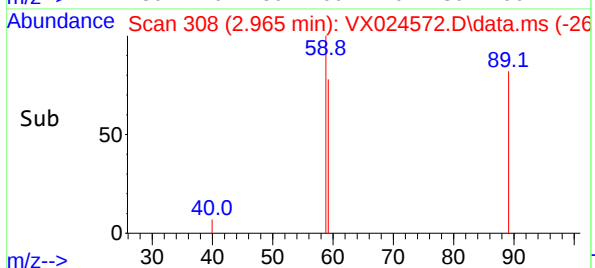
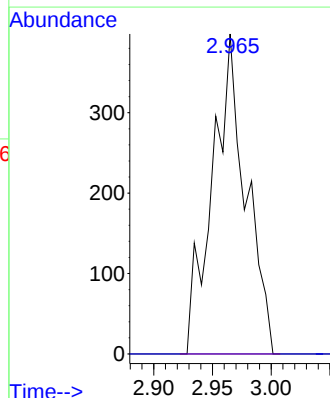
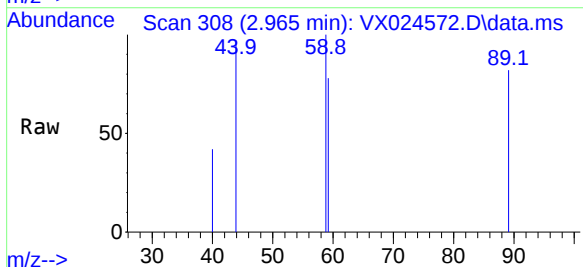
Instrument :
MSVOA_X
ClientSampleID :
MW-4DL

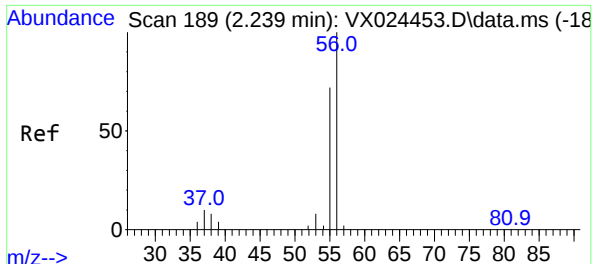
Tgt Ion: 64 Resp: 209
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 59 Resp: 792
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

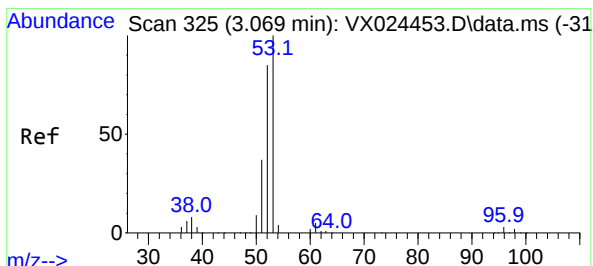
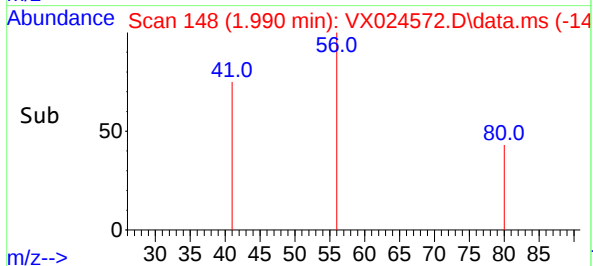
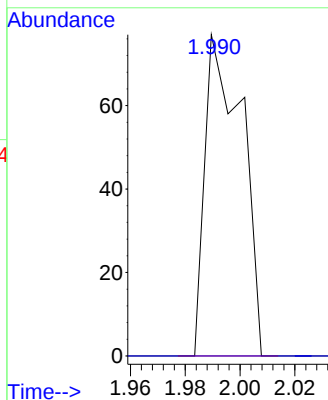
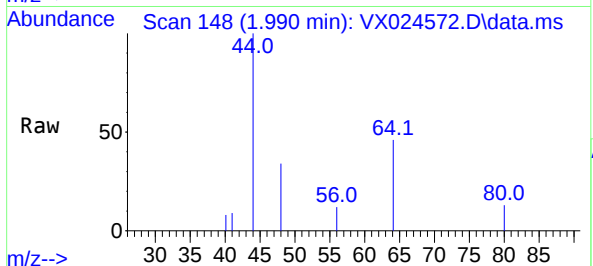




#13
Acrolein
Concen: 10.666 ug/l
RT: 1.990 min Scan# 148
Delta R.T. -0.249 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

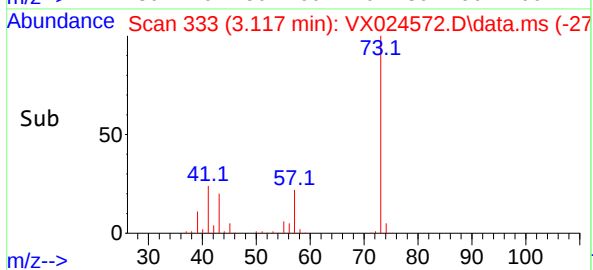
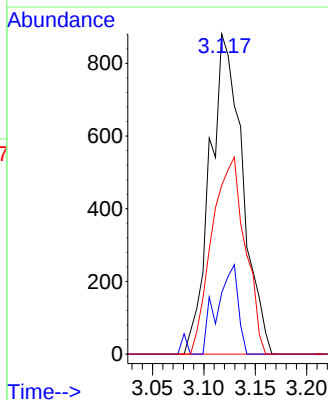
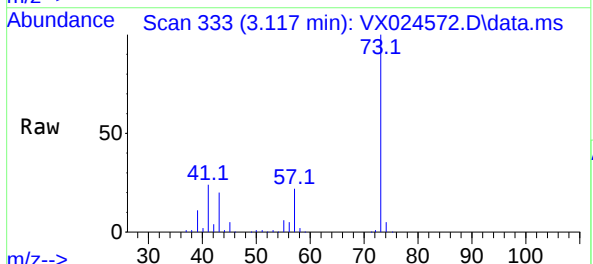
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

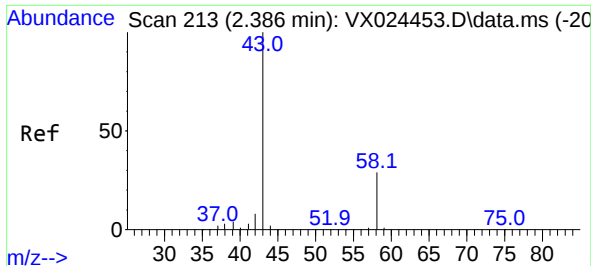
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#15
Acrylonitrile
Concen: 2.029 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.048 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 53 Resp: 1937
Ion Ratio Lower Upper
53 100
52 17.9 65.3 97.9#
51 62.8 28.2 42.2#

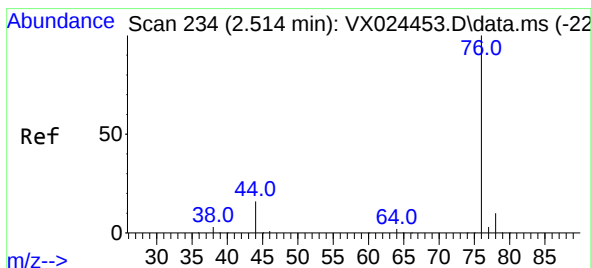
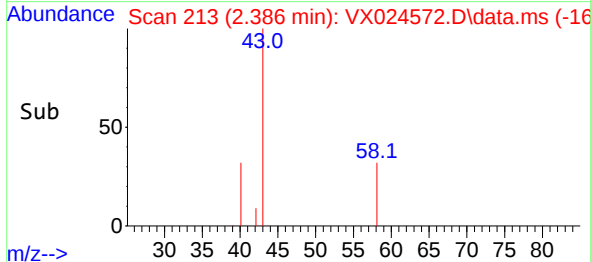
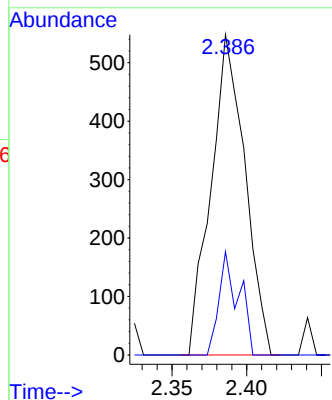
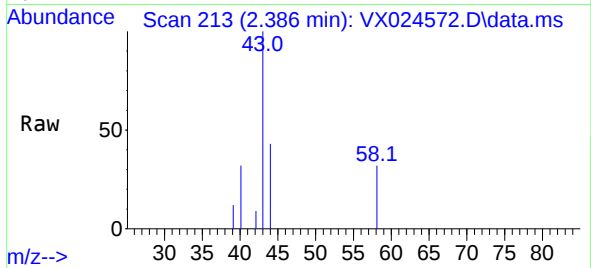




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

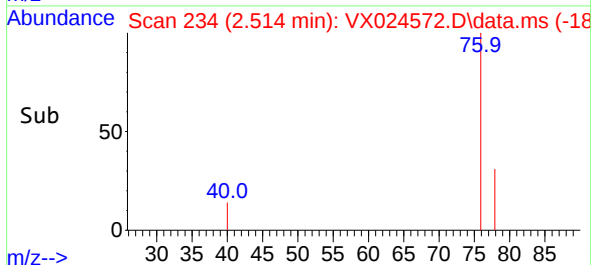
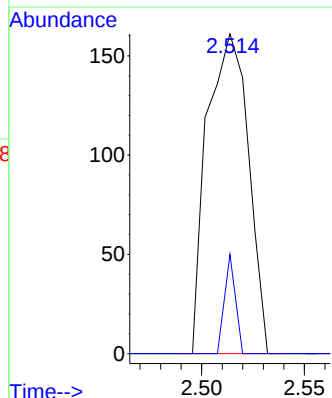
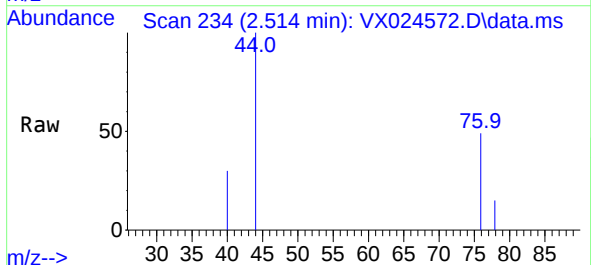
Instrument :
MSVOA_X
ClientSampleID :
MW-4DL

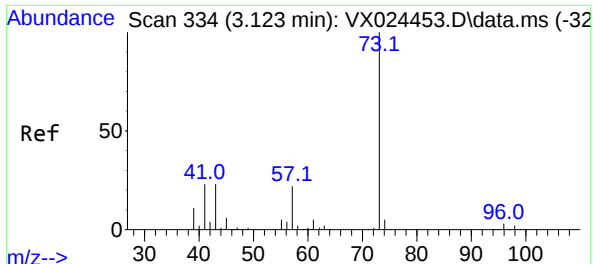
Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 32.3 27.8 41.8



#17
Carbon Disulfide
Concen: 0.291 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 76 Resp: 225
Ion Ratio Lower Upper
76 100
78 31.1 7.2 10.8#

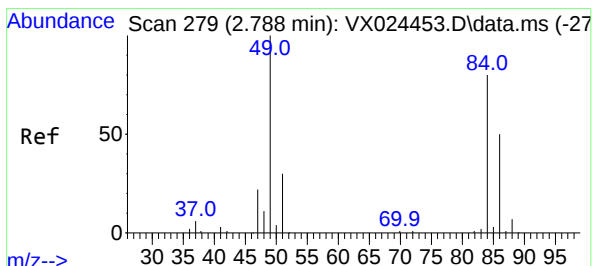
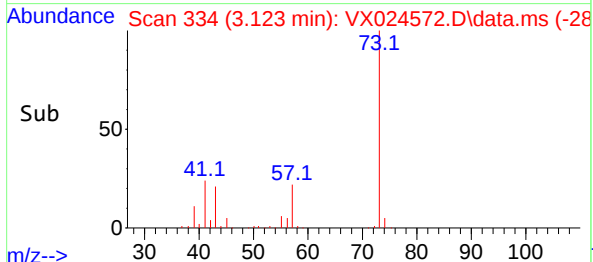
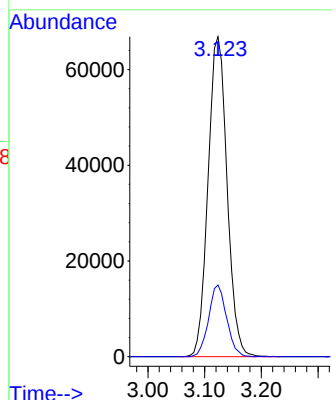
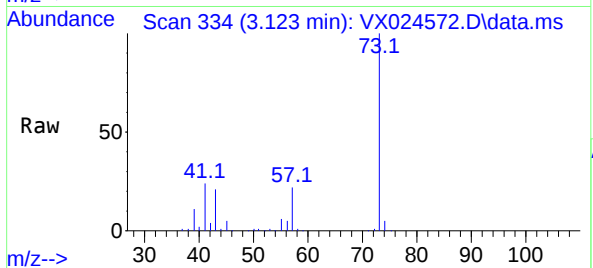




#19
Methyl tert-butyl Ether
Concen: 30.221 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

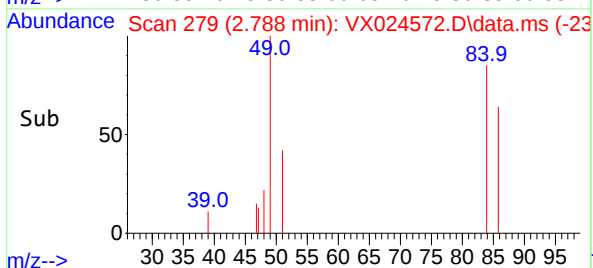
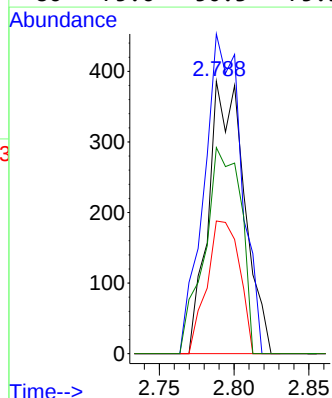
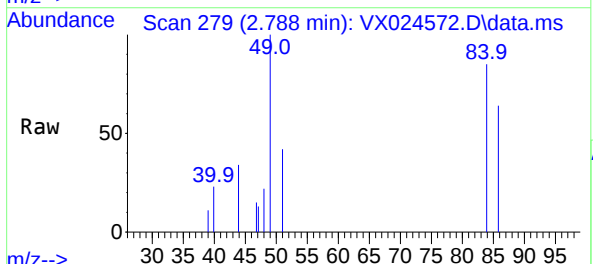
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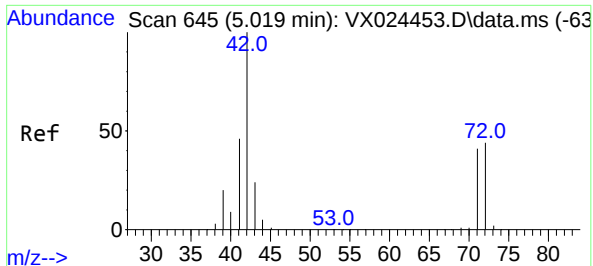
Tgt Ion: 73 Resp: 155661
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 84 Resp: 643
Ion Ratio Lower Upper
84 100
49 117.4 88.6 132.8
51 48.7 27.0 40.6#
86 75.6 50.3 75.5#





#29

Tetrahydrofuran

Concen: 0.805 ug/l

RT: 5.038 min Scan# 648

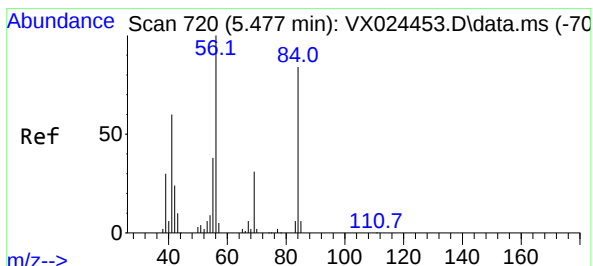
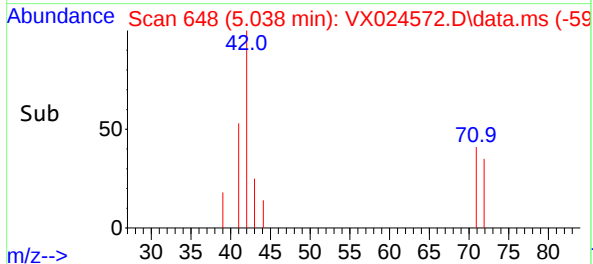
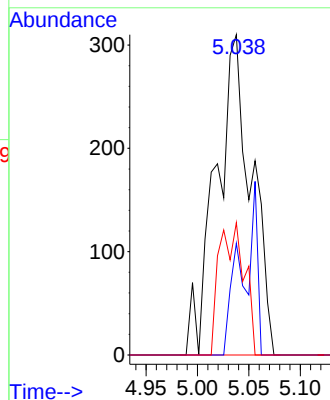
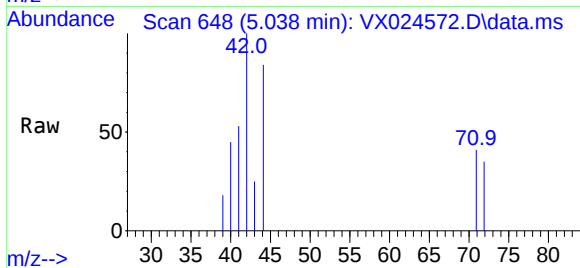
Delta R.T. 0.019 min

Lab File: VX024572.D

Acq: 05 Oct 2021 15:39

Tgt Ion:	42	Resp:	742
Ion	Ratio	Lower	Upper
42	100		
72	14.7	41.7	62.5#
71	29.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
MW-4DL



#31

Cyclohexane

Concen: 1.216 ug/l

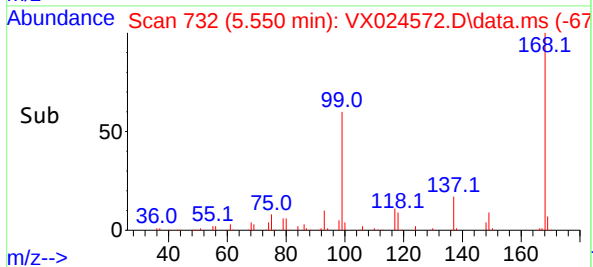
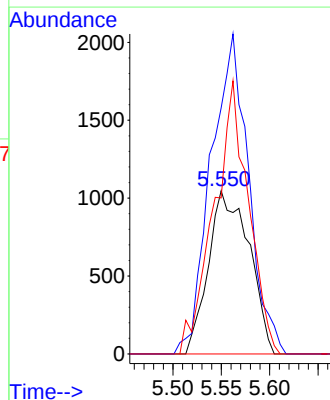
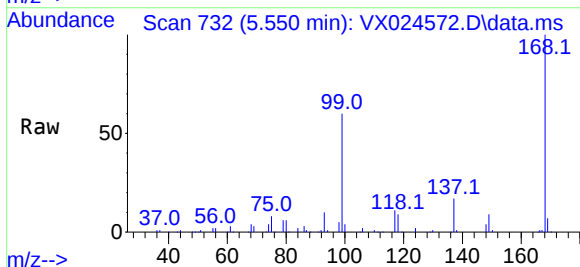
RT: 5.550 min Scan# 732

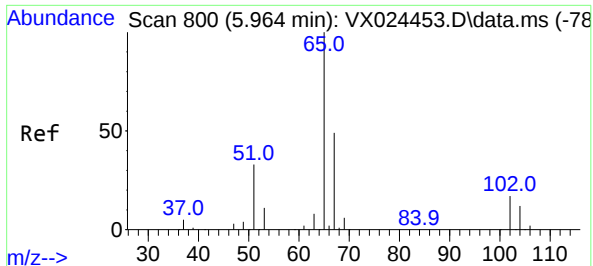
Delta R.T. 0.073 min

Lab File: VX024572.D

Acq: 05 Oct 2021 15:39

Tgt Ion:	56	Resp:	3059
Ion	Ratio	Lower	Upper
56	100		
69	145.0	25.3	37.9#
84	95.6	71.4	107.0



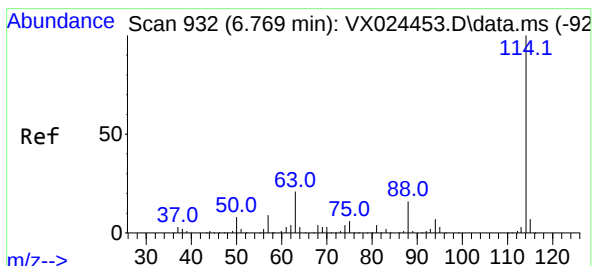
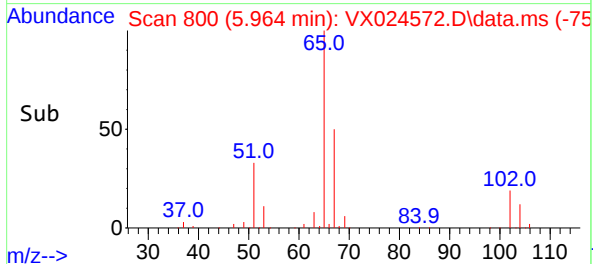
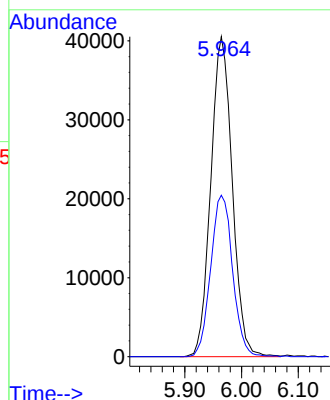
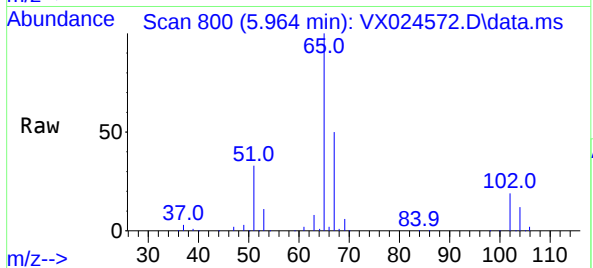


#33

1,2-Dichloroethane-d4
Concen: 50.688 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

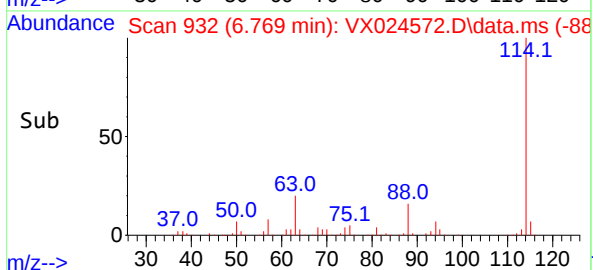
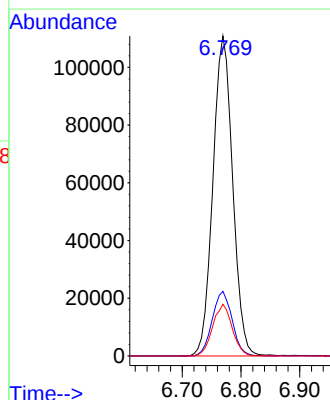
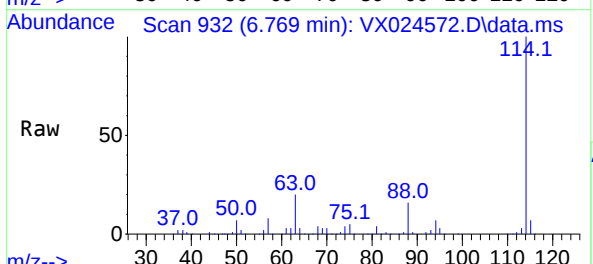
Tgt Ion: 65 Resp: 106512
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

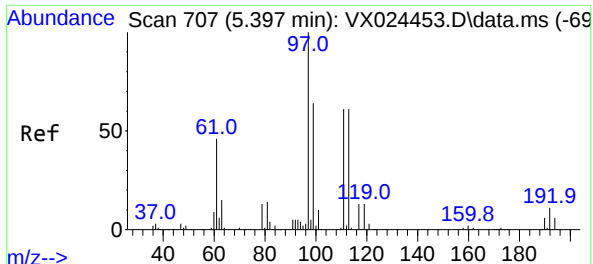


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 114 Resp: 259032
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.2 0.0 32.8



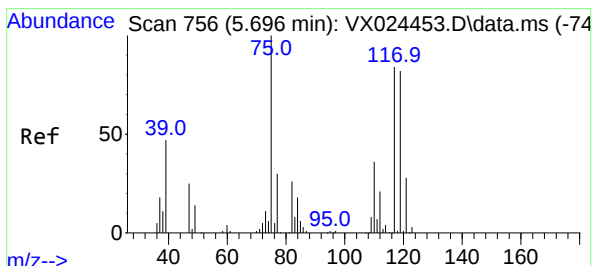
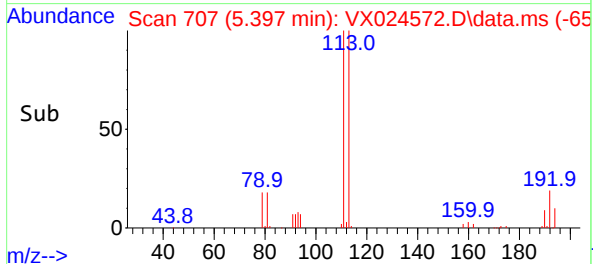
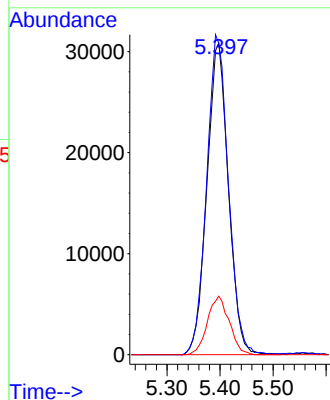
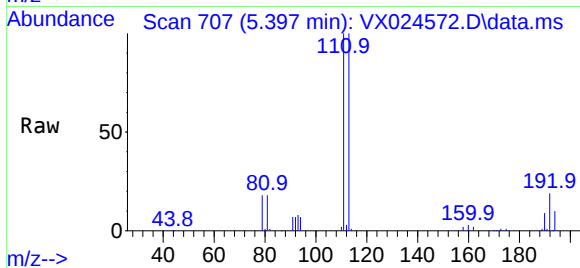


#35
Dibromofluoromethane
Concen: 50.428 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

Tgt Ion:113 Resp: 86777

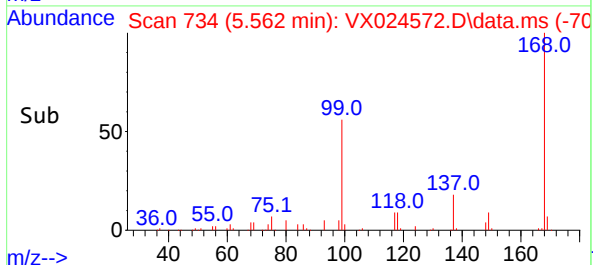
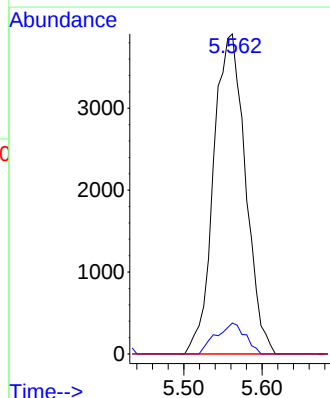
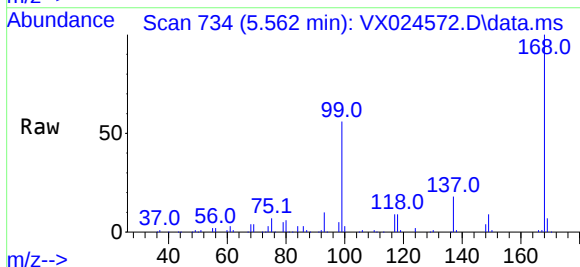
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.9	122.9
192	19.0	16.7	25.1

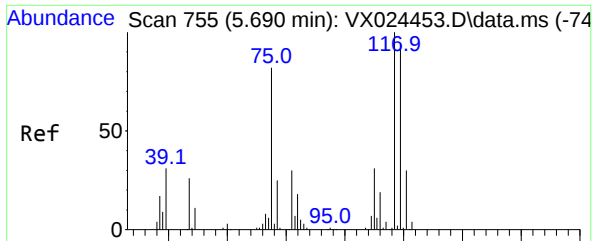


#36
1,1-Dichloropropene
Concen: 4.443 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 75 Resp: 11033

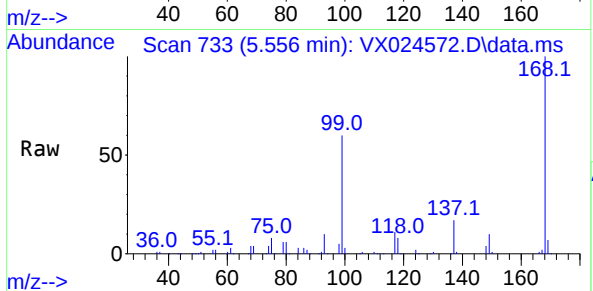
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	25.3	37.9#



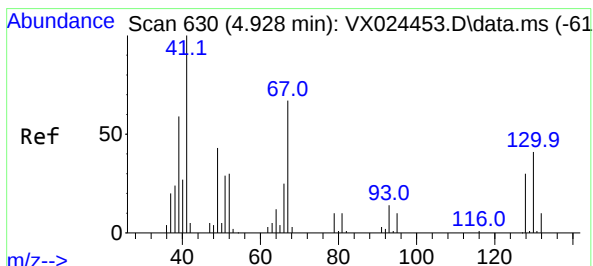
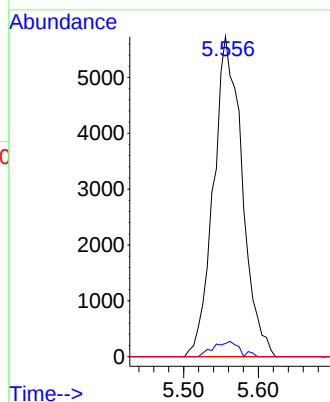
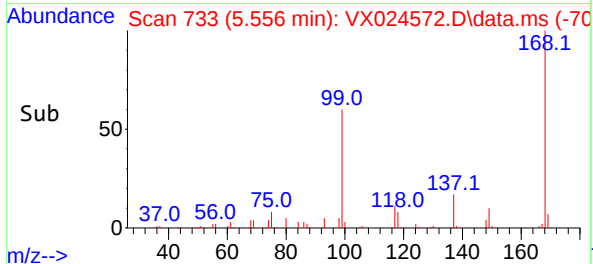


#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

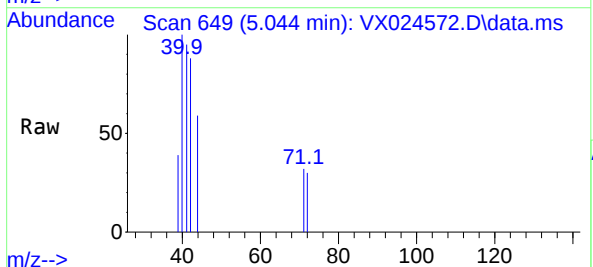
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL



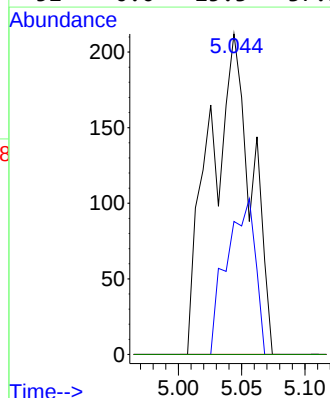
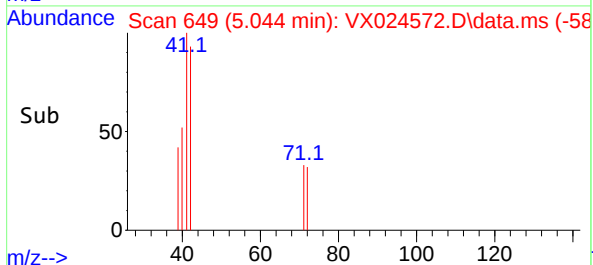
Tgt Ion:117 Resp: 15274
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#

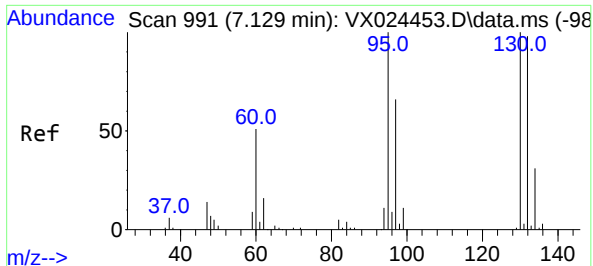


#41
Methacrylonitrile
Concen: 0.302 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39



Tgt Ion: 41 Resp: 484
Ion Ratio Lower Upper
41 100
39 33.5 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

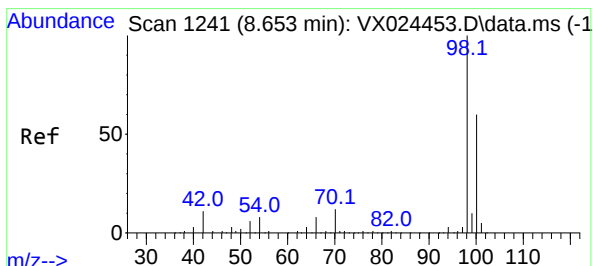
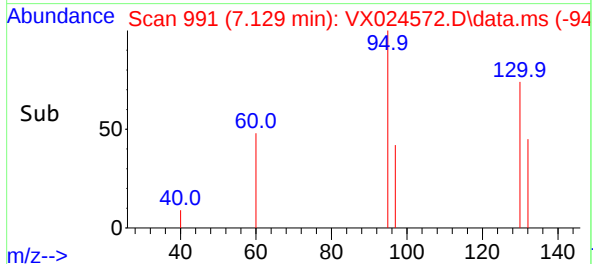
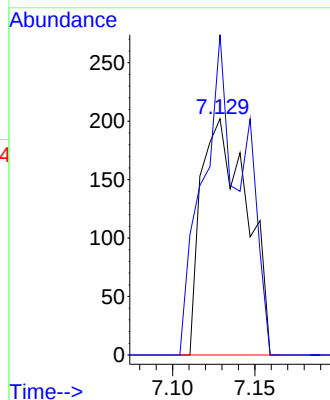
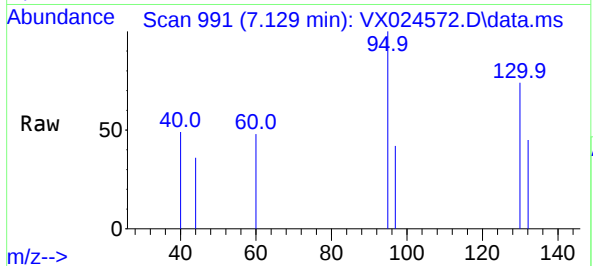




#44
Trichloroethene
Concen: 0.200 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

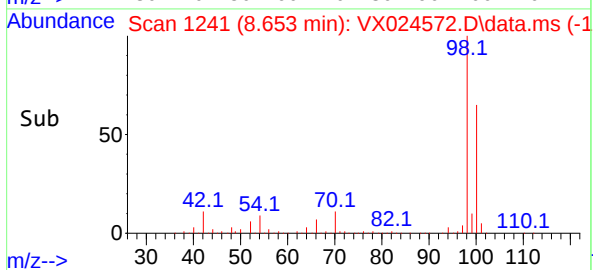
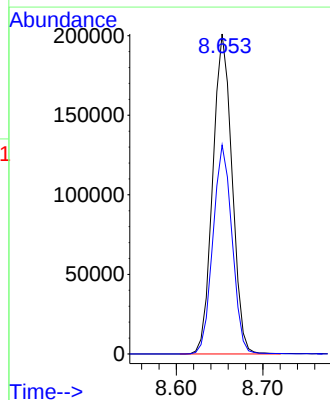
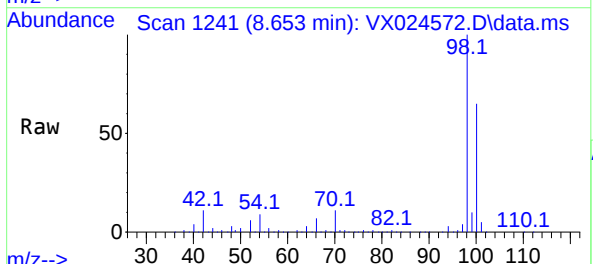
Instrument :
MSVOA_X
ClientSampled :
MW-4DL

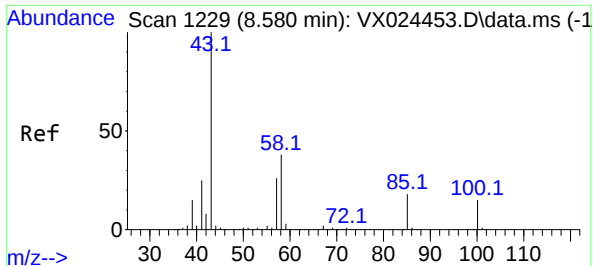
Tgt Ion:130 Resp: 391
Ion Ratio Lower Upper
130 100
95 135.6 0.0 198.0



#50
Toluene-d8
Concen: 49.137 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 98 Resp: 311209
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

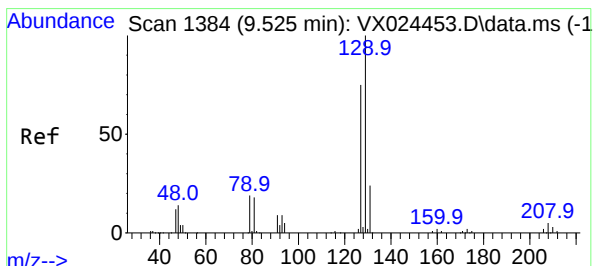
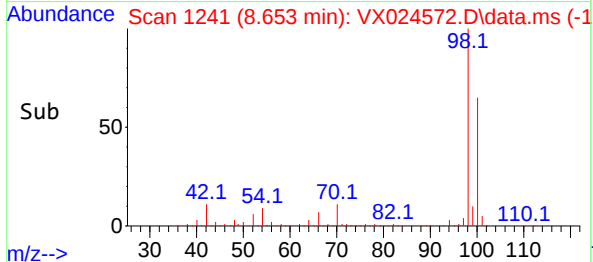
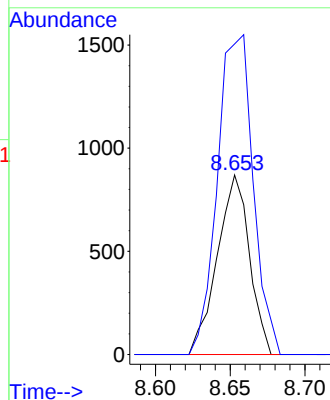
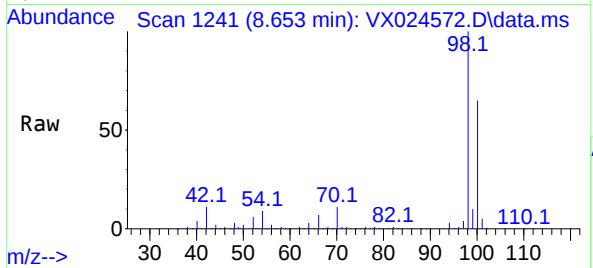




#51
4-Methyl-2-Pentanone
Concen: 0.418 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

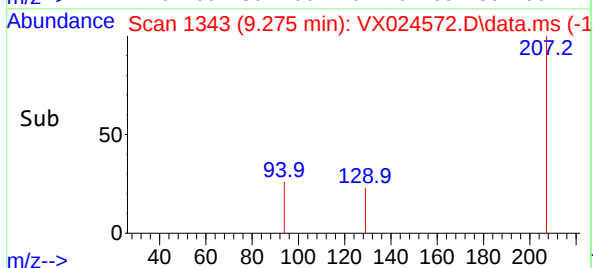
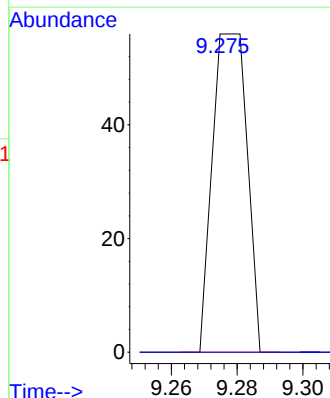
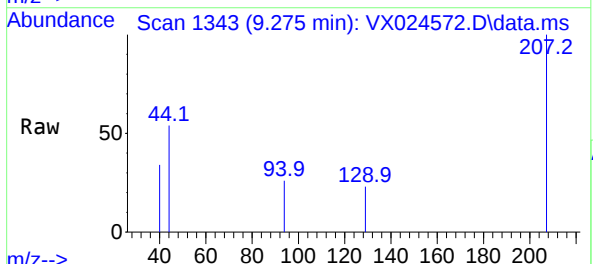
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

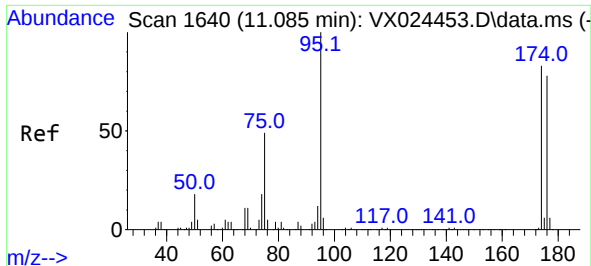
Tgt Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
58 198.0 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.206 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 129 Resp: 41
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

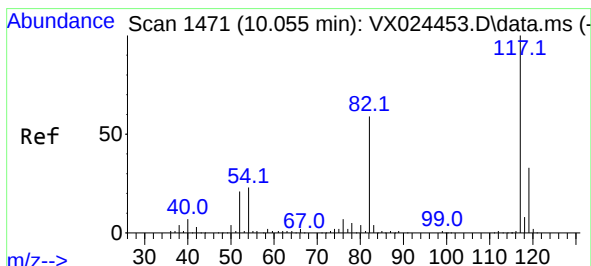
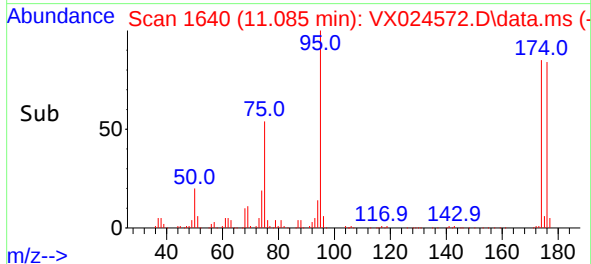
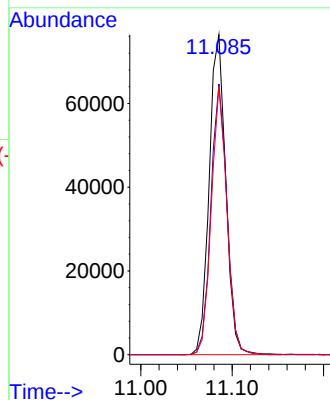
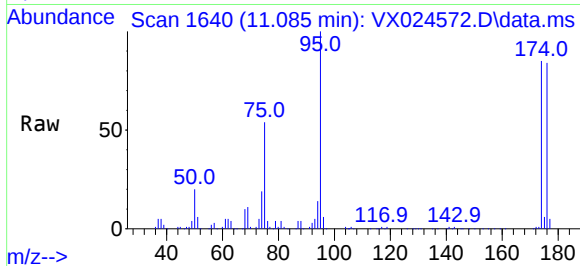




#62
4-Bromofluorobenzene
Concen: 38.501 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

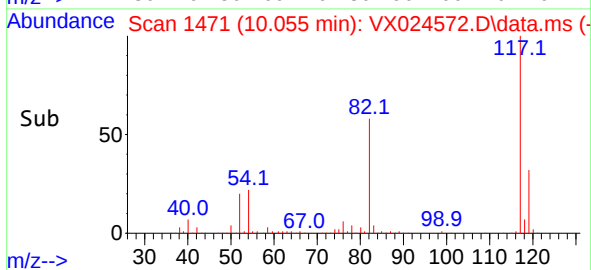
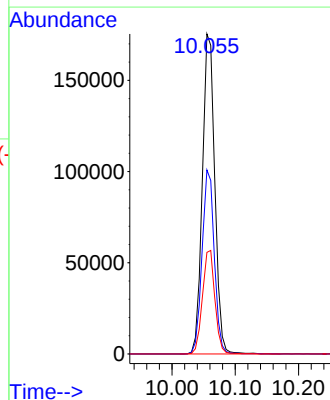
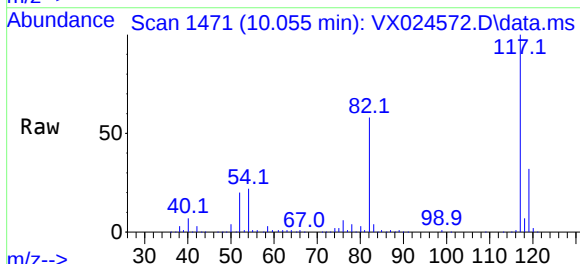
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

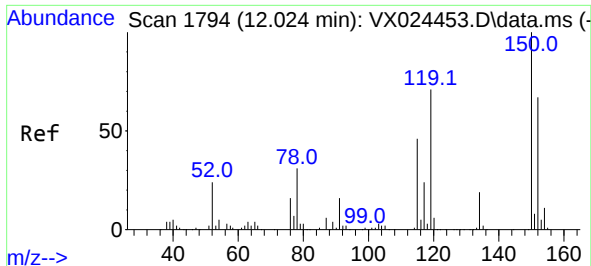
Tgt Ion: 95 Resp: 95877
Ion Ratio Lower Upper
95 100
174 82.6 0.0 154.6
176 79.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 117 Resp: 240245
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.7 26.6 39.8

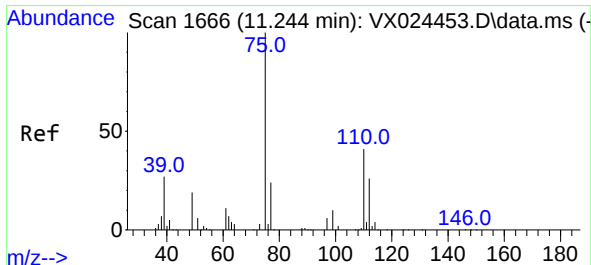
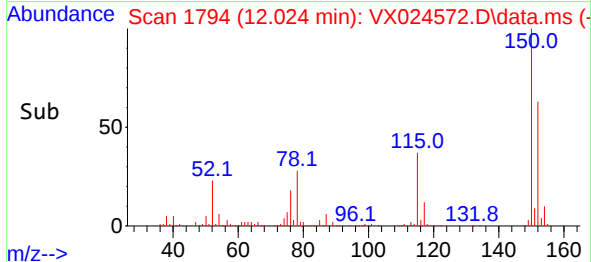
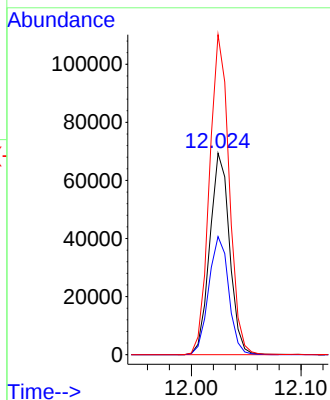
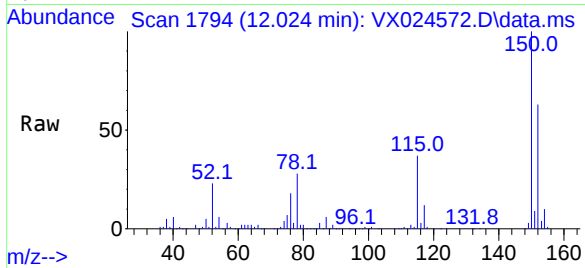




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

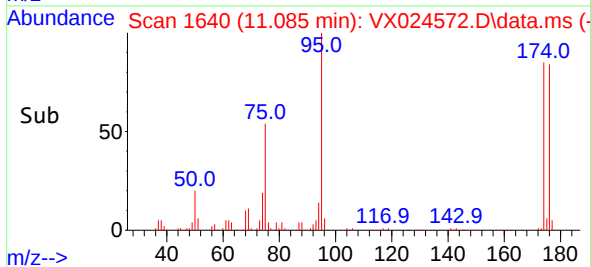
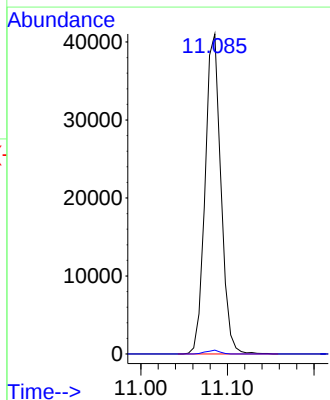
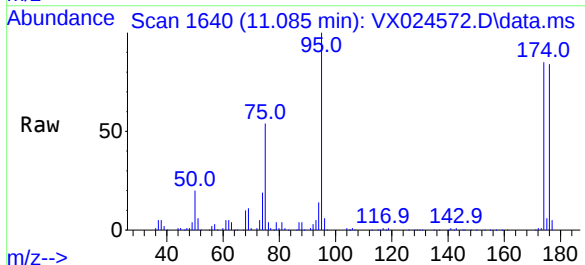
Instrument :
MSVOA_X
ClientSampled :
MW-4DL

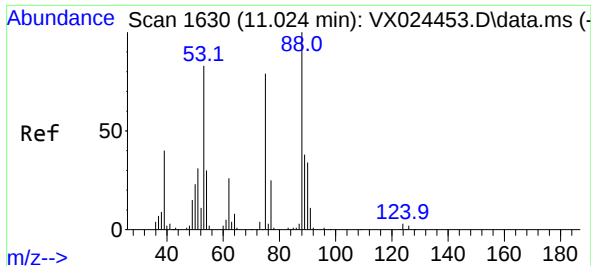
Tgt Ion:152 Resp: 87037
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 158.2 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.194 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024572.D
Acq: 05 Oct 2021 15:39

Tgt Ion: 75 Resp: 51773
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.336 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024572.D
 Acq: 05 Oct 2021 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

Tgt Ion: 75 Resp: 51773
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

