

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040822\
 Data File : VX028025.D
 Acq On : 08 Apr 2022 14:24
 Operator : JC/MD
 Sample : N2333-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9D

Quant Time: Apr 11 01:16:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 18:12:28 2022
 Response via : Initial Calibration

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

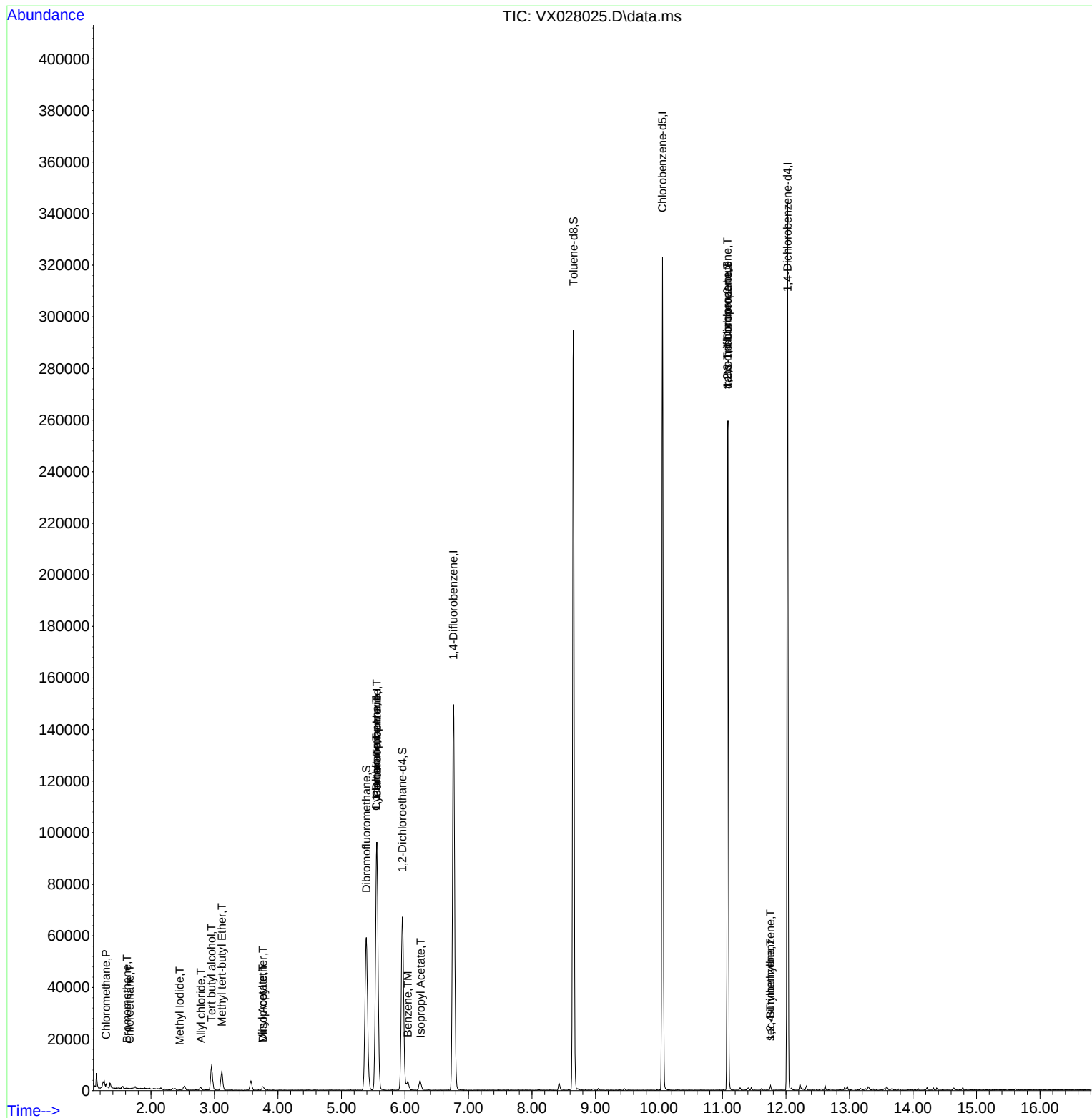
Internal Standards						
1) Pentafluorobenzene	5.556	168	80463	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	142670	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70957	58.093	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.180%
35) Dibromofluoromethane	5.391	113	50132	52.348	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.700%
50) Toluene-d8	8.653	98	169313	49.550	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.100%
62) 4-Bromofluorobenzene	11.079	95	71791	49.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.840%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	663	2.183	ug/l	99
5) Bromomethane	1.624	94	165	1.098	ug/l	84
6) Chloroethane	1.666	64	176	1.861	ug/l #	43
10) Methyl Iodide	2.453	142	159	6.926	ug/l #	71
11) Tert butyl alcohol	2.953	59	9497	44.129	ug/l	99
14) Allyl chloride	2.788	41	366	0.253	ug/l #	53
16) Acetone	2.374	43	836	Below Cal	#	84
17) Carbon Disulfide	2.514	76	1011	Below Cal	#	75
19) Methyl tert-butyl Ether	3.117	73	7483	2.506	ug/l	98
22) Diisopropyl ether	3.764	45	1319	0.444	ug/l #	80
23) Vinyl Acetate	3.757	43	860	0.330	ug/l #	66
31) Cyclohexane	5.550	56	2199	1.485	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	7530	5.347	ug/l #	49
38) Carbon Tetrachloride	5.556	117	9566	6.276	ug/l #	15
40) Benzene	6.044	78	3622	0.921	ug/l #	82
43) Isopropyl Acetate	6.245	43	1042	0.418	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	41119	27.451	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	41119	84.694	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	1041	0.255	ug/l	84
85) sec-Butylbenzene	11.756	105	1041	0.218	ug/l #	56

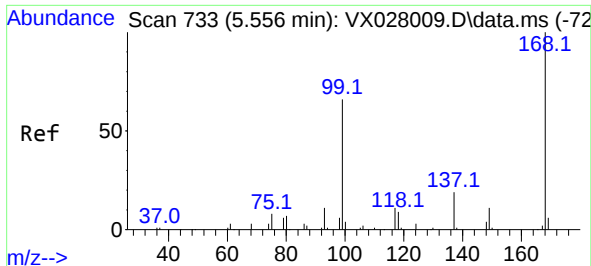
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 11 01:16:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 07 18:12:28 2022
Response via : Initial Calibration

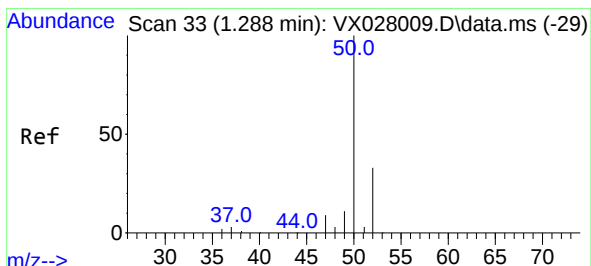
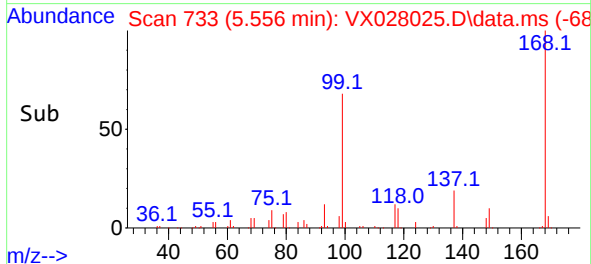
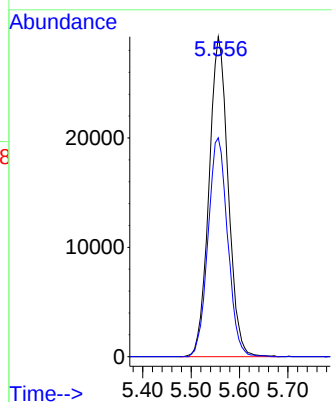
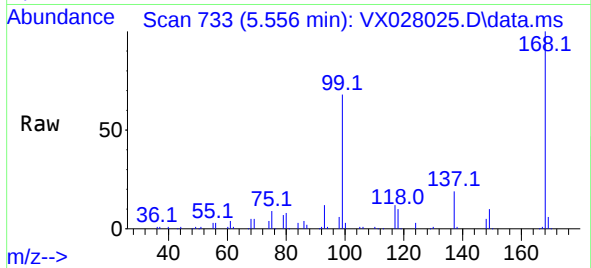




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

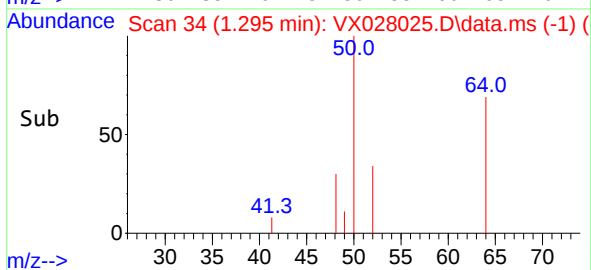
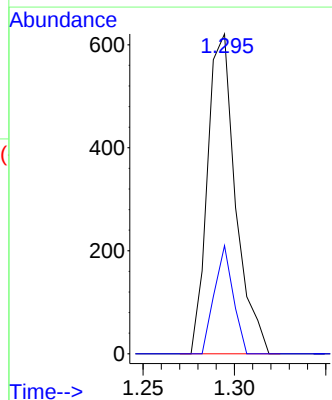
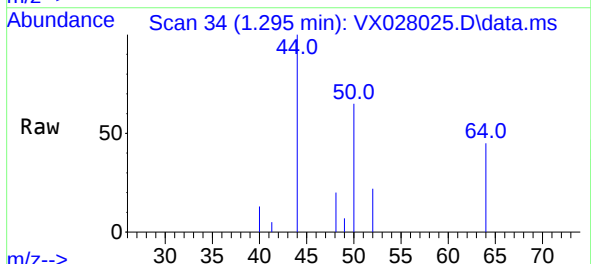
Instrument :
MSVOA_X
ClientSampleId :
MW-9D

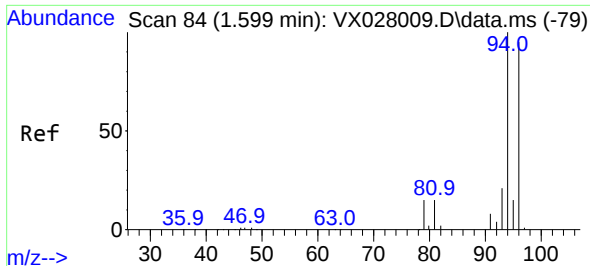
Tgt Ion:168 Resp: 80463
Ion Ratio Lower Upper
168 100
99 68.4 41.7 62.5#



#3
Chloromethane
Concen: 2.183 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion: 50 Resp: 663
Ion Ratio Lower Upper
50 100
52 33.8 26.4 39.6

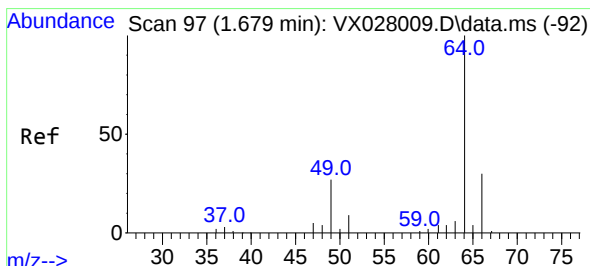
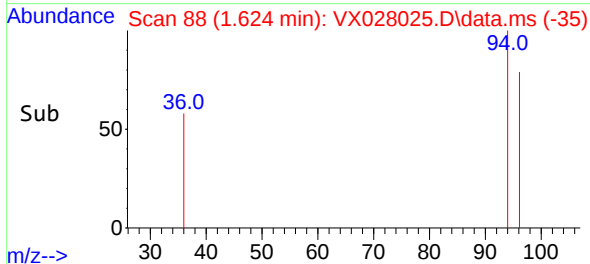
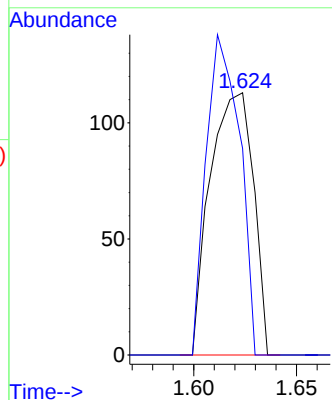
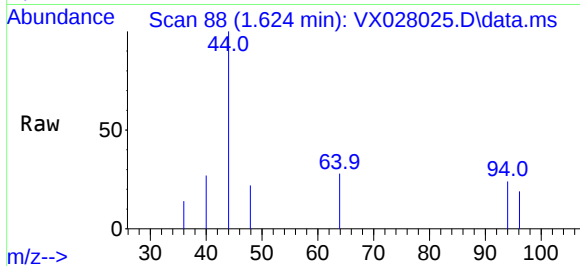




#5
Bromomethane
Concen: 1.098 ug/l
RT: 1.624 min Scan# 84
Delta R.T. 0.025 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

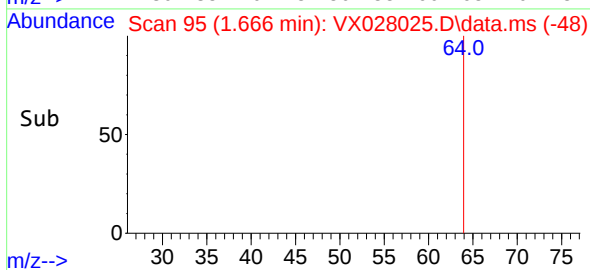
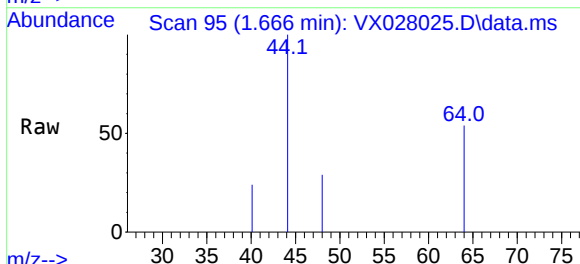
Instrument :
MSVOA_X
ClientSampleId :
MW-9D

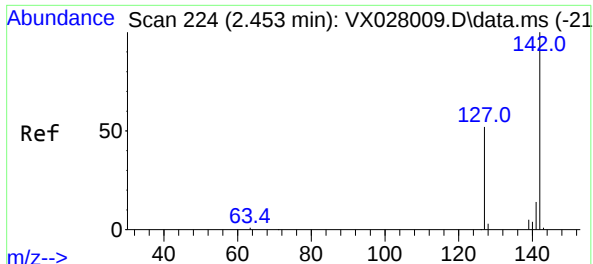
Tgt Ion: 94 Resp: 165
Ion Ratio Lower Upper
94 100
96 78.8 75.3 112.9



#6
Chloroethane
Concen: 1.861 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

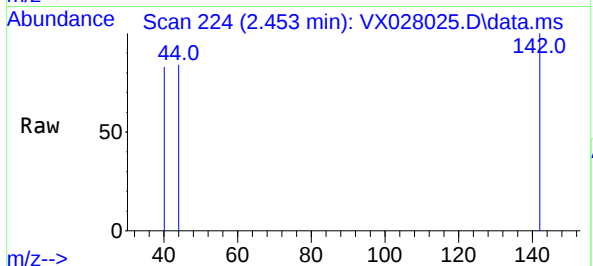
Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9





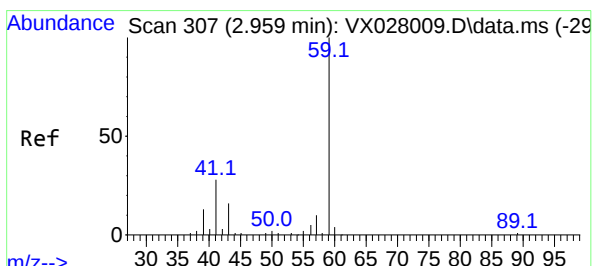
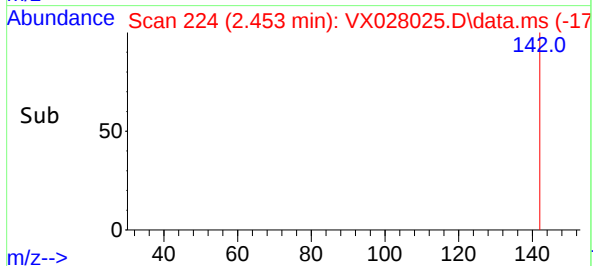
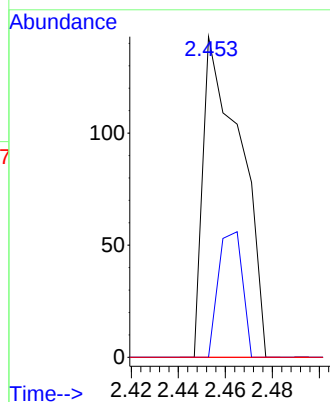
#10
Methyl Iodide
Concen: 6.926 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Instrument :
MSVOA_X
ClientSampleId :
MW-9D



Tgt Ion:142 Resp: 159

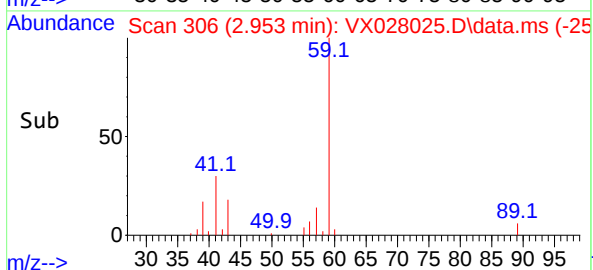
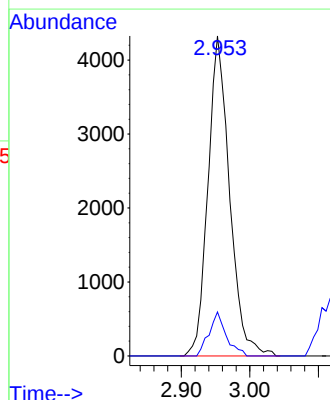
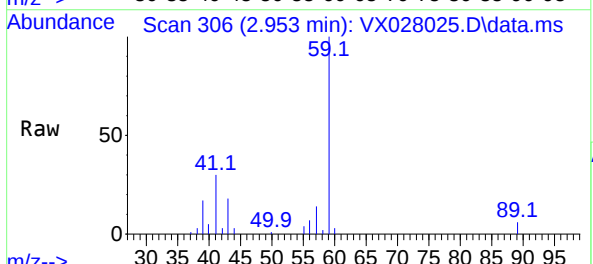
Ion	Ratio	Lower	Upper
142	100		
127	25.2	33.9	50.9#
141	0.0	11.4	17.2#

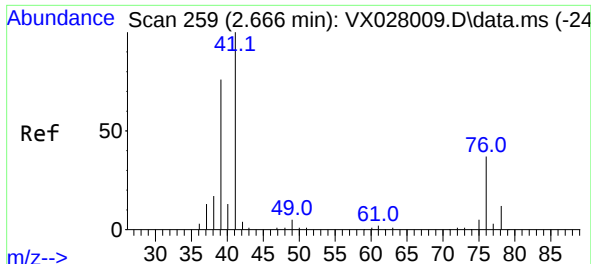


#11
Tert butyl alcohol
Concen: 44.129 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion: 59 Resp: 9497

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5

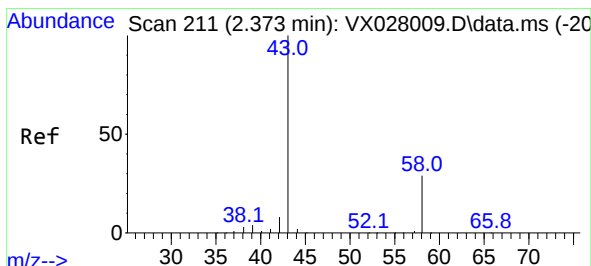
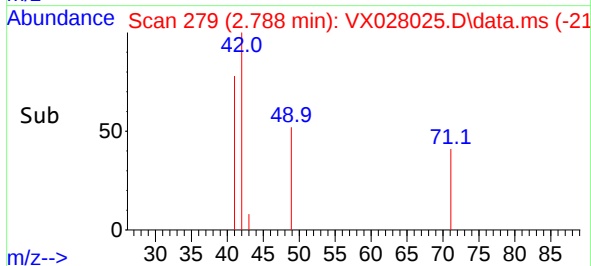
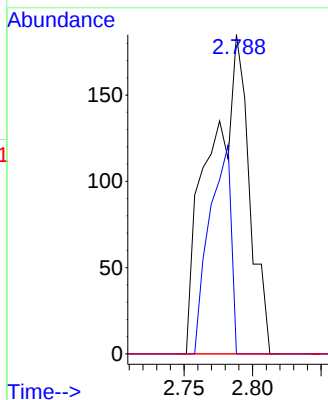
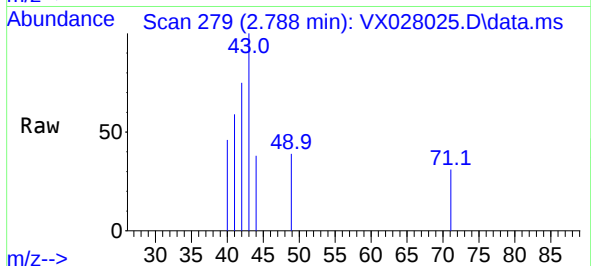




#14
 Allyl chloride
 Concen: 0.253 ug/l
 RT: 2.788 min Scan# 211
 Delta R.T. 0.122 min
 Lab File: VX028025.D
 Acq: 08 Apr 2022 14:24

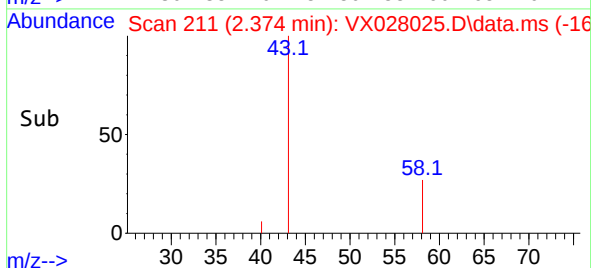
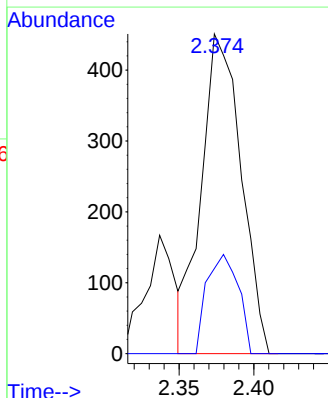
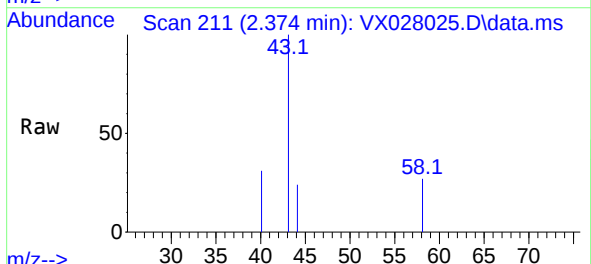
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9D

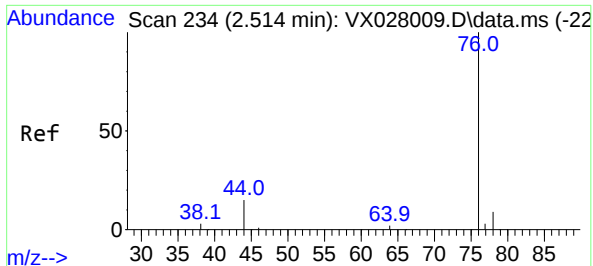
Tgt Ion: 41 Resp: 366
 Ion Ratio Lower Upper
 41 100
 39 36.3 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: Below Cal
 RT: 2.374 min Scan# 211
 Delta R.T. 0.001 min
 Lab File: VX028025.D
 Acq: 08 Apr 2022 14:24

Tgt Ion: 43 Resp: 836
 Ion Ratio Lower Upper
 43 100
 58 26.6 28.8 43.2#

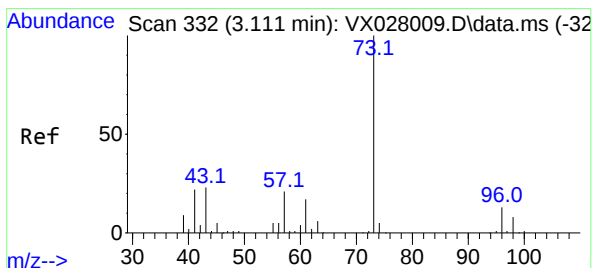
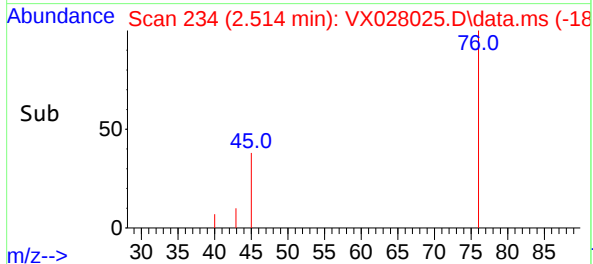
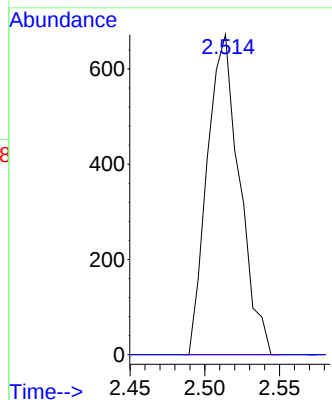
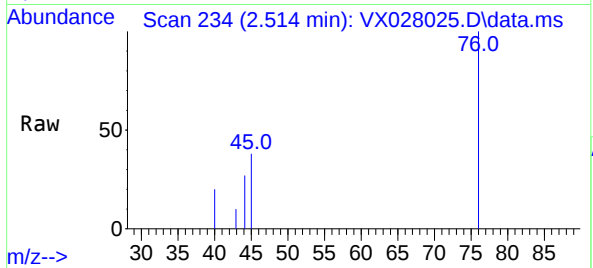




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

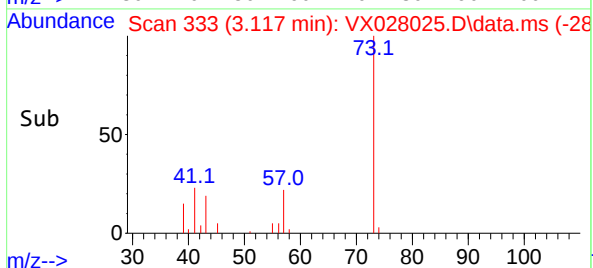
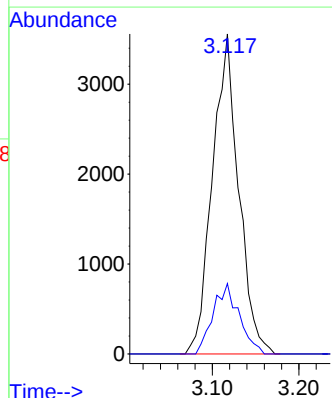
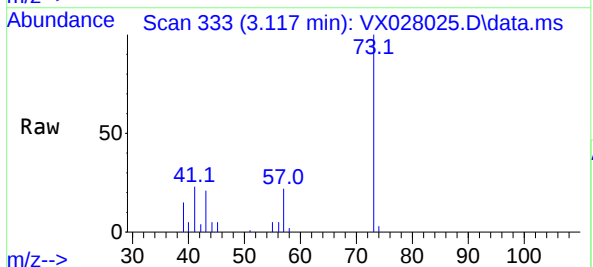
Instrument :
MSVOA_X
ClientSampleId :
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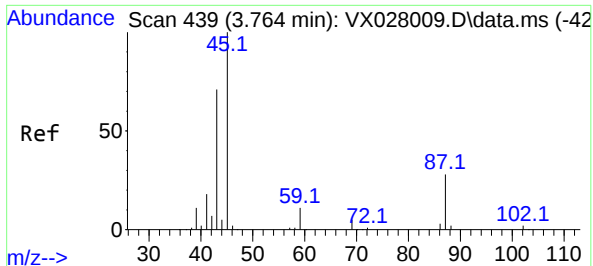
Tgt Ion: 76 Resp: 1011
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 2.506 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion: 73 Resp: 7483
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2

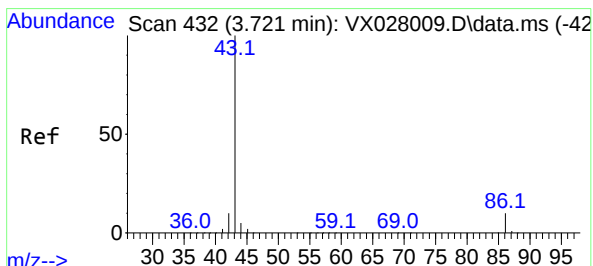
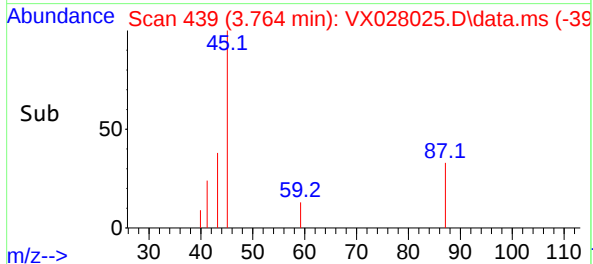
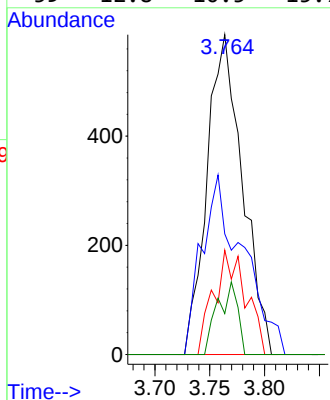
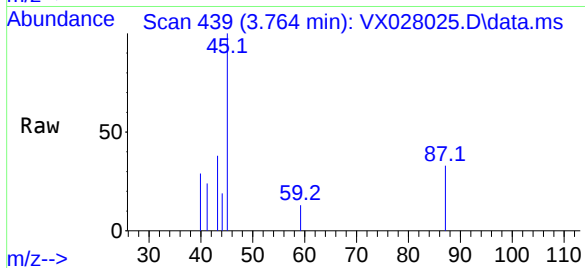




#22
Diisopropyl ether
Concen: 0.444 ug/l
RT: 3.764 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

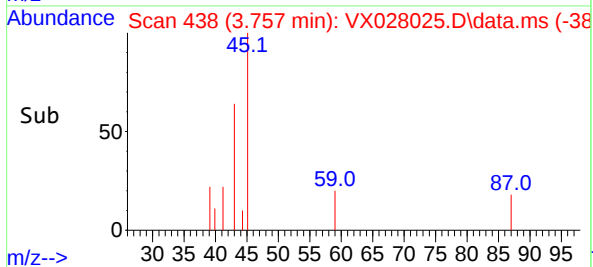
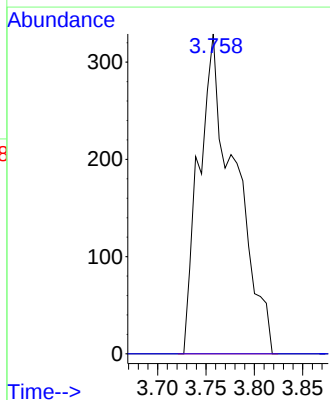
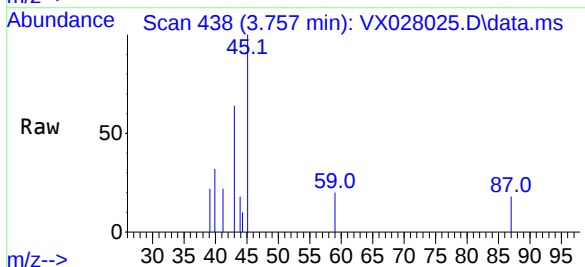
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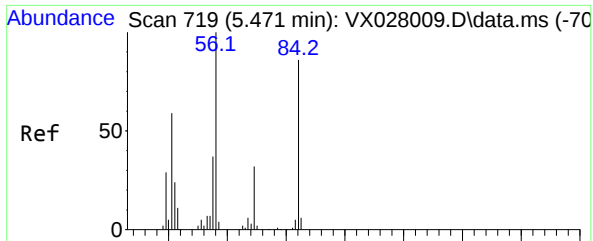
Tgt Ion:	45	Resp:	1319
Ion	Ratio	Lower	Upper
45	100		
43	37.7	50.8	76.2#
87	32.6	26.6	39.8
59	12.8	10.5	15.7



#23
Vinyl Acetate
Concen: 0.330 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.036 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

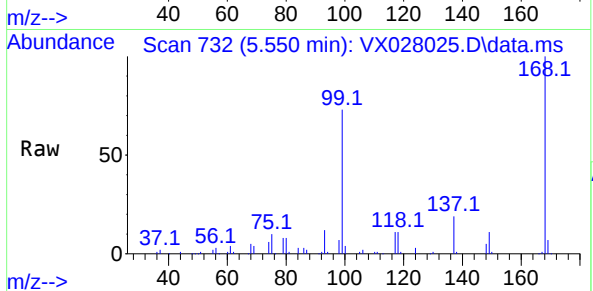
Tgt Ion:	43	Resp:	860
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#



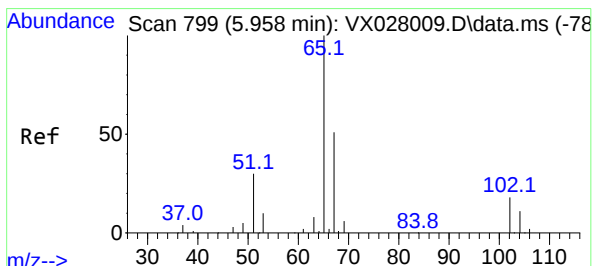
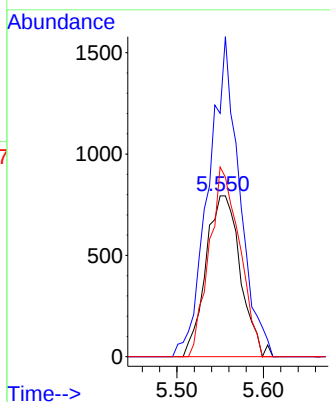
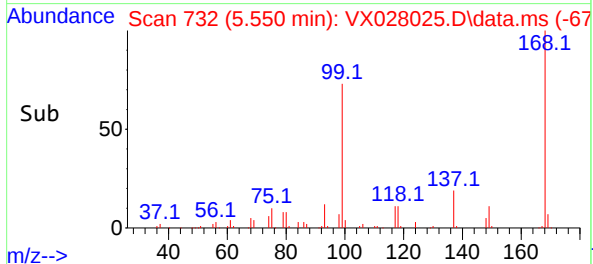


#31
Cyclohexane
Concen: 1.485 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

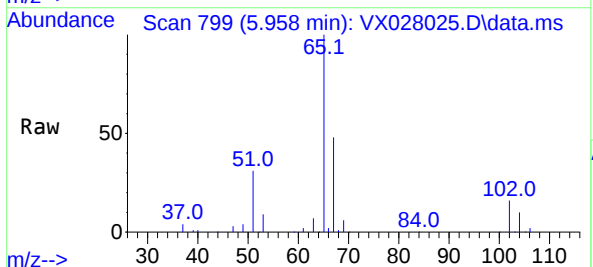
Instrument :
MSVOA_X
ClientSampleId :
MW-9D



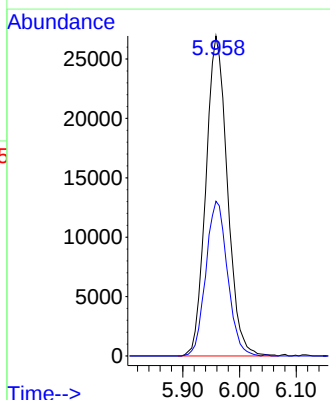
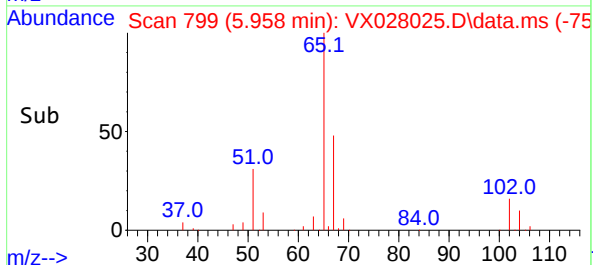
Tgt Ion: 56 Resp: 2199
Ion Ratio Lower Upper
56 100
69 151.3 26.7 40.1#
84 117.9 77.2 115.8#

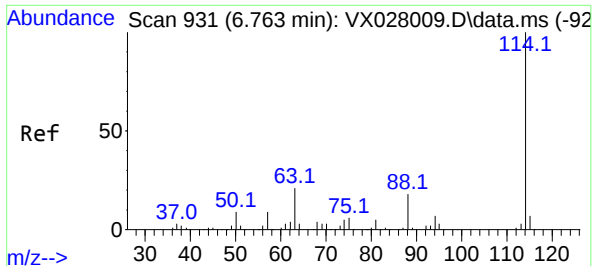


#33
1,2-Dichloroethane-d4
Concen: 58.093 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24



Tgt Ion: 65 Resp: 70957
Ion Ratio Lower Upper
65 100
67 48.7 0.0 107.4

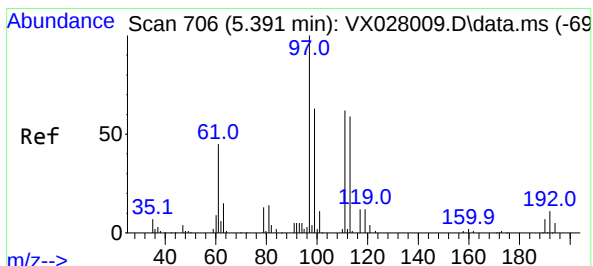
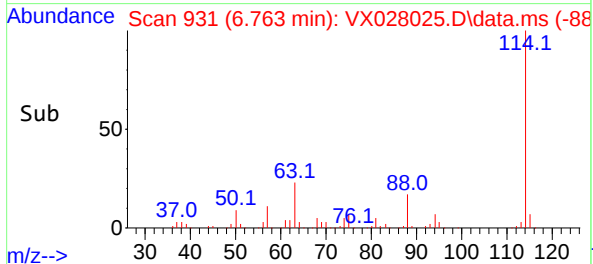
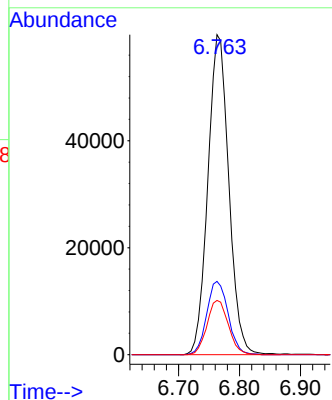
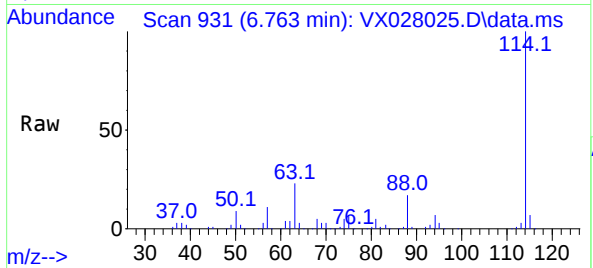




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

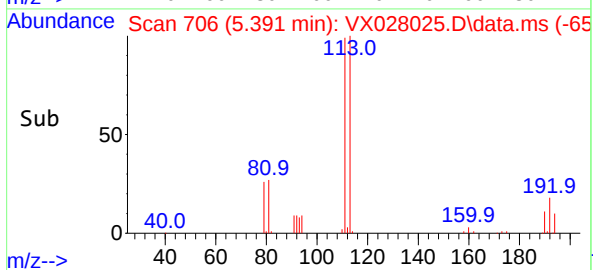
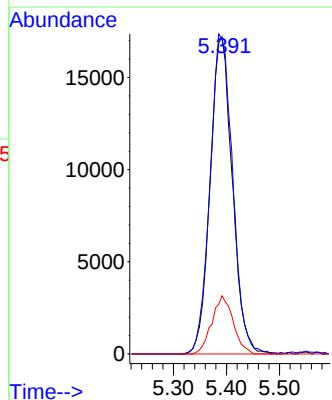
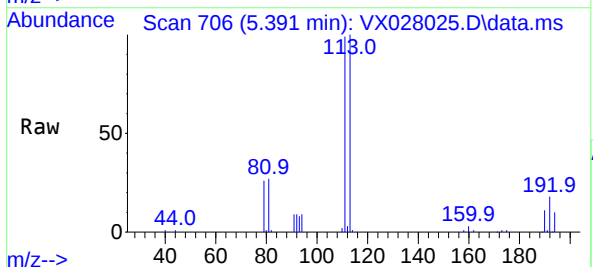
Instrument :
MSVOA_X
ClientSampleId :
MW-9D

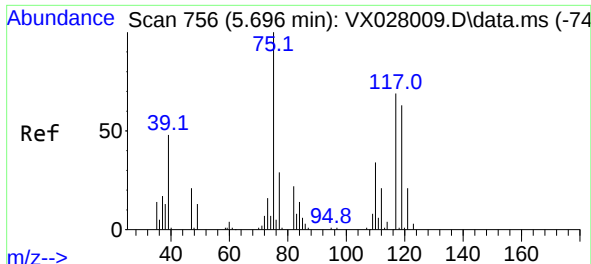
Tgt Ion:114 Resp: 142670
Ion Ratio Lower Upper
114 100
63 22.9 0.0 36.8
88 16.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 52.348 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion:113 Resp: 50132
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 17.6 16.9 25.3

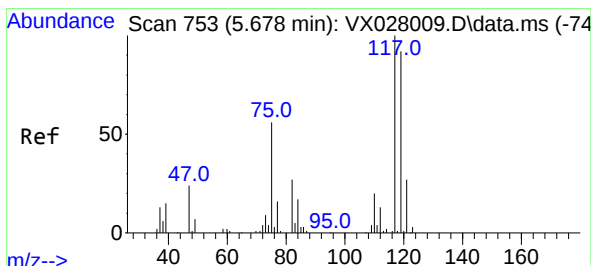
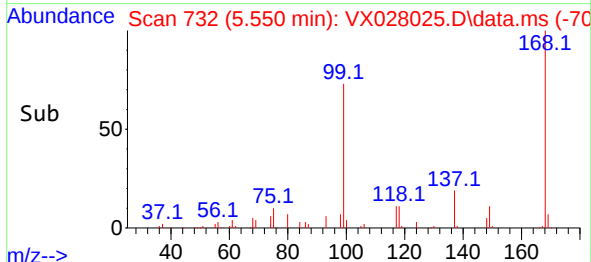
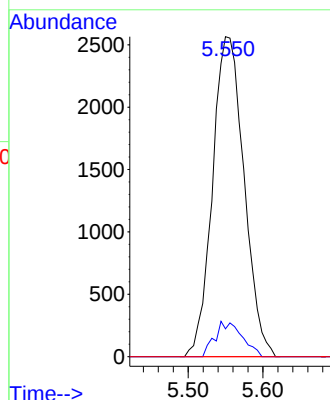
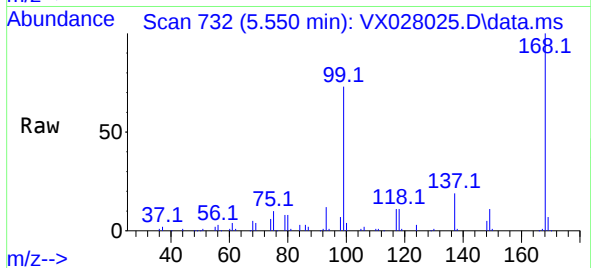




#36
1,1-Dichloropropene
Concen: 5.347 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

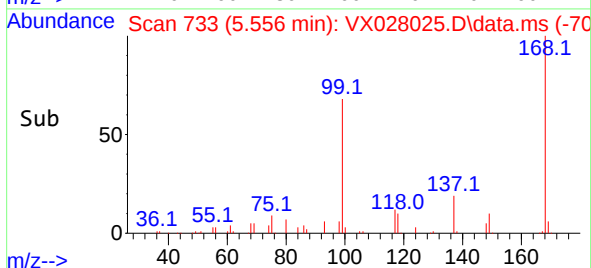
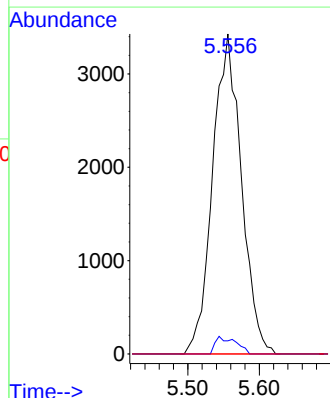
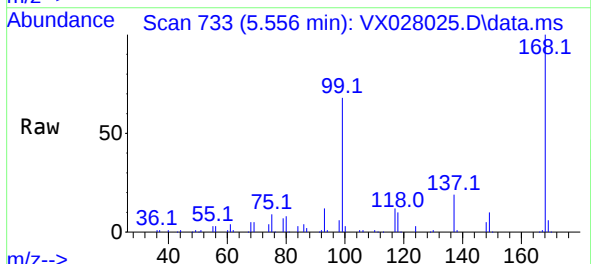
Instrument :
MSVOA_X
ClientSampleId :
MW-9D

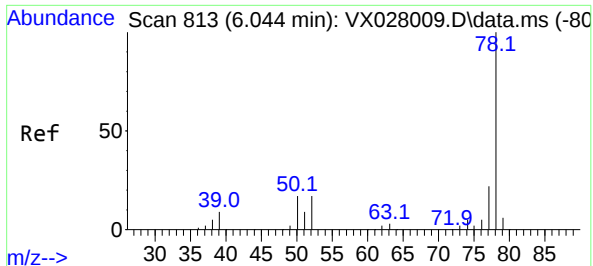
Tgt Ion: 75 Resp: 7530
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.276 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion: 117 Resp: 9566
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#

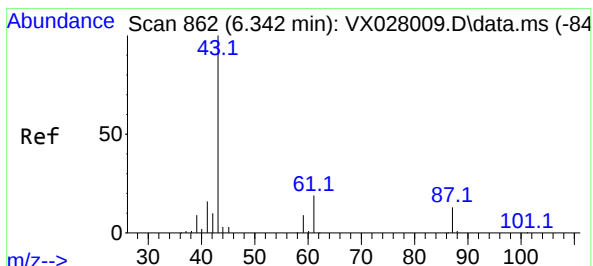
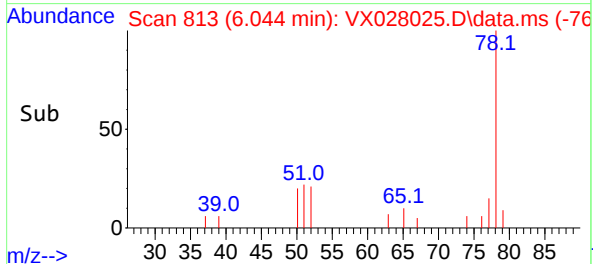
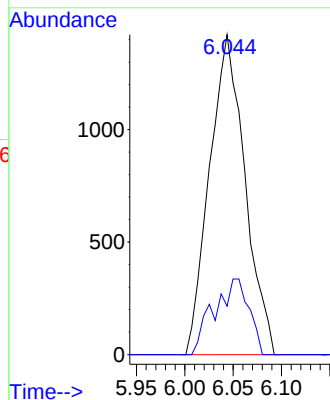
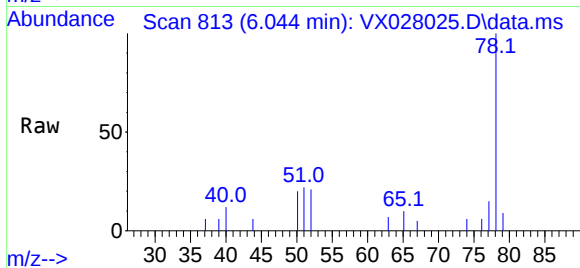




#40
Benzene
Concen: 0.921 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

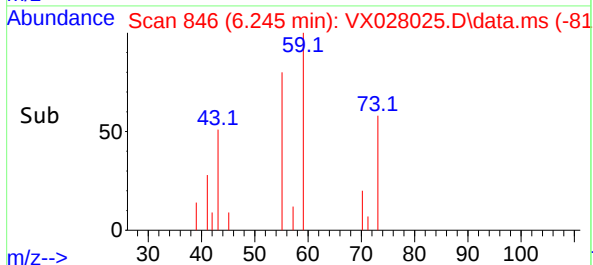
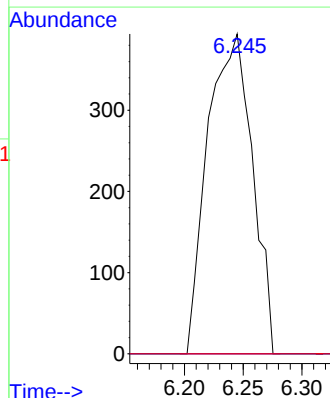
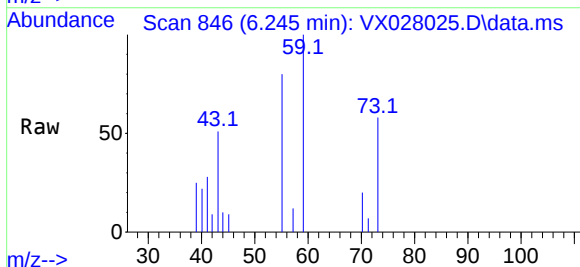
Instrument :
MSVOA_X
Client Sample Id :
MW-9D

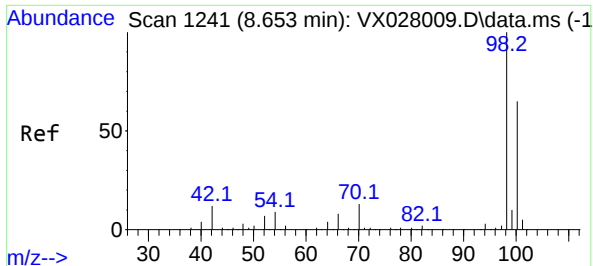
Tgt Ion: 78 Resp: 3622
Ion Ratio Lower Upper
78 100
77 15.1 19.3 28.9#



#43
Isopropyl Acetate
Concen: 0.418 ug/l
RT: 6.245 min Scan# 846
Delta R.T. -0.097 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#

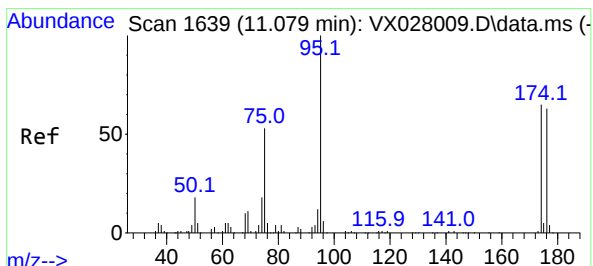
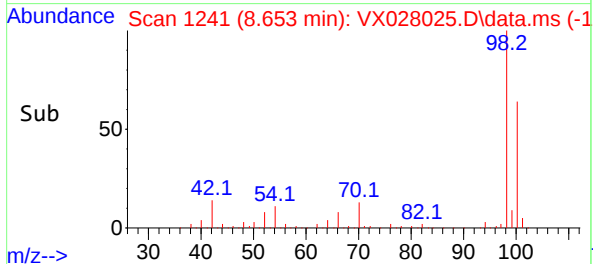
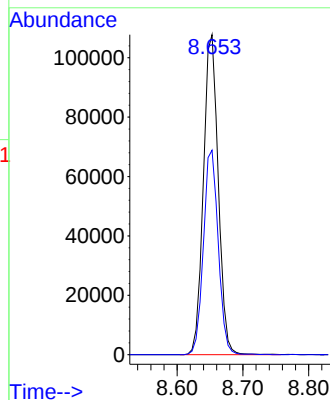
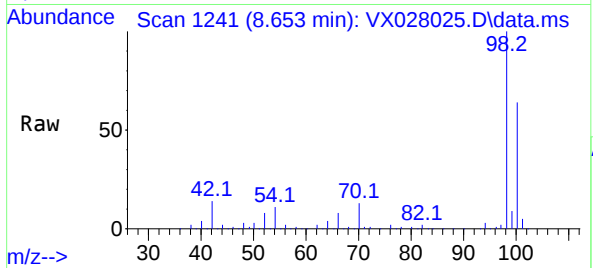




#50
Toluene-d8
Concen: 49.550 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

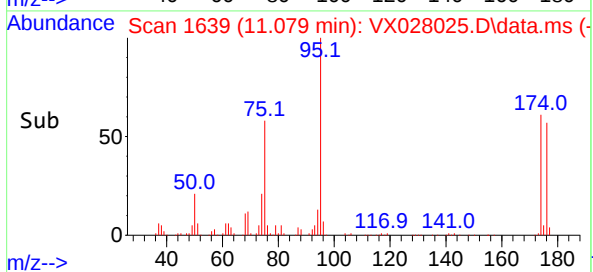
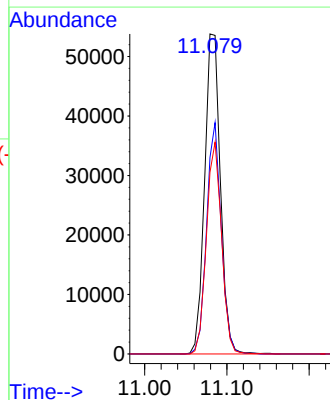
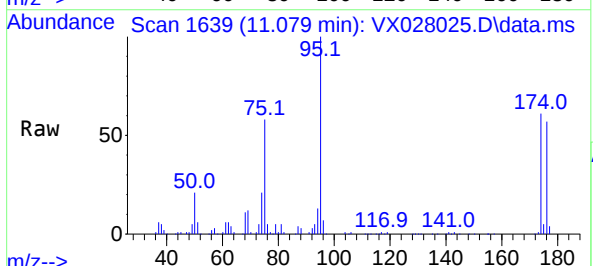
Instrument :
MSVOA_X
ClientSampleId :
MW-9D

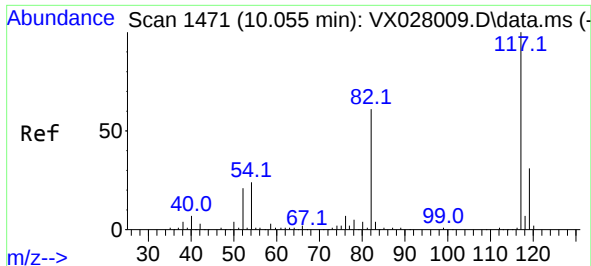
Tgt Ion: 98 Resp: 169313
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.423 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion: 95 Resp: 71791
Ion Ratio Lower Upper
95 100
174 67.2 0.0 163.0
176 63.4 0.0 155.0

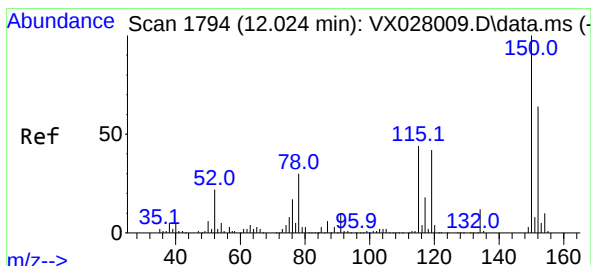
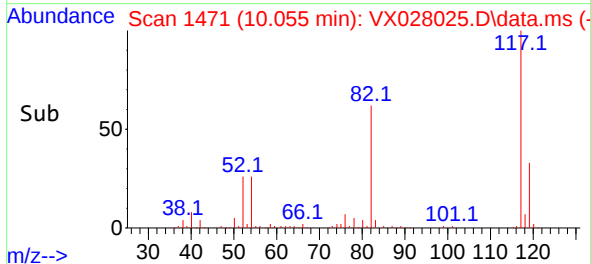
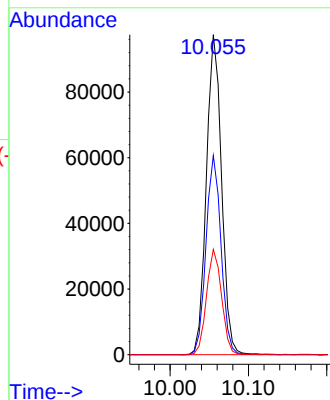
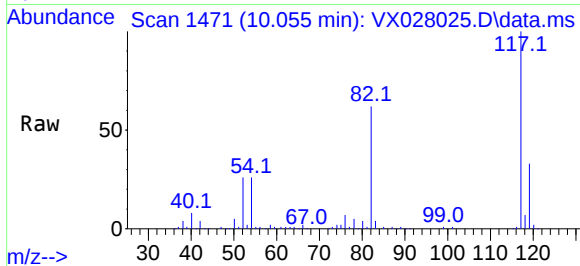




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

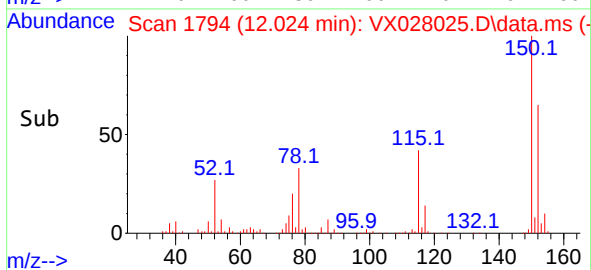
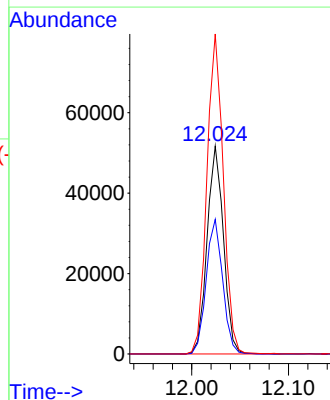
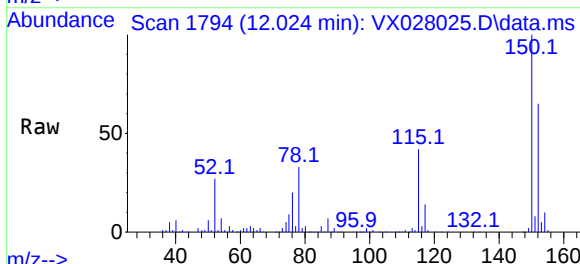
Instrument :
MSVOA_X
ClientSampleId :
MW-9D

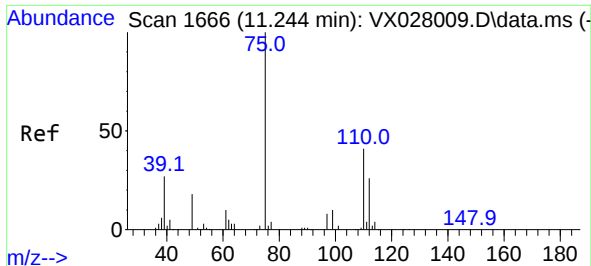
Tgt Ion:117 Resp: 130744
Ion Ratio Lower Upper
117 100
82 62.2 41.8 62.8
119 32.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion:152 Resp: 61064
Ion Ratio Lower Upper
152 100
115 65.2 37.5 112.7
150 154.2 0.0 338.2

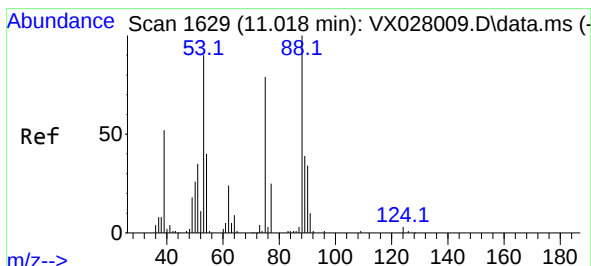
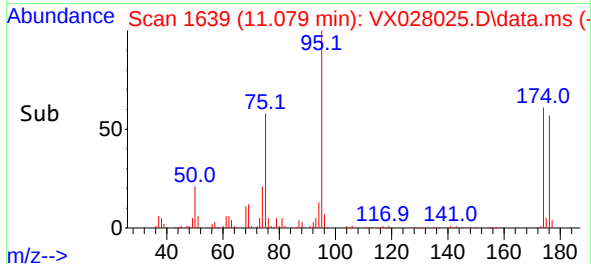
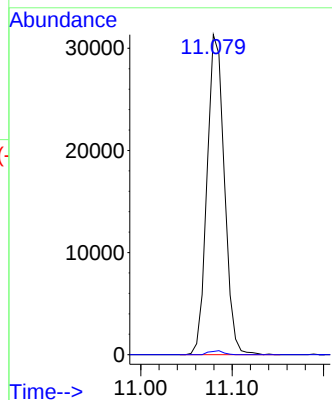
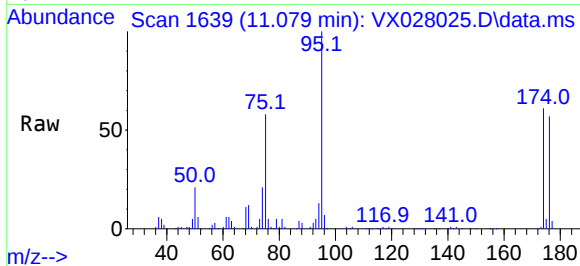




#76
1,2,3-Trichloropropane
Concen: 27.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

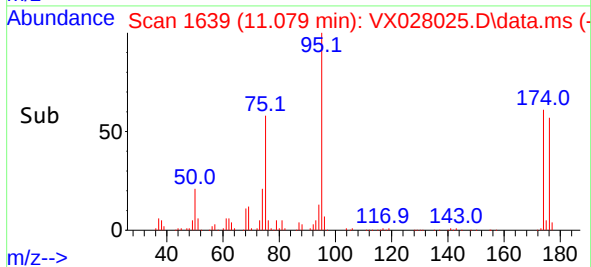
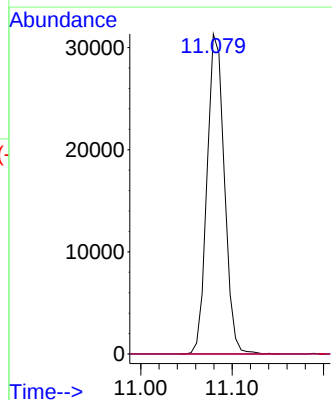
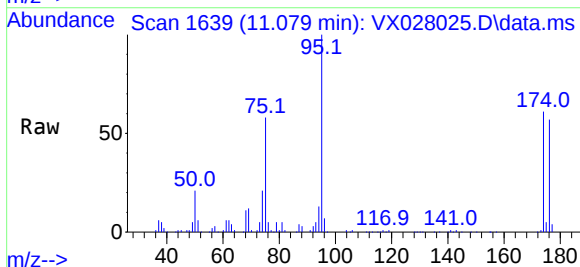
Instrument :
MSVOA_X
ClientSampleId :
MW-9D

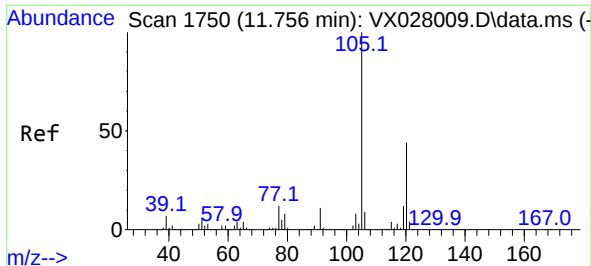
Tgt Ion: 75 Resp: 41119
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion: 75 Resp: 41119
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

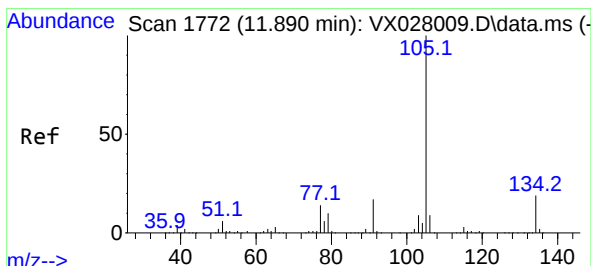
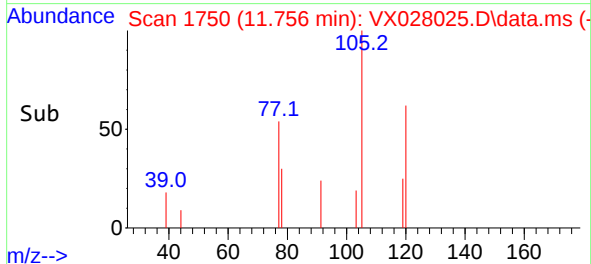
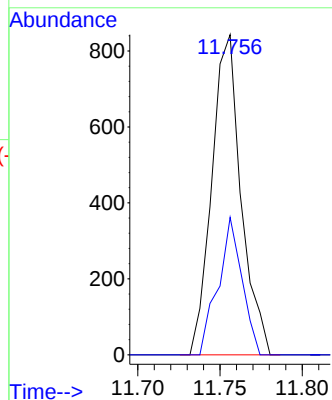
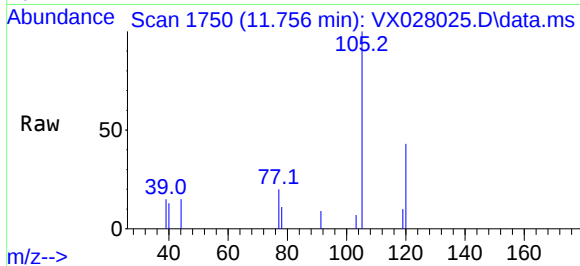




#84
1,2,4-Trimethylbenzene
Concen: 0.255 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Instrument :
MSVOA_X
ClientSampleId :
MW-9D

Tgt Ion:105 Resp: 1041
Ion Ratio Lower Upper
105 100
120 35.0 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.218 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX028025.D
Acq: 08 Apr 2022 14:24

Tgt Ion:105 Resp: 1041
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

