

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022124\
 Data File : VX040376.D
 Acq On : 21 Feb 2024 13:11
 Operator : JC/MD
 Sample : P1520-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20240215

Quant Time: Feb 22 01:06:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

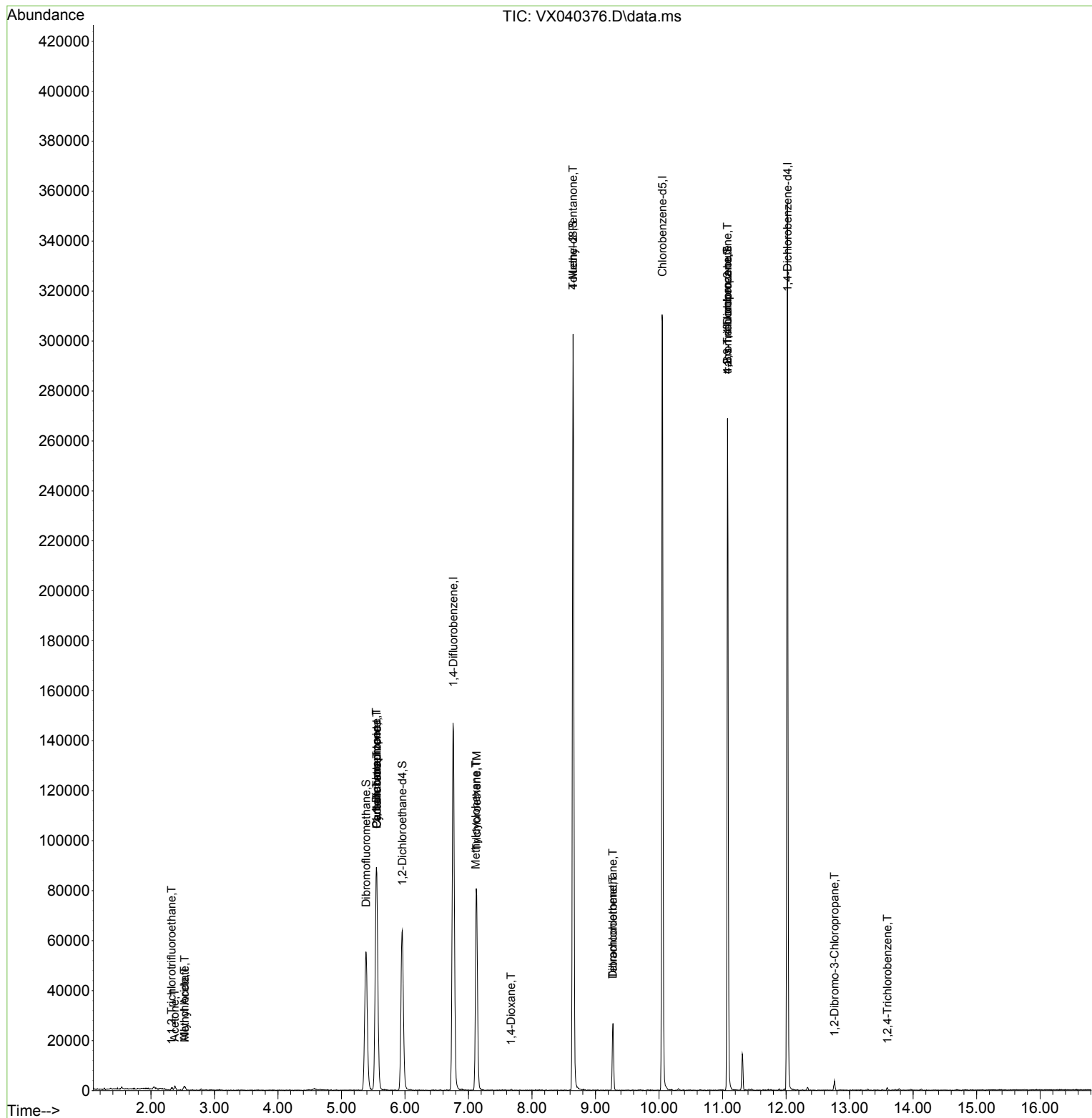
Internal Standards						
1) Pentafluorobenzene	5.556	168	81196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	145214	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63289	52.393	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.780%			
35) Dibromofluoromethane	5.385	113	47670	47.007	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.020%			
50) Toluene-d8	8.647	98	178613	47.085	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.160%			
62) 4-Bromofluorobenzene	11.079	95	68494	44.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.540%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	519	0.603	ug/l #	81
14) Allyl chloride	2.526	41	345	0.240	ug/l #	13
16) Acetone	2.373	43	1488	2.999	ug/l	91
18) Methyl Acetate	2.532	43	483	0.363	ug/l #	53
20) Methylene Chloride	2.788	84	218	Below Cal	#	59
31) Cyclohexane	5.556	56	2240	1.555	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	7119	5.011	ug/l #	51
38) Carbon Tetrachloride	5.556	117	9024	6.681	ug/l #	14
39) Methylcyclohexane	7.117	83	344	0.208	ug/l #	1
44) Trichloroethene	7.129	130	29977	27.356	ug/l	97
49) 1,4-Dioxane	7.671	88	201	7.318	ug/l #	96
51) 4-Methyl-2-Pentanone	8.647	43	952	0.565	ug/l #	1
60) Dibromochloromethane	9.275	129	2200	1.946	ug/l #	11
64) Tetrachloroethene	9.275	164	2091	2.164	ug/l #	75
76) 1,2,3-Trichloropropane	11.079	75	38749	26.843	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	38749	73.576	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	12.762	75	98	0.235	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.597	180	343	0.220	ug/l	73

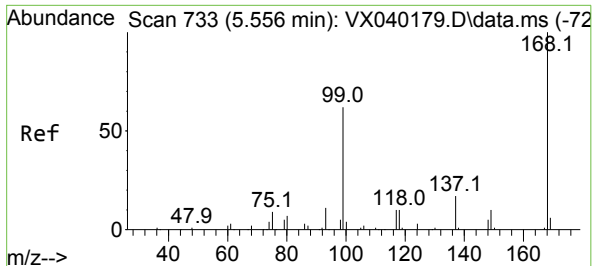
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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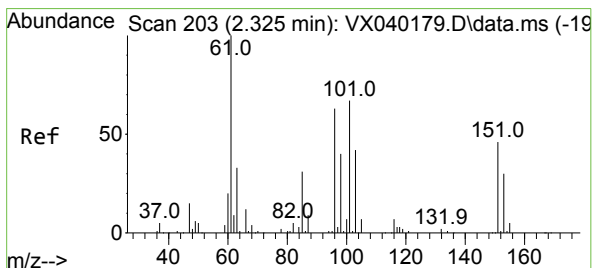
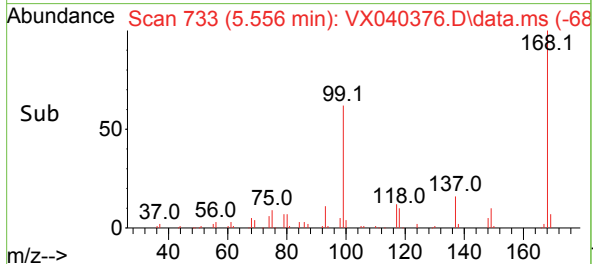
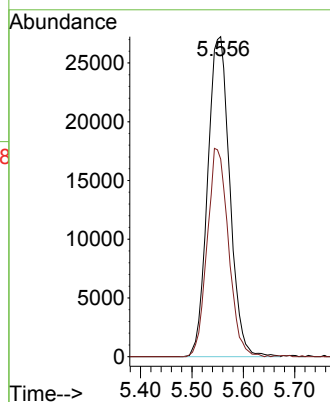
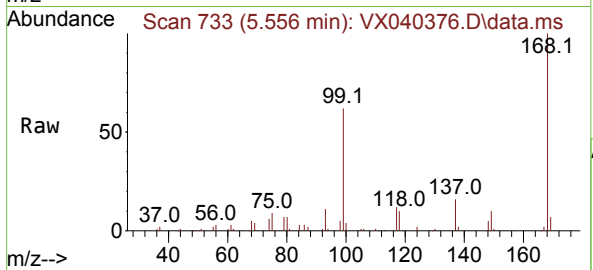




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

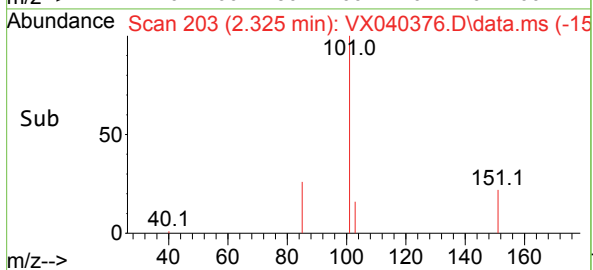
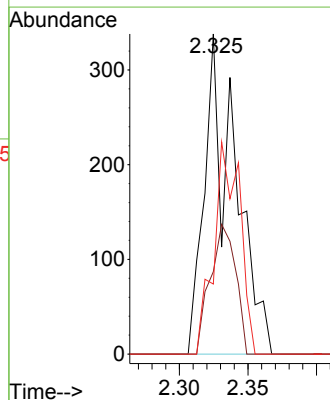
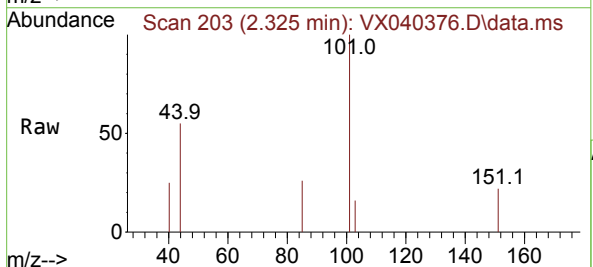
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20240215

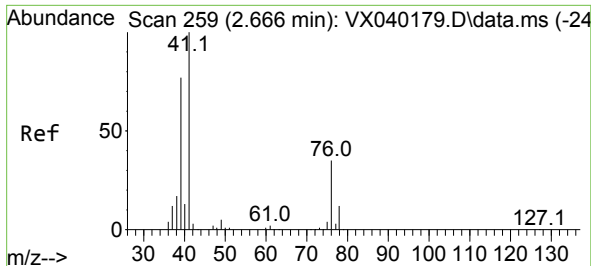
Tgt Ion:168 Resp: 81196
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.603 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion:101 Resp: 519
Ion Ratio Lower Upper
101 100
85 34.1 37.0 55.6#
151 56.6 58.6 87.8#

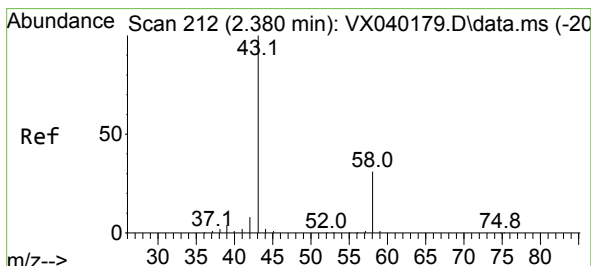
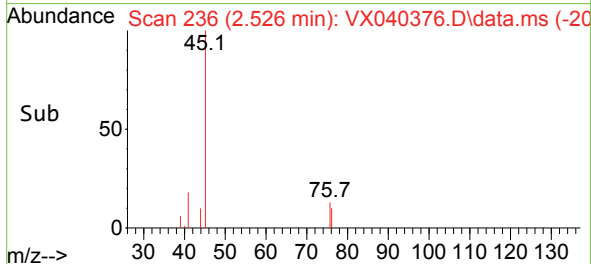
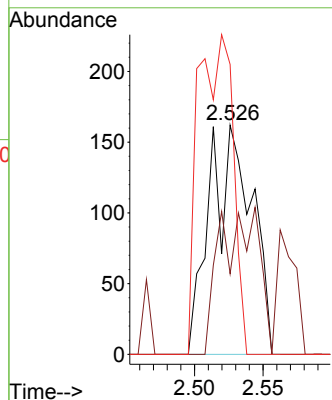
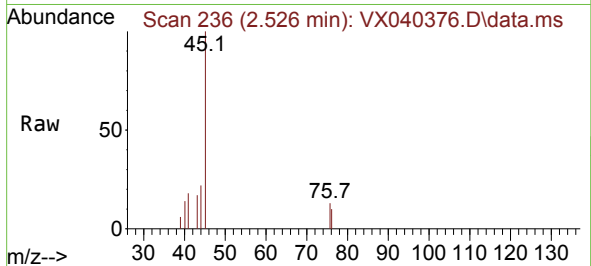




#14
 Allyl chloride
 Concen: 0.240 ug/l
 RT: 2.526 min Scan# 211
 Delta R.T. -0.134 min
 Lab File: VX040376.D
 Acq: 21 Feb 2024 13:11

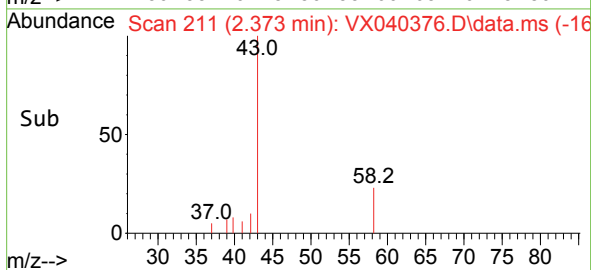
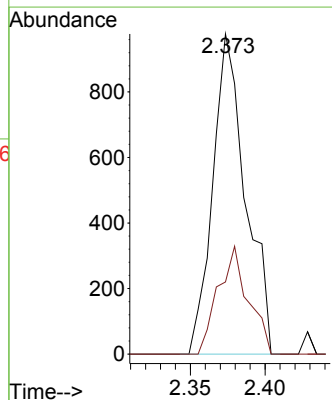
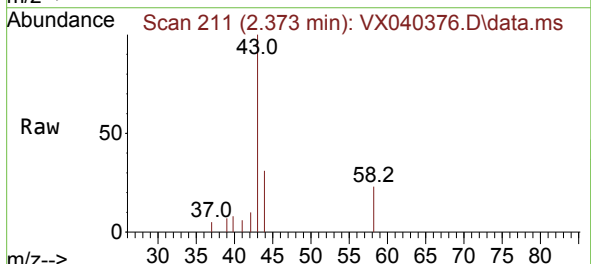
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20240215

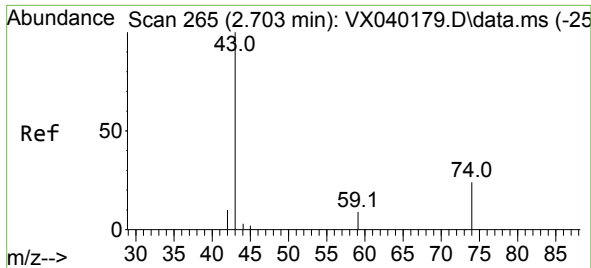
Tgt Ion: 41 Resp: 345
 Ion Ratio Lower Upper
 41 100
 39 23.5 55.8 83.6#
 76 115.9 24.3 36.5#



#16
 Acetone
 Concen: 2.999 ug/l
 RT: 2.373 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VX040376.D
 Acq: 21 Feb 2024 13:11

Tgt Ion: 43 Resp: 1488
 Ion Ratio Lower Upper
 43 100
 58 22.5 21.9 32.9

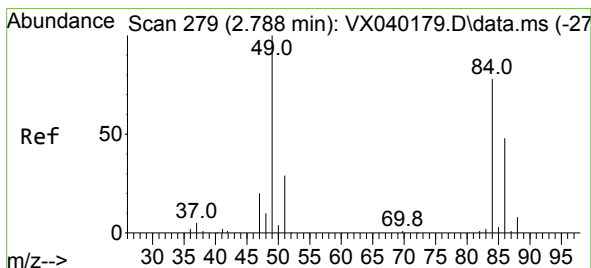
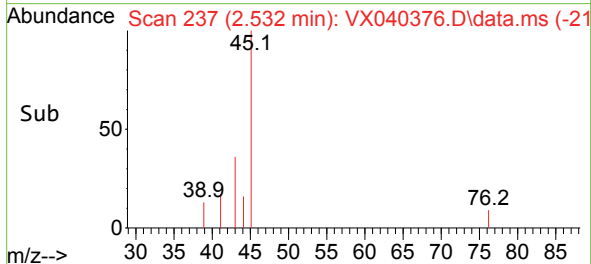
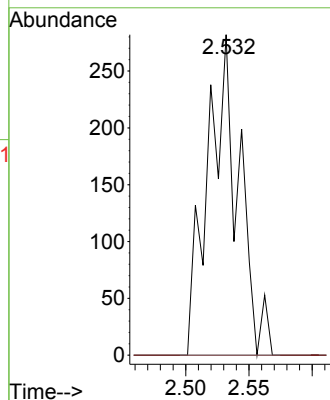
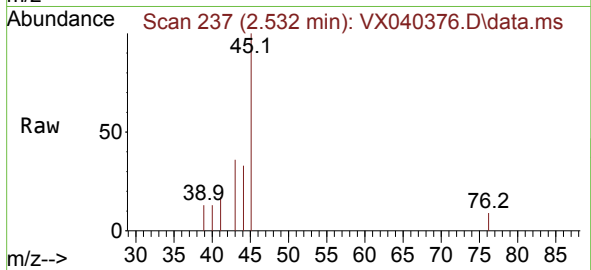




#18
Methyl Acetate
Concen: 0.363 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.171 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

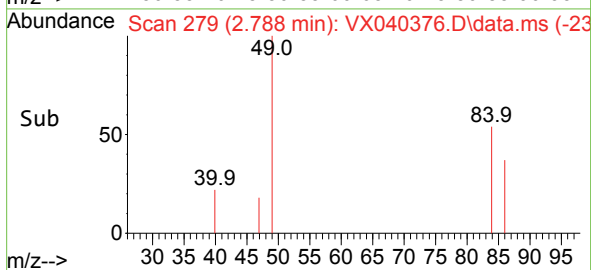
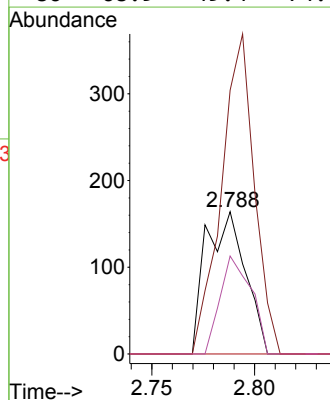
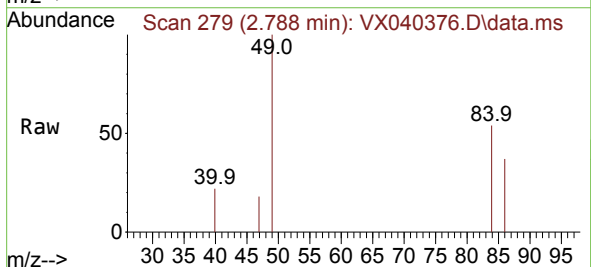
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20240215

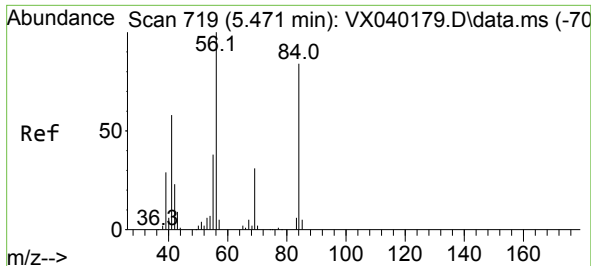
Tgt Ion: 43 Resp: 483
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

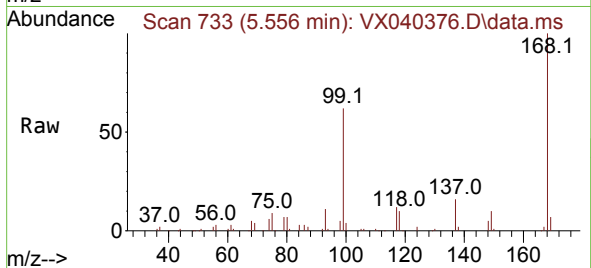
Tgt Ion: 84 Resp: 218
Ion Ratio Lower Upper
84 100
49 185.4 103.6 155.4#
51 0.0 33.8 50.6#
86 68.9 49.4 74.0



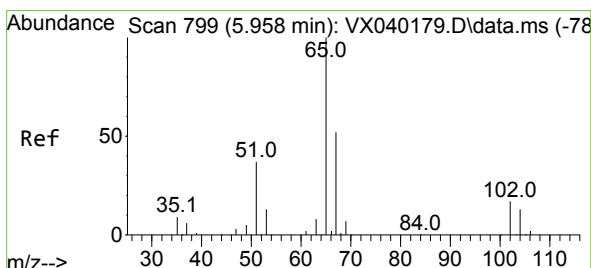
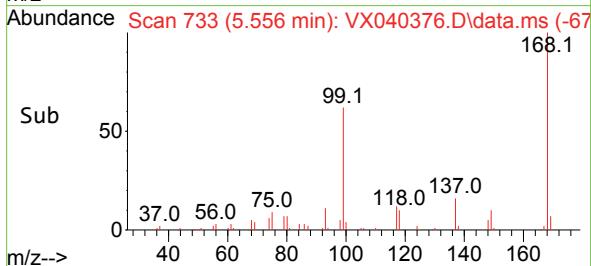
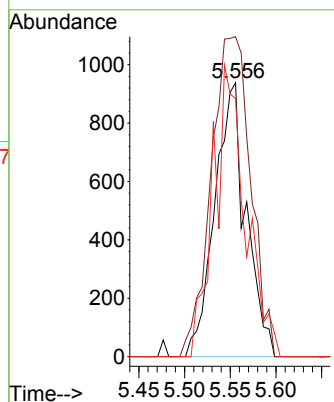


#31
Cyclohexane
Concen: 1.555 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Instrument :
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ClientSampleId :
DUP04-20240215

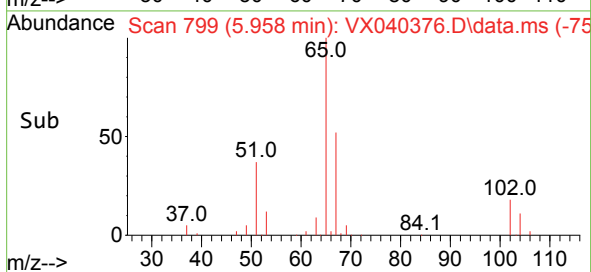
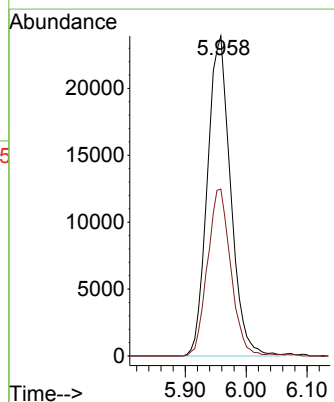
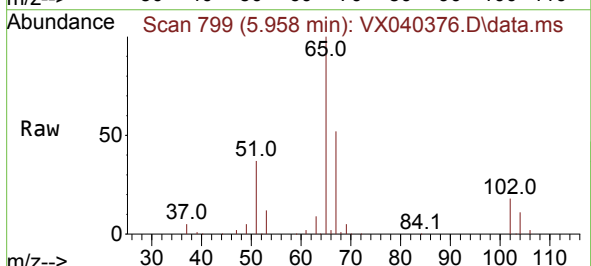


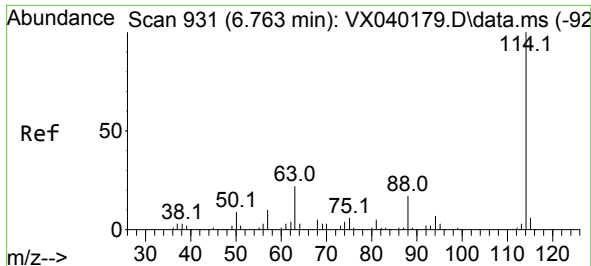
Tgt Ion: 56 Resp: 2240
Ion Ratio Lower Upper
56 100
69 116.8 23.4 35.2#
84 94.2 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 52.393 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion: 65 Resp: 63289
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2

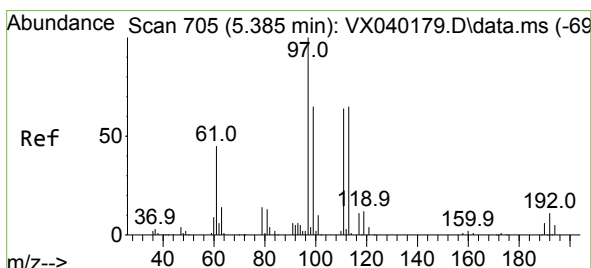
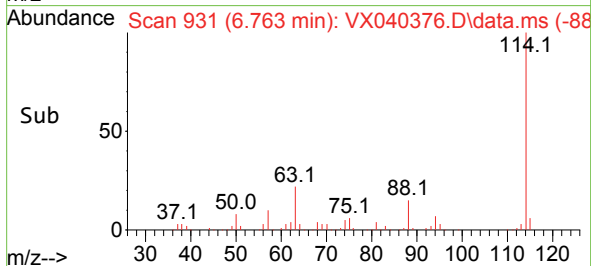
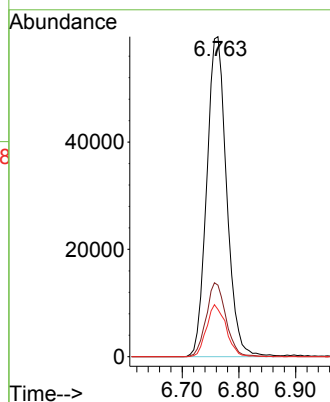
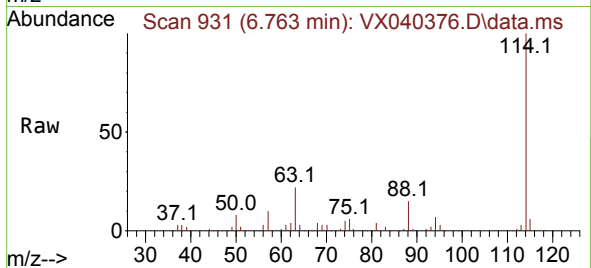




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

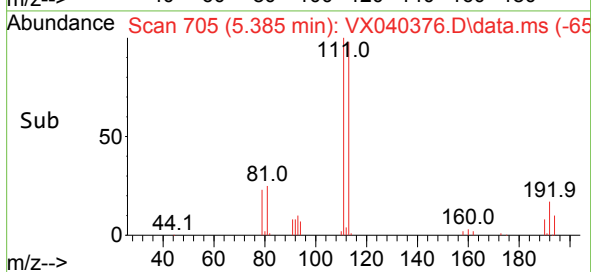
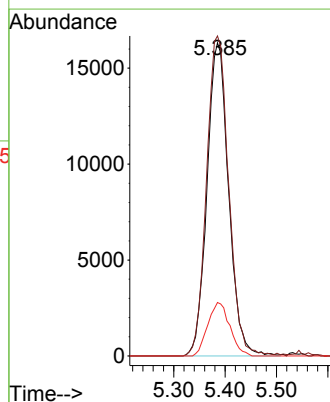
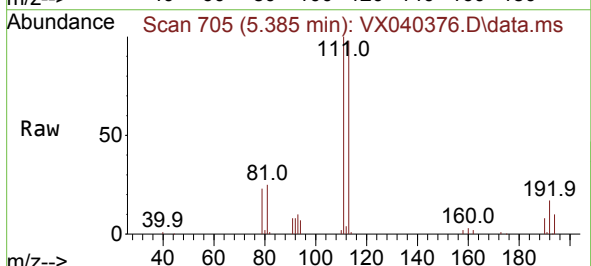
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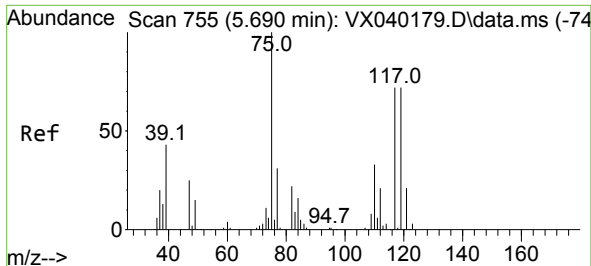
Tgt Ion:114 Resp: 145214
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.007 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion:113 Resp: 47670
Ion Ratio Lower Upper
113 100
111 104.6 82.9 124.3
192 17.4 13.3 19.9

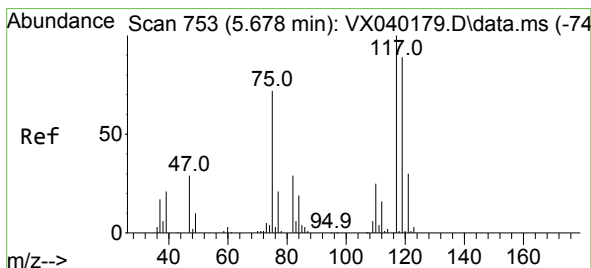
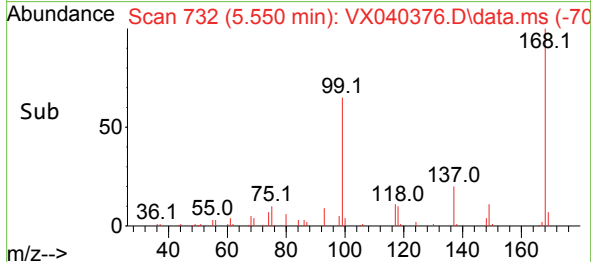
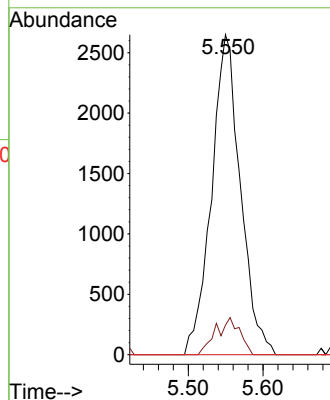
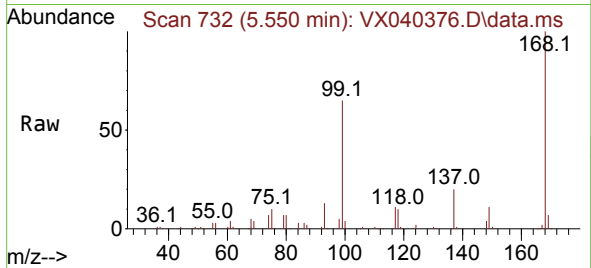




#36
1,1-Dichloropropene
Concen: 5.011 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

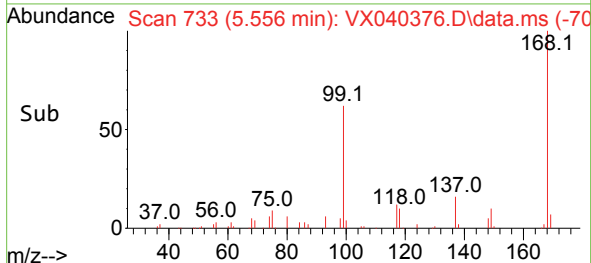
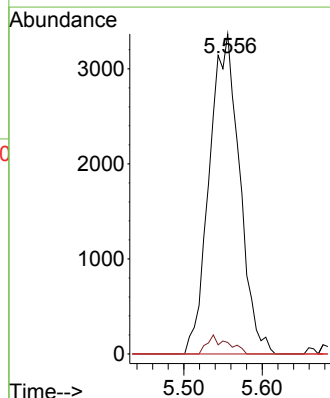
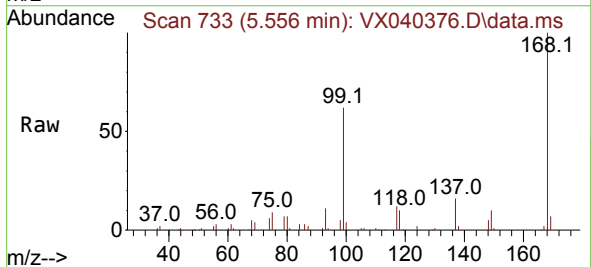
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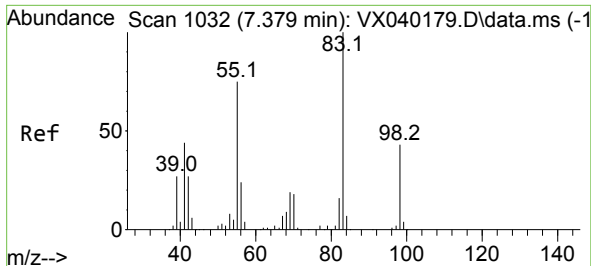
Tgt Ion: 75 Resp: 7119
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.681 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion: 117 Resp: 9024
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#

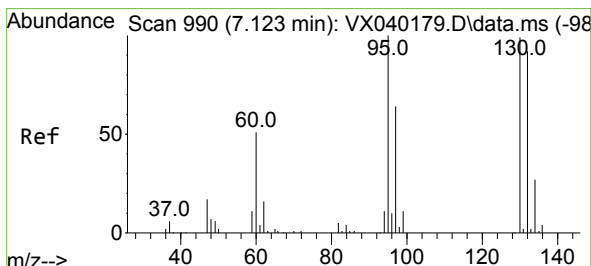
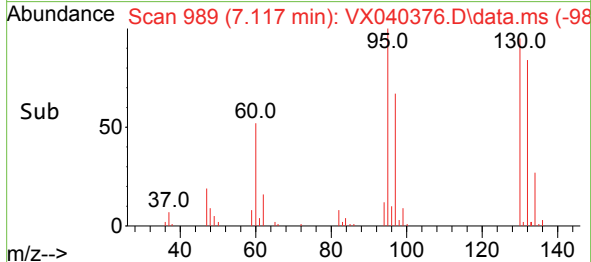
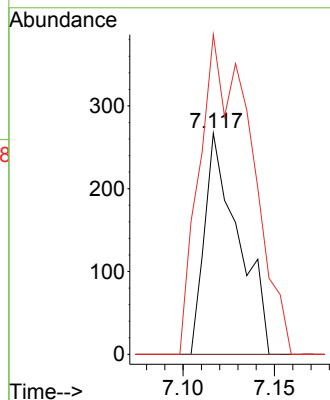
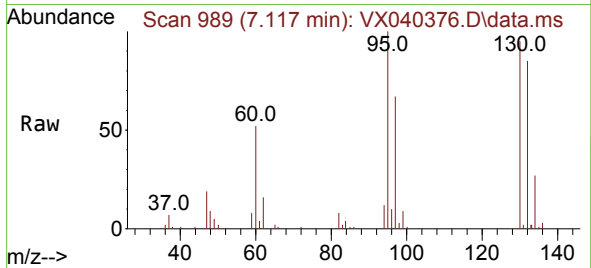




#39
Methylcyclohexane
Concen: 0.208 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.262 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

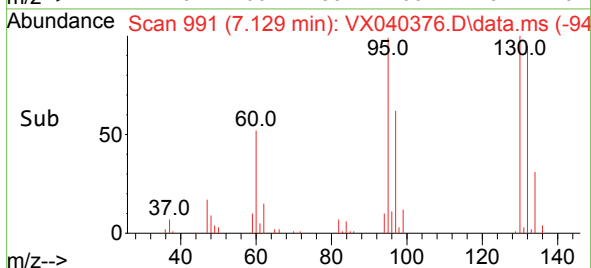
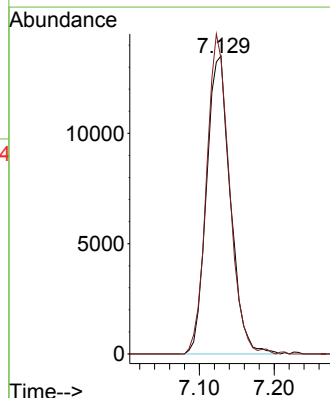
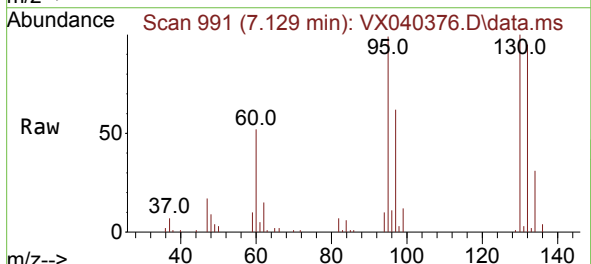
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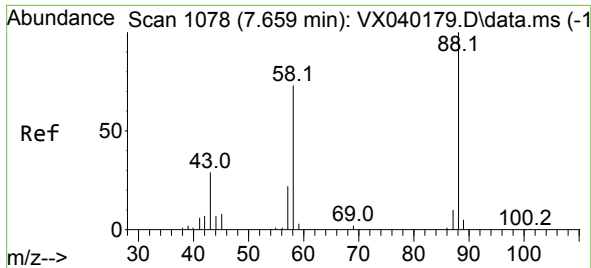
Tgt Ion: 83 Resp: 344
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 144.6 36.7 55.1#



#44
Trichloroethene
Concen: 27.356 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion:130 Resp: 29977
Ion Ratio Lower Upper
130 100
95 99.1 0.0 204.4

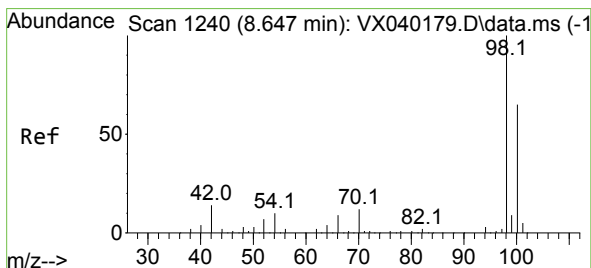
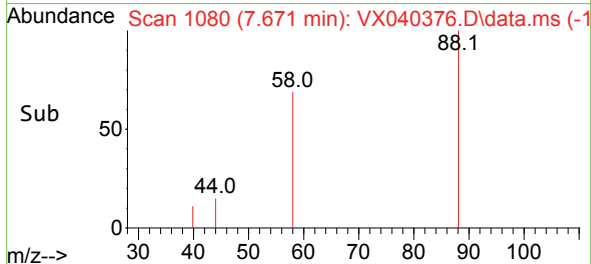
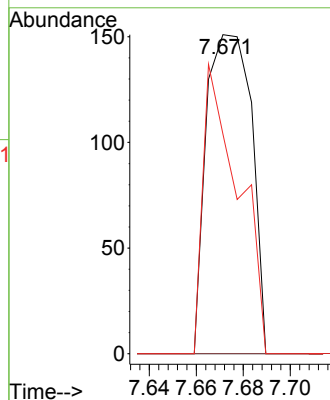
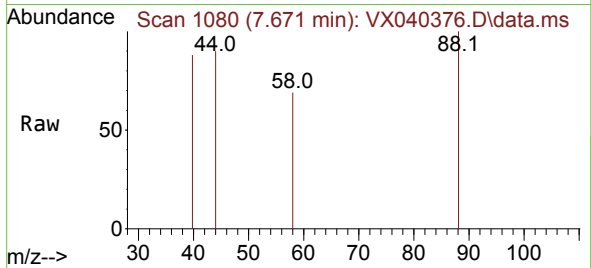




#49
1,4-Dioxane
Concen: 7.318 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

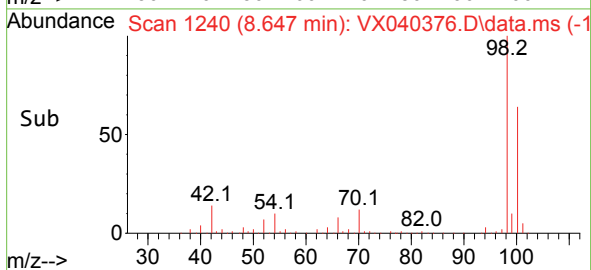
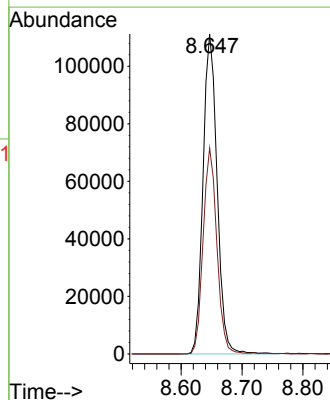
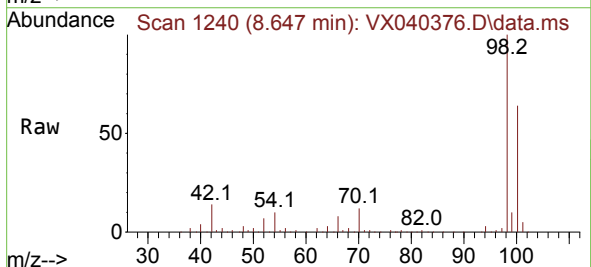
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20240215

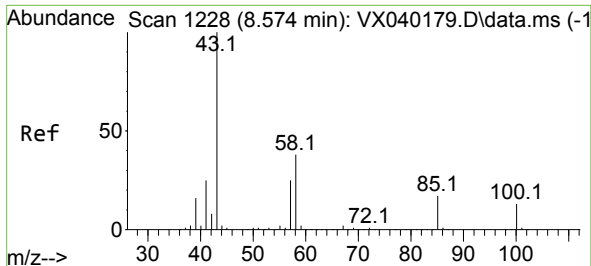
Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 71.6 60.1 90.1



#50
Toluene-d8
Concen: 47.085 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion: 98 Resp: 178613
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7

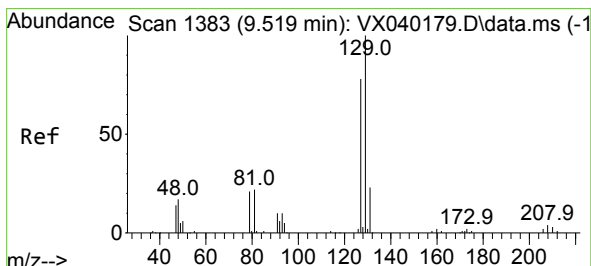
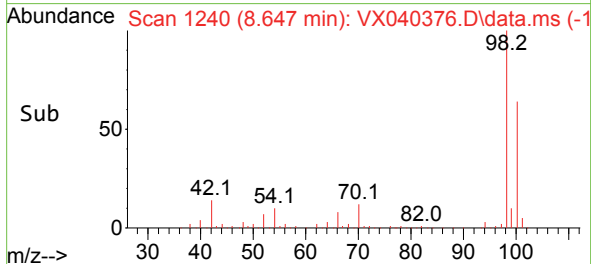
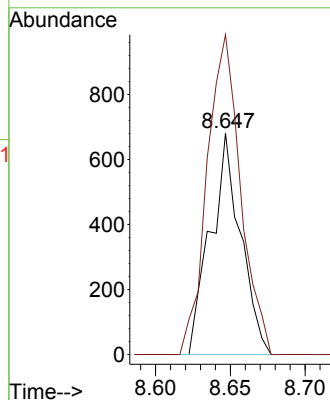
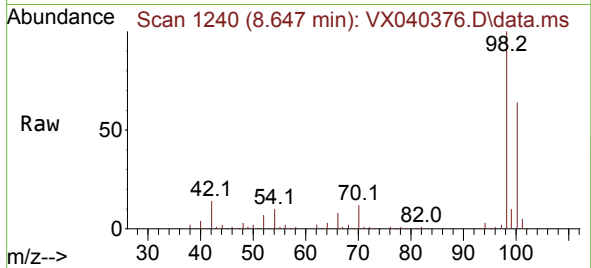




#51
4-Methyl-2-Pentanone
Concen: 0.565 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

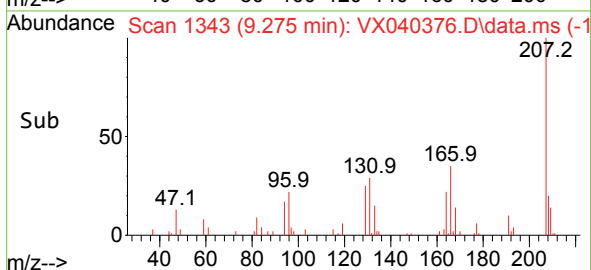
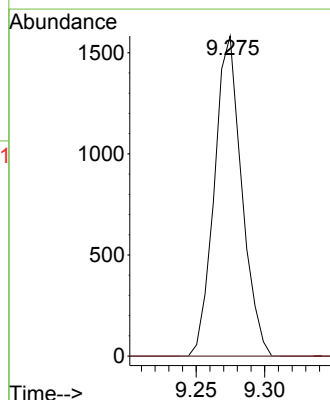
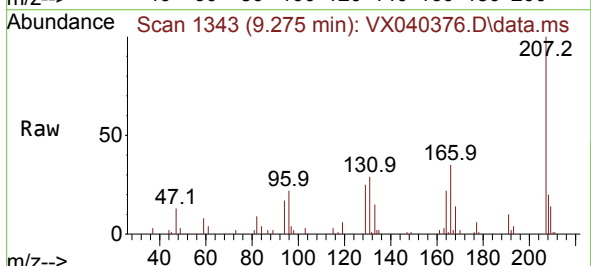
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20240215

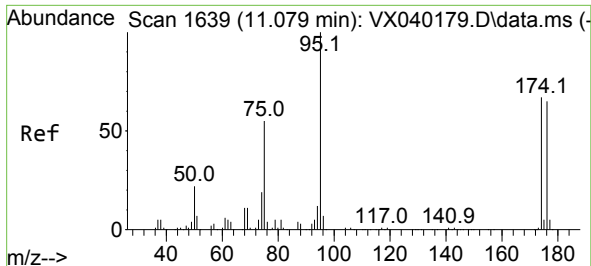
Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
58 160.8 30.4 45.6#



#60
Dibromochloromethane
Concen: 1.946 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion: 129 Resp: 2200
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

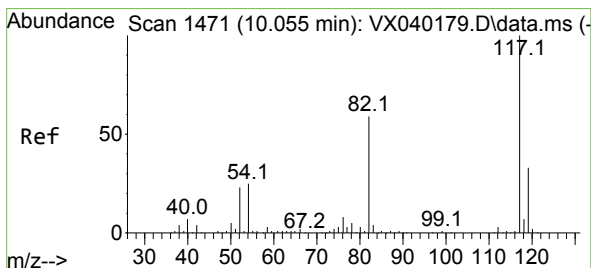
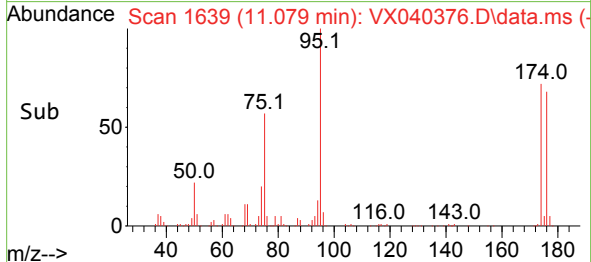
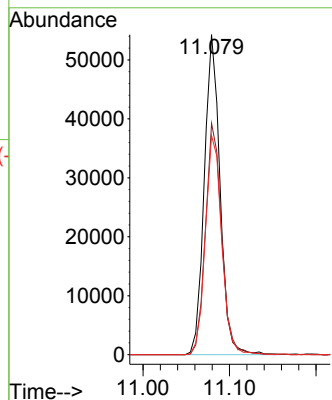
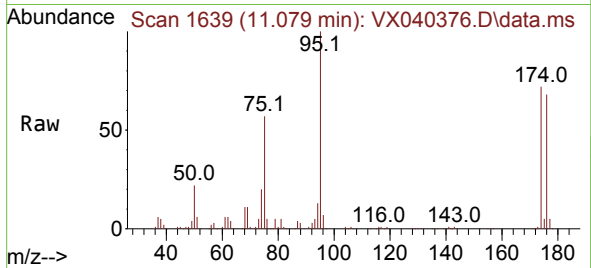




#62
4-Bromofluorobenzene
Concen: 44.272 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

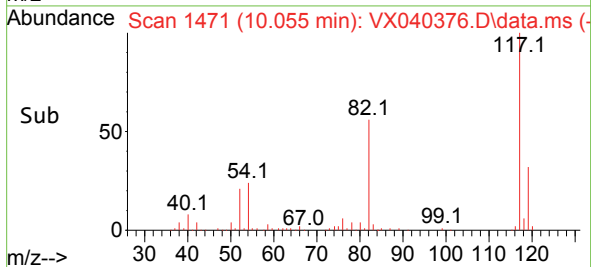
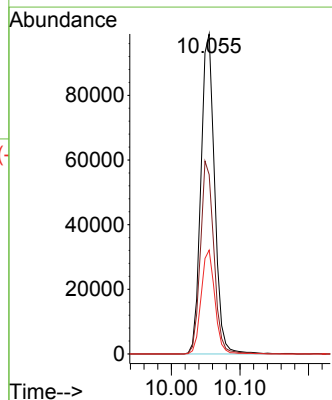
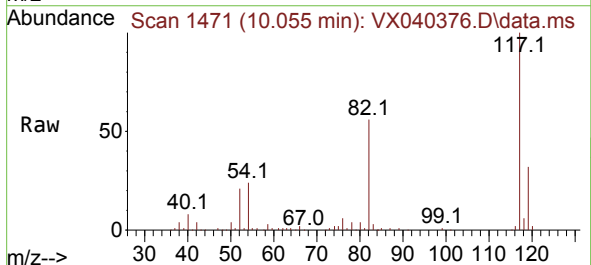
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20240215

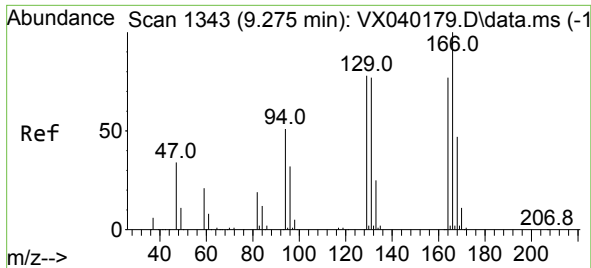
Tgt Ion: 95 Resp: 68494
Ion Ratio Lower Upper
95 100
174 74.5 0.0 135.6
176 71.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion: 117 Resp: 137896
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 32.5 25.5 38.3

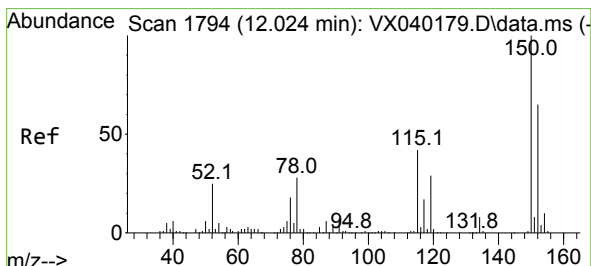
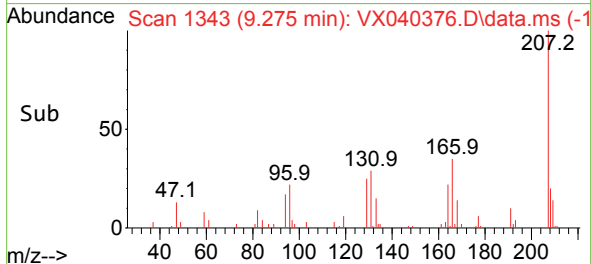
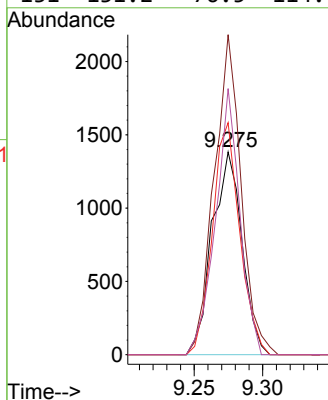
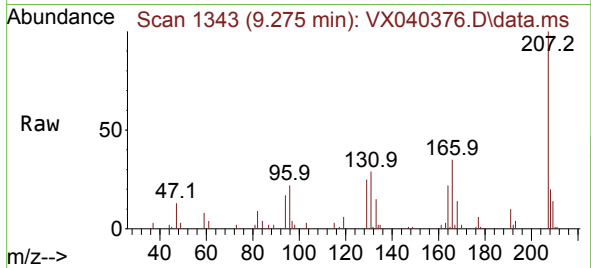




#64
Tetrachloroethene
Concen: 2.164 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

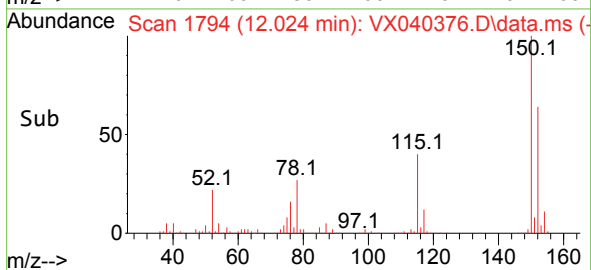
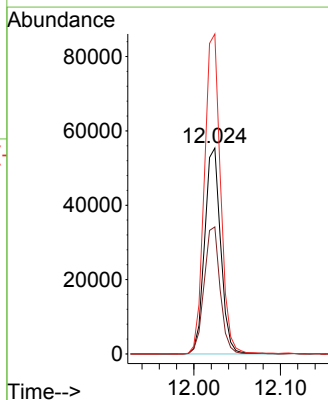
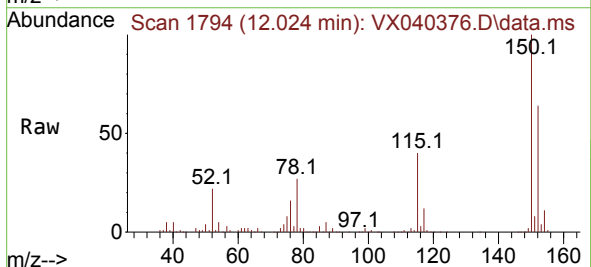
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20240215

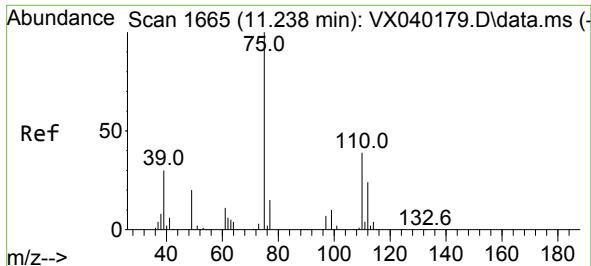
Tgt Ion:164 Resp: 2091
Ion Ratio Lower Upper
164 100
166 157.8 102.7 154.1#
129 114.5 80.4 120.6
131 131.2 76.5 114.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion:152 Resp: 71285
Ion Ratio Lower Upper
152 100
115 61.7 43.3 129.9
150 156.8 0.0 345.0

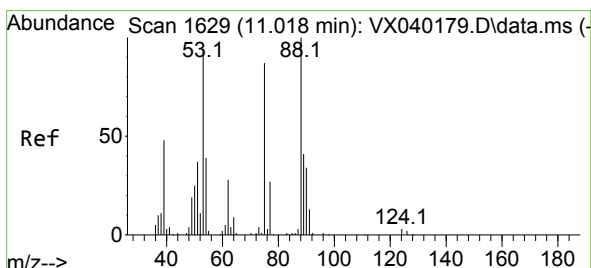
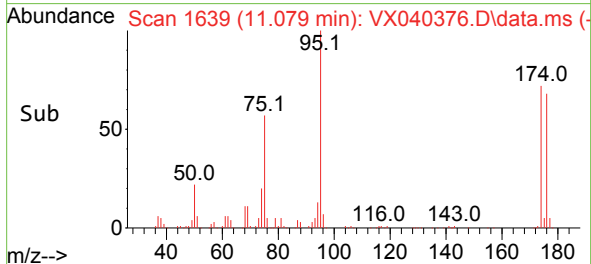
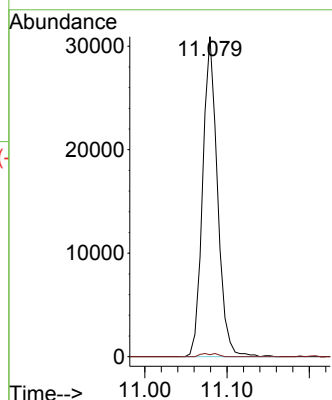
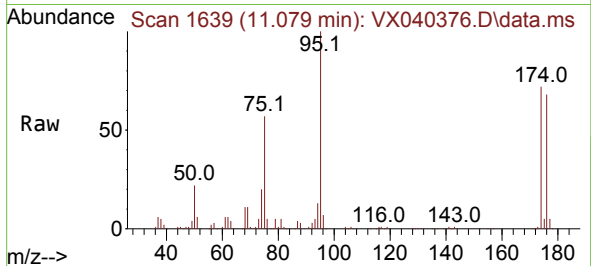




#76
1,2,3-Trichloropropane
Concen: 26.843 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

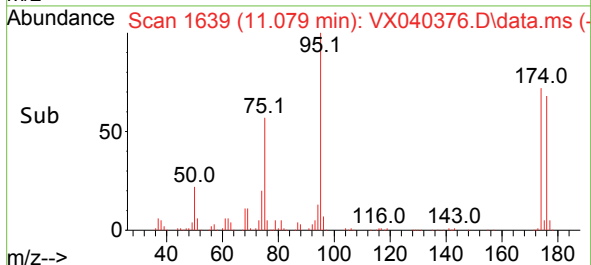
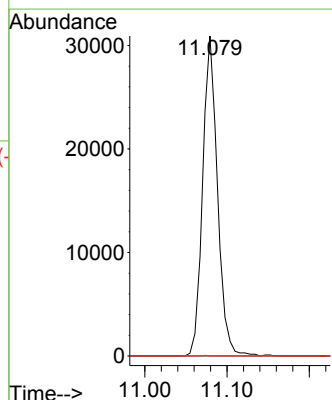
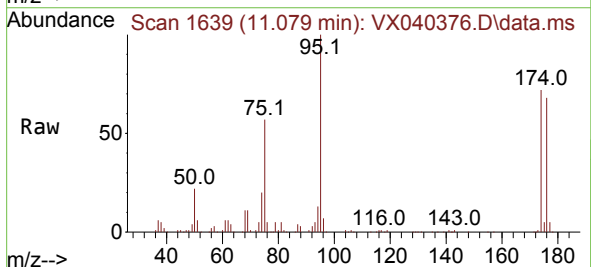
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20240215

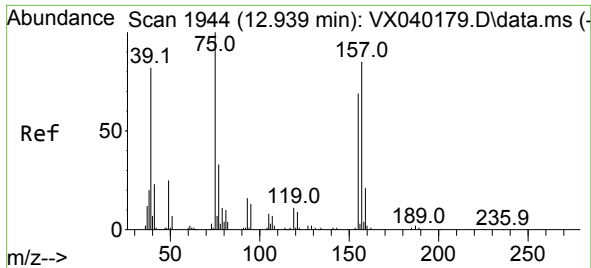
Tgt Ion: 75 Resp: 38749
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.576 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040376.D
Acq: 21 Feb 2024 13:11

Tgt Ion: 75 Resp: 38749
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

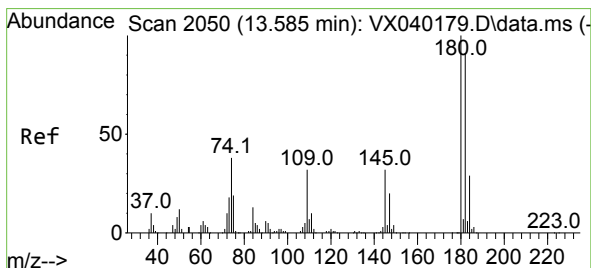
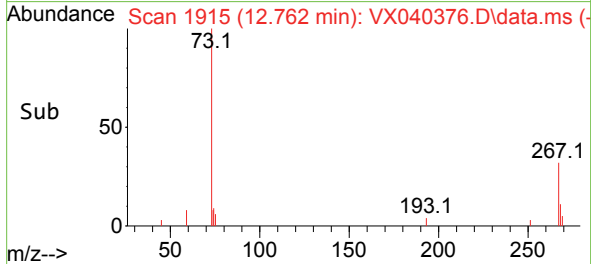
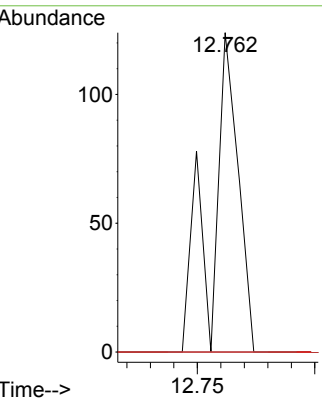
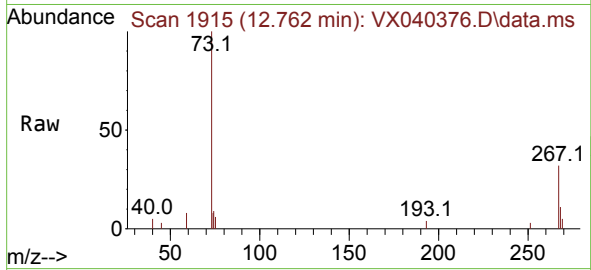




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.235 ug/l
 RT: 12.762 min Scan# 1915
 Delta R.T. -0.183 min
 Lab File: VX040376.D
 Acq: 21 Feb 2024 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20240215

Tgt Ion: 75 Resp: 98
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.1 108.5#
 157 0.0 44.9 134.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.220 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX040376.D
 Acq: 21 Feb 2024 13:11

Tgt Ion: 180 Resp: 343
 Ion Ratio Lower Upper
 180 100
 182 67.1 48.3 144.8
 145 46.6 18.0 54.0

