

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035371.D
 Acq On : 28 Apr 2023 07:18
 Operator : JC/MD
 Sample : 02522-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15

Quant Time: Apr 28 07:44:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

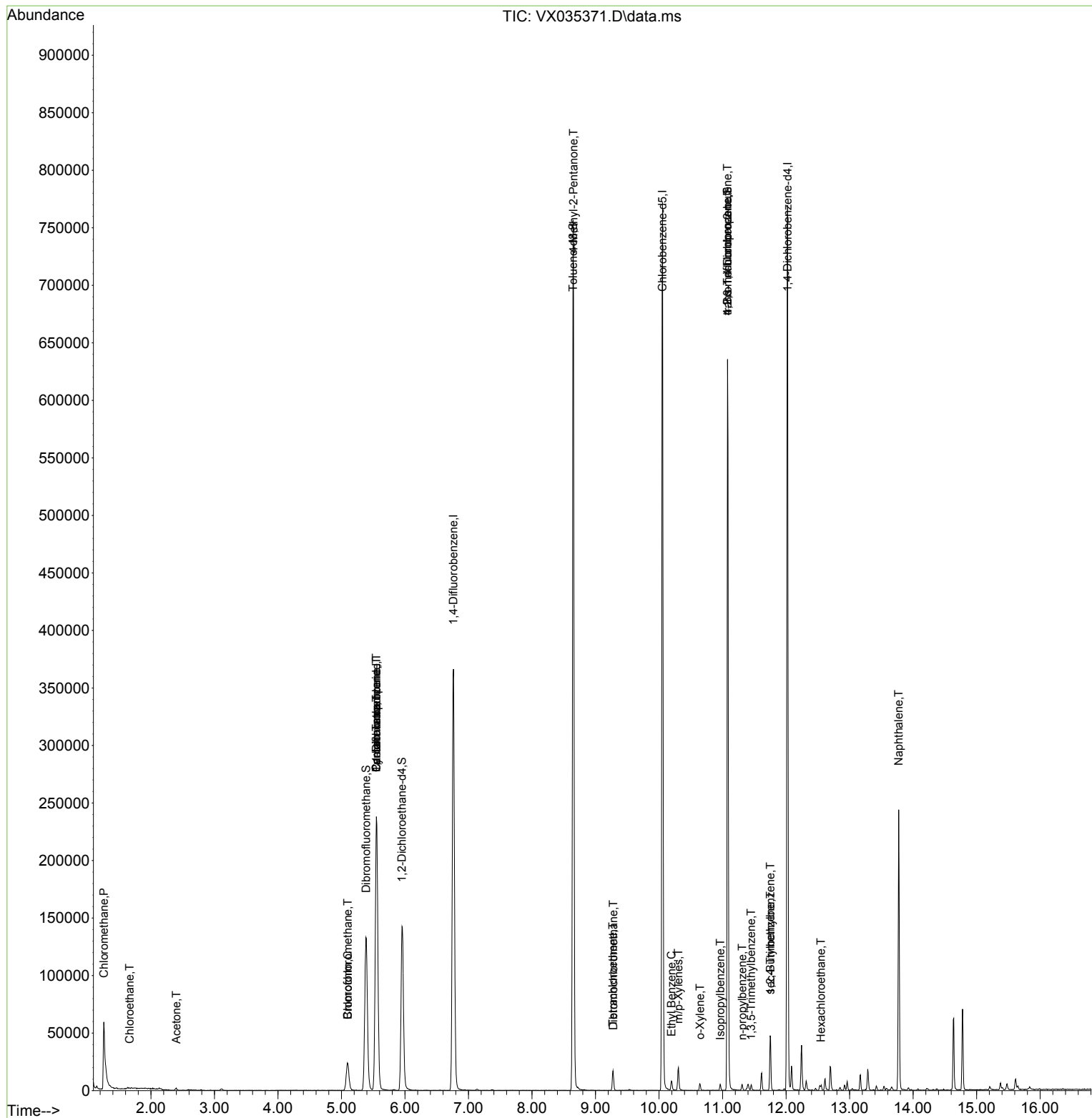
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	235056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	388063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	356831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	141301	49.827	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	99.660%	
35) Dibromofluoromethane	5.385	113	120056	50.405	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.820%	
50) Toluene-d8	8.647	98	455345	50.678	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	101.360%	
62) 4-Bromofluorobenzene	11.079	95	174721	51.693	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	103.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.258	50	1559	0.689	ug/l #	42
6) Chloroethane	1.666	64	351	0.264	ug/l #	42
16) Acetone	2.398	43	2145	1.742	ug/l	95
28) Bromochloromethane	5.099	49	2108	1.105	ug/l #	15
30) Chloroform	5.099	83	29791	6.590	ug/l	98
31) Cyclohexane	5.550	56	4675	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	16852	4.531	ug/l #	51
38) Carbon Tetrachloride	5.550	117	23079	6.537	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1930	0.550	ug/l #	1
60) Dibromochloromethane	9.281	129	3032	1.174	ug/l #	10
64) Tetrachloroethene	9.275	164	3495	1.279	ug/l #	85
67) Ethyl Benzene	10.195	91	5165	0.386	ug/l	97
68) m/p-Xylenes	10.305	106	4971	0.970	ug/l	97
69) o-Xylene	10.646	106	1507	0.300	ug/l	97
73) Isopropylbenzene	10.963	105	2905	0.233	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	85619	25.151	ug/l #	35
78) n-propylbenzene	11.311	91	3780	0.264	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	2291	0.218	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	85619	81.459	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	21729	2.056	ug/l	96
85) sec-Butylbenzene	11.756	105	21729	1.678	ug/l #	56
90) Hexachloroethane	12.548	117	427	0.253	ug/l #	15
95) Naphthalene	13.774	128	149708	13.126	ug/l	99

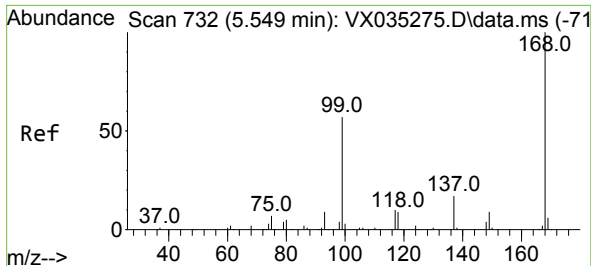
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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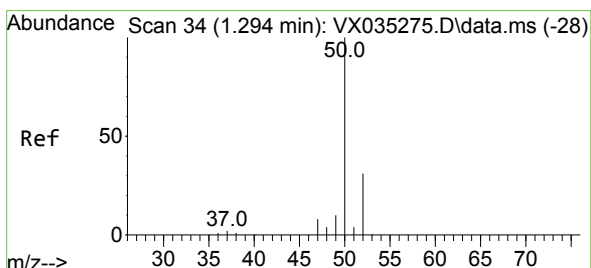
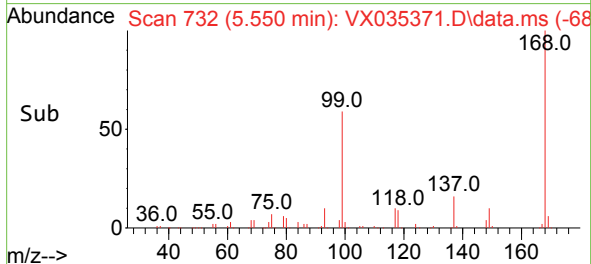
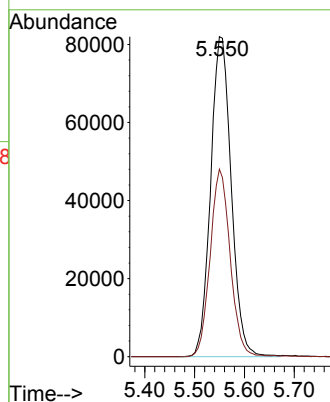
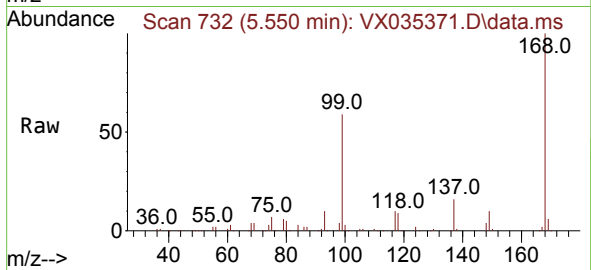




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

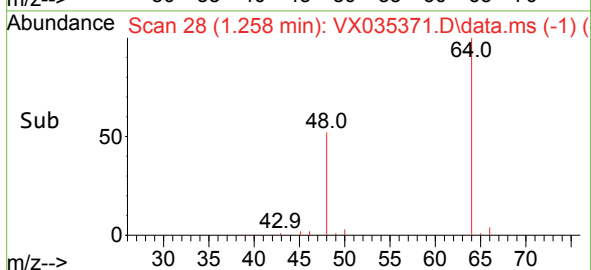
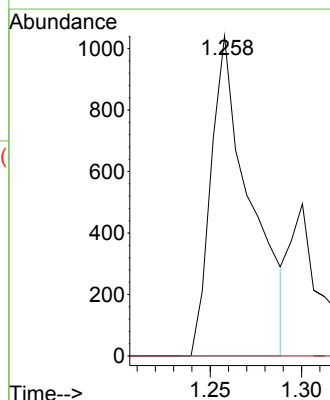
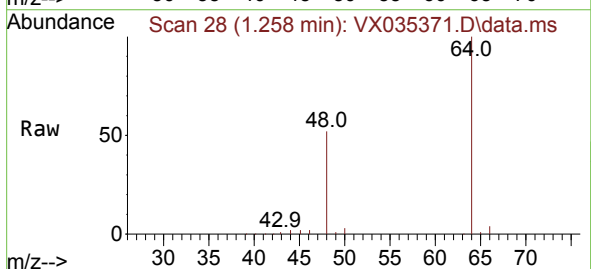
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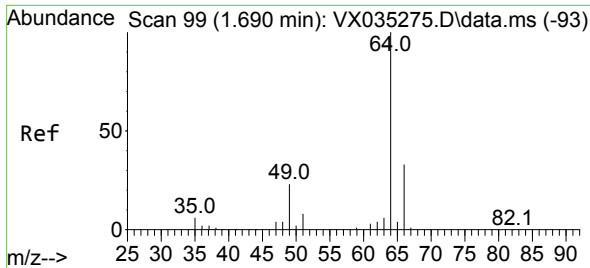
Tgt Ion:168 Resp: 235056
Ion Ratio Lower Upper
168 100
99 58.6 45.7 68.5



#3
Chloromethane
Concen: 0.689 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.036 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion: 50 Resp: 1559
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

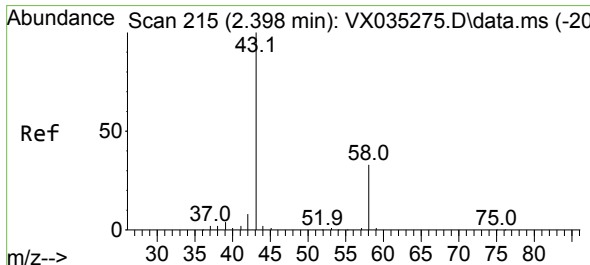
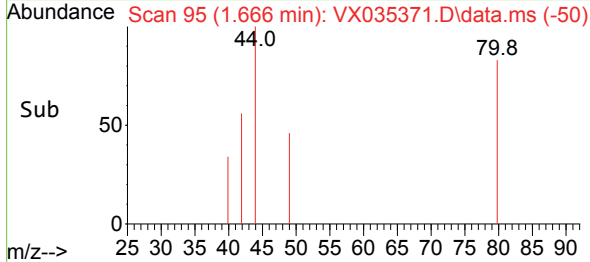
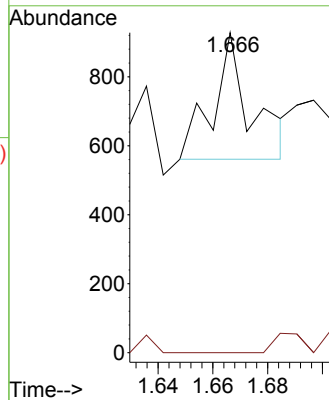
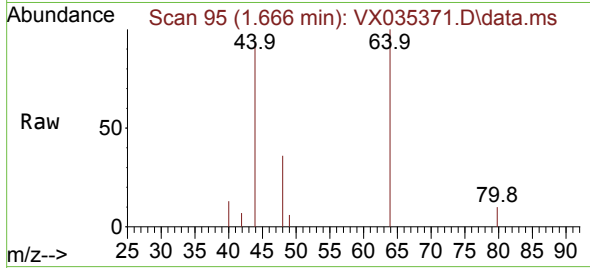




#6
 Chloroethane
 Concen: 0.264 ug/l
 RT: 1.666 min Scan# 91
 Delta R.T. -0.024 min
 Lab File: VX035371.D
 Acq: 28 Apr 2023 07:18

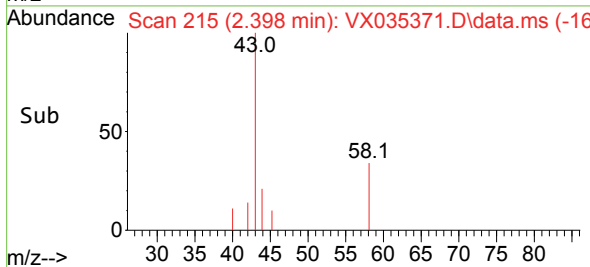
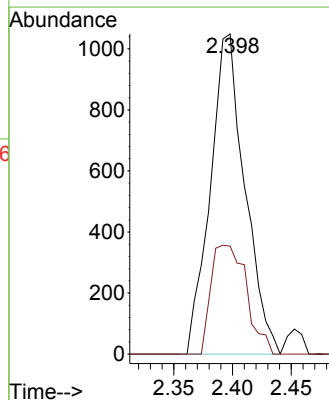
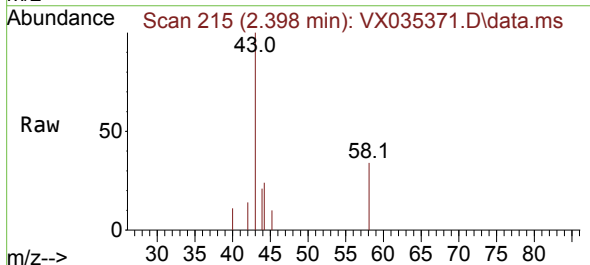
Instrument :
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 ClientSampleId :
 MW-15

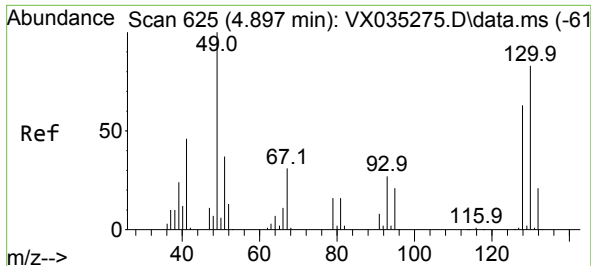
Tgt Ion: 64 Resp: 351
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.2 39.4#



#16
 Acetone
 Concen: 1.742 ug/l
 RT: 2.398 min Scan# 215
 Delta R.T. -0.000 min
 Lab File: VX035371.D
 Acq: 28 Apr 2023 07:18

Tgt Ion: 43 Resp: 2145
 Ion Ratio Lower Upper
 43 100
 58 33.7 24.7 37.1

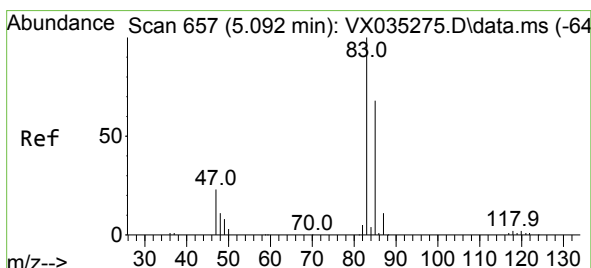
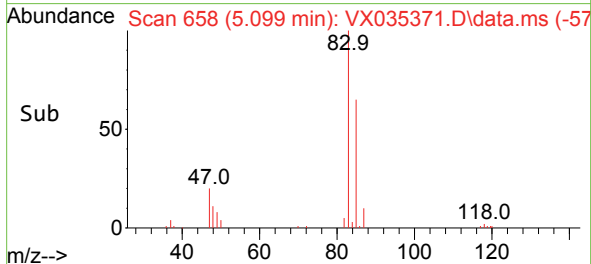
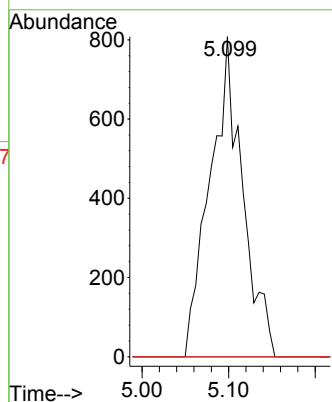
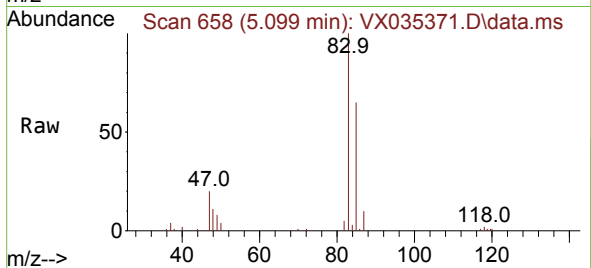




#28
Bromochloromethane
Concen: 1.105 ug/l
RT: 5.099 min Scan# 618
Delta R.T. 0.202 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

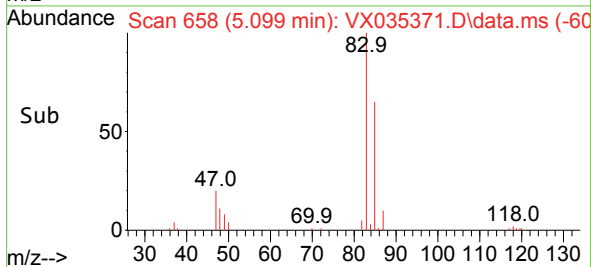
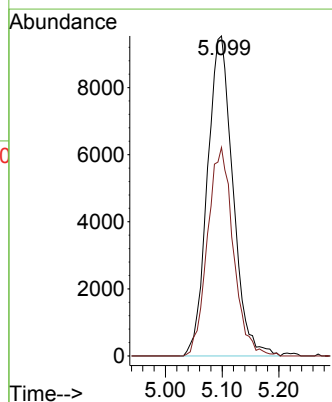
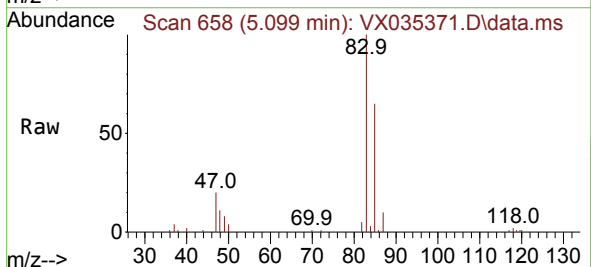
Instrument :
MSVOA_X
ClientSampleId :
MW-15

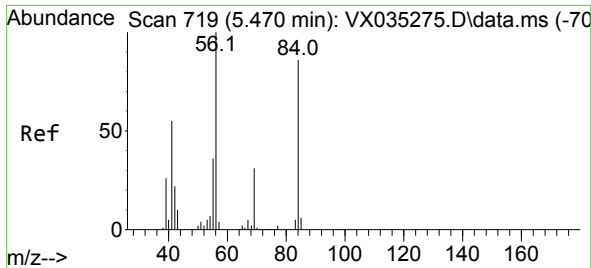
Tgt Ion: 49 Resp: 2108
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



#30
Chloroform
Concen: 6.590 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.007 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion: 83 Resp: 29791
Ion Ratio Lower Upper
83 100
85 65.1 50.6 76.0

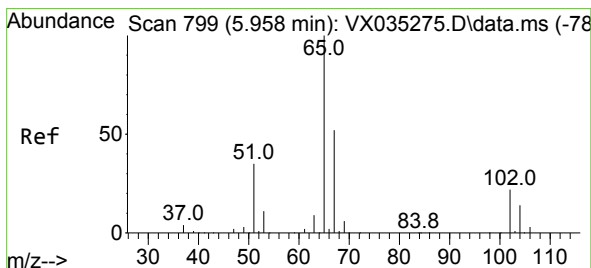
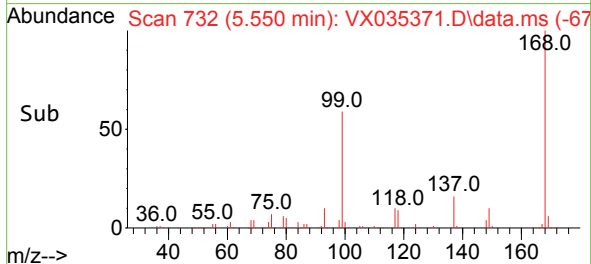
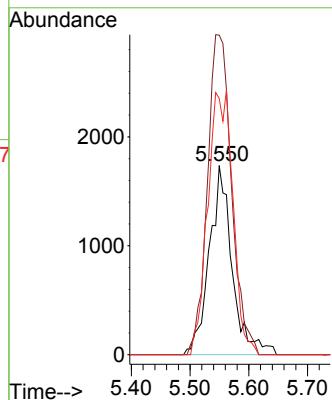
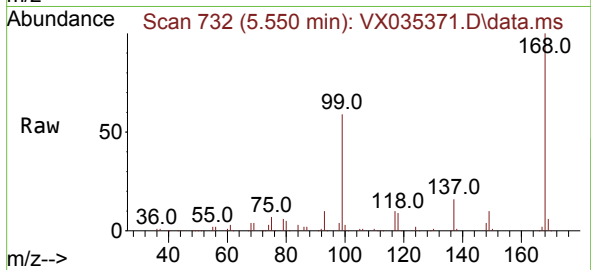




#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

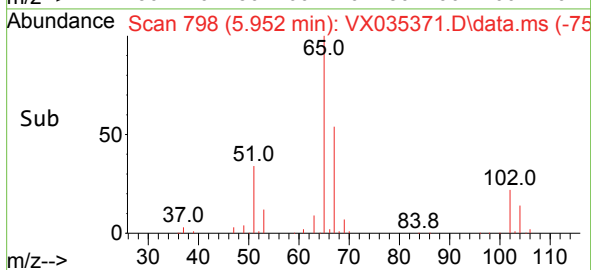
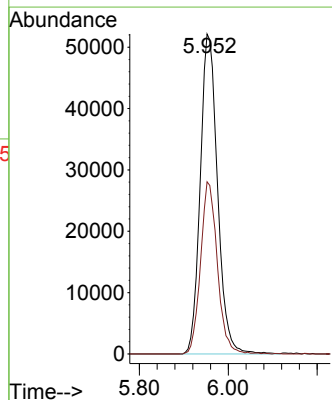
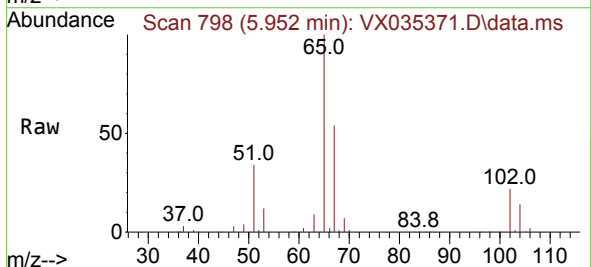
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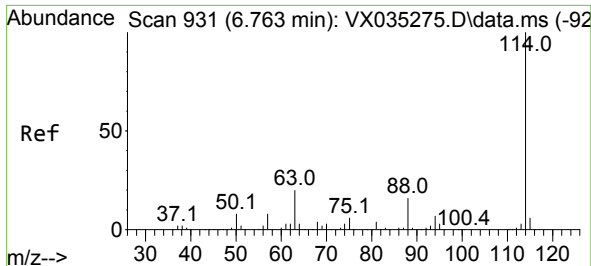
Tgt Ion: 56 Resp: 4675
Ion Ratio Lower Upper
56 100
69 169.0 23.7 35.5#
84 135.5 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 49.827 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion: 65 Resp: 141301
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0

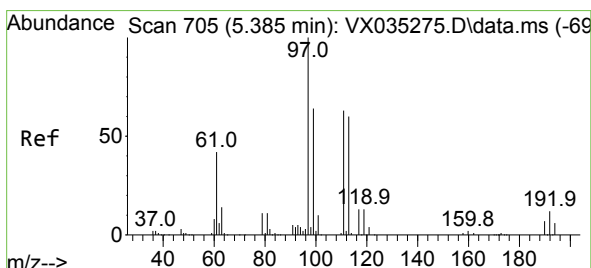
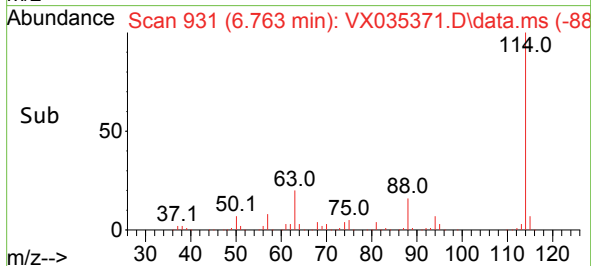
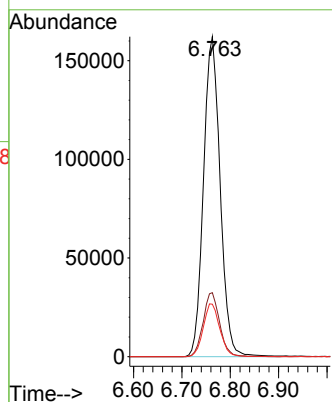
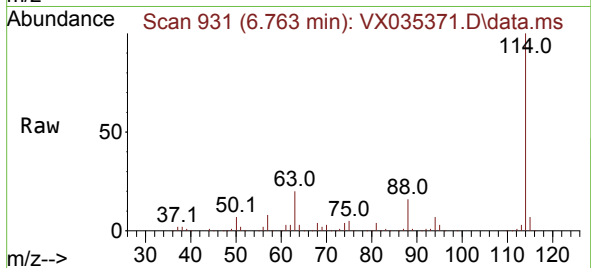




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

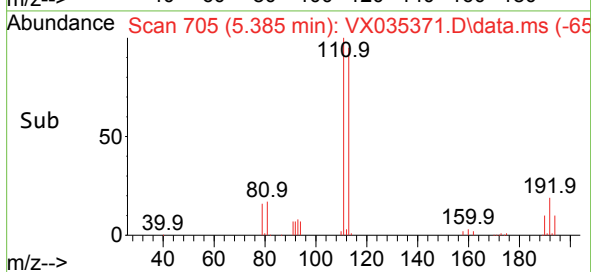
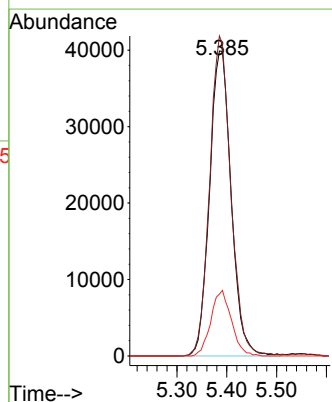
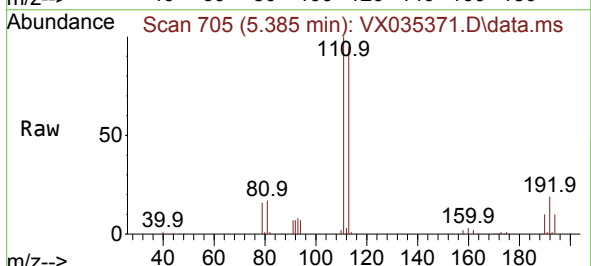
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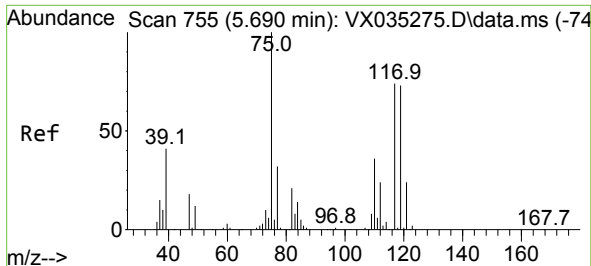
Tgt Ion:114 Resp: 388063
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.405 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion:113 Resp: 120056
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 20.5 15.4 23.2

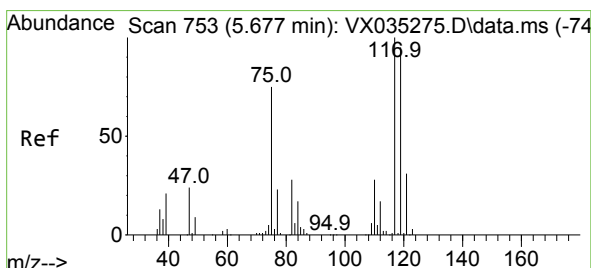
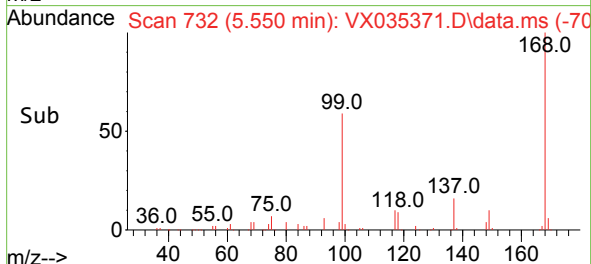
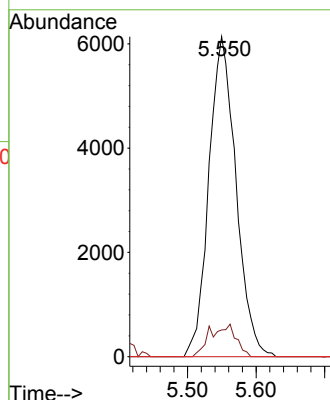
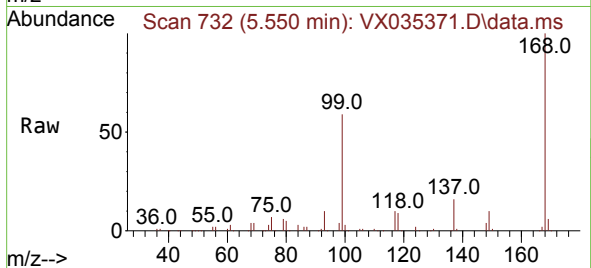




#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

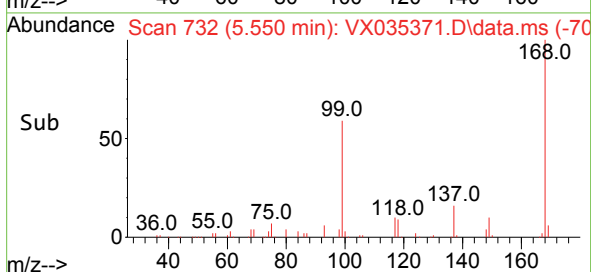
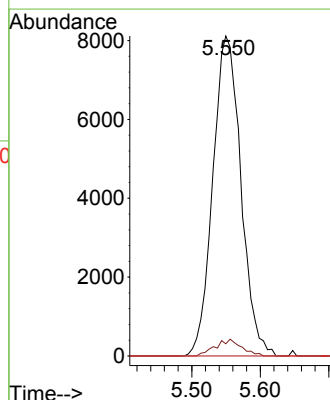
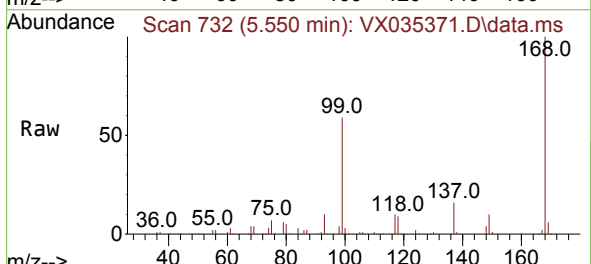
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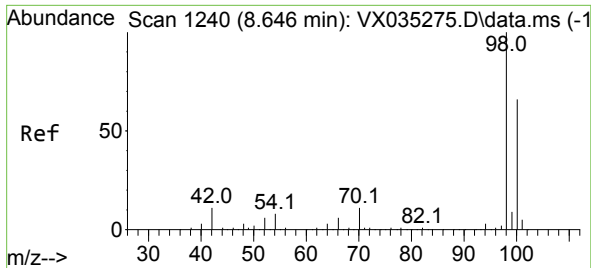
Tgt Ion: 75 Resp: 16852
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.537 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion: 117 Resp: 23079
Ion Ratio Lower Upper
117 100
119 3.8 76.6 114.8#
121 0.0 23.8 35.6#

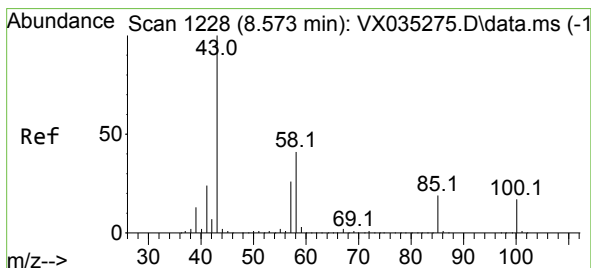
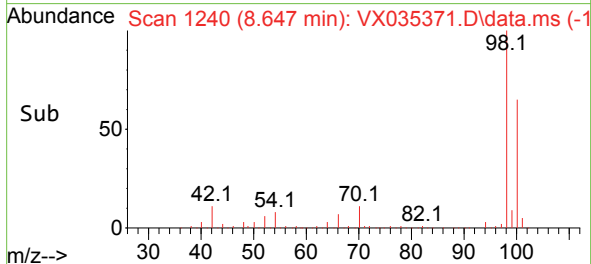
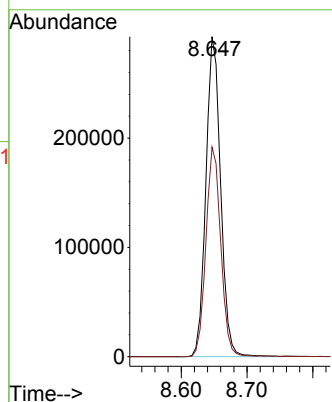
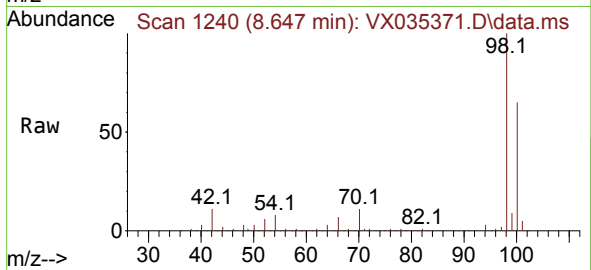




#50
Toluene-d8
Concen: 50.678 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

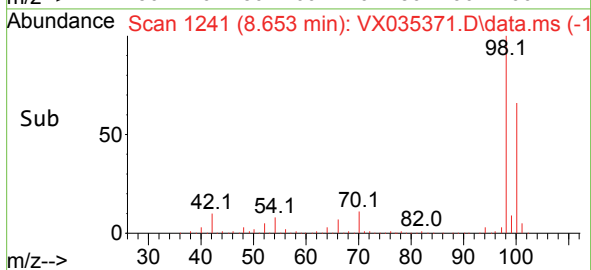
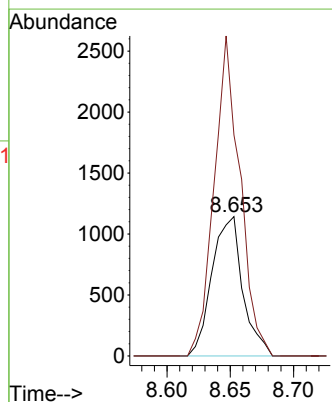
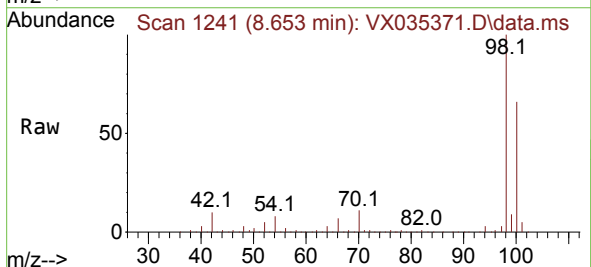
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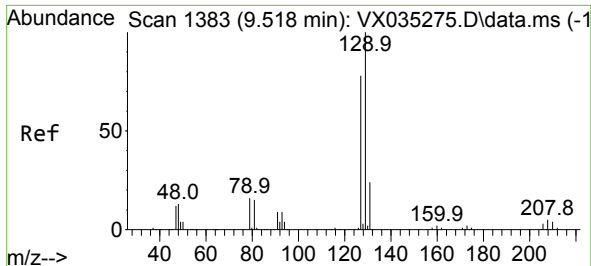
Tgt Ion: 98 Resp: 455345
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.550 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion: 43 Resp: 1930
Ion Ratio Lower Upper
43 100
58 193.8 30.6 46.0#

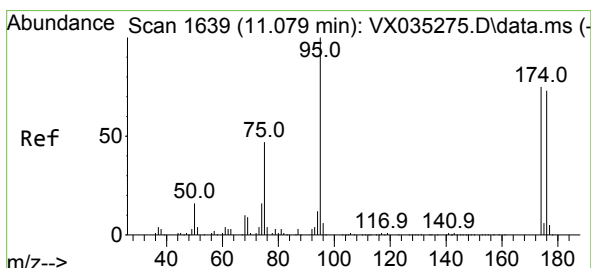
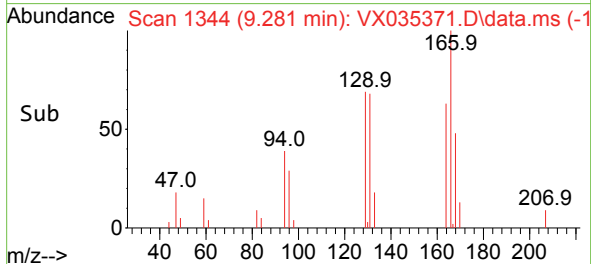
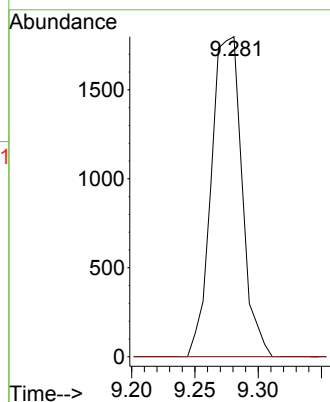
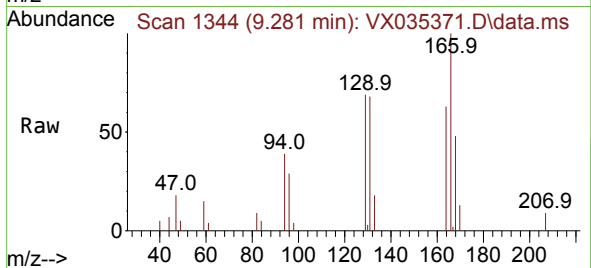




#60
Dibromochloromethane
Concen: 1.174 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.237 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

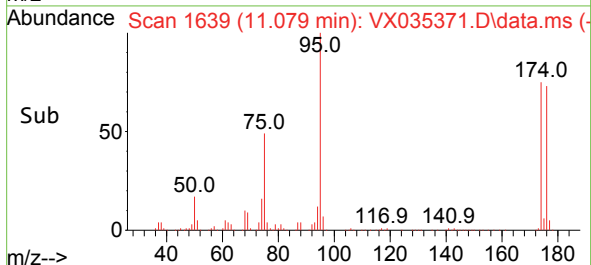
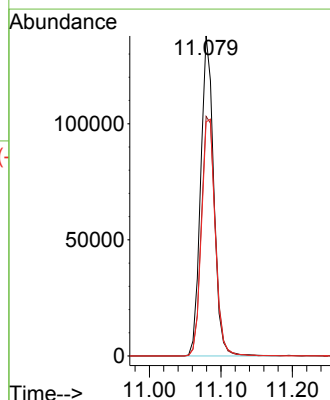
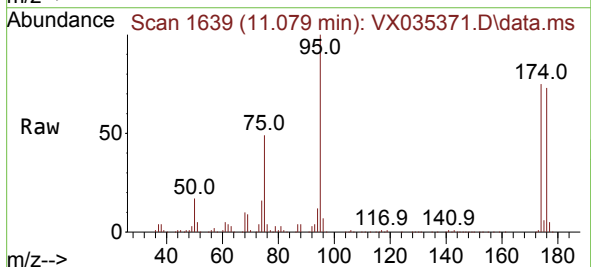
Instrument :
MSVOA_X
ClientSampleId :
MW-15

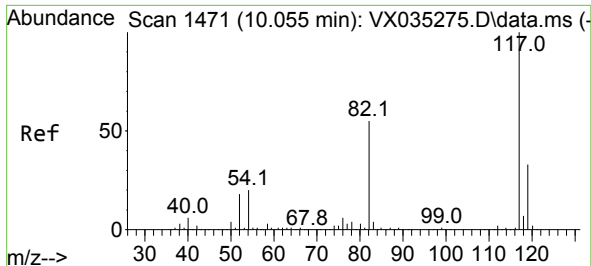
Tgt Ion:129 Resp: 3032
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 51.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion: 95 Resp: 174721
Ion Ratio Lower Upper
95 100
174 79.9 0.0 147.4
176 78.1 0.0 140.6

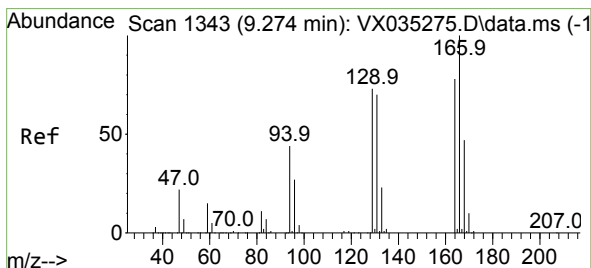
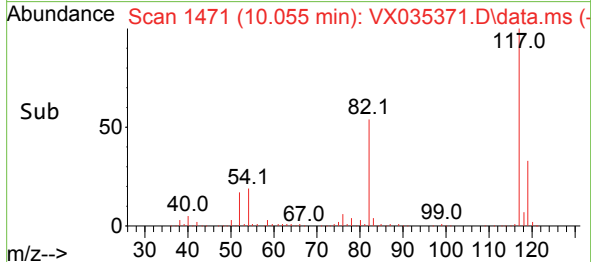
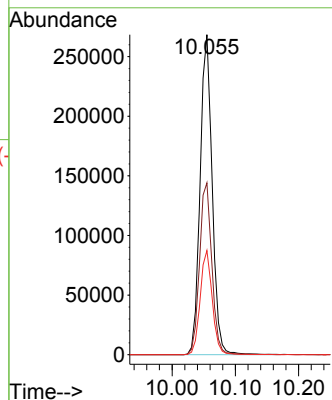
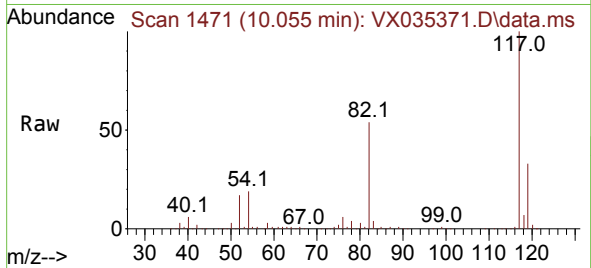




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

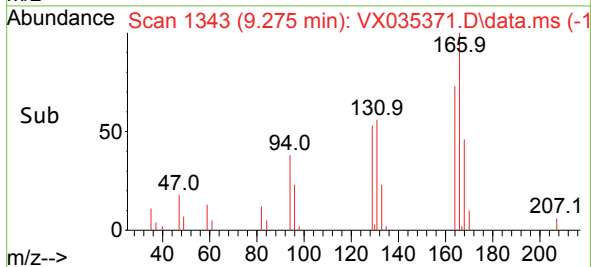
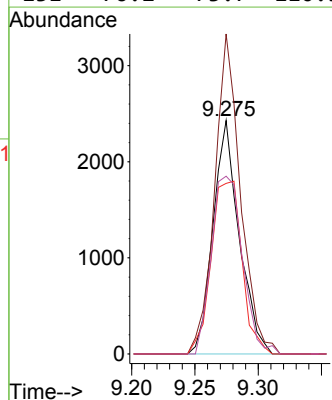
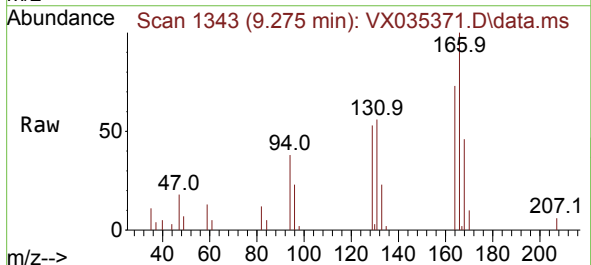
Instrument :
MSVOA_X
ClientSampleId :
MW-15

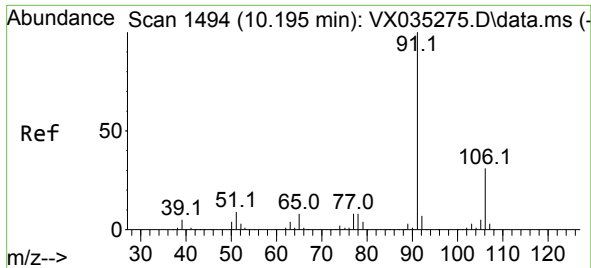
Tgt Ion:117 Resp: 356831
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.4
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 1.279 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion:164 Resp: 3495
Ion Ratio Lower Upper
164 100
166 137.1 102.7 154.1
129 73.1 75.6 113.4#
131 76.2 73.7 110.5

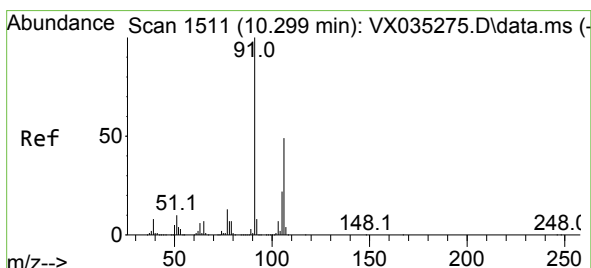
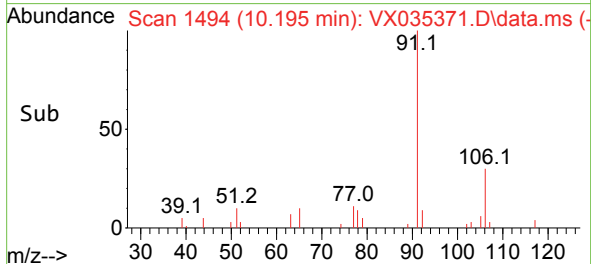
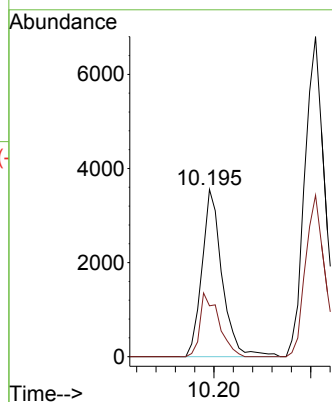
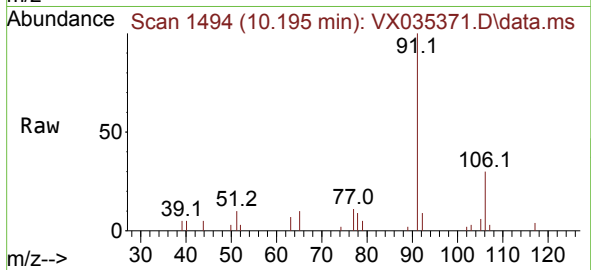




#67
Ethyl Benzene
Concen: 0.386 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

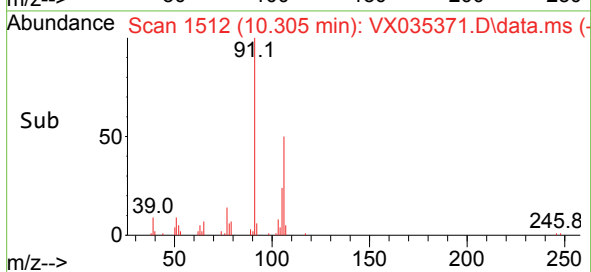
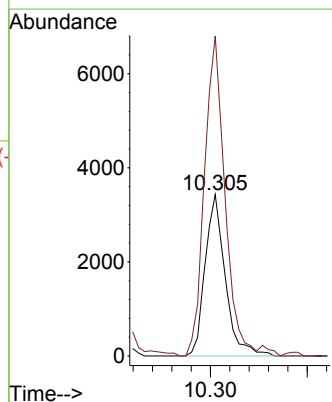
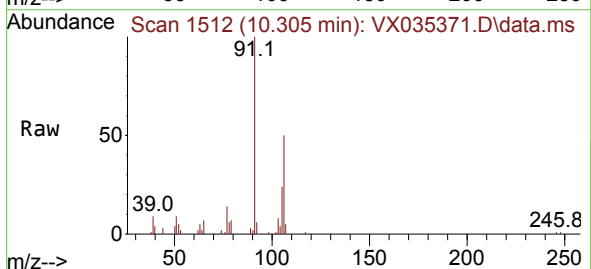
Instrument :
MSVOA_X
ClientSampleId :
MW-15

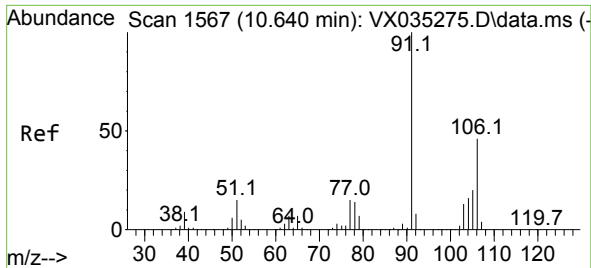
Tgt Ion: 91 Resp: 5165
Ion Ratio Lower Upper
91 100
106 30.4 25.6 38.4



#68
m/p-Xylenes
Concen: 0.970 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion: 106 Resp: 4971
Ion Ratio Lower Upper
106 100
91 200.8 164.0 246.0

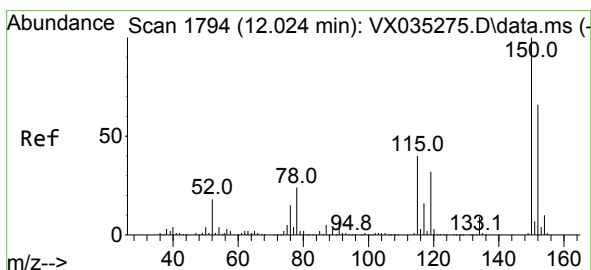
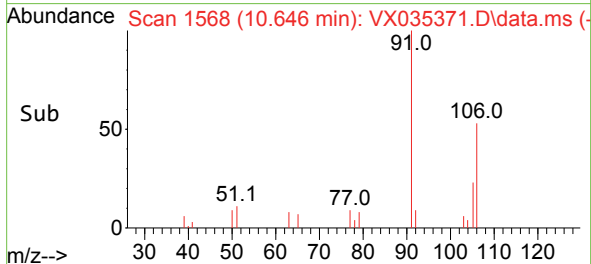
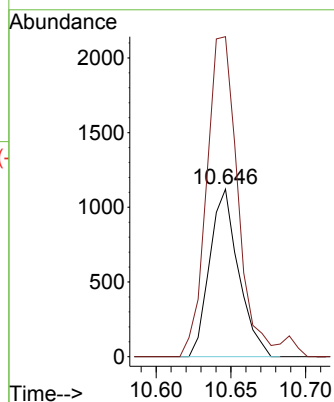
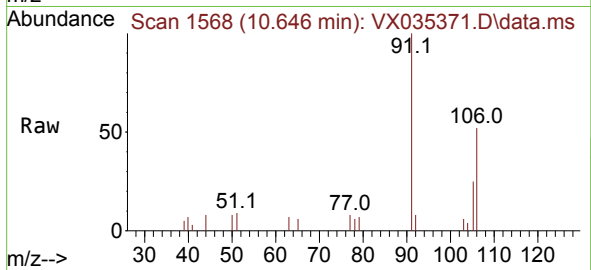




#69
o-Xylene
Concen: 0.300 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

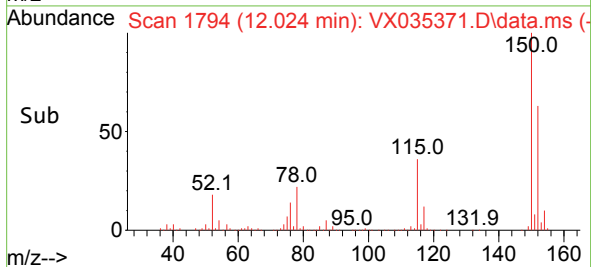
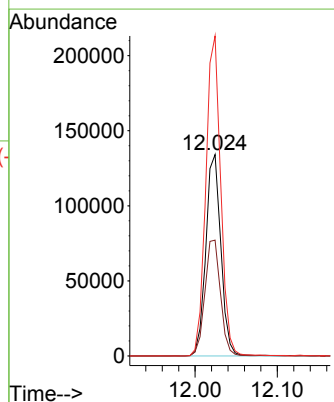
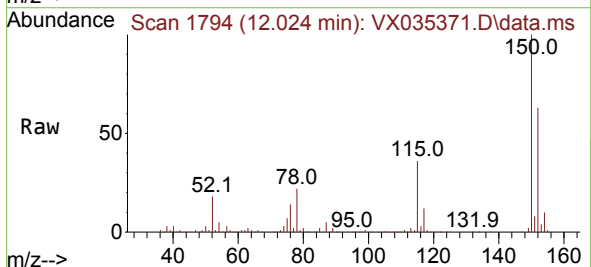
Instrument :
MSVOA_X
ClientSampleId :
MW-15

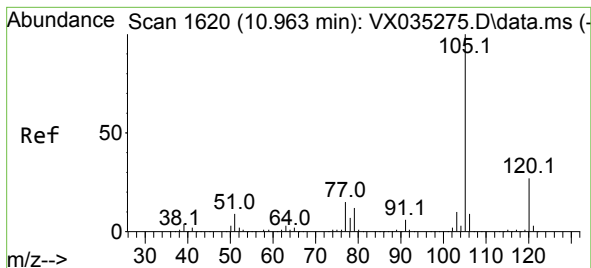
Tgt Ion:106 Resp: 1507
Ion Ratio Lower Upper
106 100
91 211.9 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion:152 Resp: 170657
Ion Ratio Lower Upper
152 100
115 59.5 45.0 135.0
150 157.3 0.0 352.4





#73

Isopropylbenzene

Concen: 0.233 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX035371.D

Acq: 28 Apr 2023 07:18

Instrument :

MSVOA_X

ClientSampleId :

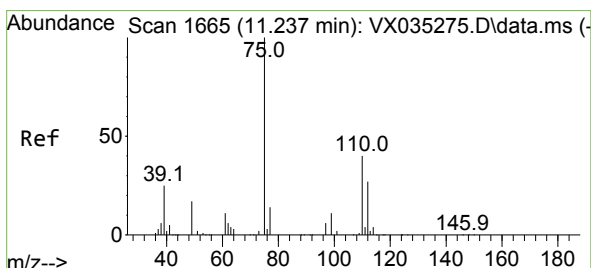
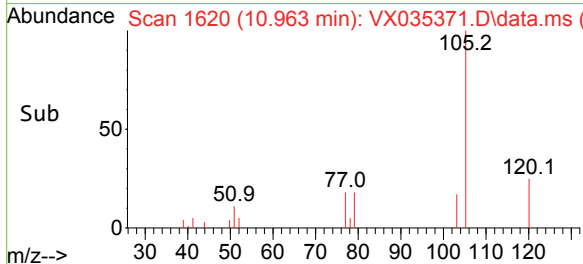
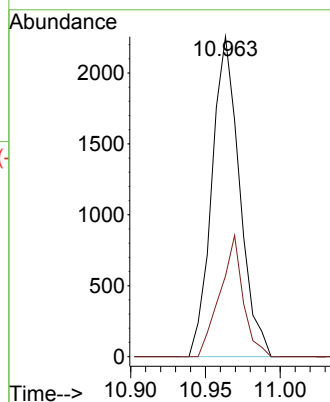
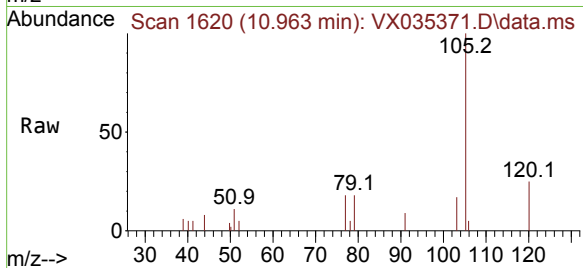
MW-15

Tgt Ion:105 Resp: 2905

Ion Ratio Lower Upper

105 100

120 31.6 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 25.151 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035371.D

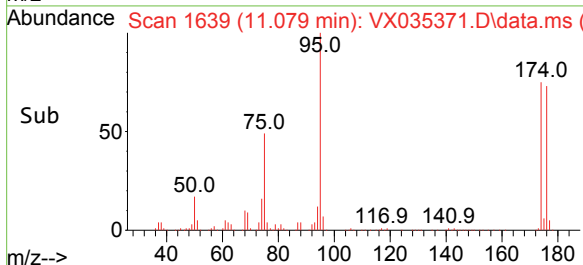
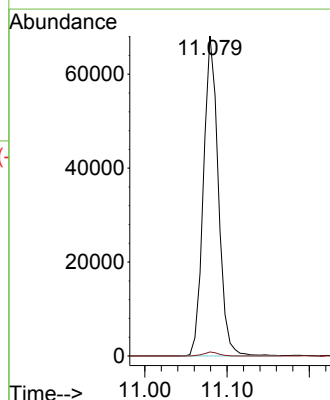
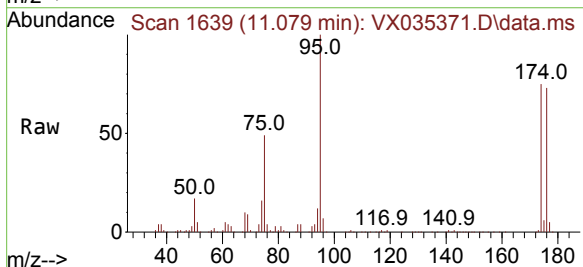
Acq: 28 Apr 2023 07:18

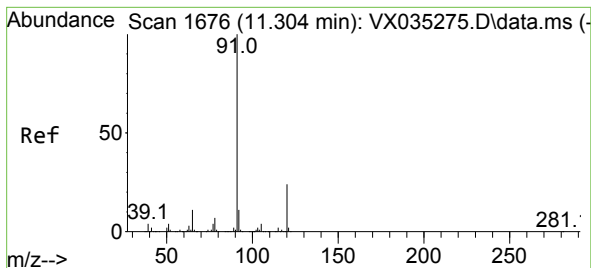
Tgt Ion: 75 Resp: 85619

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#





#78

n-propylbenzene

Concen: 0.264 ug/l

RT: 11.311 min Scan# 1

Delta R.T. 0.007 min

Lab File: VX035371.D

Acq: 28 Apr 2023 07:18

Instrument :

MSVOA_X

ClientSampleId :

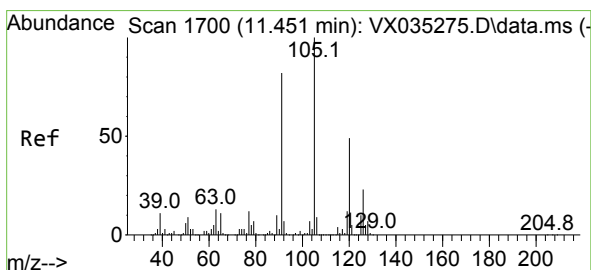
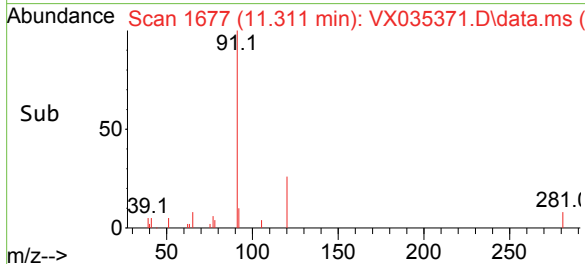
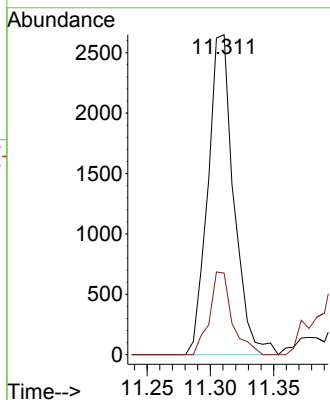
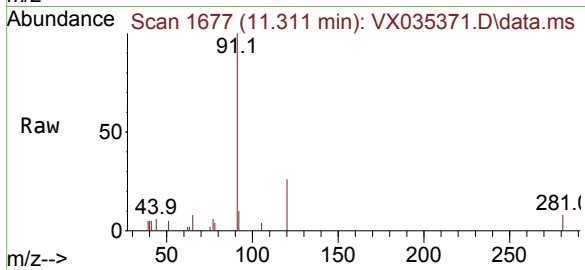
MW-15

Tgt Ion: 91 Resp: 3780

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 0.218 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035371.D

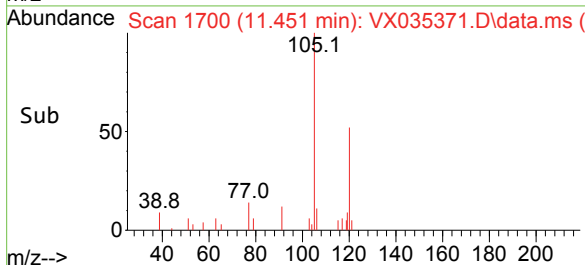
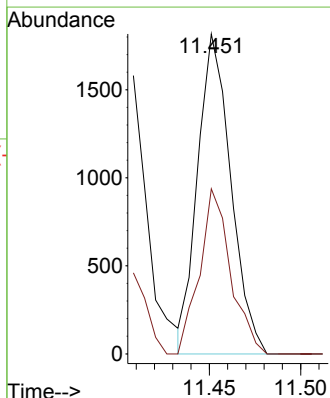
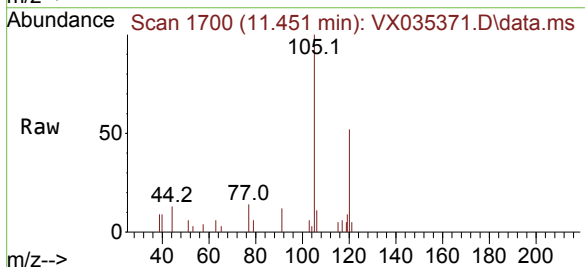
Acq: 28 Apr 2023 07:18

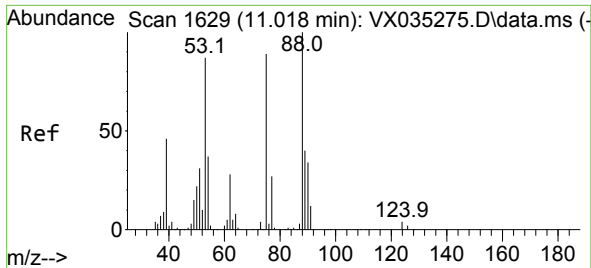
Tgt Ion: 105 Resp: 2291

Ion Ratio Lower Upper

105 100

120 48.4 23.7 71.1

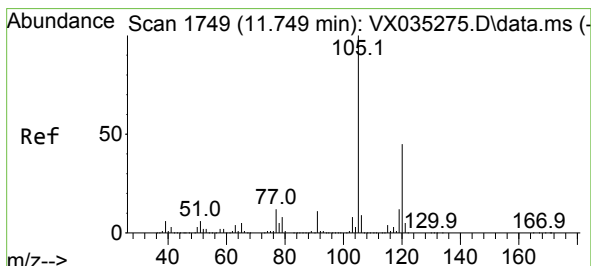
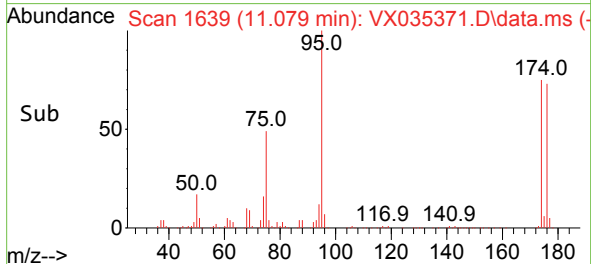
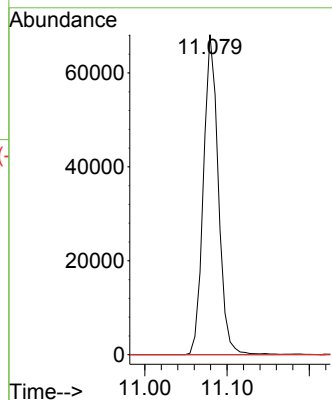
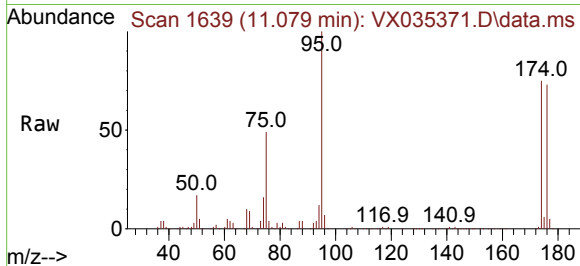




#81
trans-1,4-Dichloro-2-butene
Concen: 81.459 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

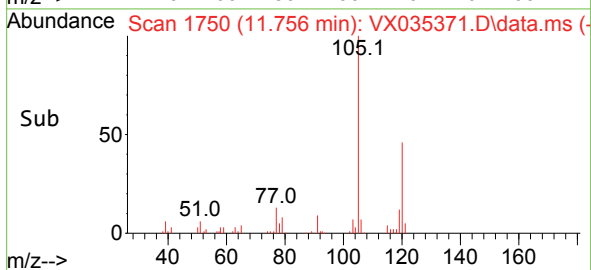
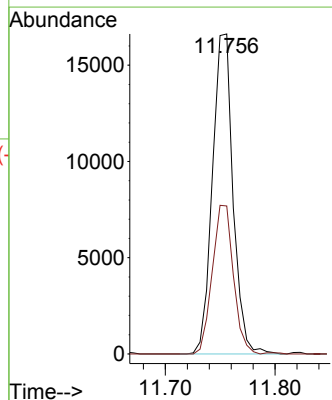
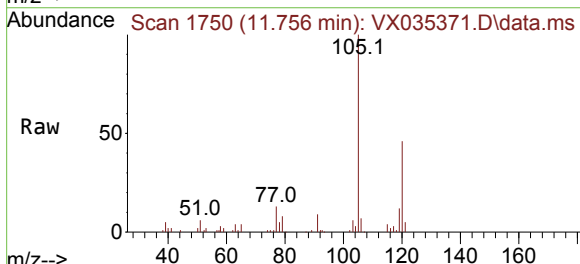
Instrument :
MSVOA_X
ClientSampleId :
MW-15

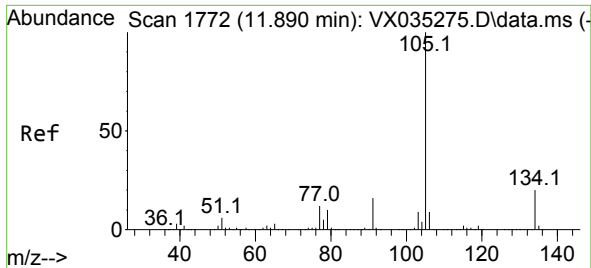
Tgt Ion: 75 Resp: 85619
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 2.056 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VX035371.D
Acq: 28 Apr 2023 07:18

Tgt Ion: 105 Resp: 21729
Ion Ratio Lower Upper
105 100
120 47.6 22.4 67.0

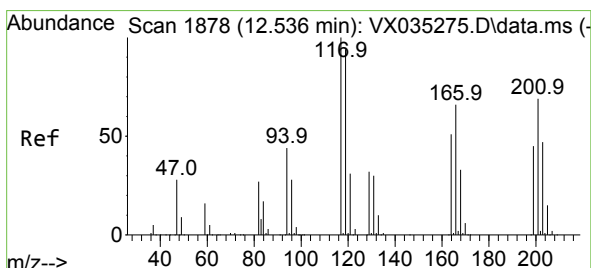
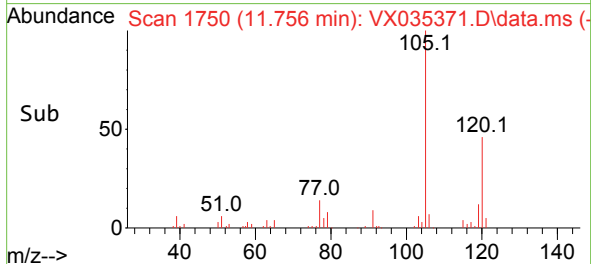
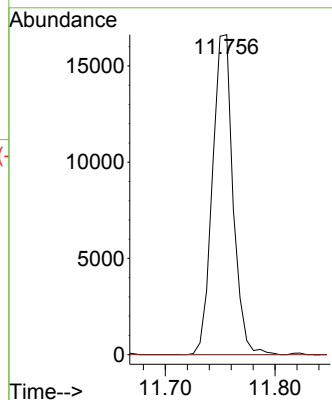
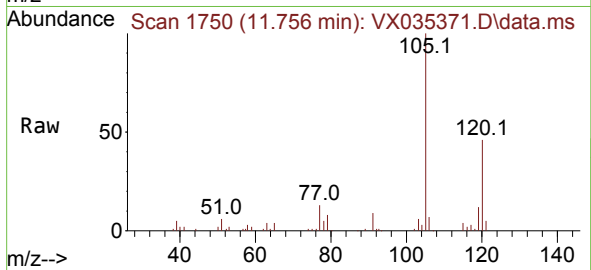




#85
 sec-Butylbenzene
 Concen: 1.678 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX035371.D
 Acq: 28 Apr 2023 07:18

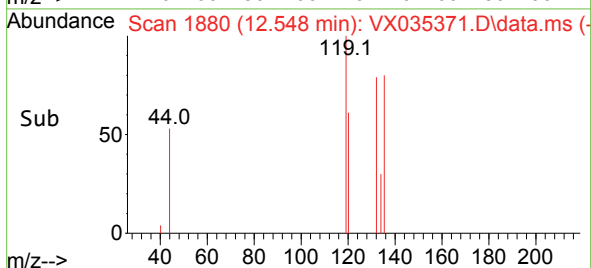
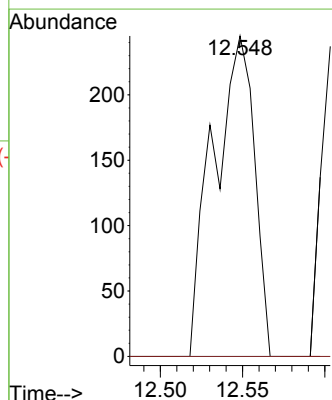
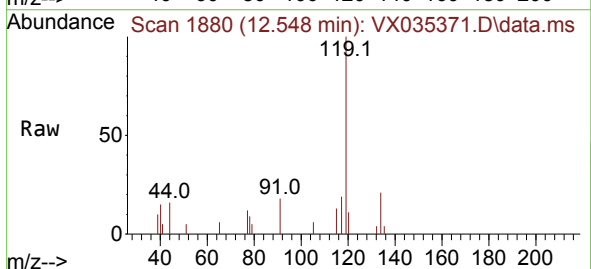
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15

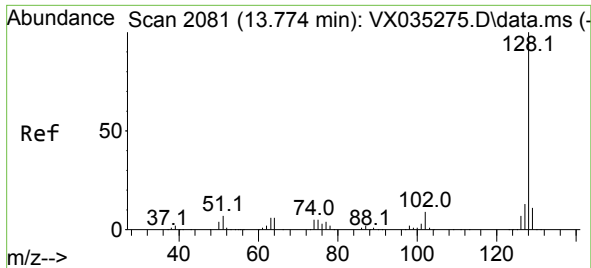
Tgt Ion:105 Resp: 21729
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#90
 Hexachloroethane
 Concen: 0.253 ug/l
 RT: 12.548 min Scan# 1880
 Delta R.T. 0.012 min
 Lab File: VX035371.D
 Acq: 28 Apr 2023 07:18

Tgt Ion:117 Resp: 427
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.4 103.1#





#95

Naphthalene

Concen: 13.126 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX035371.D

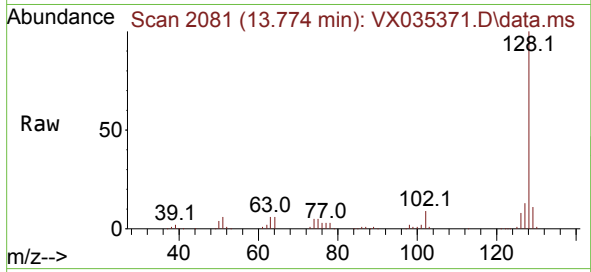
Acq: 28 Apr 2023 07:18

Instrument :

MSVOA_X

ClientSampleId :

MW-15



Tgt Ion:128 Resp: 149708

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 11.0 8.6 13.0

