

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100722\
 Data File : VN074814.D
 Acq On : 07 Oct 2022 16:19
 Operator : JC\MD
 Sample : N4894-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Oct 08 03:53:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

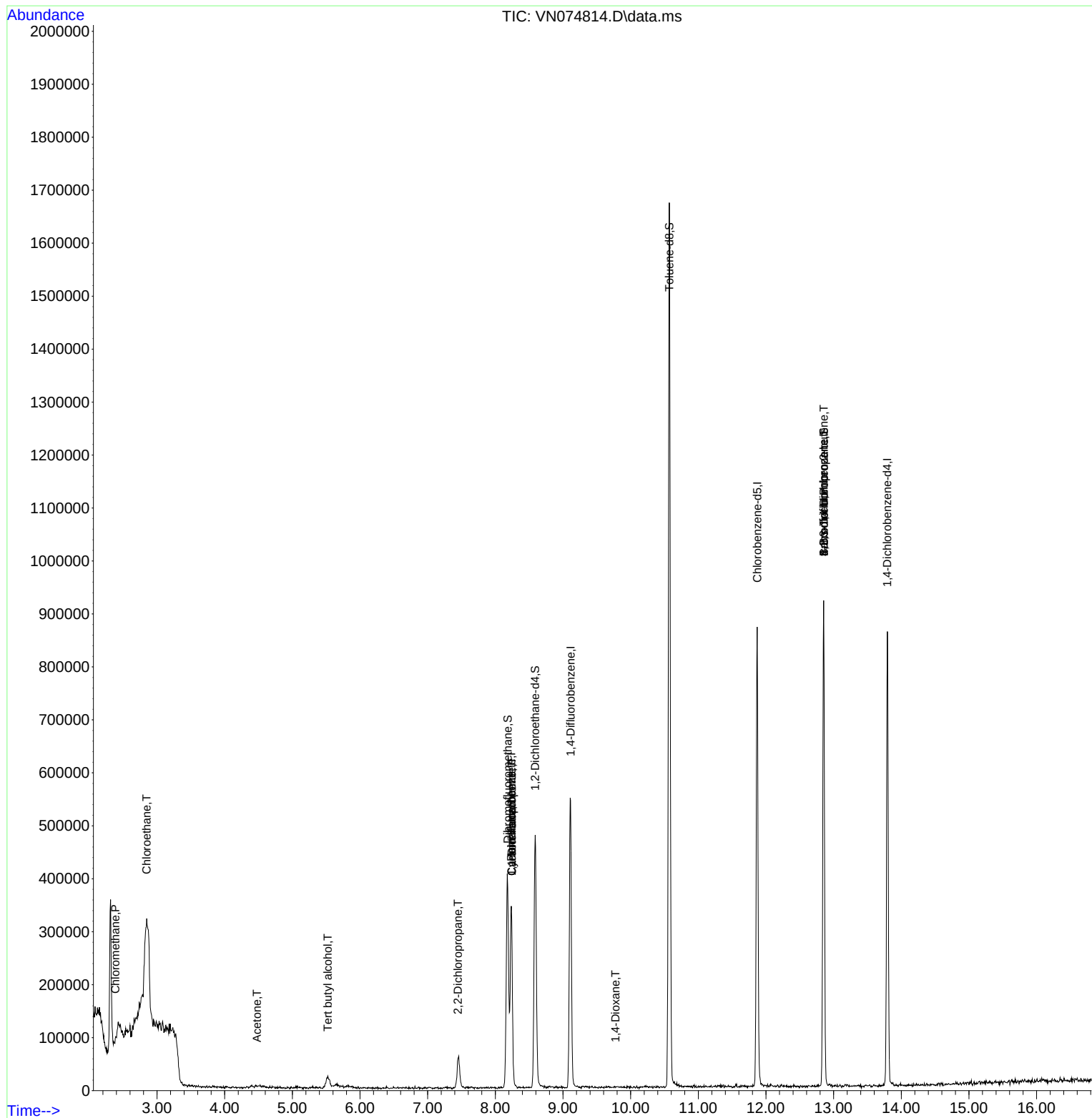
Internal Standards						
1) Pentafluorobenzene	8.235	168	243290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	469562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	478315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	373471	64.788	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 129.580%#		
35) Dibromofluoromethane	8.183	113	284203	59.905	ug/l	0.01
Spiked Amount	50.000	Range 75 - 124	Recovery	= 119.800%		
50) Toluene-d8	10.571	98	1126959	55.360	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 110.720%		
62) 4-Bromofluorobenzene	12.853	95	285349	46.112	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 92.220%		
Target Compounds						
						Qvalue
3) Chloromethane	2.383	50	2335	0.315	ug/l #	68
6) Chloroethane	2.848	64	276672	40.703	ug/l #	50
11) Tert butyl alcohol	5.524	59	17384	9.004	ug/l #	82
13) Acrolein	4.212	56	135	Below Cal		97
16) Acetone	4.477	43	1608	0.492	ug/l #	81
20) Methylene Chloride	5.300	84	771	Below Cal	#	51
26) 2,2-Dichloropropane	7.447	77	4187	0.478	ug/l #	52
31) Cyclohexane	8.241	56	7780	0.781	ug/l #	70
36) 1,1-Dichloropropene	8.241	75	23536	3.065	ug/l #	45
38) Carbon Tetrachloride	8.241	117	26180	3.615	ug/l #	20
49) 1,4-Dioxane	9.777	88	79	0.466	ug/l #	1
71) Bromoform	12.853	173	3019	0.740	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.970	83	70	Below Cal	#	29
76) 1,2,3-Trichloropropane	12.853	75	164019	25.022	ug/l #	1
77) Bromobenzene	12.847	156	96	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	164019	48.751	ug/l #	14

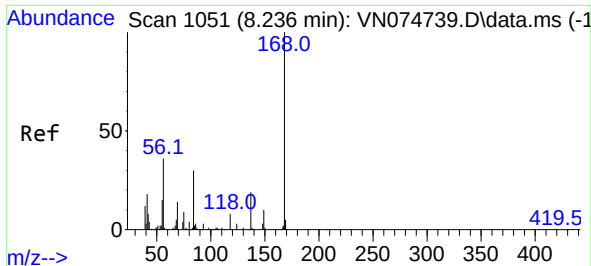
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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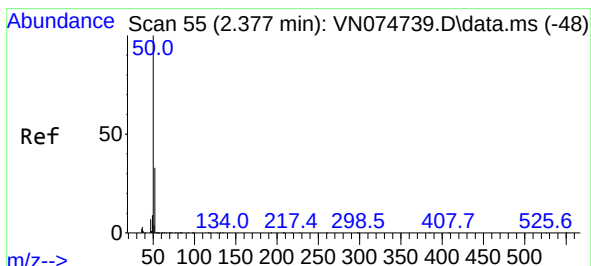
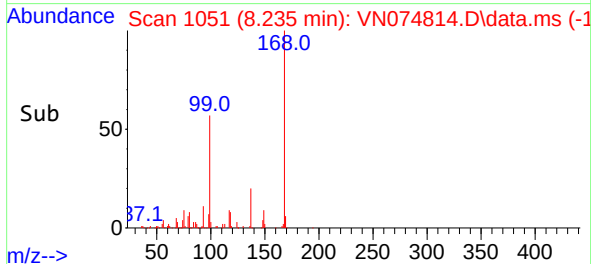
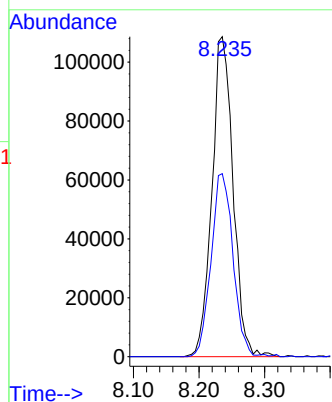
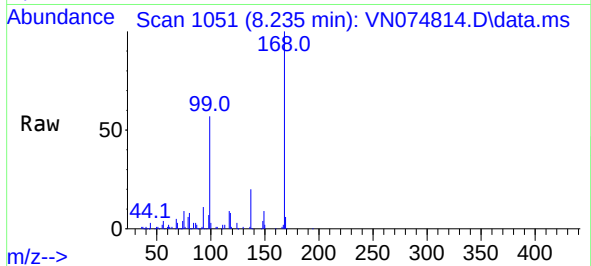




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

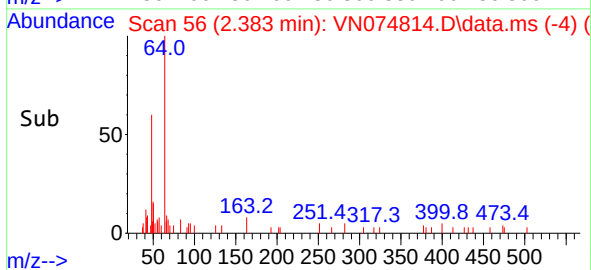
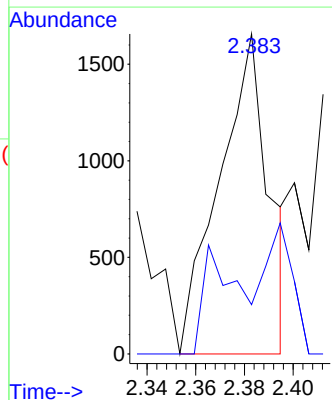
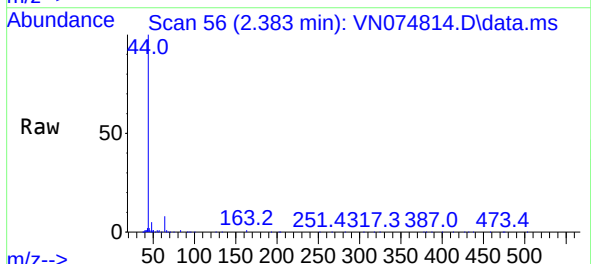
Instrument :
MSVOA_N
ClientSampleId :
MW-1

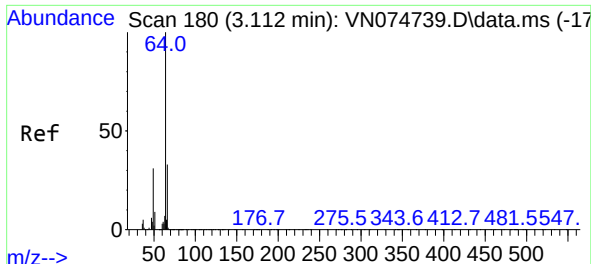
Tgt Ion:168 Resp: 243290
Ion Ratio Lower Upper
168 100
99 57.2 42.8 64.2



#3
Chloromethane
Concen: 0.315 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion: 50 Resp: 2335
Ion Ratio Lower Upper
50 100
52 15.4 26.7 40.1#

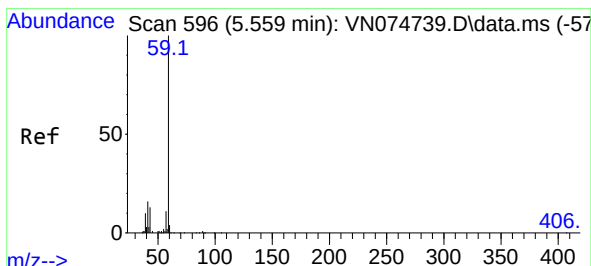
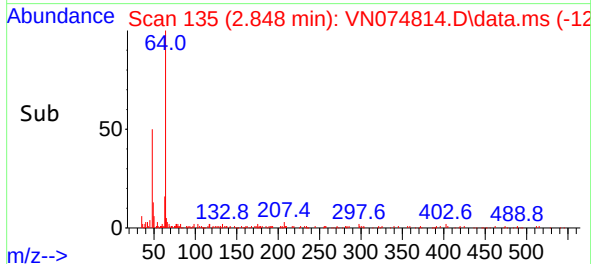
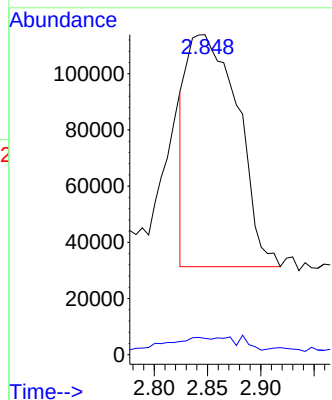
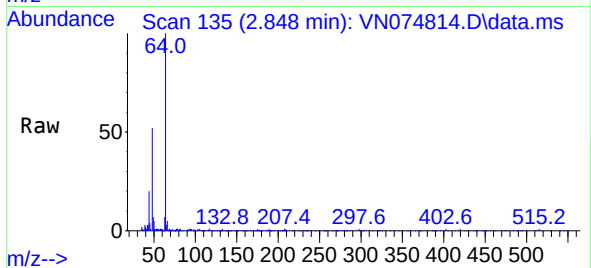




#6
Chloroethane
Concen: 40.703 ug/l
RT: 2.848 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

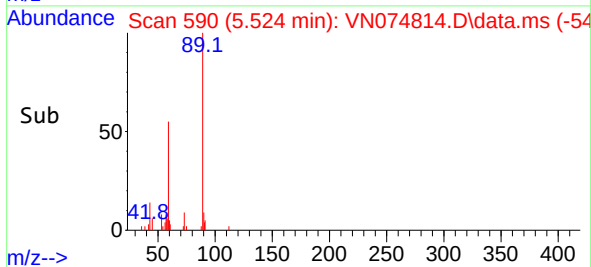
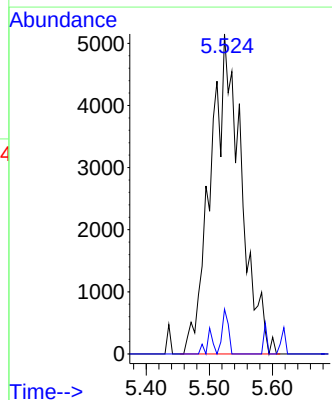
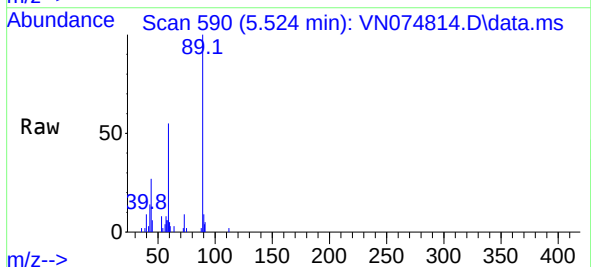
Instrument :
MSVOA_N
ClientSampleId :
MW-1

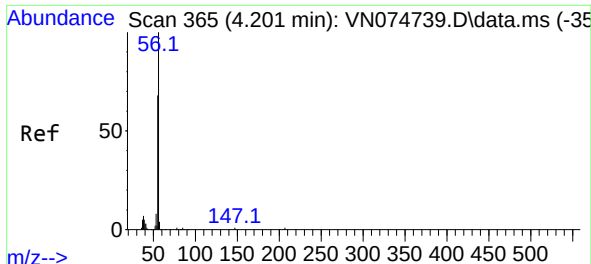
Tgt Ion: 64 Resp: 276672
Ion Ratio Lower Upper
64 100
66 4.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 9.004 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.035 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion: 59 Resp: 17384
Ion Ratio Lower Upper
59 100
57 2.8 7.7 11.5#

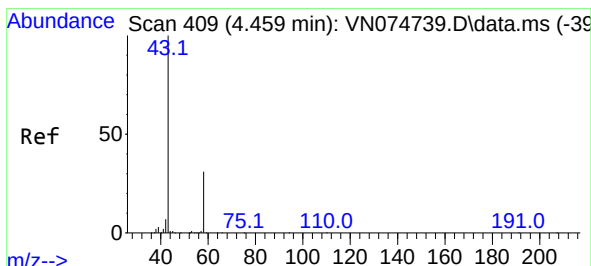
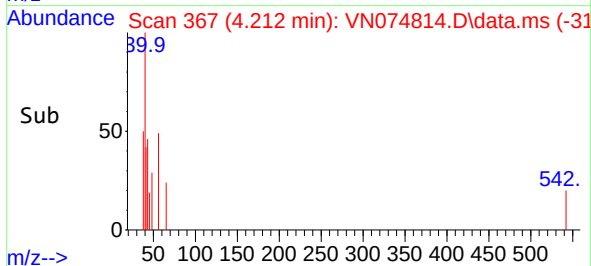
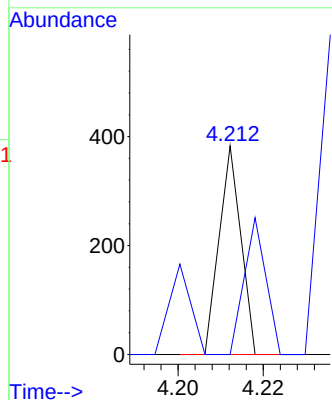
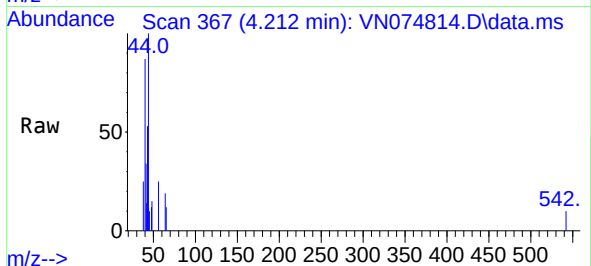




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 30
Delta R.T. 0.011 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

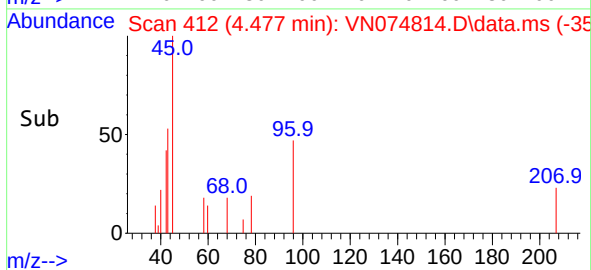
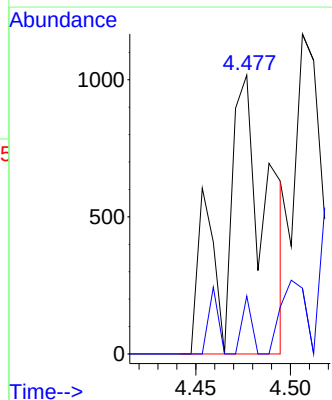
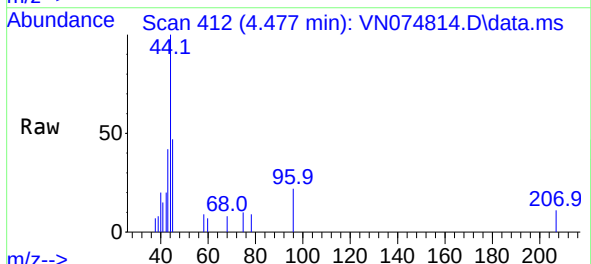
Instrument :
MSVOA_N
ClientSampleId :
MW-1

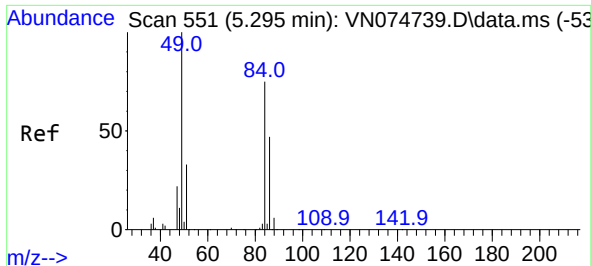
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 65.9 54.9 82.3



#16
Acetone
Concen: 0.492 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.018 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
58 20.7 24.9 37.3#

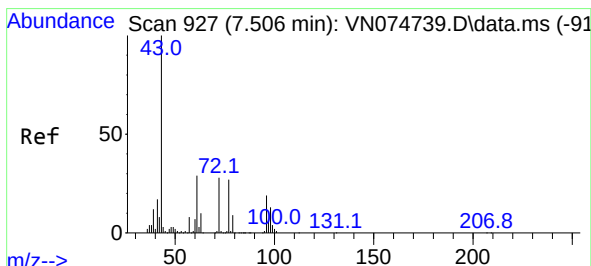
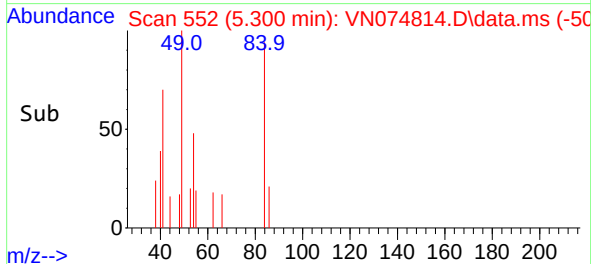
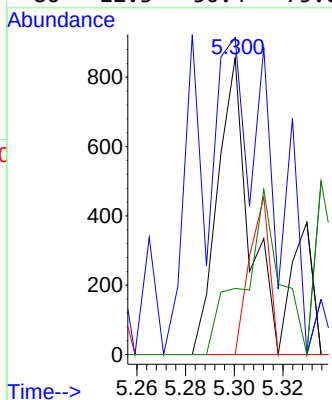
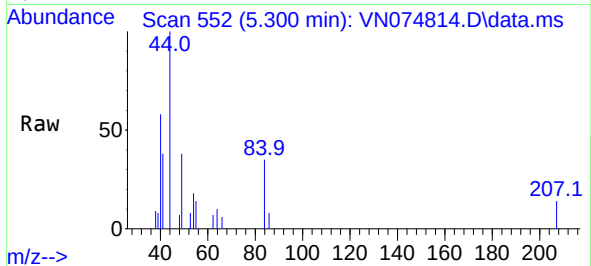




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

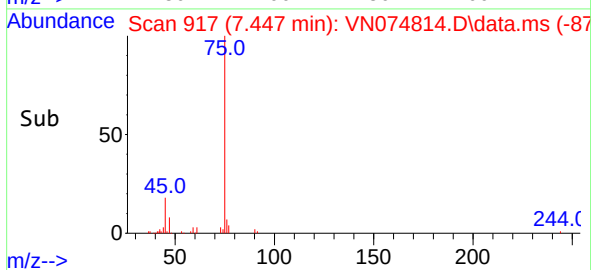
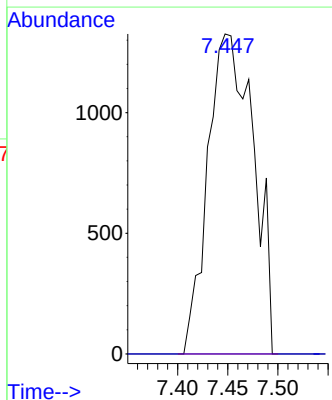
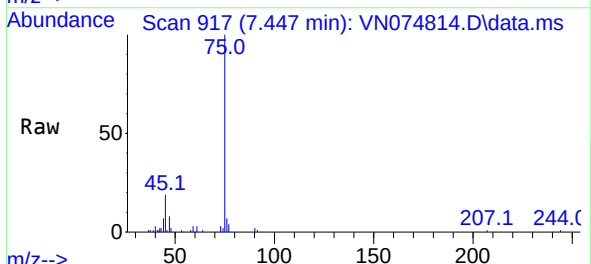
Instrument :
MSVOA_N
ClientSampleId :
MW-1

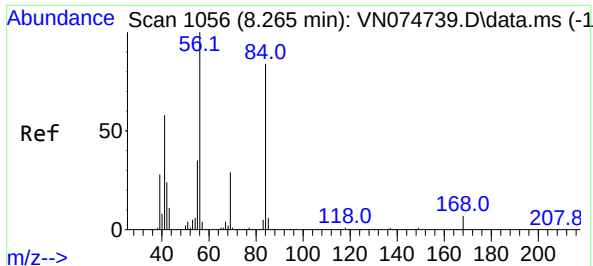
Tgt Ion: 84 Resp: 771
Ion Ratio Lower Upper
84 100
49 84.8 107.4 161.0#
51 0.0 35.1 52.7#
86 22.3 50.4 75.6#



#26
2,2-Dichloropropane
Concen: 0.478 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.059 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion: 77 Resp: 4187
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#





#31

Cyclohexane

Concen: 0.781 ug/l

RT: 8.241 min Scan# 11052

Delta R.T. -0.024 min

Lab File: VN074814.D

Acq: 07 Oct 2022 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW-1

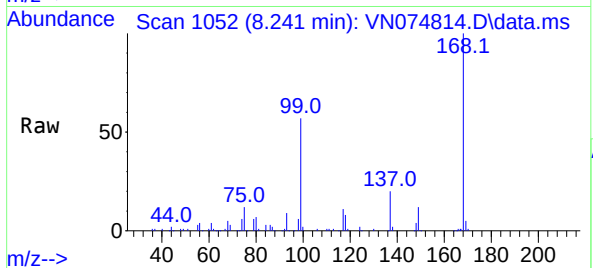
Tgt Ion: 56 Resp: 7780

Ion Ratio Lower Upper

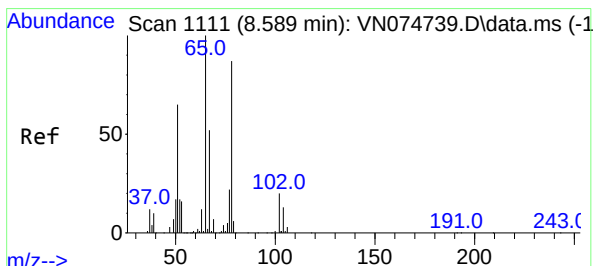
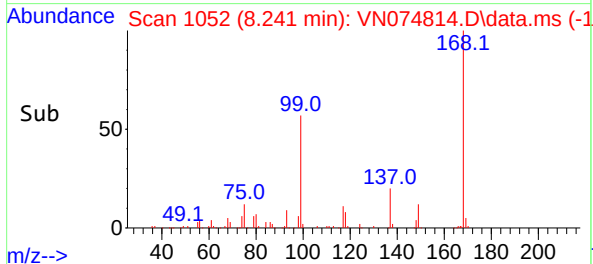
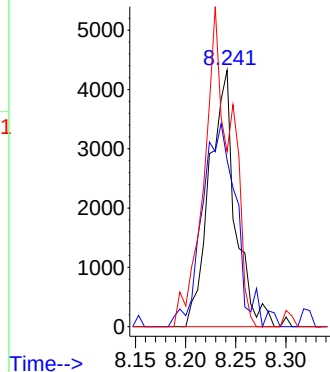
56 100

69 65.1 23.1 34.7#

84 68.3 67.1 100.7



Abundance



#33

1,2-Dichloroethane-d4

Concen: 64.788 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074814.D

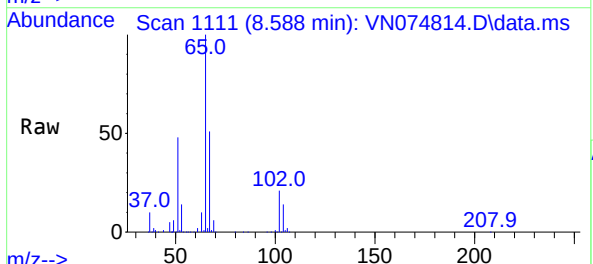
Acq: 07 Oct 2022 16:19

Tgt Ion: 65 Resp: 373471

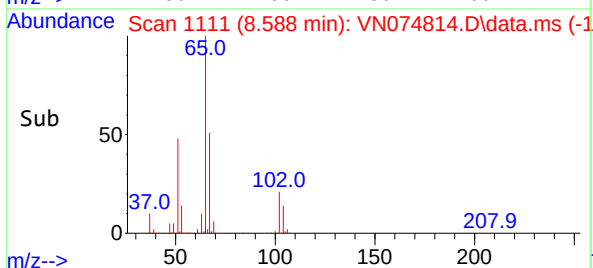
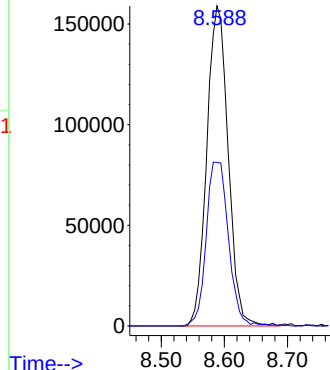
Ion Ratio Lower Upper

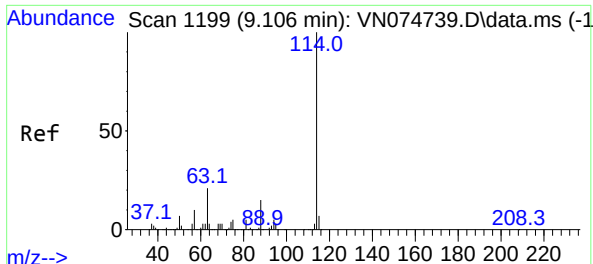
65 100

67 53.5 0.0 109.0



Abundance





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074814.D

Acq: 07 Oct 2022 16:19

Instrument :

MSVOA_N

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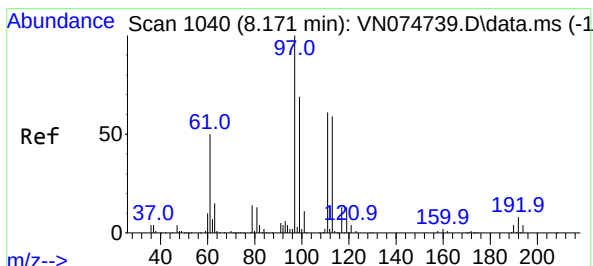
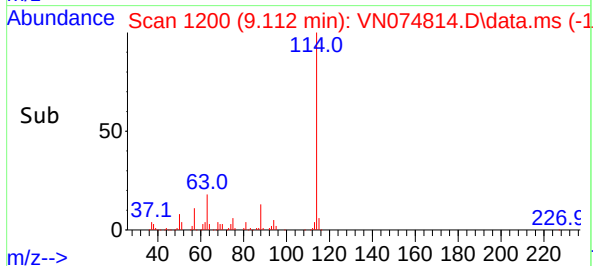
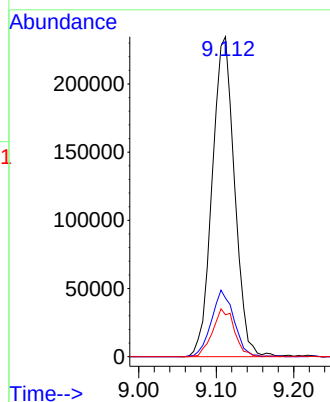
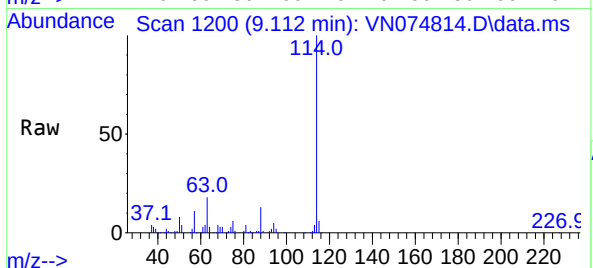
Tgt Ion:114 Resp: 469562

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.2

88 13.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 59.905 ug/l

RT: 8.183 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VN074814.D

Acq: 07 Oct 2022 16:19

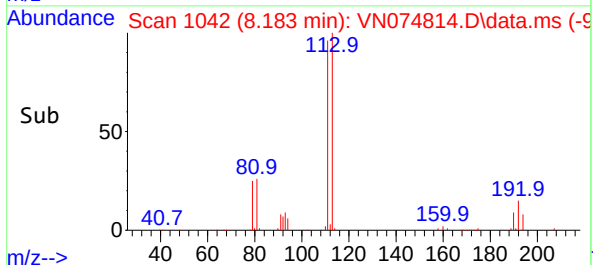
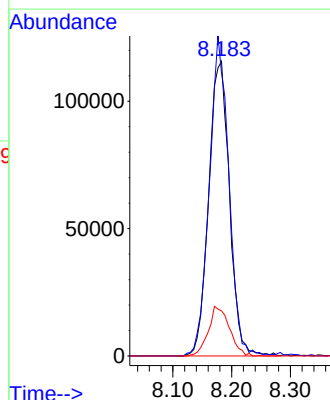
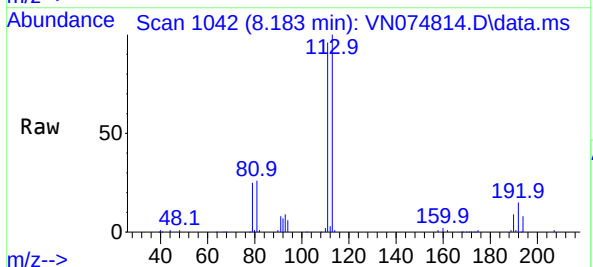
Tgt Ion:113 Resp: 284203

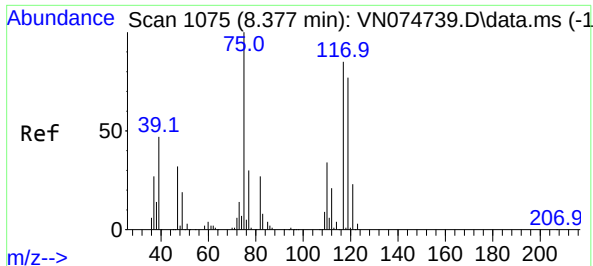
Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

192 17.0 12.6 18.8





#36

1,1-Dichloropropene

Concen: 3.065 ug/l

RT: 8.241 min Scan# 1052

Delta R.T. -0.135 min

Lab File: VN074814.D

Acq: 07 Oct 2022 16:19

Instrument :

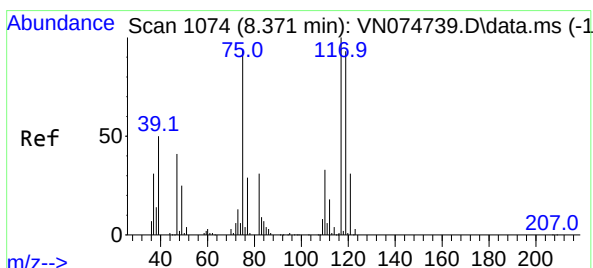
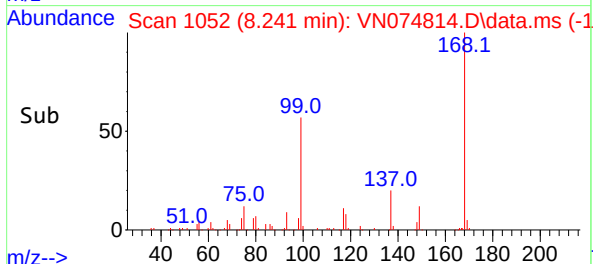
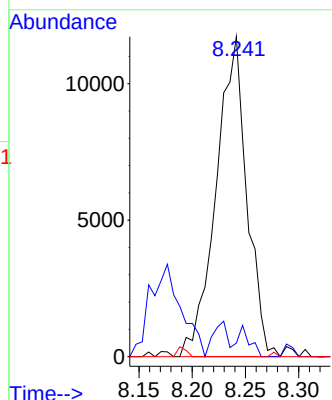
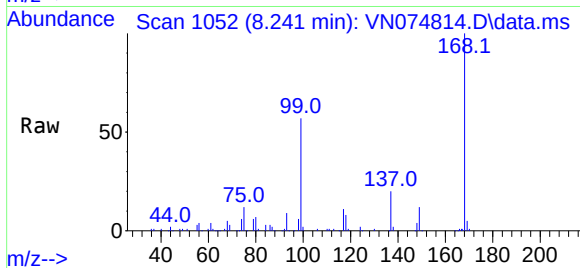
MSVOA_N

ClientSampleId :

MW-1

Tgt Ion: 75 Resp: 23536

Ion	Ratio	Lower	Upper
75	100		
110	3.1	17.2	51.5#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 3.615 ug/l

RT: 8.241 min Scan# 1052

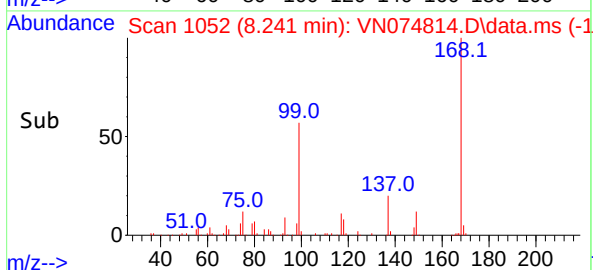
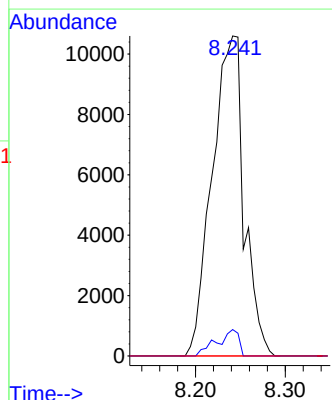
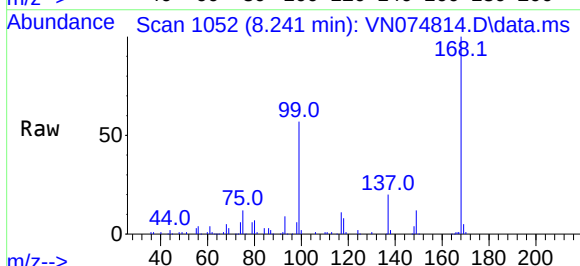
Delta R.T. -0.130 min

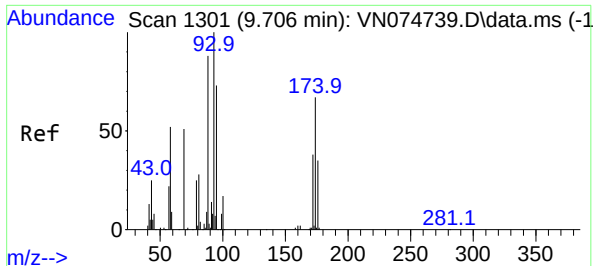
Lab File: VN074814.D

Acq: 07 Oct 2022 16:19

Tgt Ion: 117 Resp: 26180

Ion	Ratio	Lower	Upper
117	100		
119	8.3	74.3	111.5#
121	0.0	25.0	37.4#

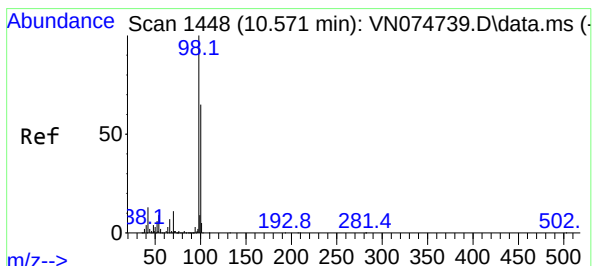
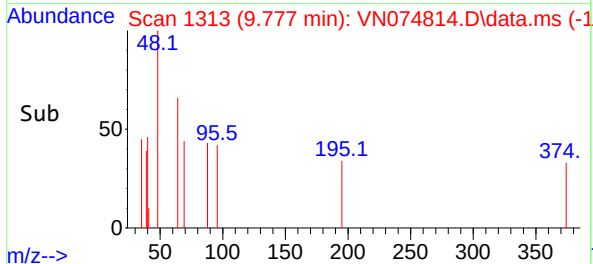
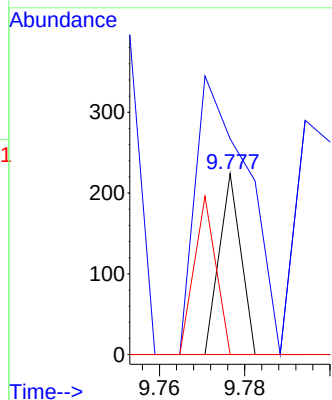
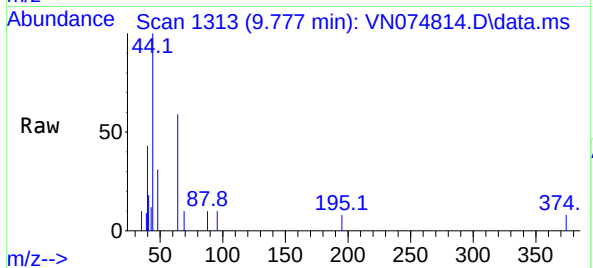




#49
1,4-Dioxane
Concen: 0.466 ug/l
RT: 9.777 min Scan# 11
Delta R.T. 0.070 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

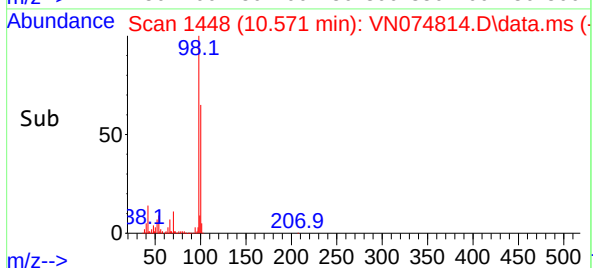
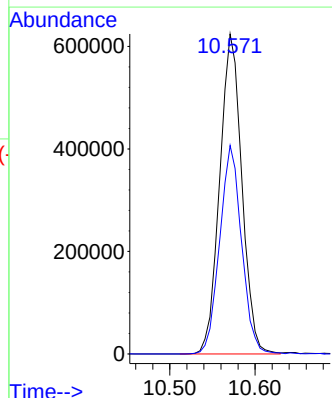
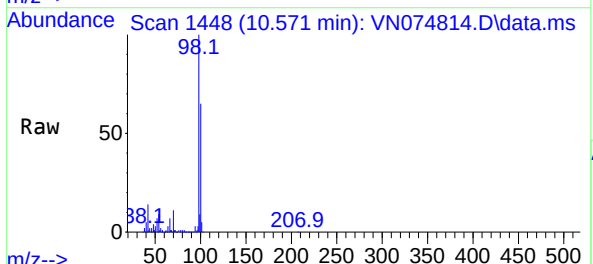
Instrument :
MSVOA_N
ClientSampleId :
MW-1

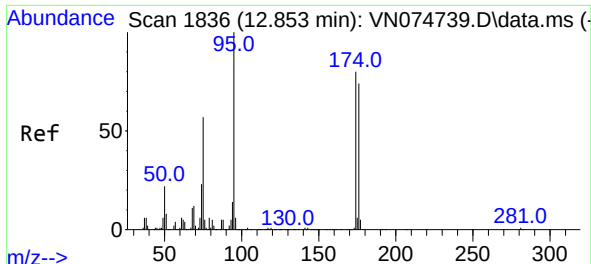
Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 369.6 23.4 35.2#
58 87.3 54.9 82.3#



#50
Toluene-d8
Concen: 55.360 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion: 98 Resp: 1126959
Ion Ratio Lower Upper
98 100
100 64.4 50.7 76.1

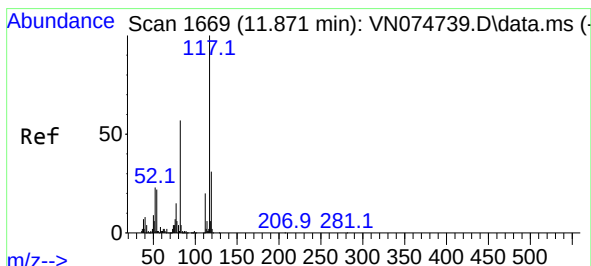
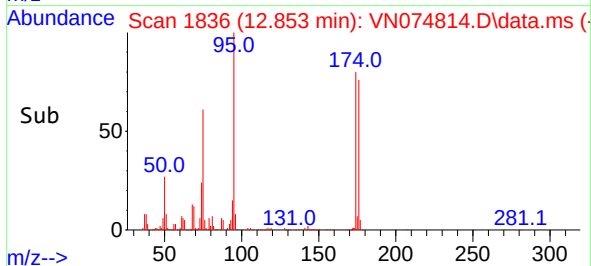
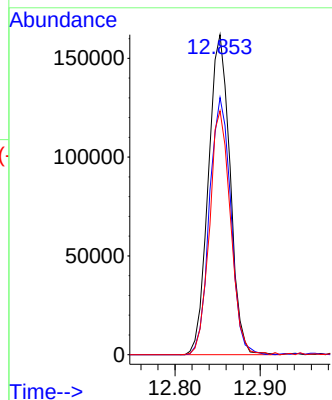
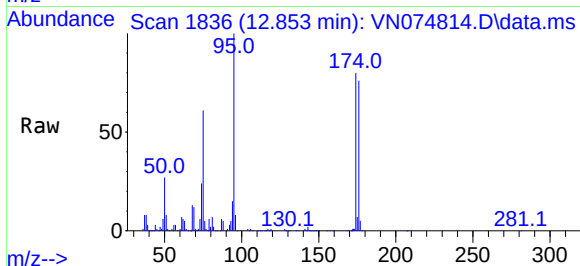




#62
4-Bromofluorobenzene
Concen: 46.112 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

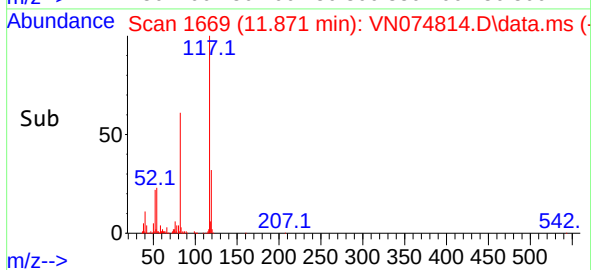
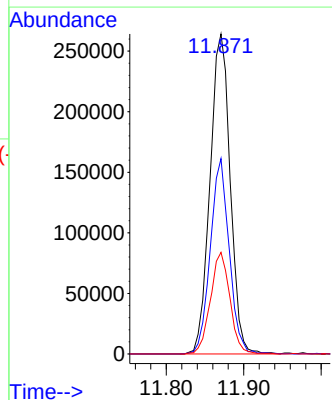
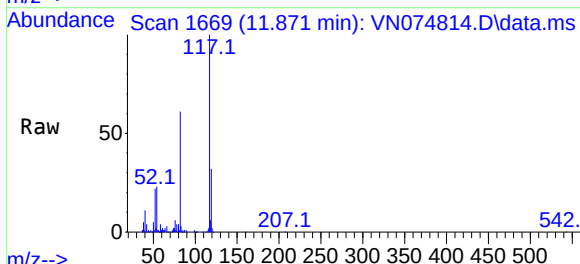
Instrument :
MSVOA_N
ClientSampleId :
MW-1

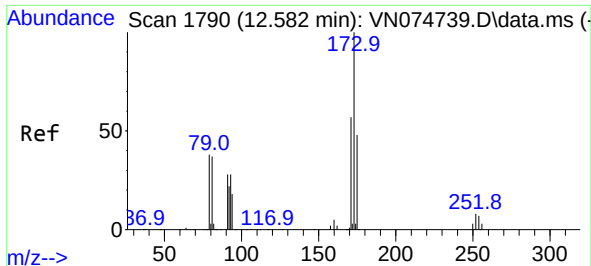
Tgt Ion: 95 Resp: 285349
Ion Ratio Lower Upper
95 100
174 79.1 0.0 149.4
176 74.0 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion: 117 Resp: 478315
Ion Ratio Lower Upper
117 100
82 61.1 45.4 68.2
119 31.7 25.1 37.7

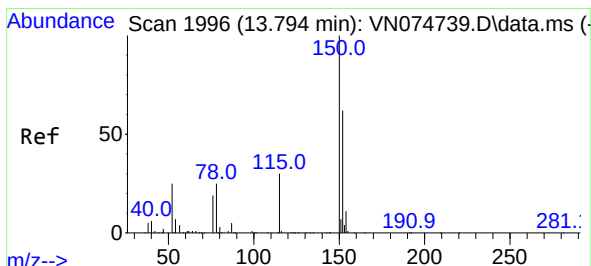
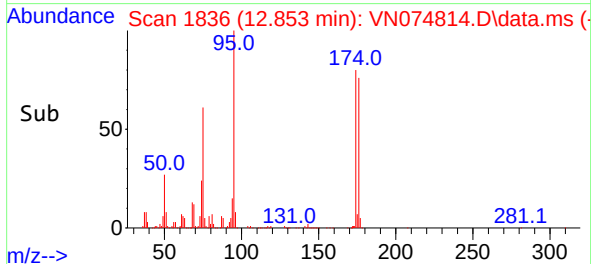
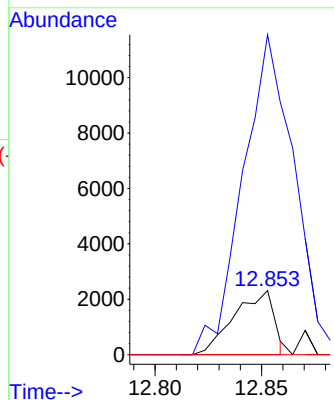
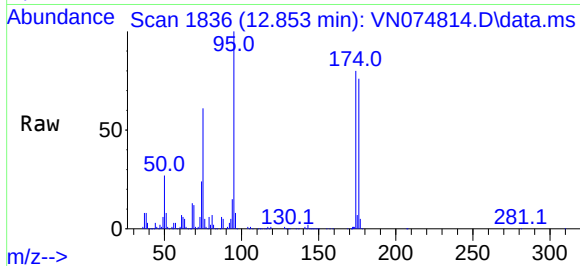




#71
Bromoform
Concen: 0.740 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

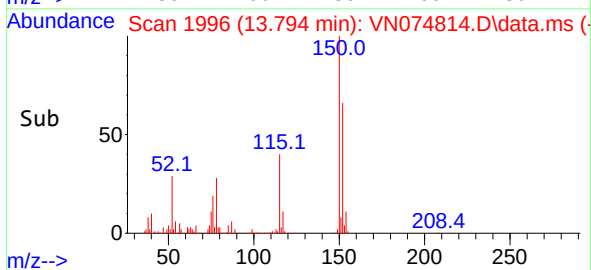
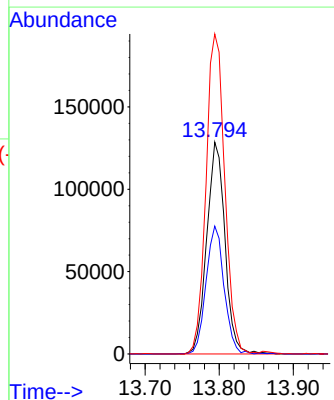
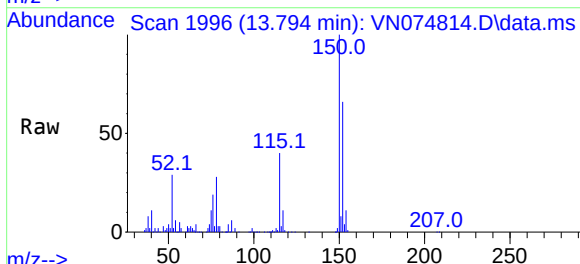
Instrument :
MSVOA_N
ClientSampleId :
MW-1

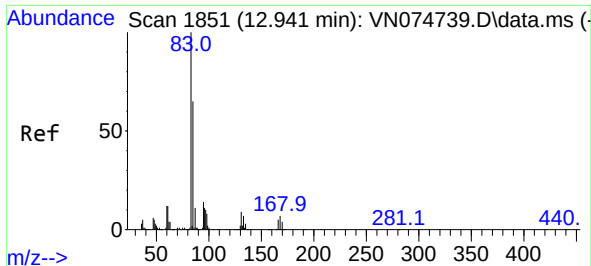
Tgt Ion:173 Resp: 3019
Ion Ratio Lower Upper
173 100
175 481.4 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion:152 Resp: 219621
Ion Ratio Lower Upper
152 100
115 59.9 30.0 90.0
150 155.3 0.0 356.4

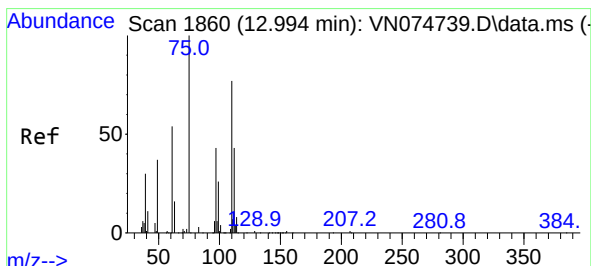
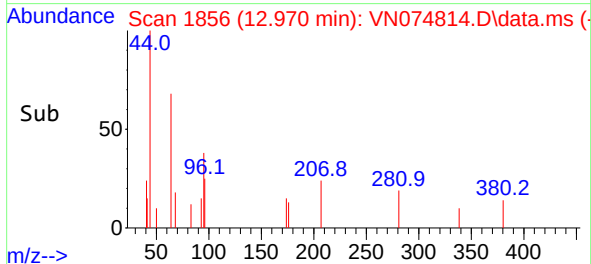
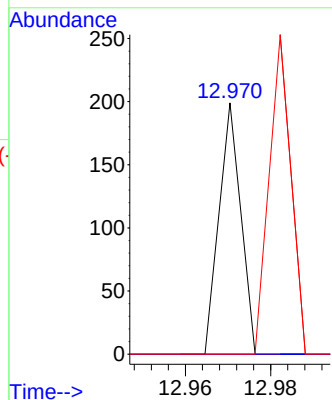
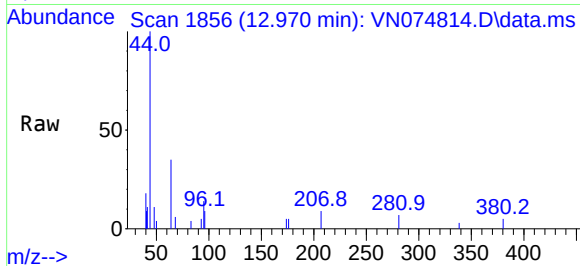




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.970 min Scan# 1856
Delta R.T. 0.029 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

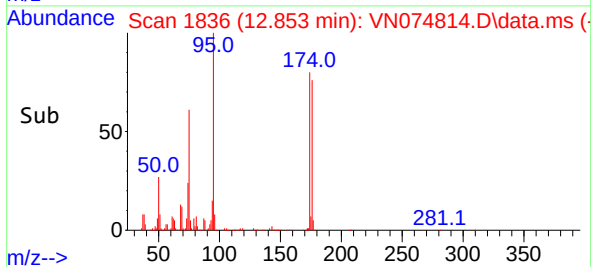
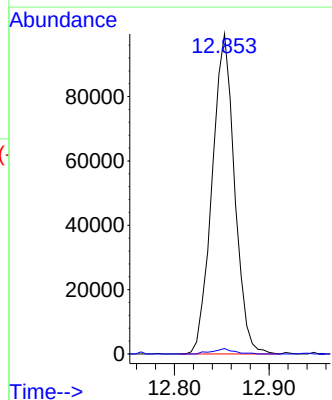
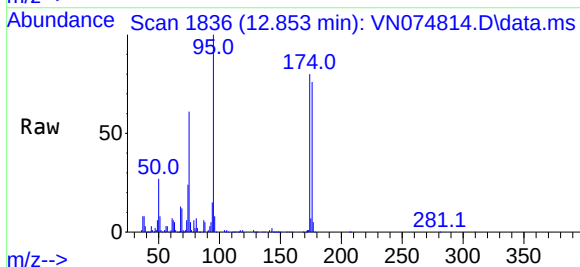
Instrument :
MSVOA_N
ClientSampleId :
MW-1

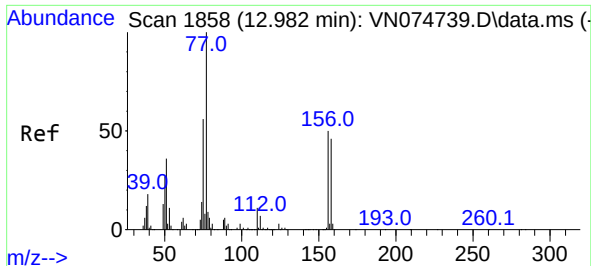
Tgt Ion: 83 Resp: 70
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 127.1 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 25.022 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion: 75 Resp: 164019
Ion Ratio Lower Upper
75 100
77 1.6 76.9 230.7#

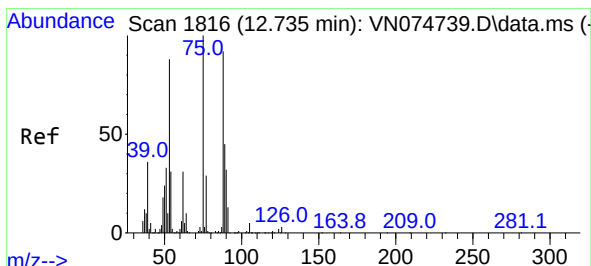
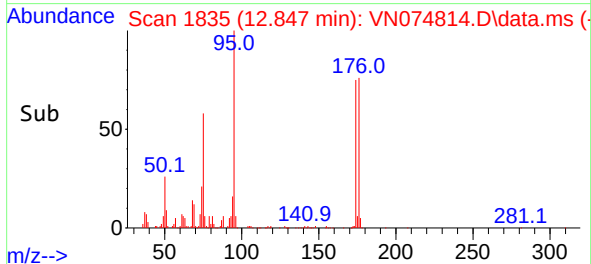
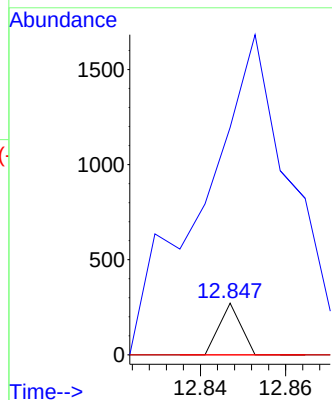
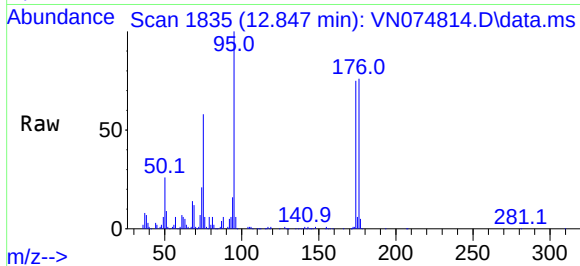




#77
Bromobenzene
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.135 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:156 Resp: 96
Ion Ratio Lower Upper
156 100
77 2725.0 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 48.751 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074814.D
Acq: 07 Oct 2022 16:19

Tgt Ion: 75 Resp: 164019
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.0 32.1 48.1#

