

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074835.D
 Acq On : 10 Oct 2022 16:36
 Operator : JC\MD
 Sample : N5042-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:26:18 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)

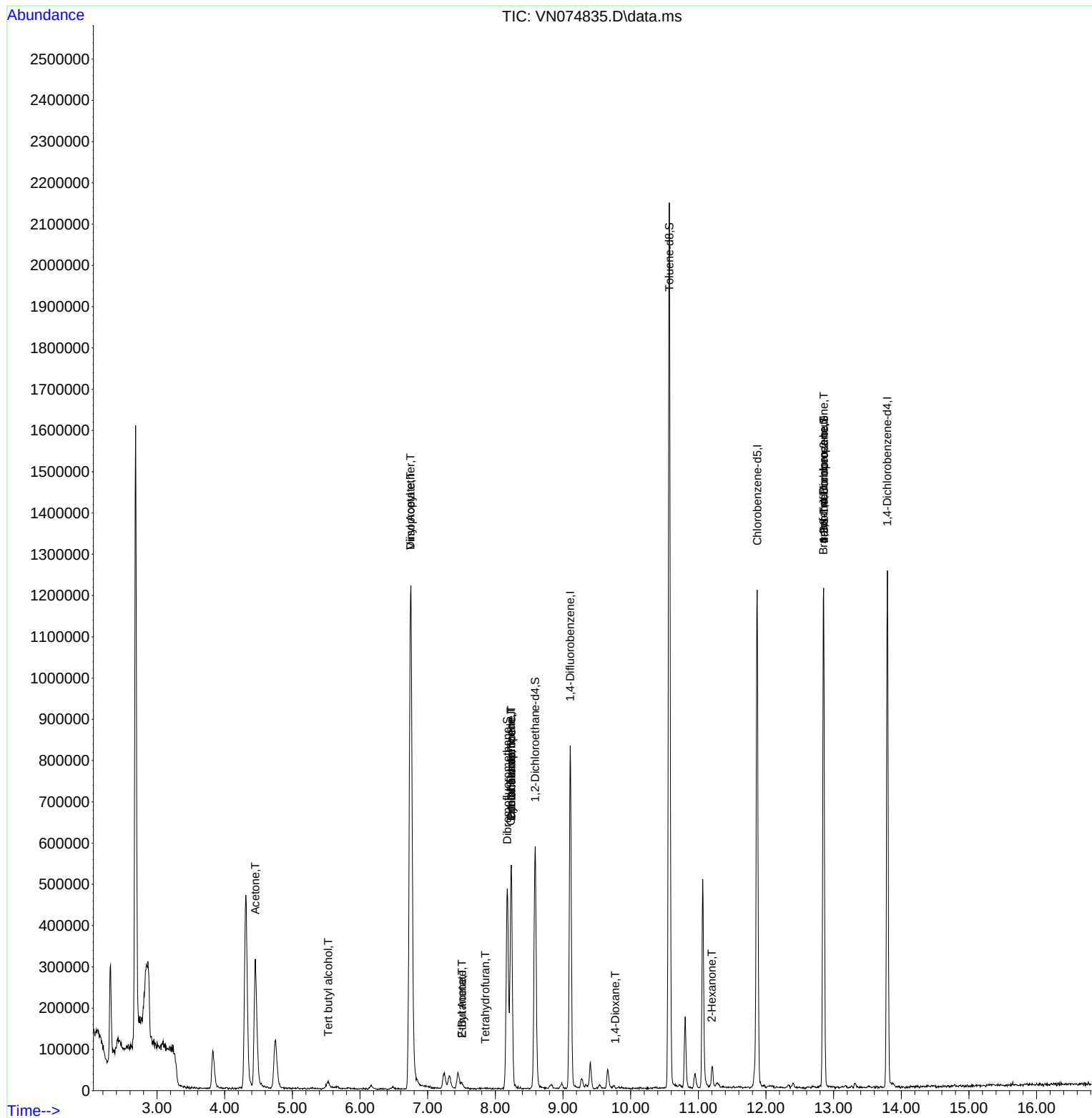
Internal Standards						
1) Pentafluorobenzene	8.236	168	378325	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	665006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	669030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	312941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	436657	48.712	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.420%
35) Dibromofluoromethane	8.177	113	343856	51.177	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.360%
50) Toluene-d8	10.571	98	1469337	50.965	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.940%
62) 4-Bromofluorobenzene	12.853	95	374284	42.707	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	15189	5.059	ug/l	# 75
13) Acrolein	4.195	56	838	Below Cal	#	15
16) Acetone	4.453	43	561192	110.472	ug/l	90
20) Methylene Chloride	5.300	84	692	Below Cal	#	50
22) Diisopropyl ether	6.747	45	97818	3.052	ug/l	# 1
23) Vinyl Acetate	6.747	43	242389	9.207	ug/l	# 72
25) 2-Butanone	7.506	43	21677	2.351	ug/l	98
29) Tetrahydrofuran	7.853	42	1599	0.249	ug/l	# 49
31) Cyclohexane	8.236	56	11408	0.736	ug/l	# 1
36) 1,1-Dichloropropene	8.236	75	34504	3.173	ug/l	# 51
37) Ethyl Acetate	7.506	43	21677	0.497	ug/l	# 86
38) Carbon Tetrachloride	8.230	117	41618	4.058	ug/l	# 17
49) 1,4-Dioxane	9.771	88	131	0.546	ug/l	# 1
59) 2-Hexanone	11.200	43	18046	1.374	ug/l	63
71) Bromoform	12.847	173	2764	0.484	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.941	83	72	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	230219	24.648	ug/l	# 1
77) Bromobenzene	12.841	156	233	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	230219	48.022	ug/l	# 14
96) 1,2,3-Trichlorobenzene	15.747	180	106	Below Cal	#	12

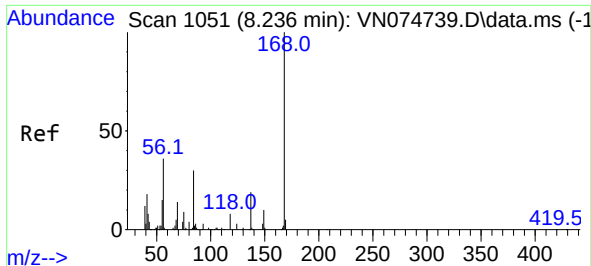
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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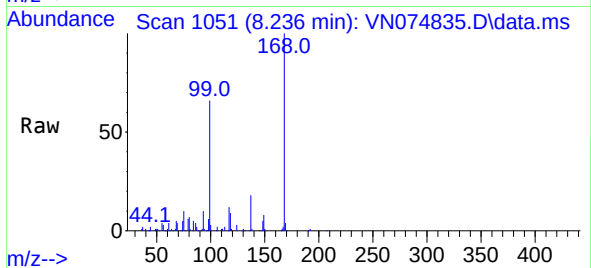
Quant Time: Oct 11 06:26:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration



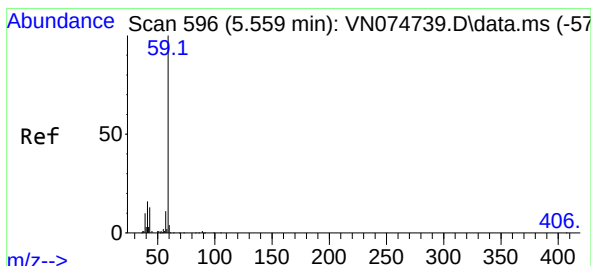
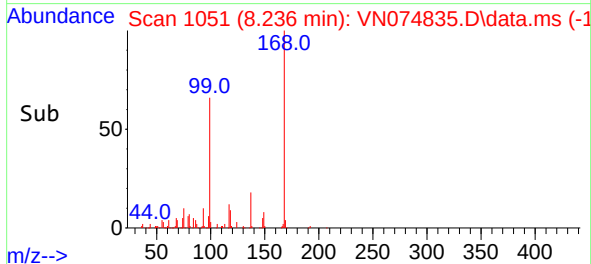
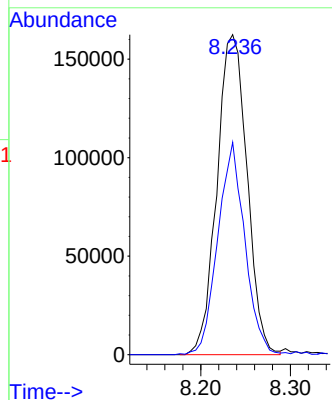


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :

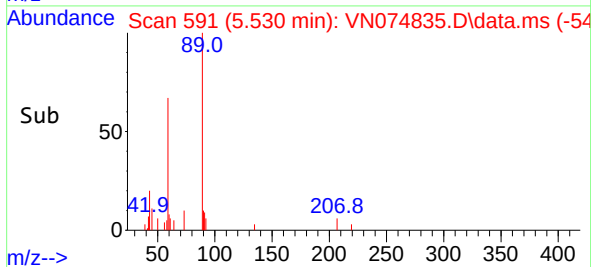
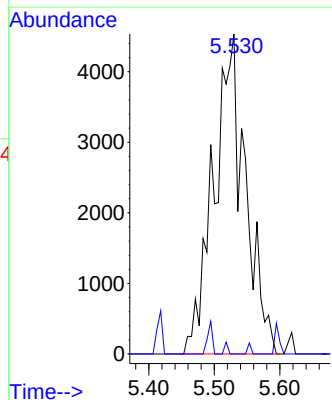
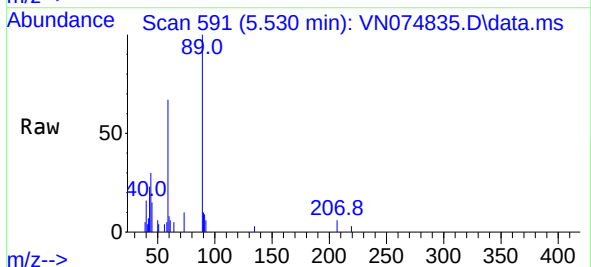


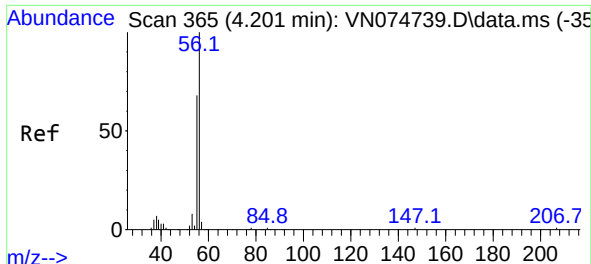
Tgt Ion:168 Resp: 378325
Ion Ratio Lower Upper
168 100
99 66.0 42.8 64.2#



#11
Tert butyl alcohol
Concen: 5.059 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.029 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion: 59 Resp: 15189
Ion Ratio Lower Upper
59 100
57 0.4 7.7 11.5#

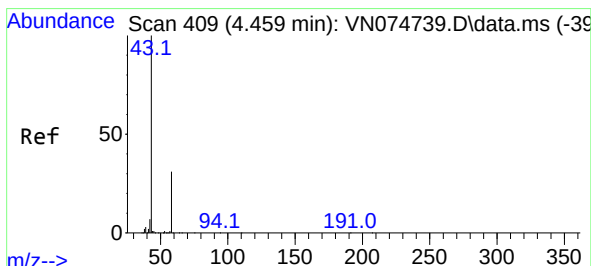
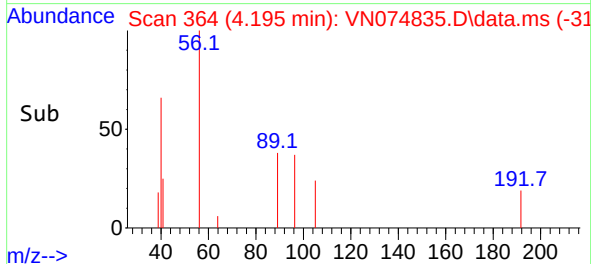
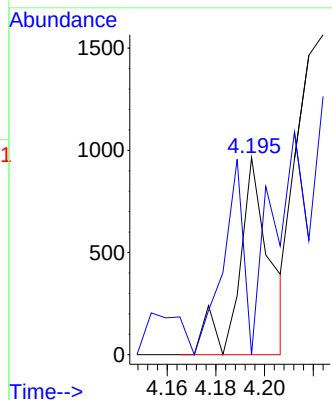
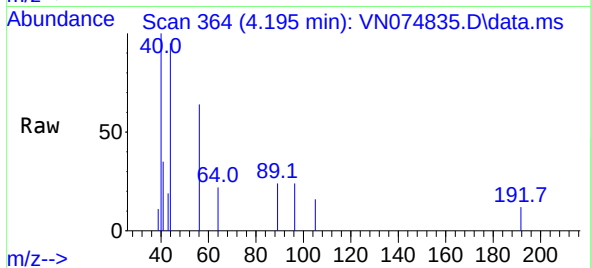




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 30
Delta R.T. -0.006 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

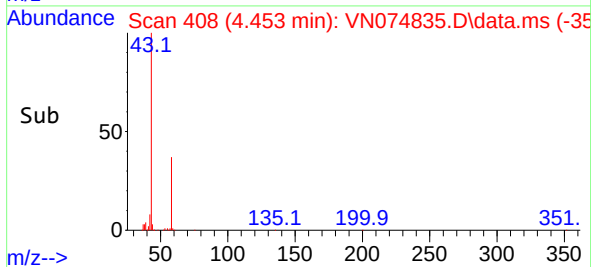
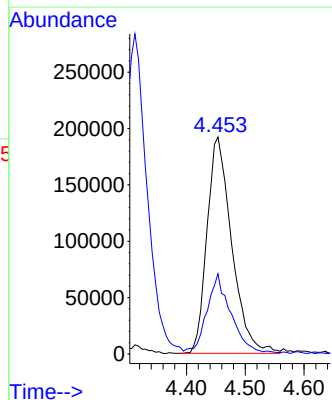
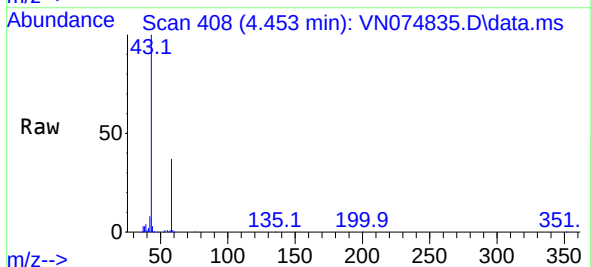
Instrument :
MSVOA_N
ClientSampleId :

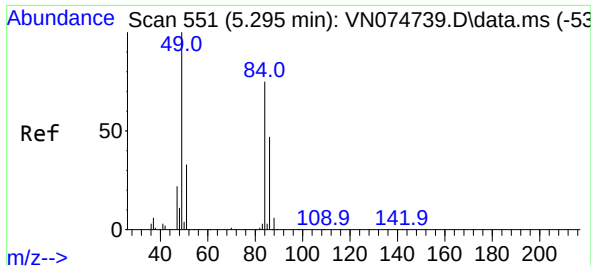
Tgt Ion: 56 Resp: 838
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 110.472 ug/l
RT: 4.453 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion: 43 Resp: 561192
Ion Ratio Lower Upper
43 100
58 36.4 24.9 37.3

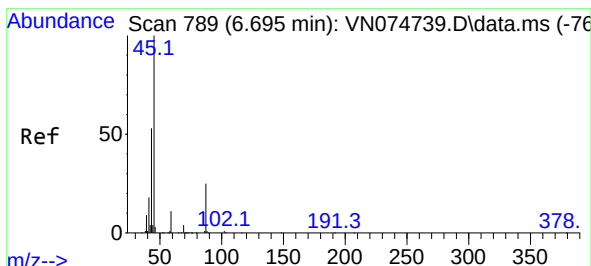
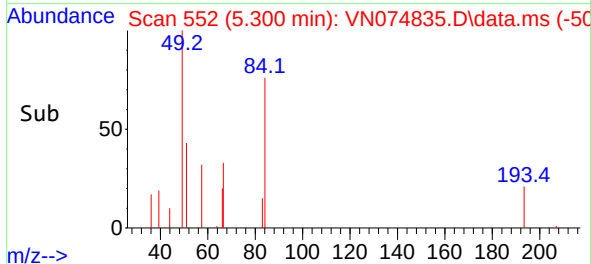
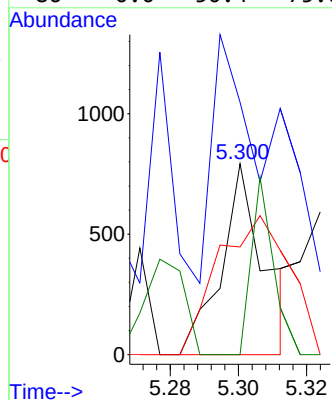
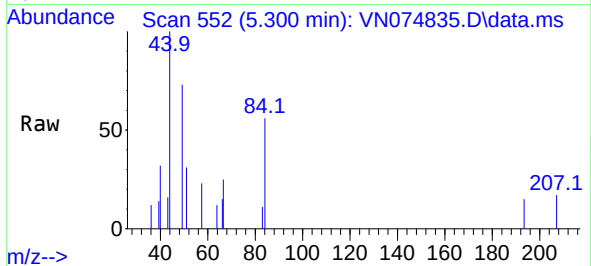




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

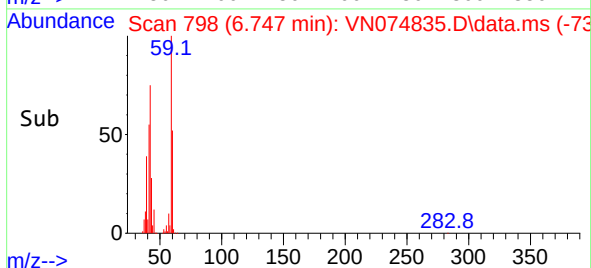
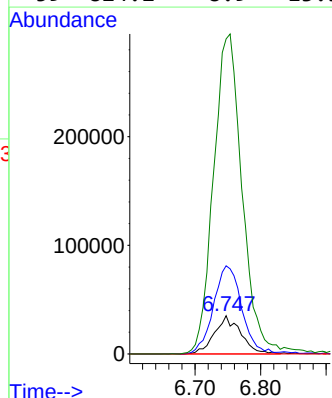
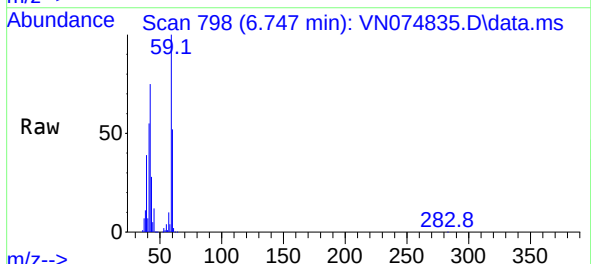
Instrument :
MSVOA_N
ClientSampleId :

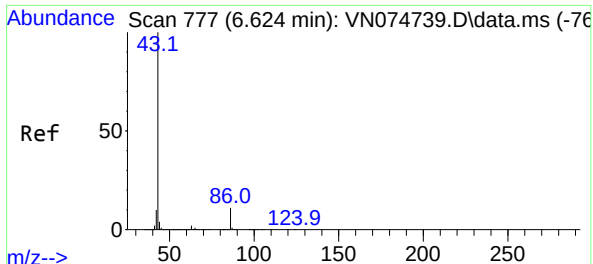
Tgt Ion: 84 Resp: 692
Ion Ratio Lower Upper
84 100
49 79.5 107.4 161.0#
51 56.4 35.1 52.7#
86 0.0 50.4 75.6#



#22
Diisopropyl ether
Concen: 3.052 ug/l
RT: 6.747 min Scan# 798
Delta R.T. 0.053 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion: 45 Resp: 97818
Ion Ratio Lower Upper
45 100
43 230.6 42.7 64.1#
87 0.0 19.6 29.4#
59 824.2 8.9 13.3#

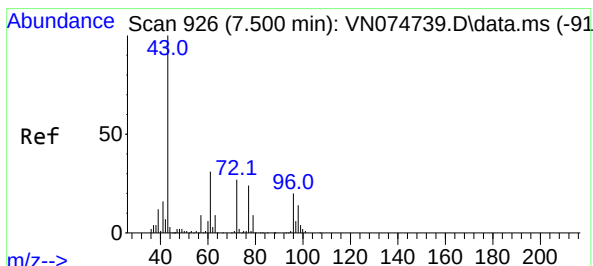
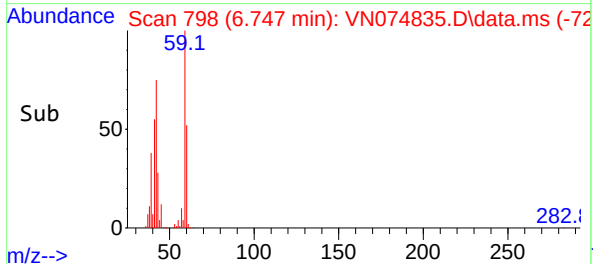
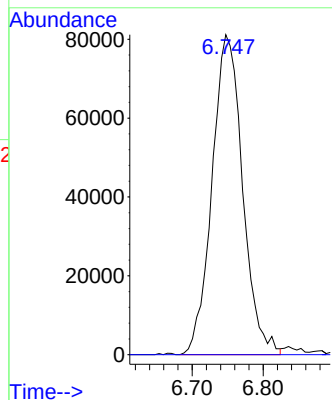
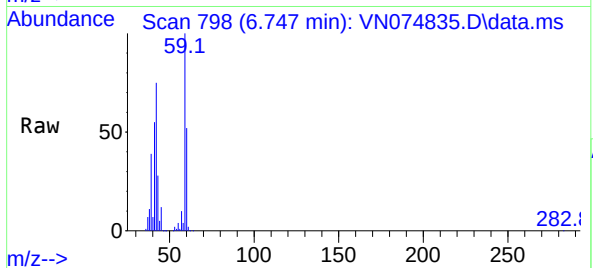




#23
 Vinyl Acetate
 Concen: 9.207 ug/l
 RT: 6.747 min Scan# 798
 Delta R.T. 0.123 min
 Lab File: VN074835.D
 Acq: 10 Oct 2022 16:36

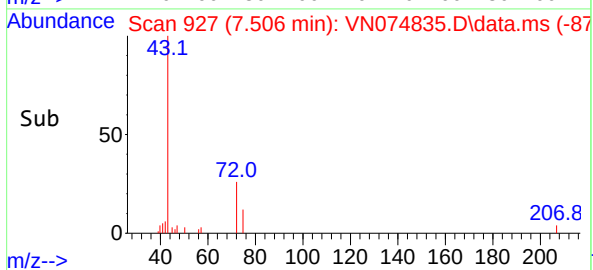
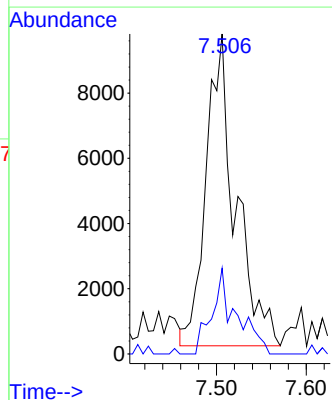
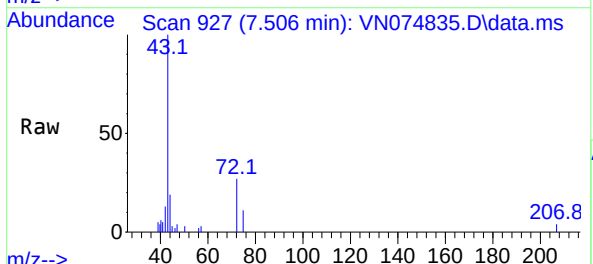
Instrument :
 MSVOA_N
 ClientSampleId :

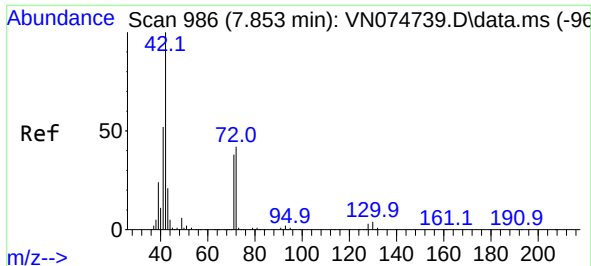
Tgt Ion: 43 Resp: 242389
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#25
 2-Butanone
 Concen: 2.351 ug/l
 RT: 7.506 min Scan# 927
 Delta R.T. 0.006 min
 Lab File: VN074835.D
 Acq: 10 Oct 2022 16:36

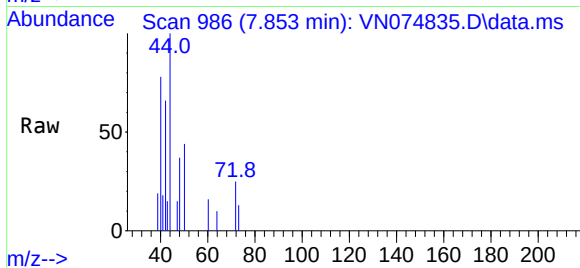
Tgt Ion: 43 Resp: 21677
 Ion Ratio Lower Upper
 43 100
 72 27.5 21.4 32.0



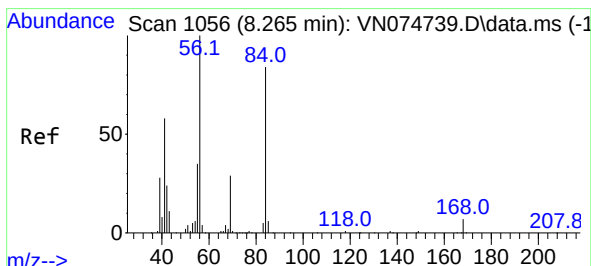
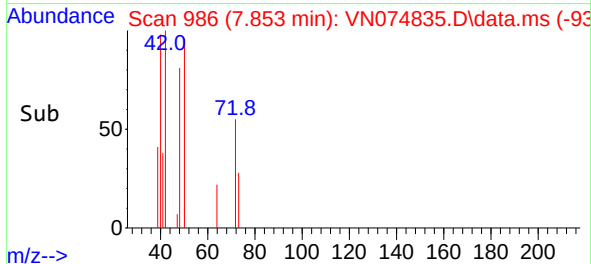
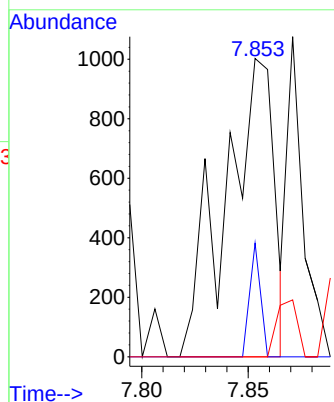


#29
Tetrahydrofuran
Concen: 0.249 ug/l
RT: 7.853 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :

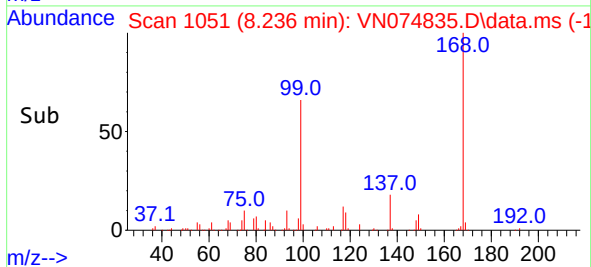
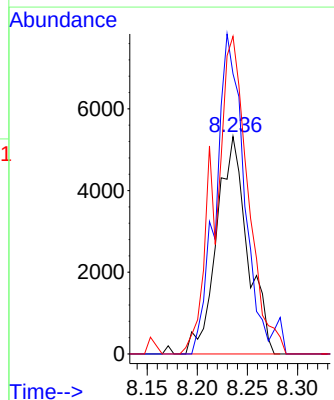
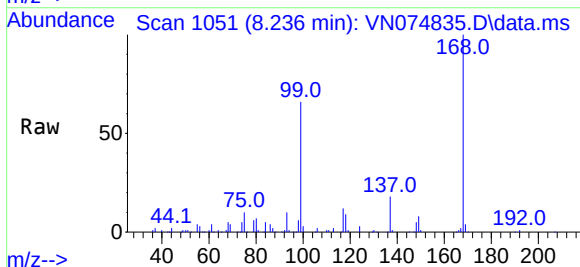


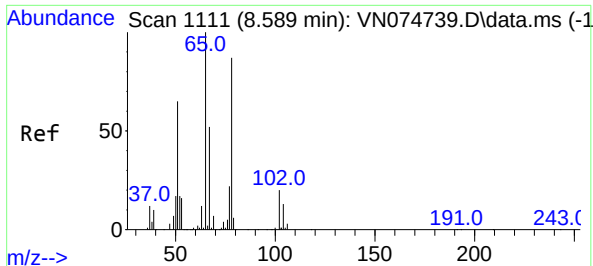
Tgt Ion: 42 Resp: 1599
Ion Ratio Lower Upper
42 100
72 8.4 33.0 49.6#
71 8.0 30.4 45.6#



#31
Cyclohexane
Concen: 0.736 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion: 56 Resp: 11408
Ion Ratio Lower Upper
56 100
69 128.8 23.1 34.7#
84 146.0 67.1 100.7#

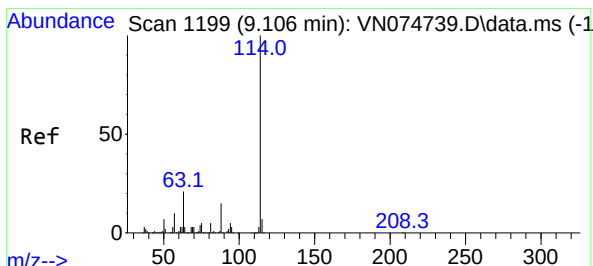
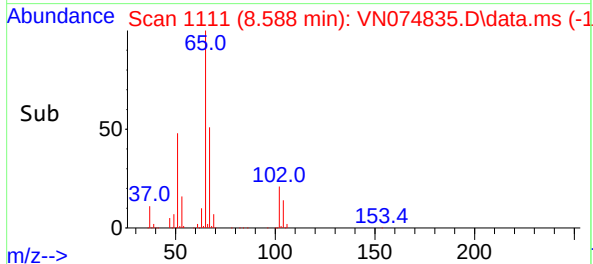
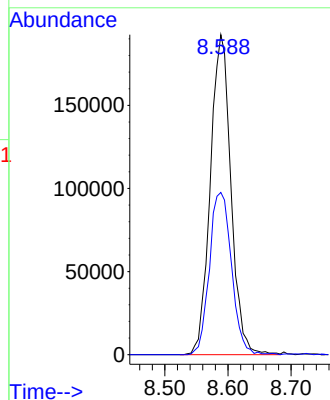
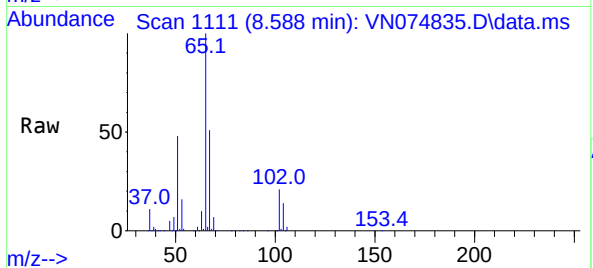




#33
1,2-Dichloroethane-d4
Concen: 48.712 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

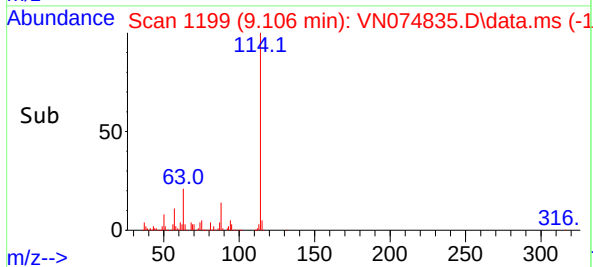
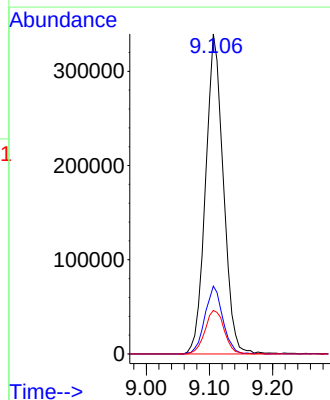
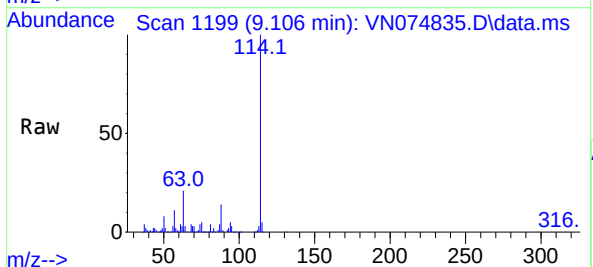
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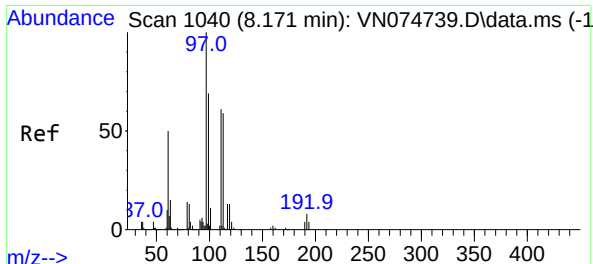
Tgt Ion: 65 Resp: 436657
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

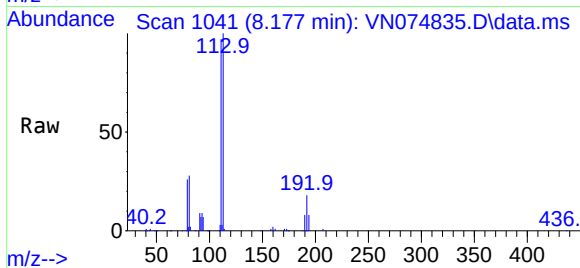
Tgt Ion:114 Resp: 665006
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.2
88 13.6 0.0 30.2



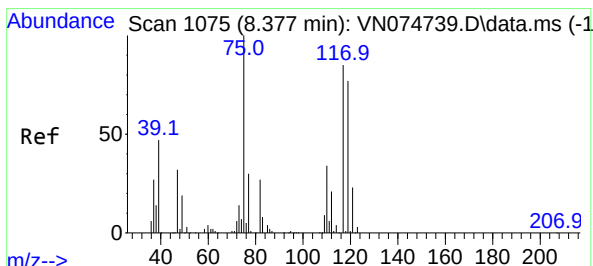
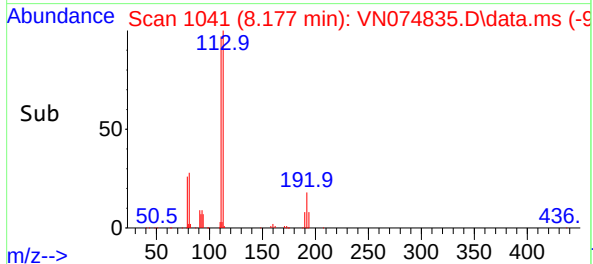
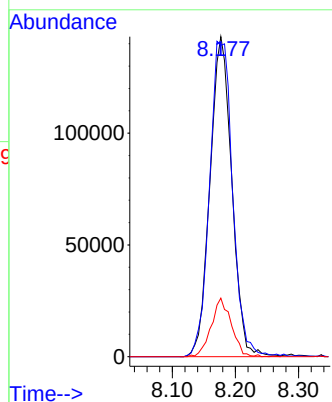


#35
Dibromofluoromethane
Concen: 51.177 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :

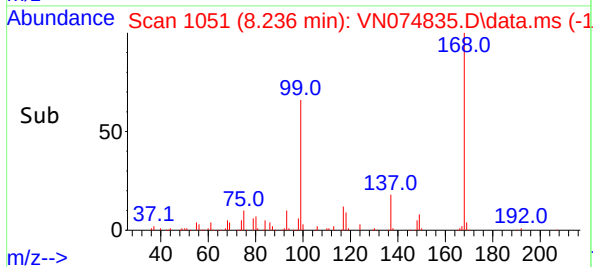
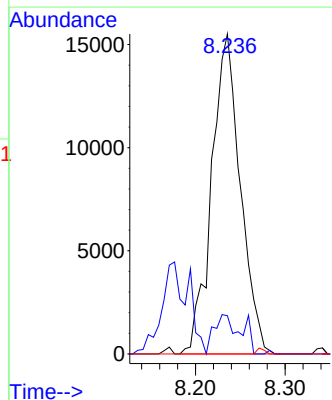
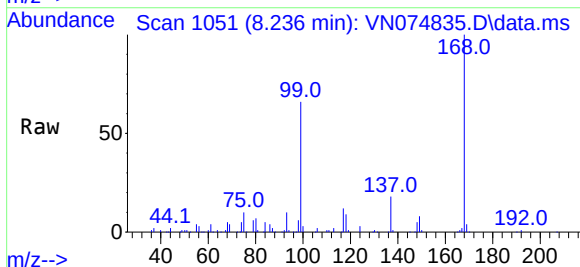


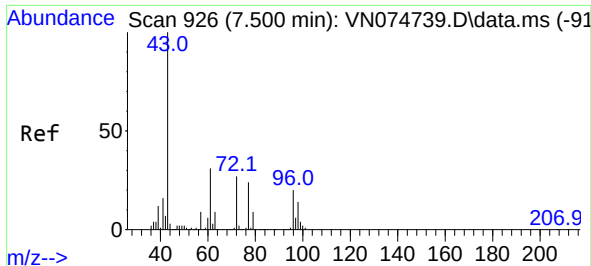
Tgt Ion:113 Resp: 343856
Ion Ratio Lower Upper
113 100
111 103.9 83.0 124.6
192 16.9 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.173 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

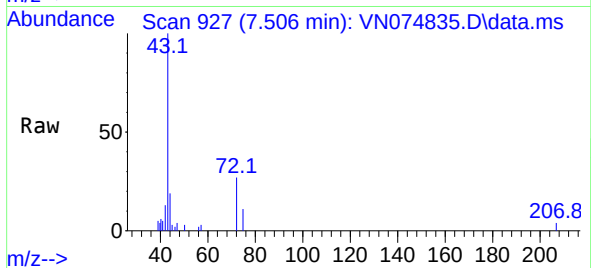
Tgt Ion: 75 Resp: 34504
Ion Ratio Lower Upper
75 100
110 9.5 17.2 51.5#
77 0.0 24.3 36.5#



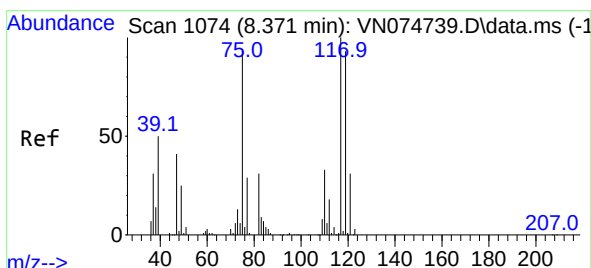
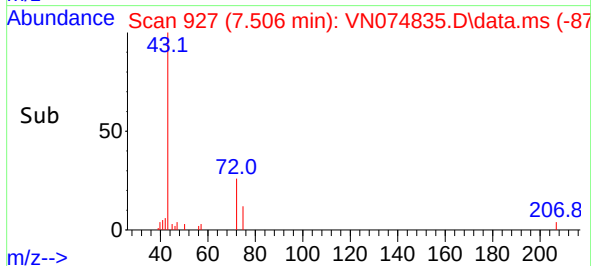
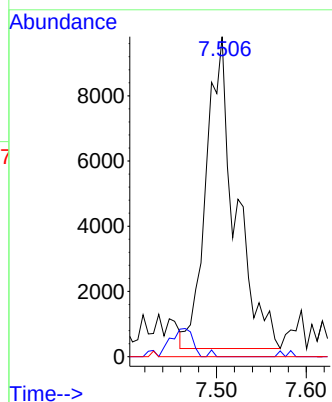


#37
Ethyl Acetate
Concen: 0.497 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :

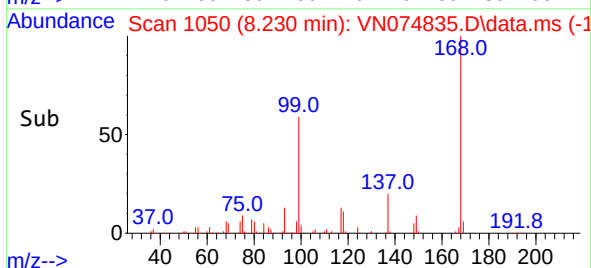
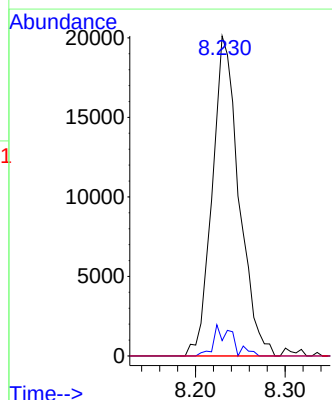
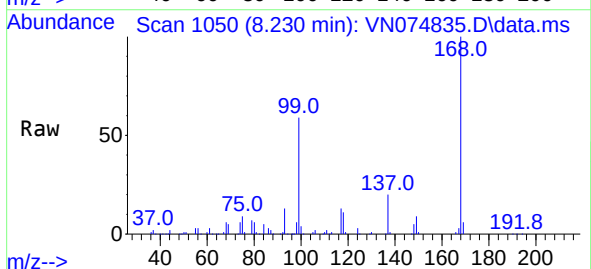


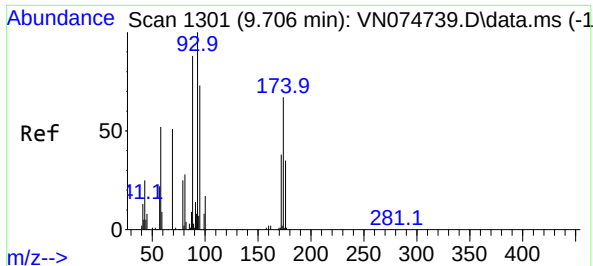
Tgt Ion: 43 Resp: 21677
Ion Ratio Lower Upper
43 100
61 0.3 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 4.058 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion: 117 Resp: 41618
Ion Ratio Lower Upper
117 100
119 4.8 74.3 111.5#
121 0.0 25.0 37.4#

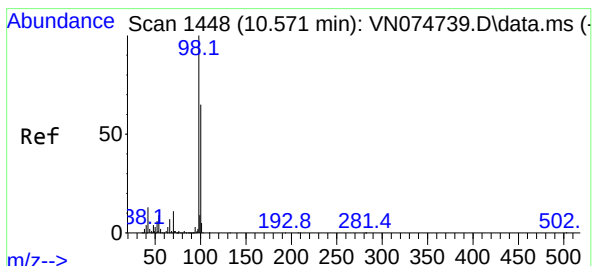
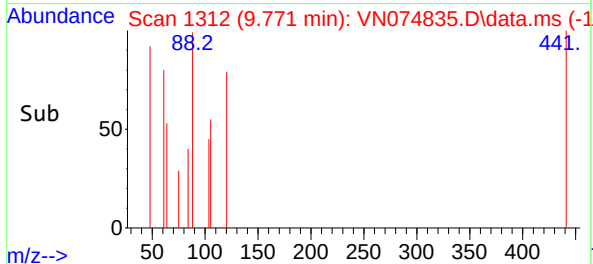
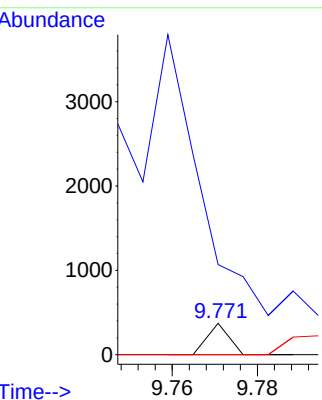
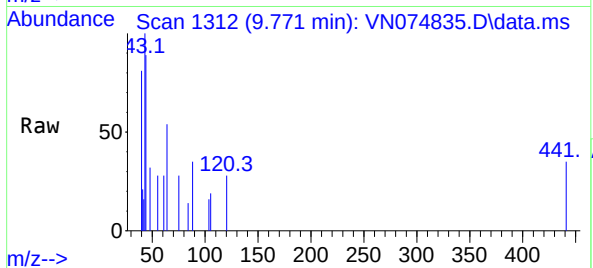




#49
1,4-Dioxane
Concen: 0.546 ug/l
RT: 9.771 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

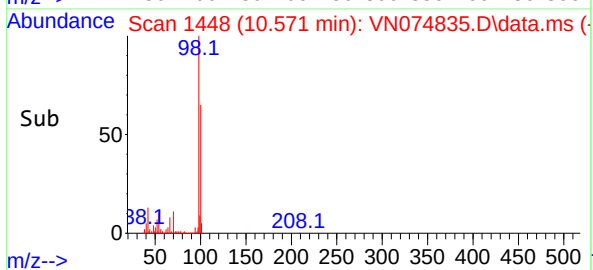
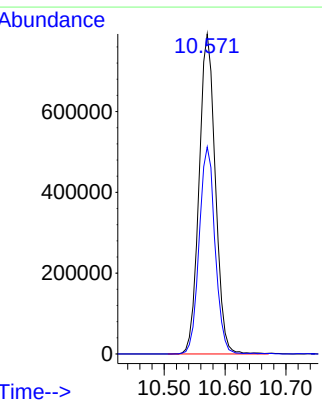
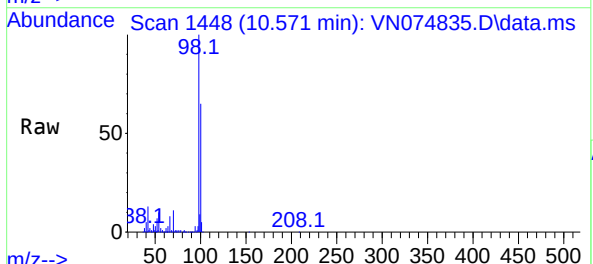
Instrument :
MSVOA_N
ClientSampleId :

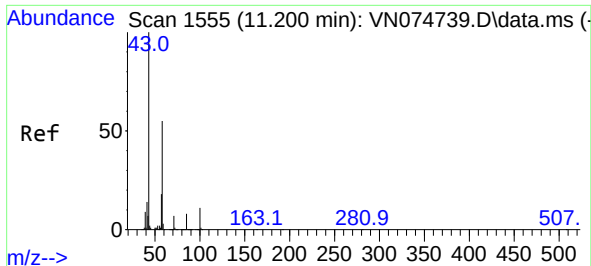
Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 5107.6 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 50.965 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion: 98 Resp: 1469337
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1

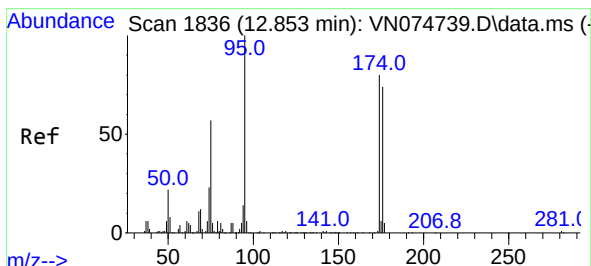
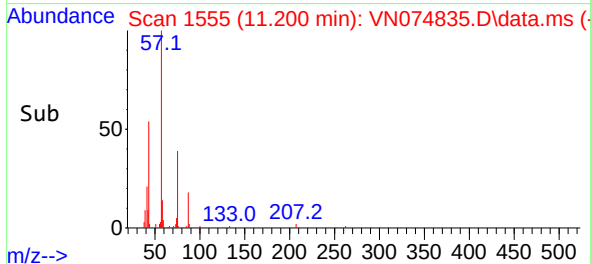
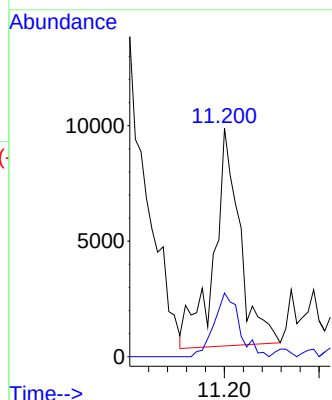
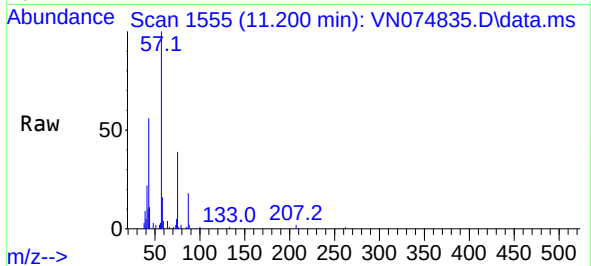




#59
2-Hexanone
Concen: 1.374 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

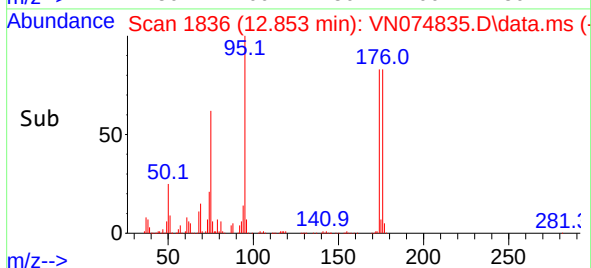
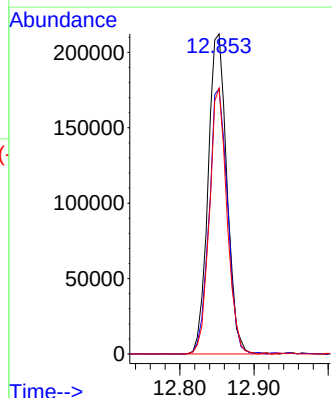
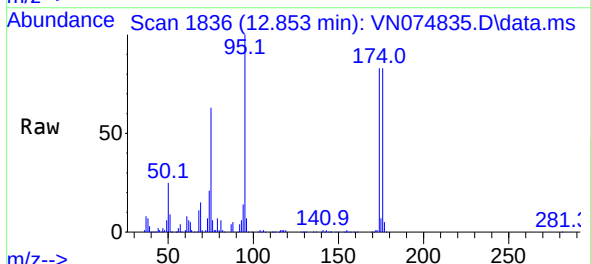
Instrument :
MSVOA_N
ClientSampleId :

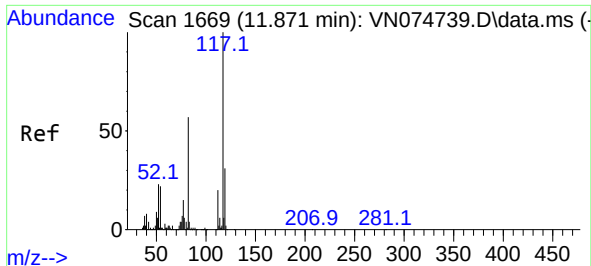
Tgt Ion: 43 Resp: 18046
Ion Ratio Lower Upper
43 100
58 28.2 27.3 81.9



#62
4-Bromofluorobenzene
Concen: 42.707 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion: 95 Resp: 374284
Ion Ratio Lower Upper
95 100
174 81.4 0.0 149.4
176 77.5 0.0 142.0

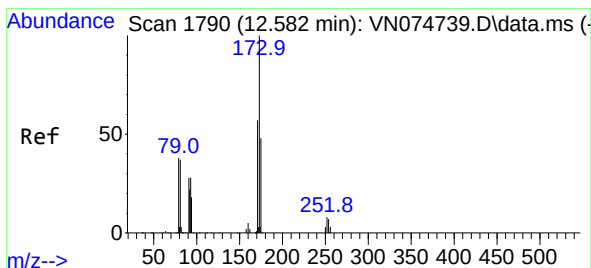
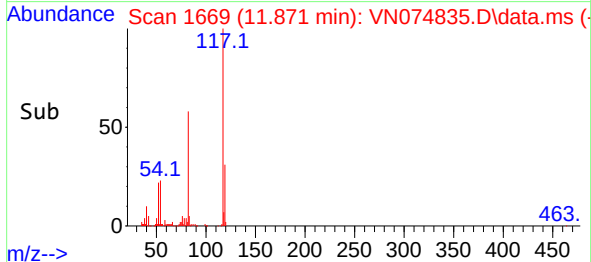
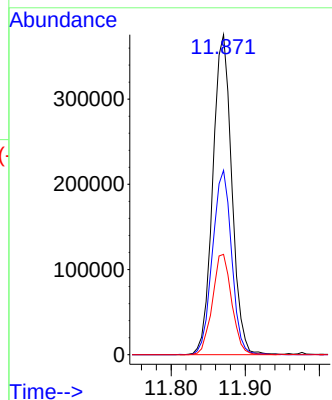
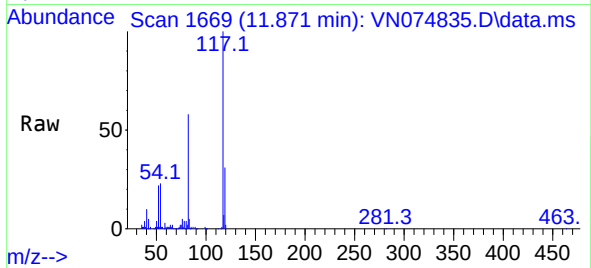




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

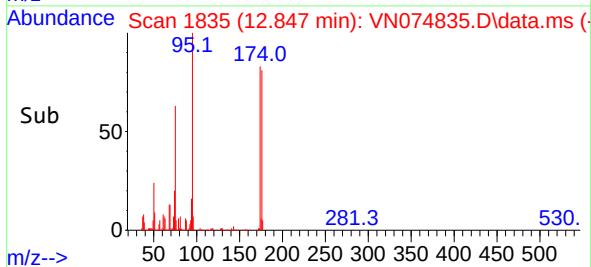
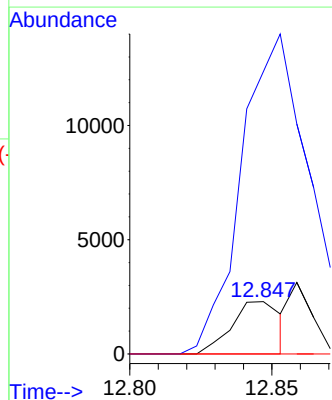
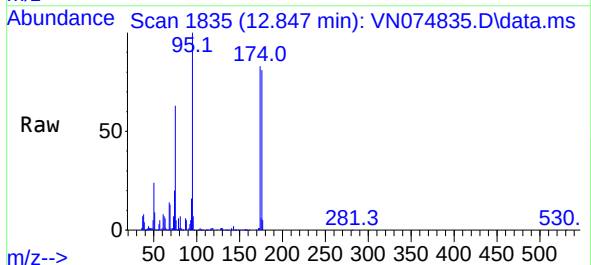
Instrument :
MSVOA_N
ClientSampleId :

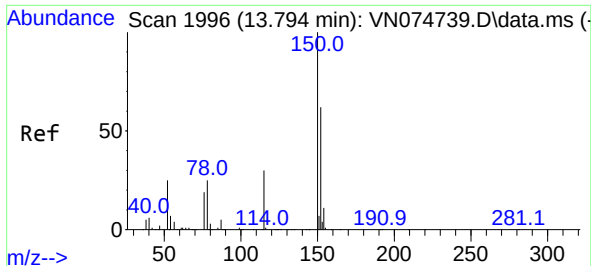
Tgt Ion:117 Resp: 669030
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.2
119 31.4 25.1 37.7



#71
Bromoform
Concen: 0.484 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

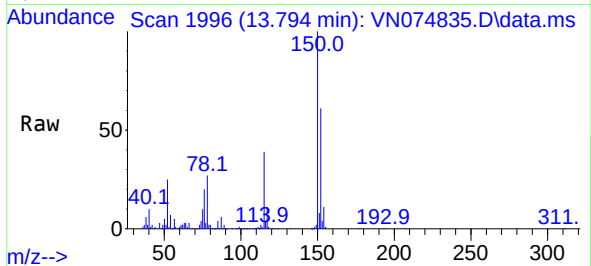
Tgt Ion:173 Resp: 2764
Ion Ratio Lower Upper
173 100
175 680.0 23.9 71.7#
254 0.0 0.1 0.1#



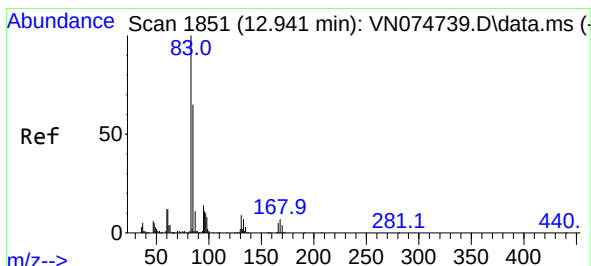
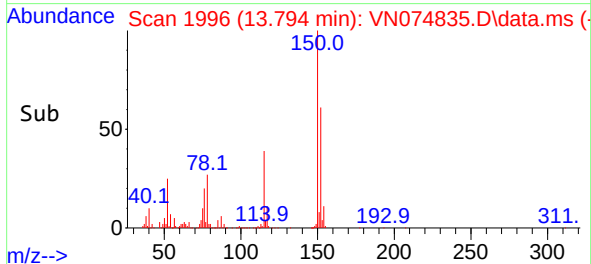
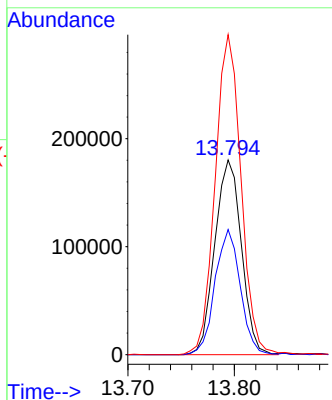


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074835.D
 Acq: 10 Oct 2022 16:36

Instrument :
 MSVOA_N
 ClientSampleId :

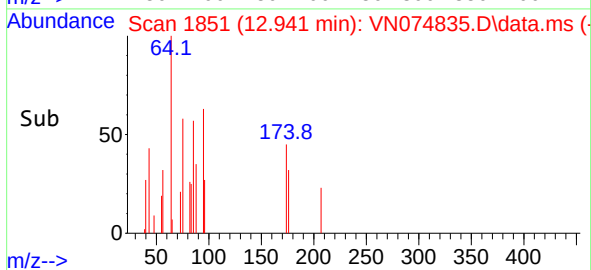
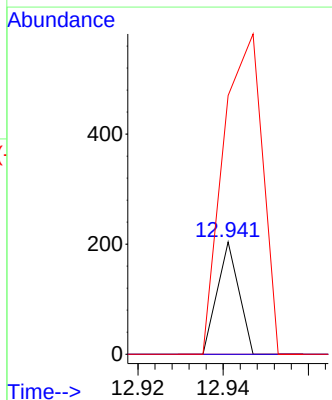
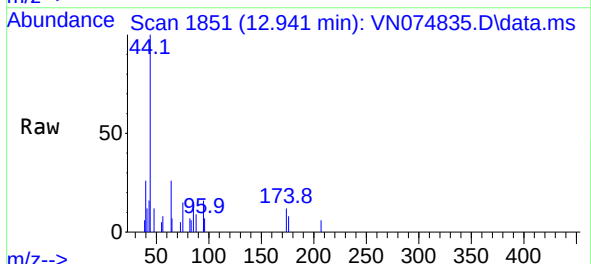


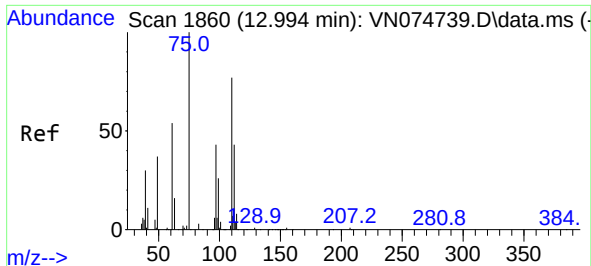
Tgt Ion:152 Resp: 312941
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.0 90.0
 150 160.0 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.941 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: VN074835.D
 Acq: 10 Oct 2022 16:36

Tgt Ion: 83 Resp: 72
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 515.3 32.9 98.6#

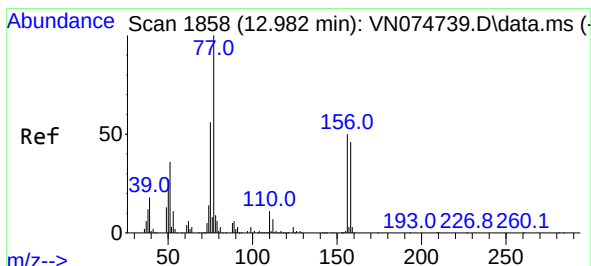
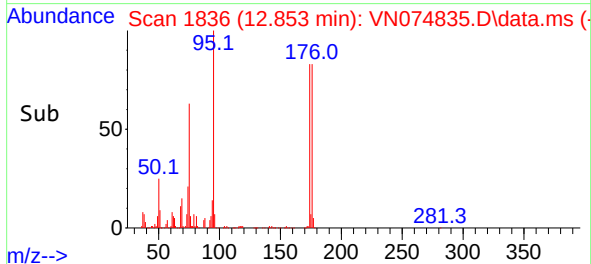
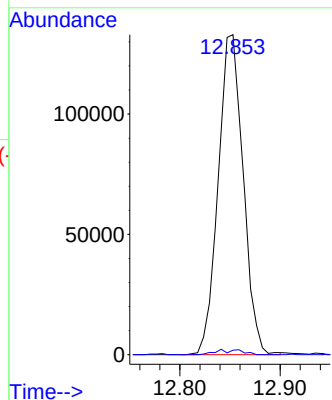
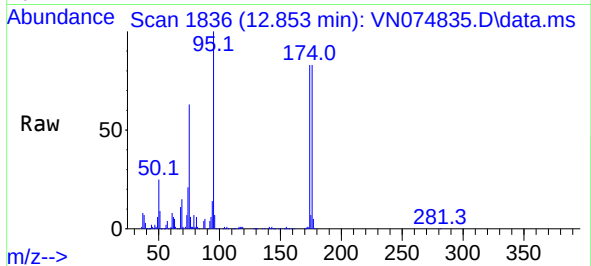




#76
1,2,3-Trichloropropane
Concen: 24.648 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

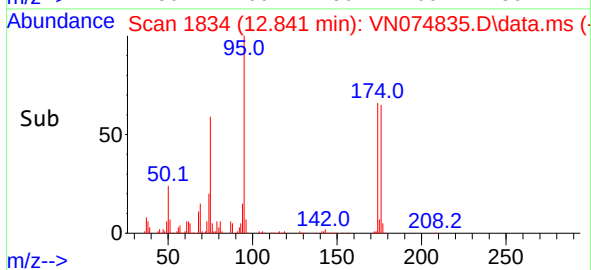
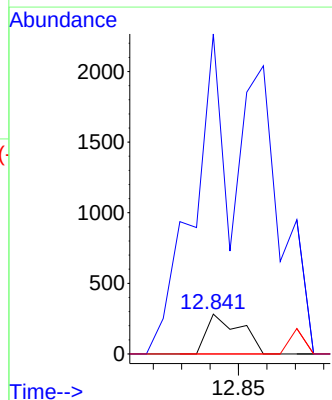
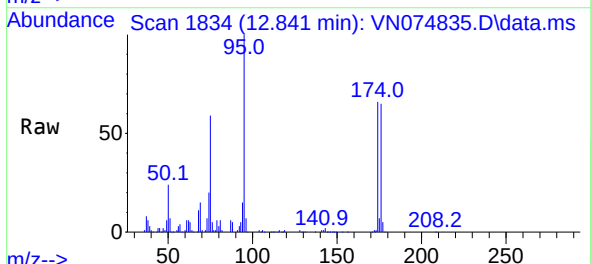
Instrument :
MSVOA_N
ClientSampleId :

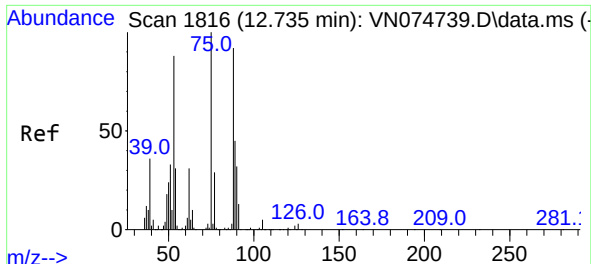
Tgt Ion: 75 Resp: 230219
Ion Ratio Lower Upper
75 100
77 0.8 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.841 min Scan# 1834
Delta R.T. -0.141 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion:156 Resp: 233
Ion Ratio Lower Upper
156 100
77 768.7 124.7 374.1#
158 0.0 48.3 144.9#

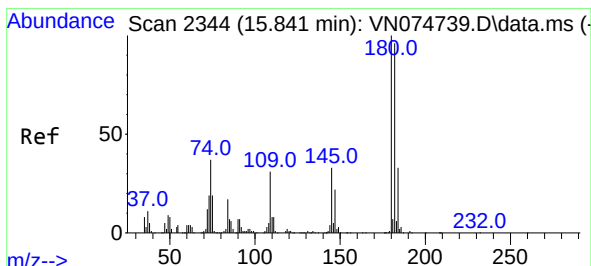
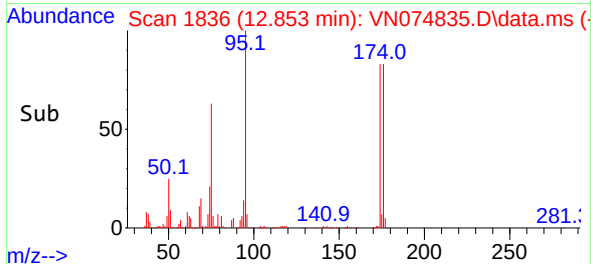
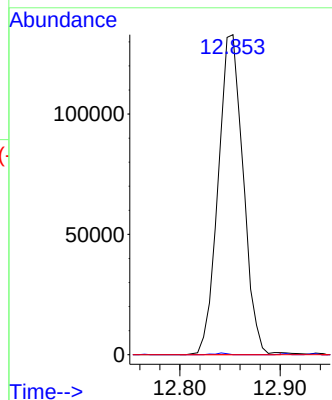
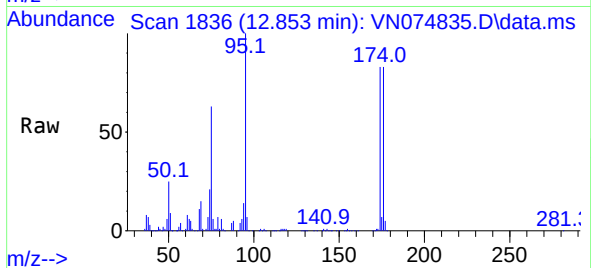




#81
trans-1,4-Dichloro-2-butene
Concen: 48.022 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 230219
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.0 32.1 48.1#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.747 min Scan# 2328
Delta R.T. -0.094 min
Lab File: VN074835.D
Acq: 10 Oct 2022 16:36

Tgt Ion:180 Resp: 106
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 17.1 51.2#

