

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074836.D
 Acq On : 10 Oct 2022 17:01
 Operator : JC\MD
 Sample : N5042-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:26:44 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)

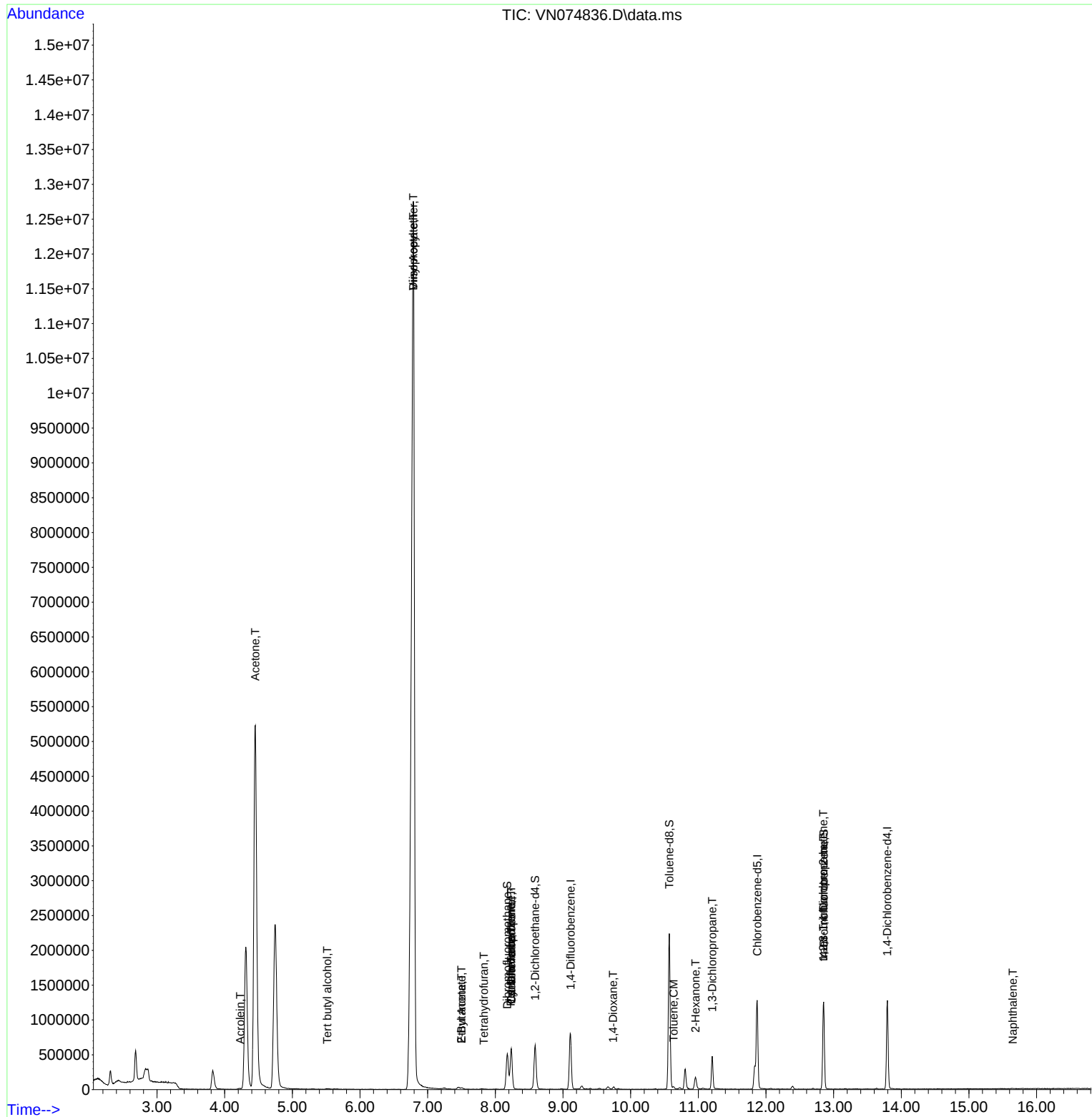
Internal Standards						
1) Pentafluorobenzene	8.230	168	397406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	684389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	704155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	322219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	462111	49.076	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.160%
35) Dibromofluoromethane	8.177	113	364076	52.652	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.300%
50) Toluene-d8	10.571	98	1493507	50.336	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.853	95	386985	42.906	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	6161	1.954	ug/l #	74
13) Acrolein	4.230	56	18069	3.844	ug/l	86
16) Acetone	4.453	43	10111391	1894.876	ug/l	98
20) Methylene Chloride	5.283	84	3263	Below Cal	#	33
22) Diisopropyl ether	6.789	45	1073428	31.883	ug/l #	1
23) Vinyl Acetate	6.789	43	2799999	101.246	ug/l #	72
25) 2-Butanone	7.500	43	36816	3.802	ug/l #	86
29) Tetrahydrofuran	7.830	42	1413	0.209	ug/l #	41
31) Cyclohexane	8.236	56	13198	0.811	ug/l #	23
36) 1,1-Dichloropropene	8.236	75	41488	3.707	ug/l #	50
37) Ethyl Acetate	7.500	43	36816	0.820	ug/l #	86
38) Carbon Tetrachloride	8.236	117	40622	3.849	ug/l #	17
49) 1,4-Dioxane	9.741	88	101	0.409	ug/l #	1
52) Toluene	10.635	92	9432	0.433	ug/l #	71
57) 1,3-Dichloropropane	11.206	76	4072	0.258	ug/l #	42
59) 2-Hexanone	10.959	43	19780	1.464	ug/l	65
75) 1,1,2,2-Tetrachloroethane	12.976	83	67	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.847	75	227414	23.646	ug/l #	1
77) Bromobenzene	12.847	156	224	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	227414	46.071	ug/l #	14
95) Naphthalene	15.647	128	5266	0.235	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.853	180	66	Below Cal	#	50

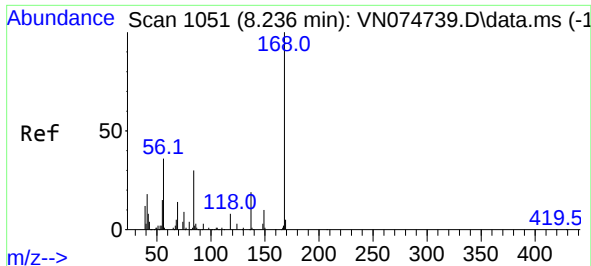
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

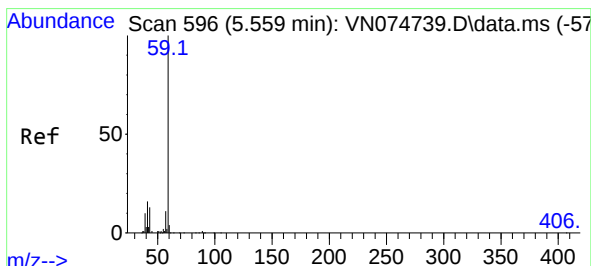
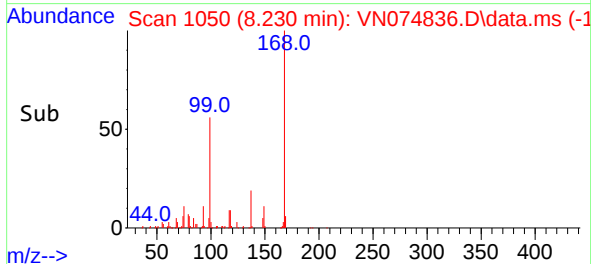
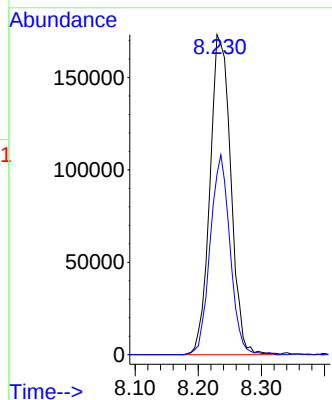
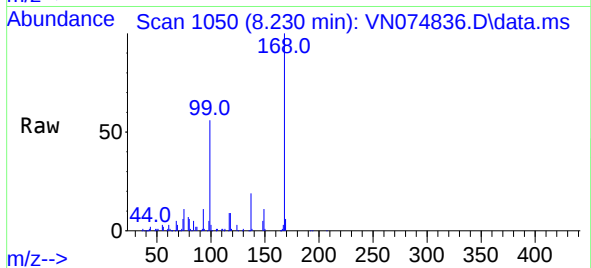




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

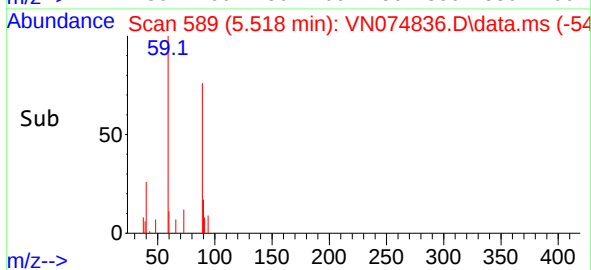
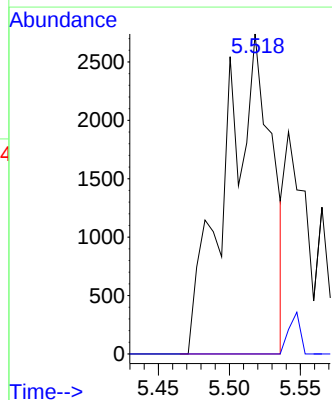
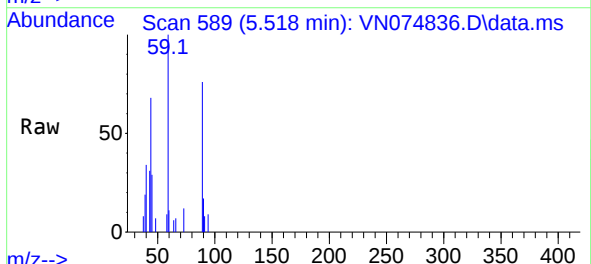
Instrument :
MSVOA_N
ClientSampleId :

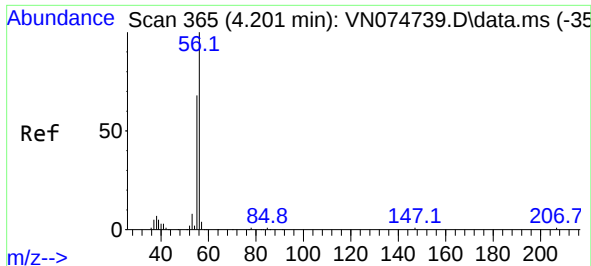
Tgt Ion:168 Resp: 397406
Ion Ratio Lower Upper
168 100
99 56.3 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.954 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.041 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

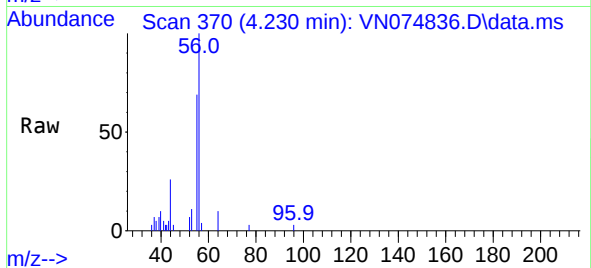
Tgt Ion: 59 Resp: 6161
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



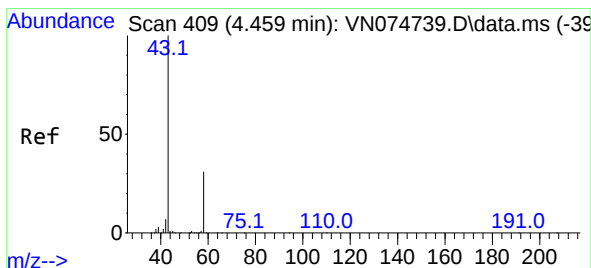
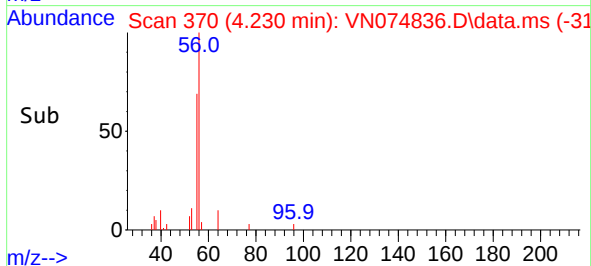
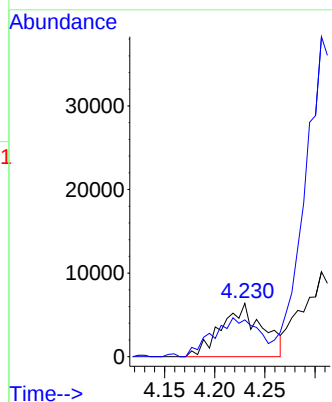


#13
Acrolein
Concen: 3.844 ug/l
RT: 4.230 min Scan# 31
Delta R.T. 0.029 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

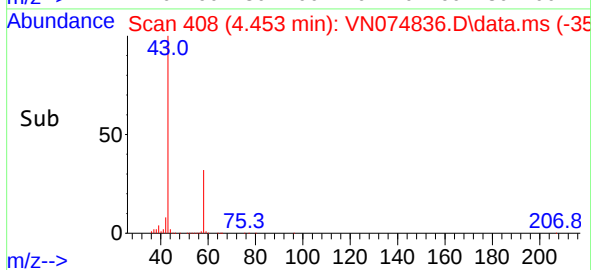
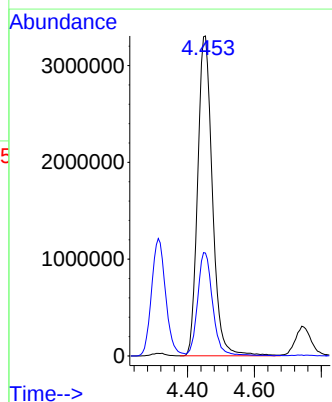
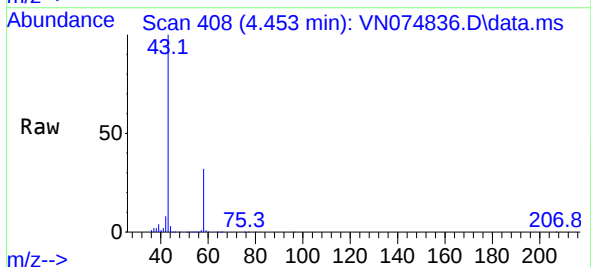


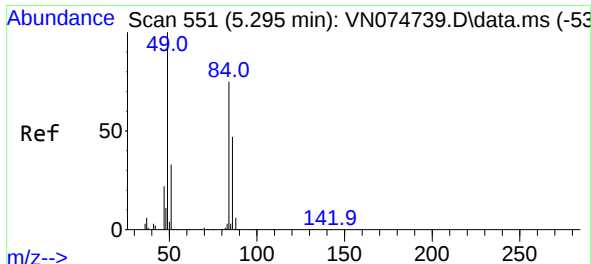
Tgt Ion: 56 Resp: 18069
Ion Ratio Lower Upper
56 100
55 80.0 54.9 82.3



#16
Acetone
Concen: 1894.876 ug/l
RT: 4.453 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

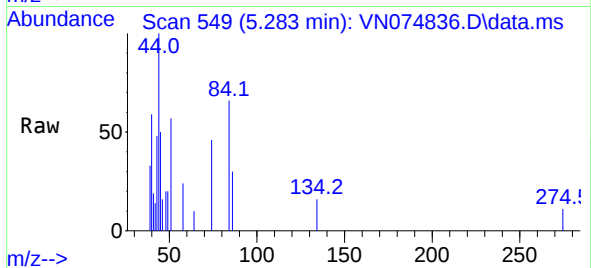
Tgt Ion: 43 Resp:10111391
Ion Ratio Lower Upper
43 100
58 32.1 24.9 37.3





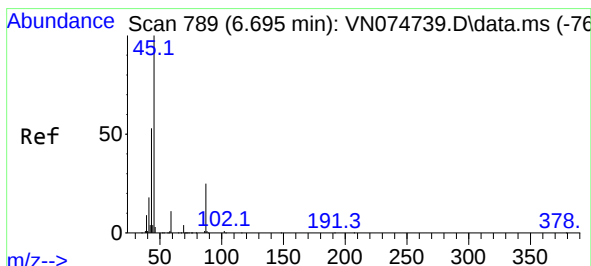
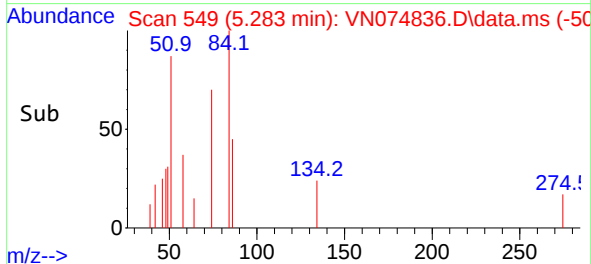
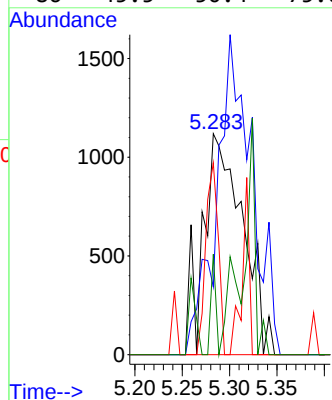
#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 3263

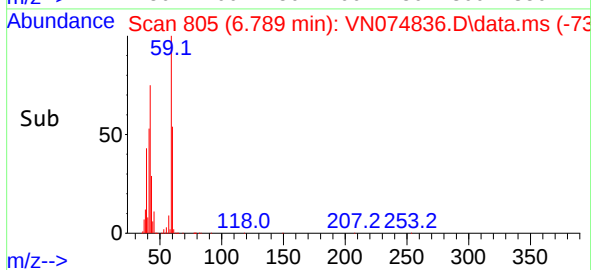
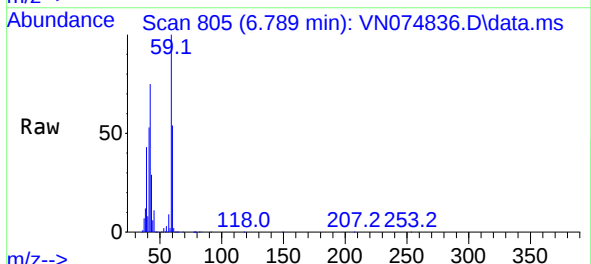
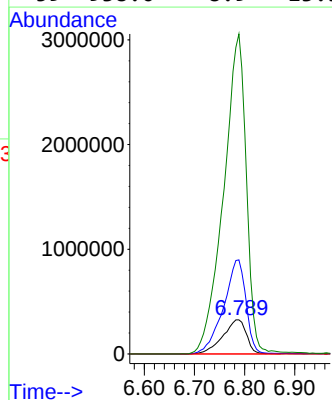
Ion	Ratio	Lower	Upper
84	100		
49	30.7	107.4	161.0#
51	86.9	35.1	52.7#
86	45.5	50.4	75.6#

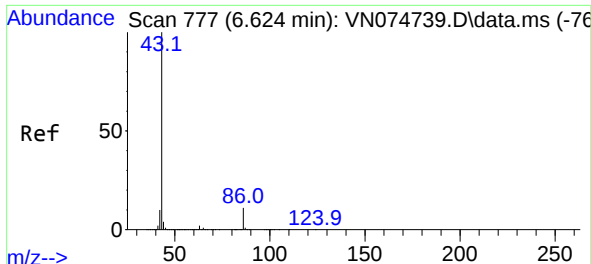


#22
Diisopropyl ether
Concen: 31.883 ug/l
RT: 6.789 min Scan# 805
Delta R.T. 0.094 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Tgt Ion: 45 Resp: 1073428

Ion	Ratio	Lower	Upper
45	100		
43	275.7	42.7	64.1#
87	0.0	19.6	29.4#
59	938.0	8.9	13.3#

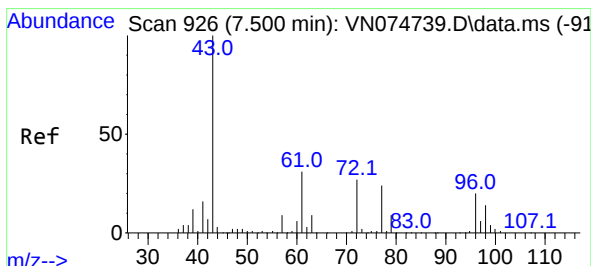
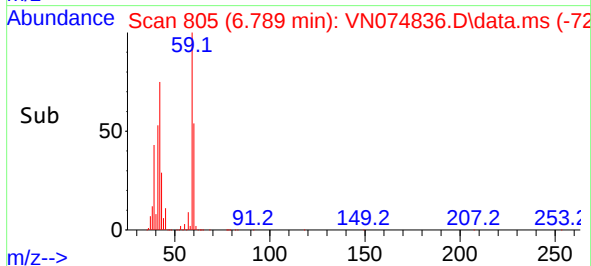
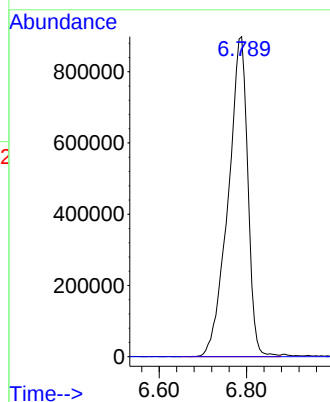
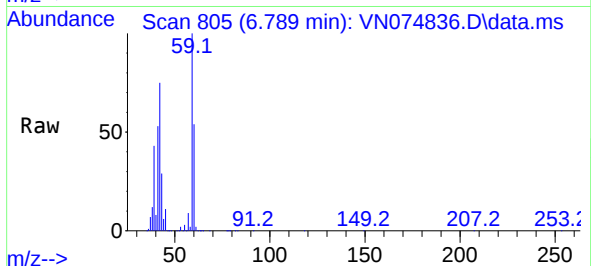




#23
 Vinyl Acetate
 Concen: 101.246 ug/l
 RT: 6.789 min Scan# 80
 Delta R.T. 0.165 min
 Lab File: VN074836.D
 Acq: 10 Oct 2022 17:01

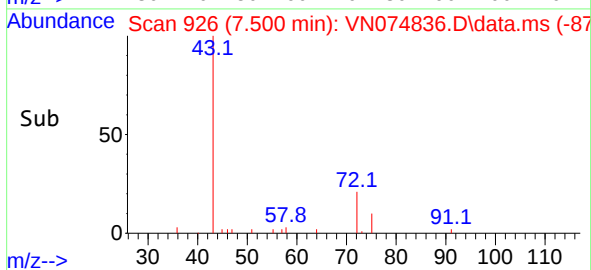
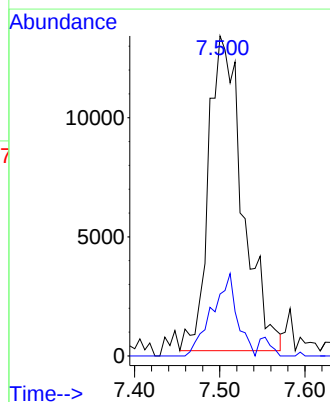
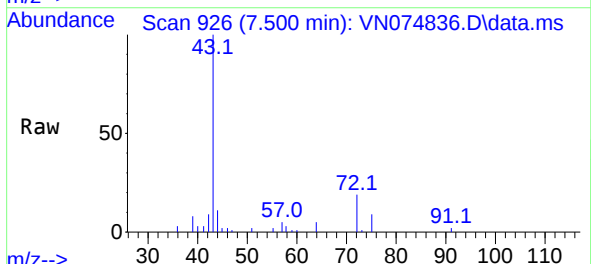
Instrument :
 MSVOA_N
 ClientSampleId :

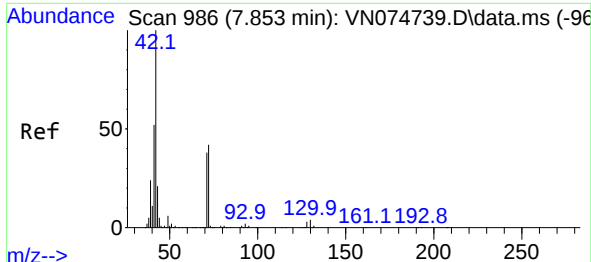
Tgt Ion: 43 Resp: 2799999
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#25
 2-Butanone
 Concen: 3.802 ug/l
 RT: 7.500 min Scan# 926
 Delta R.T. -0.000 min
 Lab File: VN074836.D
 Acq: 10 Oct 2022 17:01

Tgt Ion: 43 Resp: 36816
 Ion Ratio Lower Upper
 43 100
 72 19.7 21.4 32.0#





#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 7.830 min Scan# 91

Delta R.T. -0.024 min

Lab File: VN074836.D

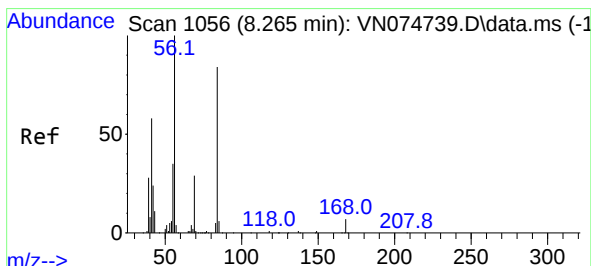
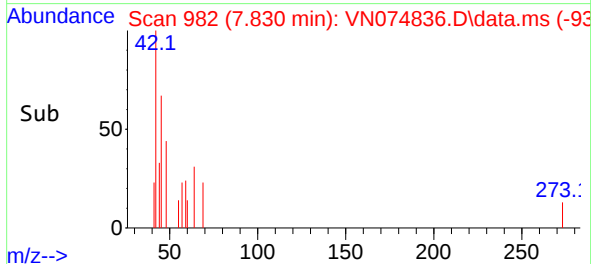
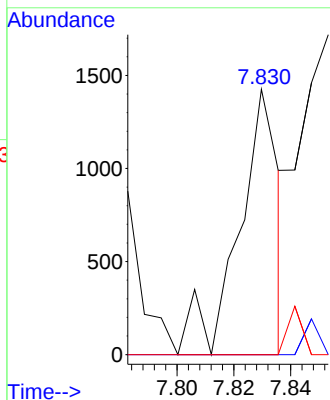
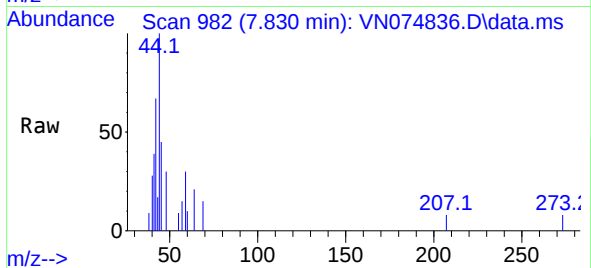
Acq: 10 Oct 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	1413
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.0	49.6#
71	6.5	30.4	45.6#



#31

Cyclohexane

Concen: 0.811 ug/l

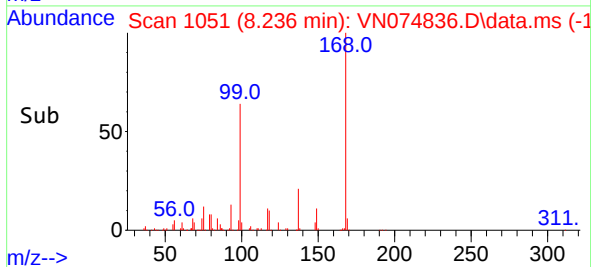
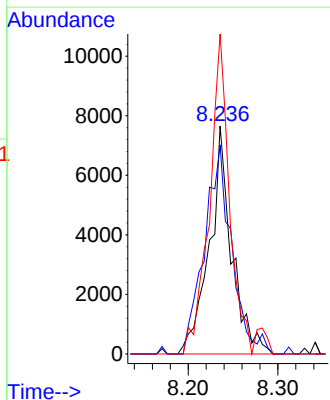
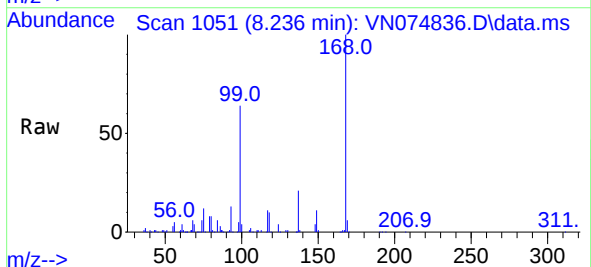
RT: 8.236 min Scan# 1051

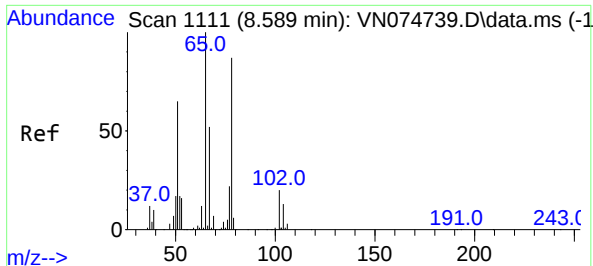
Delta R.T. -0.029 min

Lab File: VN074836.D

Acq: 10 Oct 2022 17:01

Tgt Ion:	56	Resp:	13198
Ion	Ratio	Lower	Upper
56	100		
69	91.7	23.1	34.7#
84	140.4	67.1	100.7#

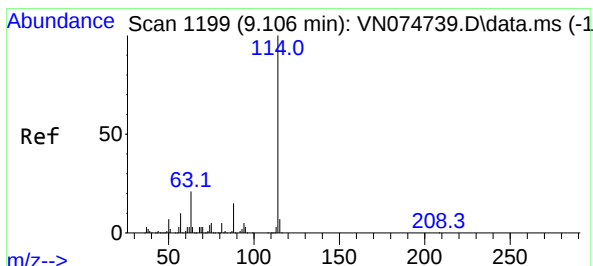
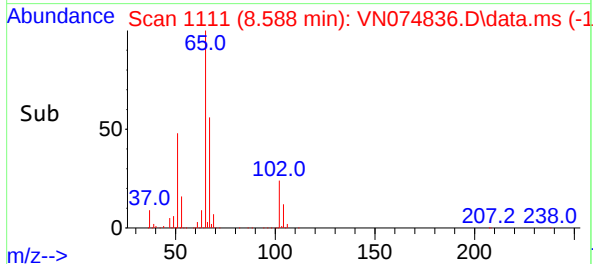
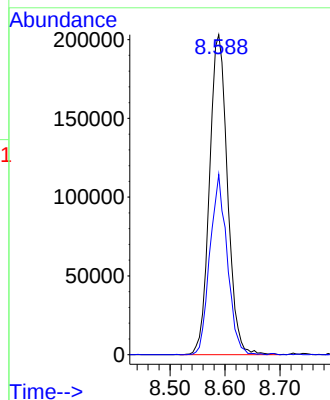
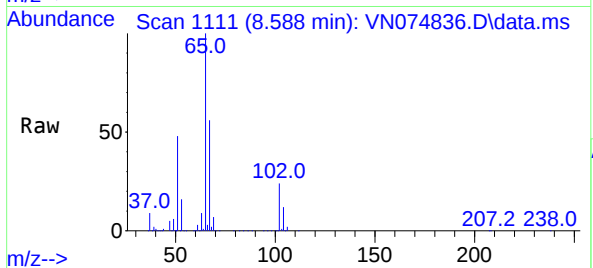




#33
1,2-Dichloroethane-d4
Concen: 49.076 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

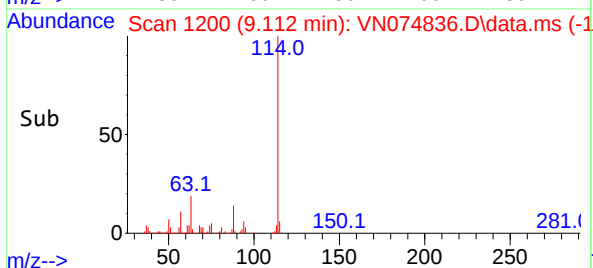
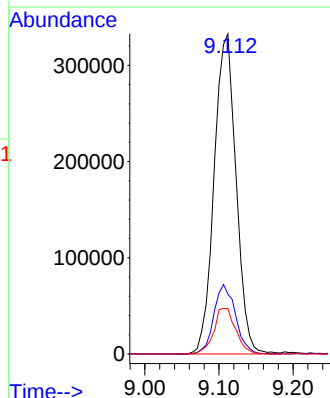
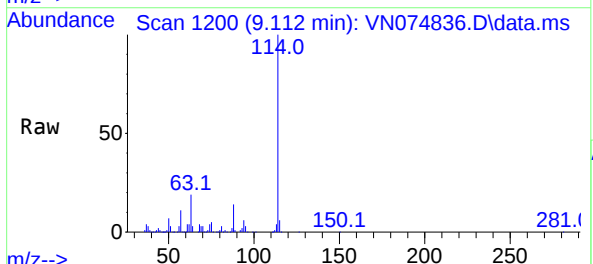
Instrument :
MSVOA_N
ClientSampleId :

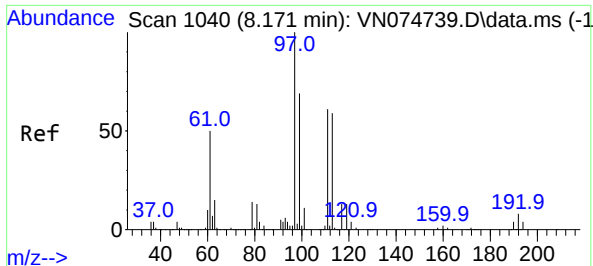
Tgt Ion: 65 Resp: 462111
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

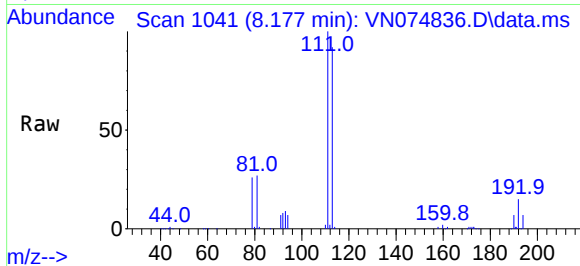
Tgt Ion:114 Resp: 684389
Ion Ratio Lower Upper
114 100
63 18.7 0.0 41.2
88 14.1 0.0 30.2



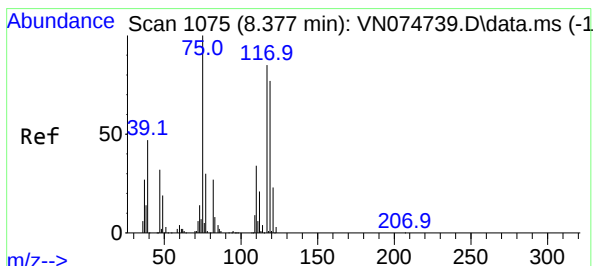
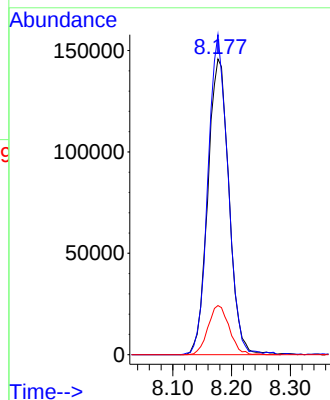
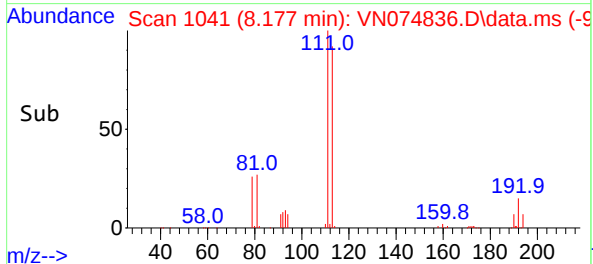


#35
Dibromofluoromethane
Concen: 52.652 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

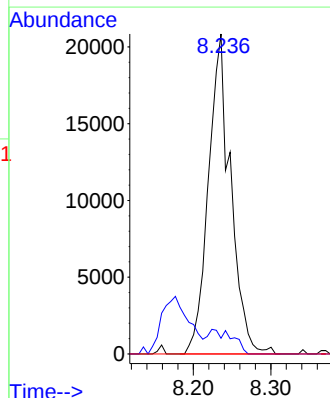
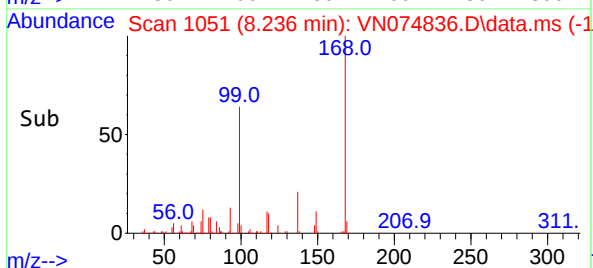
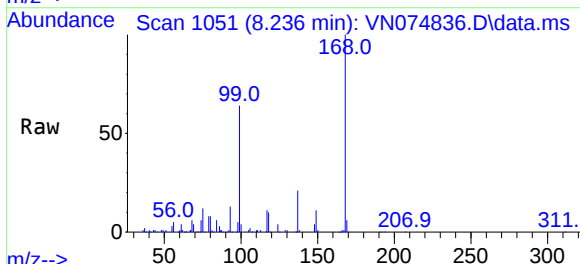


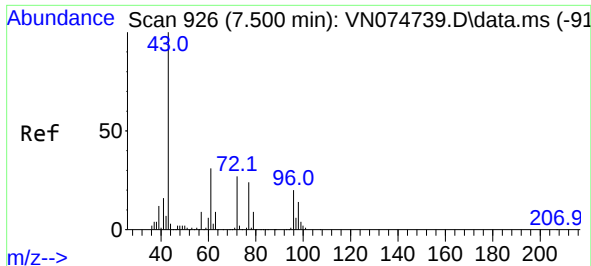
Tgt Ion:113 Resp: 364076
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.6
192 16.6 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.707 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

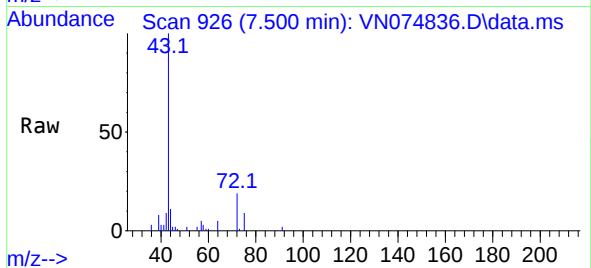
Tgt Ion: 75 Resp: 41488
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.5#
77 0.0 24.3 36.5#



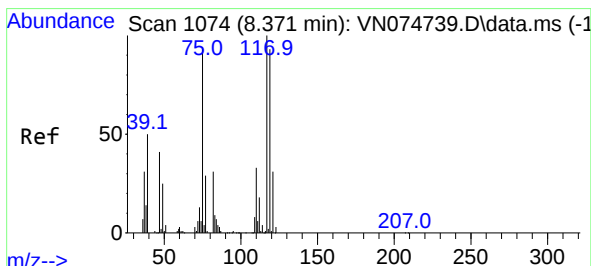
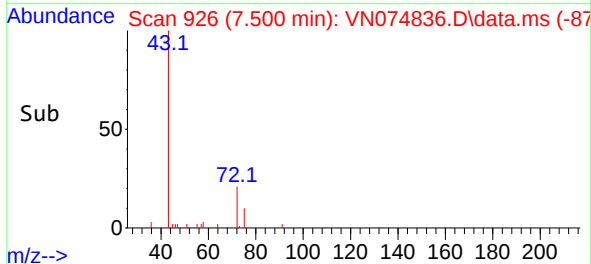
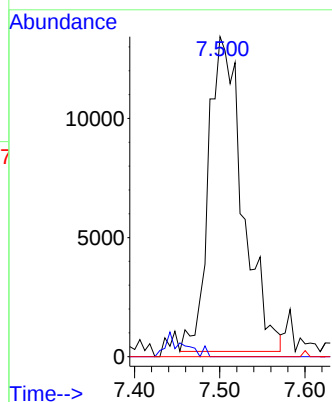


#37
Ethyl Acetate
Concen: 0.820 ug/l
RT: 7.500 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

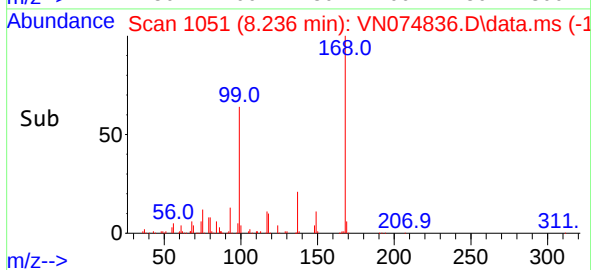
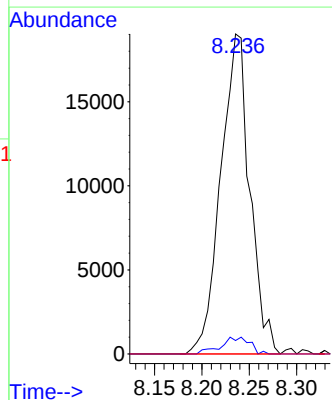
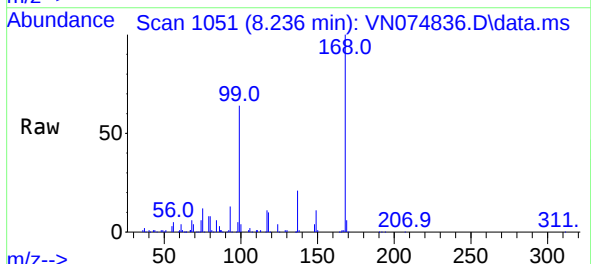


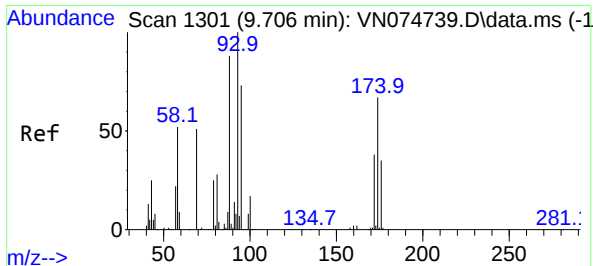
Tgt Ion: 43 Resp: 36816
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 3.849 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.135 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

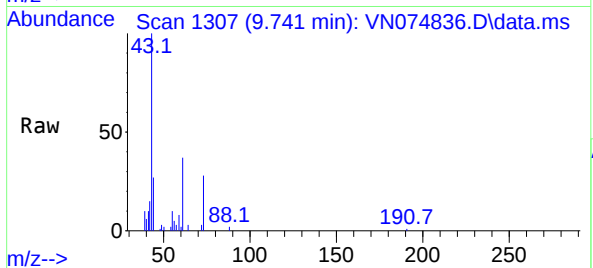
Tgt Ion: 117 Resp: 40622
Ion Ratio Lower Upper
117 100
119 4.2 74.3 111.5#
121 0.0 25.0 37.4#



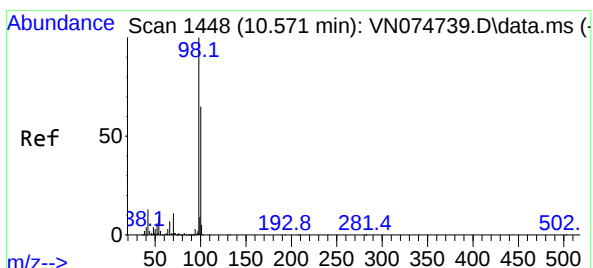
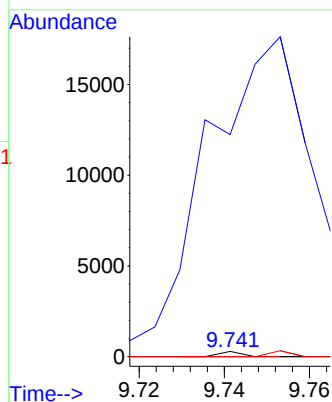
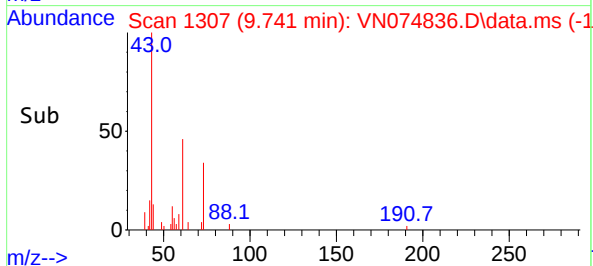


#49
1,4-Dioxane
Concen: 0.409 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

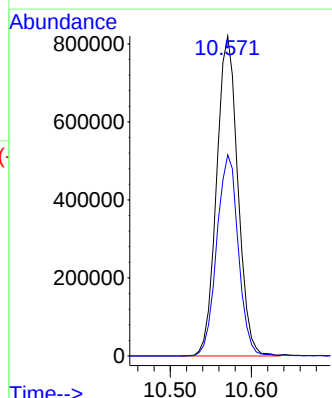
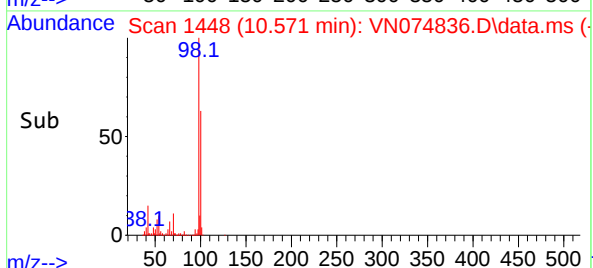
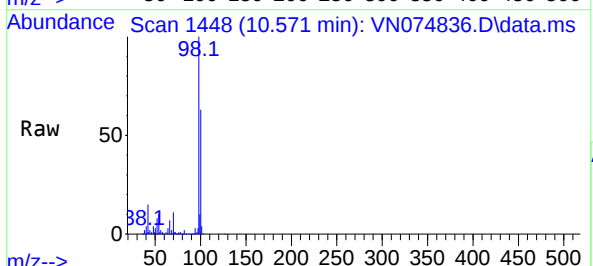


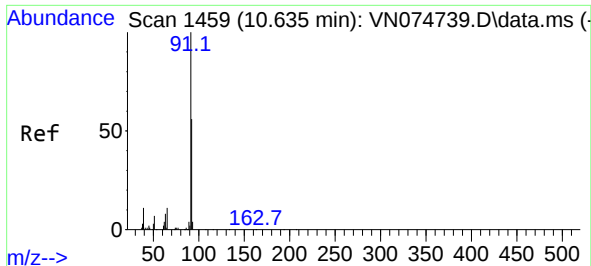
Tgt Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 30632.7 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 50.336 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Tgt Ion: 98 Resp: 1493507
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1

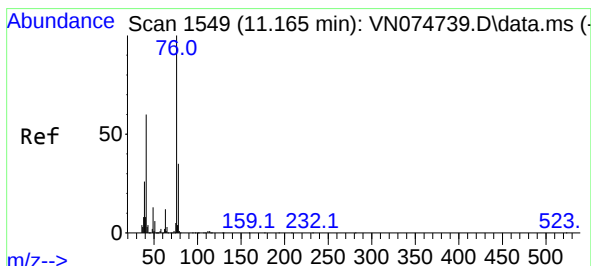
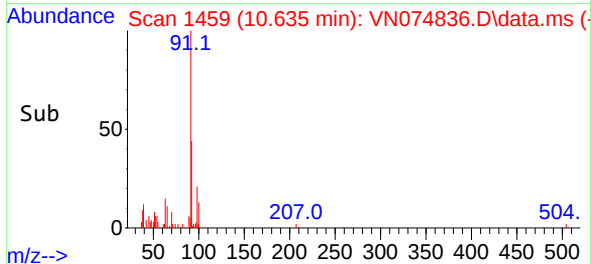
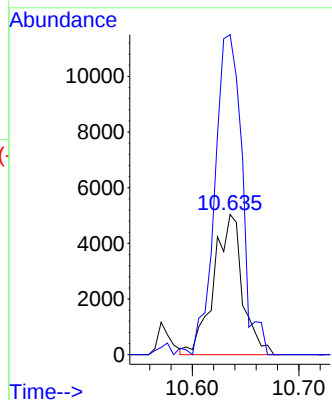
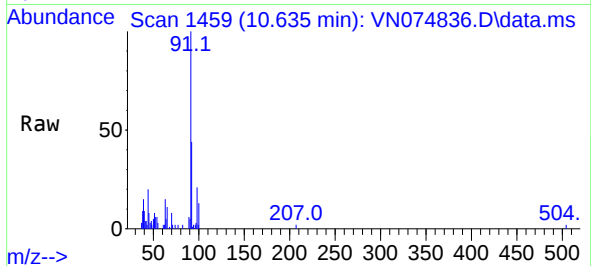




#52
Toluene
Concen: 0.433 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

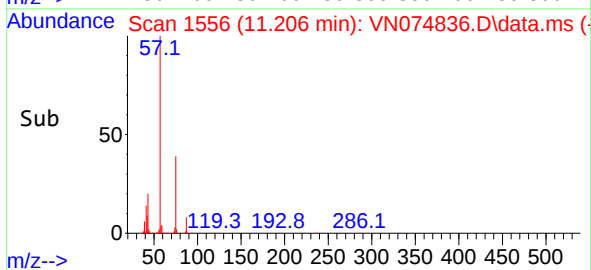
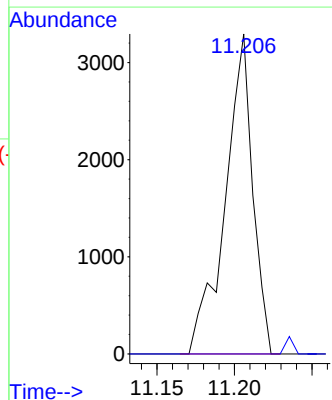
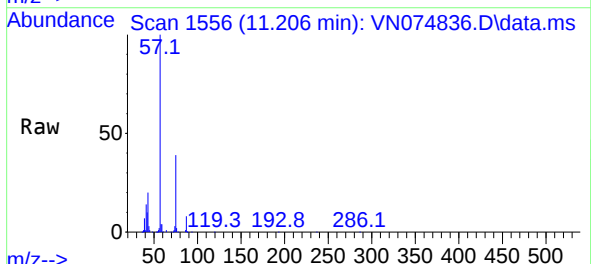
Instrument :
MSVOA_N
ClientSampleId :

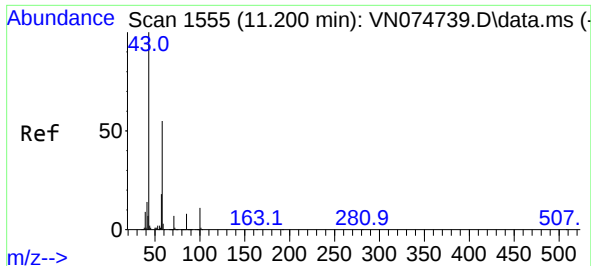
Tgt Ion: 92 Resp: 9432
Ion Ratio Lower Upper
92 100
91 215.6 140.2 210.4#



#57
1,3-Dichloropropane
Concen: 0.258 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Tgt Ion: 76 Resp: 4072
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

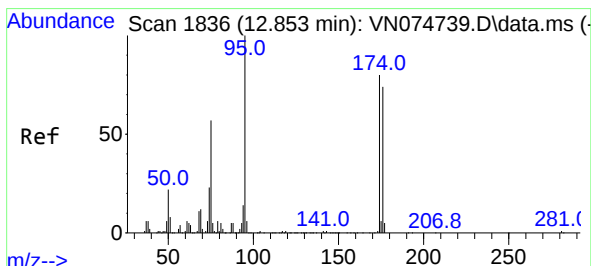
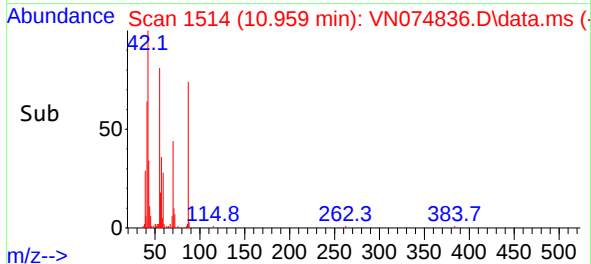
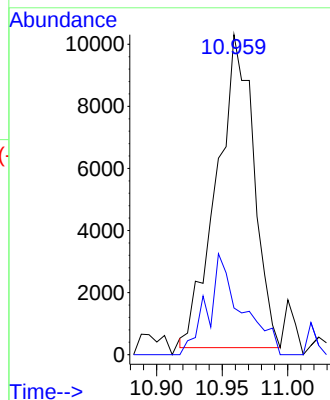
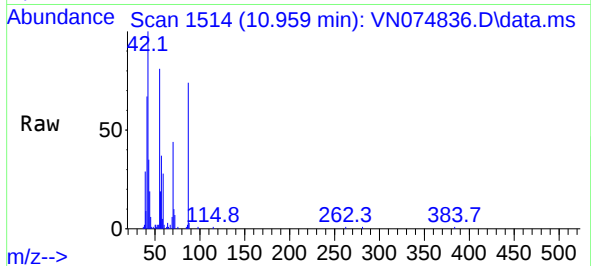




#59
2-Hexanone
Concen: 1.464 ug/l
RT: 10.959 min Scan# 11
Delta R.T. -0.241 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

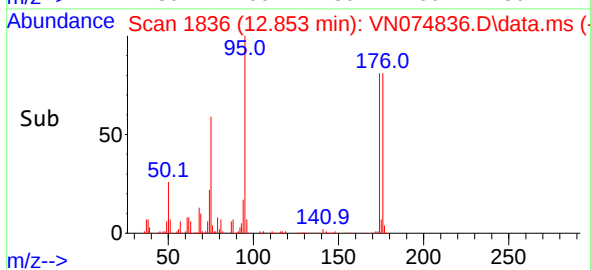
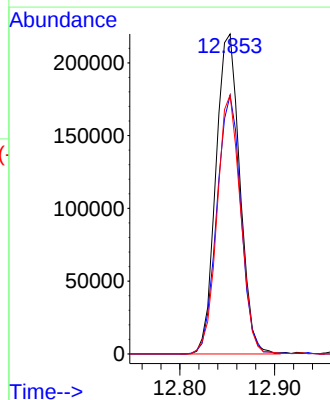
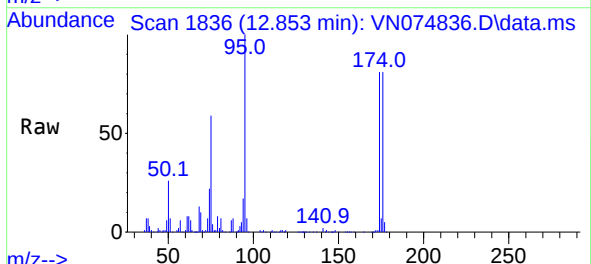
Instrument :
MSVOA_N
ClientSampleId :

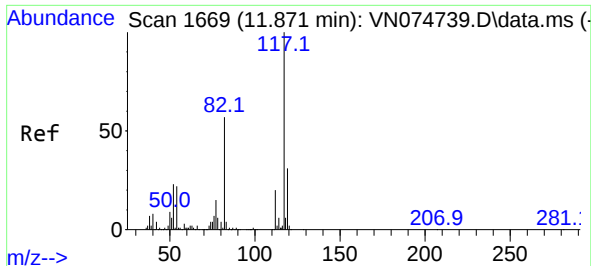
Tgt Ion: 43 Resp: 19780
Ion Ratio Lower Upper
43 100
58 29.6 27.3 81.9



#62
4-Bromofluorobenzene
Concen: 42.906 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Tgt Ion: 95 Resp: 386985
Ion Ratio Lower Upper
95 100
174 80.9 0.0 149.4
176 79.0 0.0 142.0

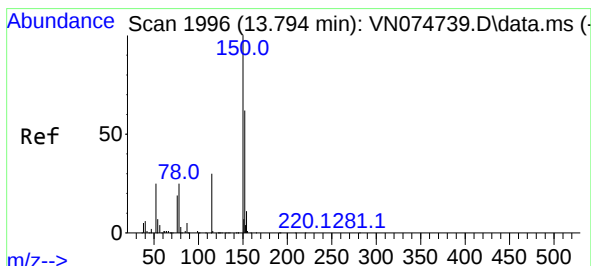
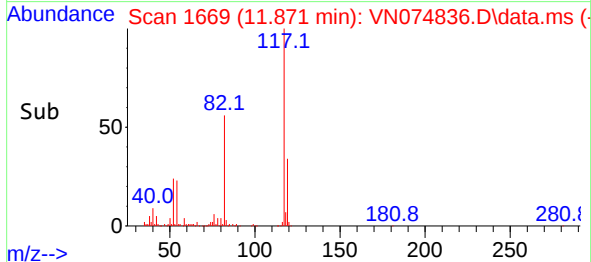
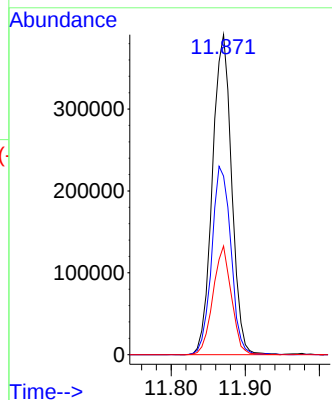
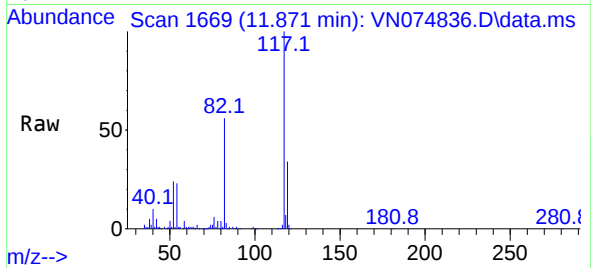




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

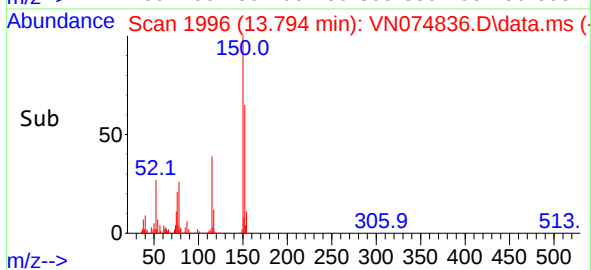
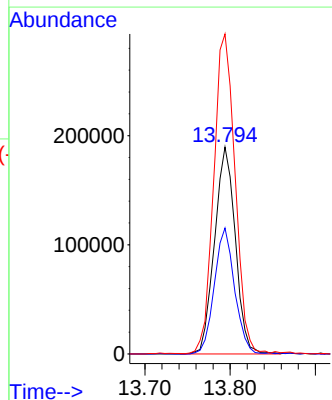
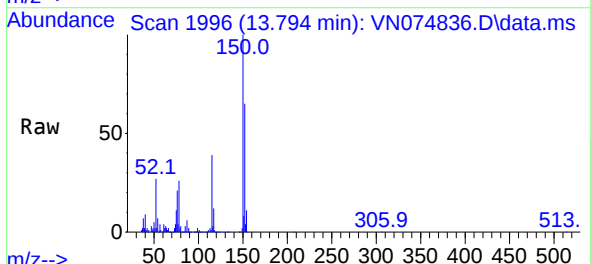
Instrument :
MSVOA_N
ClientSampleId :

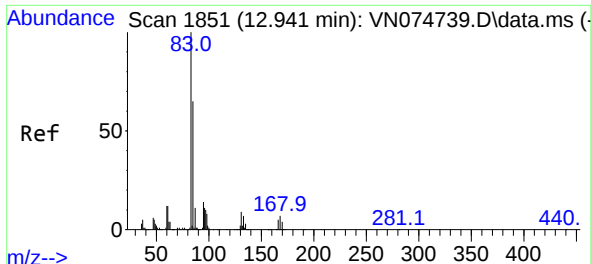
Tgt Ion:117 Resp: 704155
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.2
119 34.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Tgt Ion:152 Resp: 322219
Ion Ratio Lower Upper
152 100
115 59.1 30.0 90.0
150 158.1 0.0 356.4

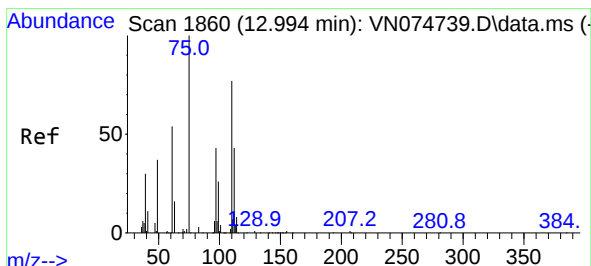
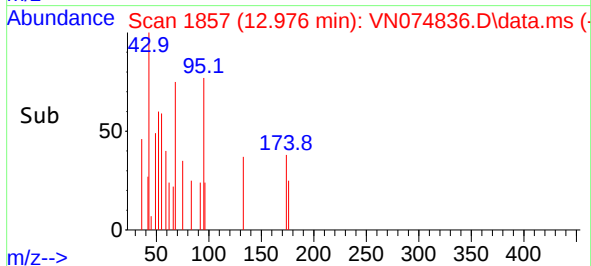
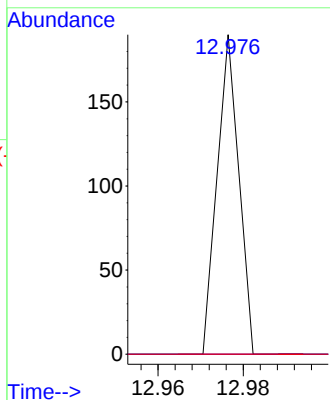
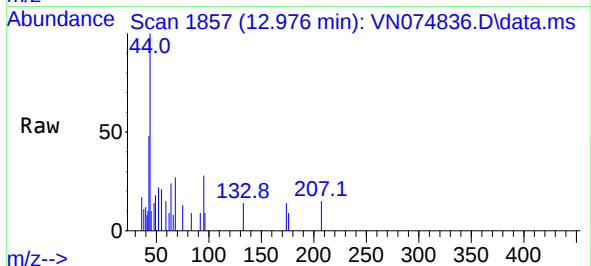




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.976 min Scan# 1857
Delta R.T. 0.035 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

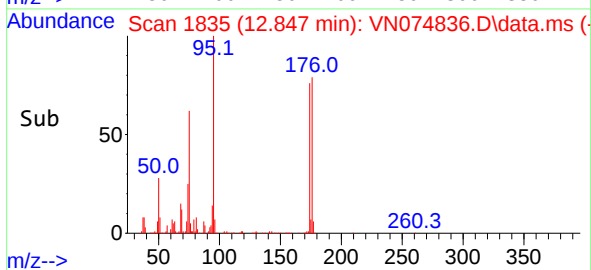
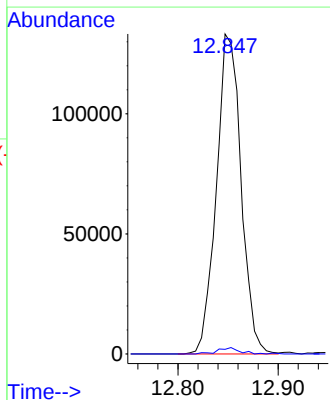
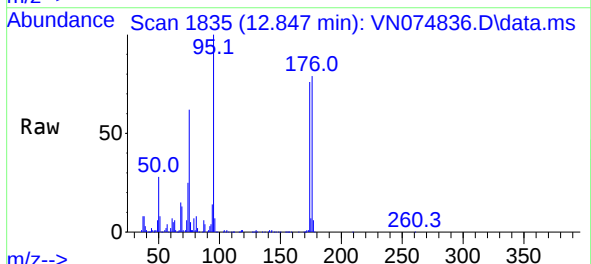
Instrument :
MSVOA_N
ClientSampleId :

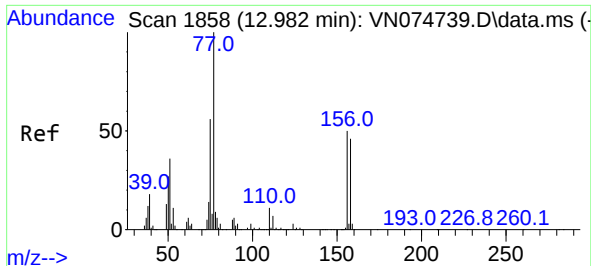
Tgt Ion: 83 Resp: 67
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 23.646 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Tgt Ion: 75 Resp: 227414
Ion Ratio Lower Upper
75 100
77 1.7 76.9 230.7#

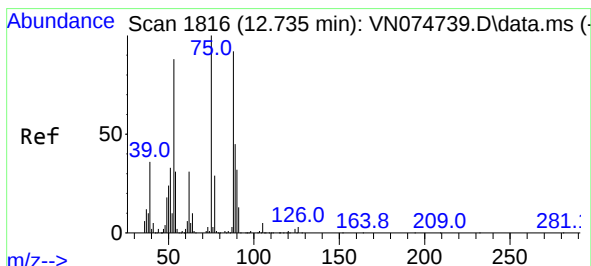
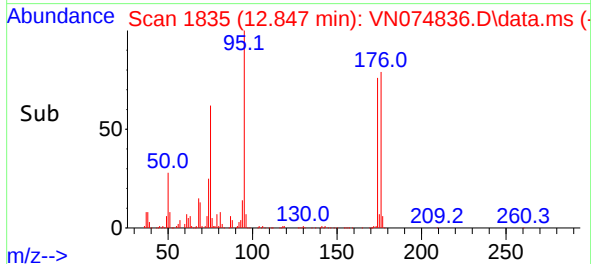
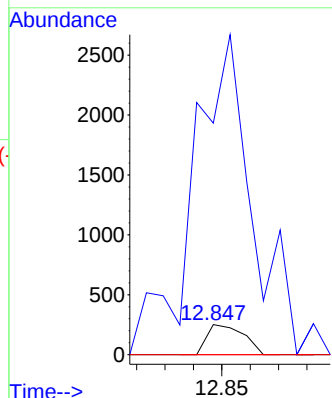
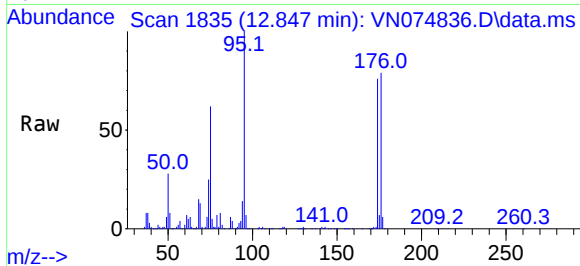




#77
Bromobenzene
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.135 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

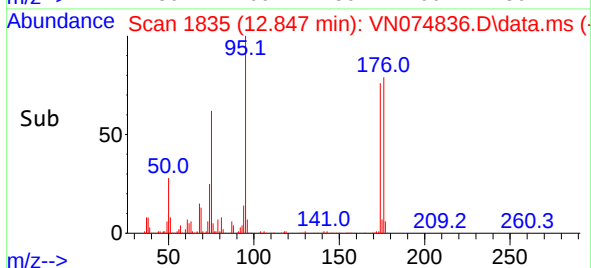
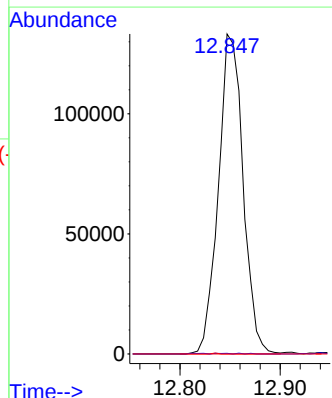
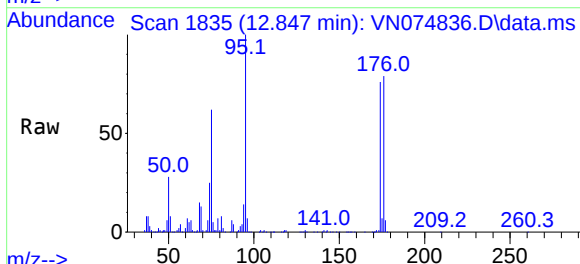
Instrument :
MSVOA_N
ClientSampleId :

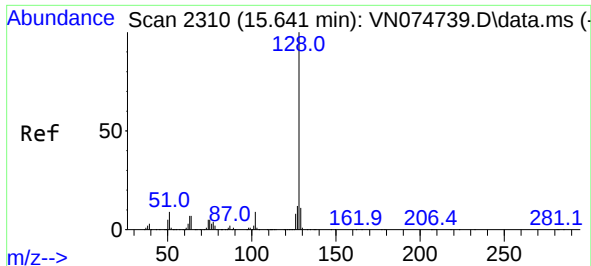
Tgt Ion:156 Resp: 224
Ion Ratio Lower Upper
156 100
77 1758.0 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.071 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Tgt Ion: 75 Resp: 227414
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.0 32.1 48.1#

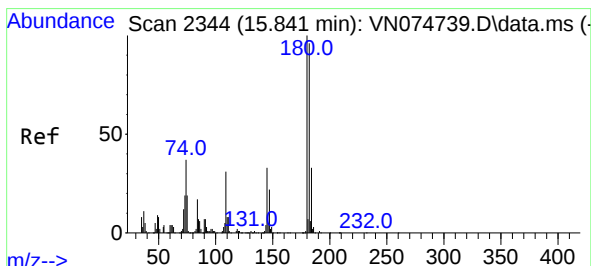
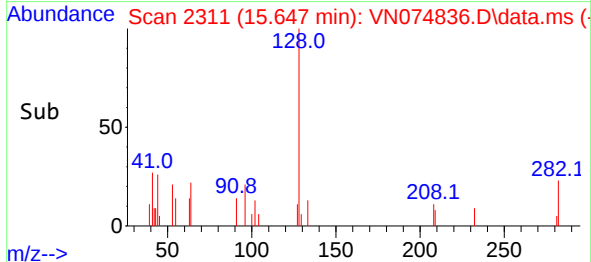
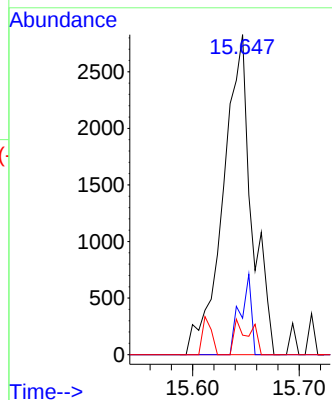
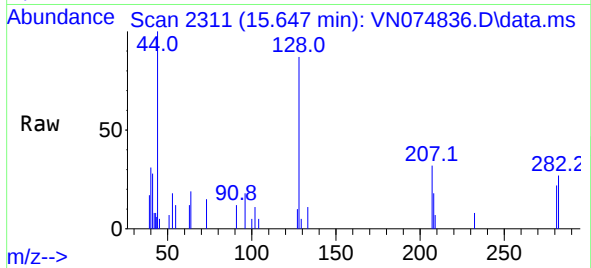




#95
Naphthalene
Concen: 0.235 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 5266
Ion Ratio Lower Upper
128 100
127 9.8 10.2 15.2#
129 6.2 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.853 min Scan# 2346
Delta R.T. 0.012 min
Lab File: VN074836.D
Acq: 10 Oct 2022 17:01

Tgt Ion:180 Resp: 66
Ion Ratio Lower Upper
180 100
182 139.4 47.3 142.0
145 0.0 17.1 51.2#

