

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074834.D
 Acq On : 10 Oct 2022 16:12
 Operator : JC\MD
 Sample : N4894-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:25:51 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)

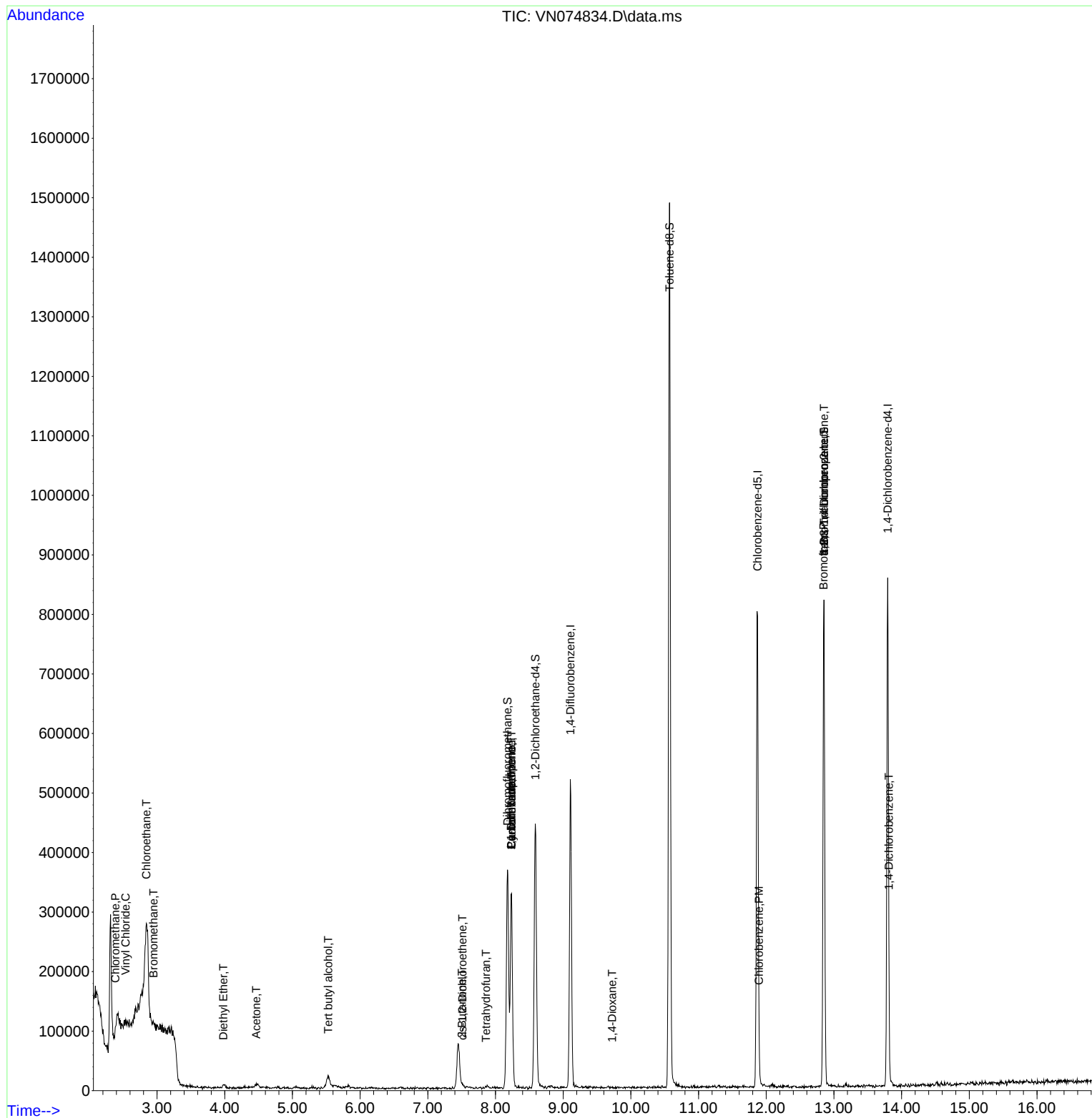
Internal Standards						
1) Pentafluorobenzene	8.236	168	231554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	439336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	446798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	332056	60.523	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.040%			
35) Dibromofluoromethane	8.177	113	257079	57.916	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.840%			
50) Toluene-d8	10.571	98	1028643	54.006	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.020%			
62) 4-Bromofluorobenzene	12.853	95	255544	44.136	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.280%			
Target Compounds					Qvalue	
3) Chloromethane	2.383	50	2164	0.306	ug/l #	78
4) Vinyl Chloride	2.536	62	6060	0.693	ug/l #	57
5) Bromomethane	2.948	94	1280	0.208	ug/l #	13
6) Chloroethane	2.842	64	197640	30.550	ug/l #	49
8) Diethyl Ether	3.977	74	1411	0.392	ug/l #	1
11) Tert butyl alcohol	5.530	59	18922	10.297	ug/l #	81
13) Acrolein	4.200	56	440	Below Cal	#	15
16) Acetone	4.465	43	7436	2.392	ug/l #	70
20) Methylene Chloride	5.300	84	763	Below Cal	#	3
25) 2-Butanone	7.506	43	1540	0.273	ug/l #	48
27) cis-1,2-Dichloroethene	7.512	96	2047	0.358	ug/l #	12
29) Tetrahydrofuran	7.859	42	2180	0.554	ug/l #	55
31) Cyclohexane	8.236	56	6428	0.678	ug/l #	12
36) 1,1-Dichloropropene	8.230	75	23406	3.258	ug/l #	49
38) Carbon Tetrachloride	8.236	117	24449	3.608	ug/l #	20
49) 1,4-Dioxane	9.724	88	72	0.454	ug/l #	1
65) Chlorobenzene	11.894	112	7287	0.532	ug/l	89
71) Bromoform	12.847	173	2748	0.721	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.006	83	128	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	151160	23.785	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151160	46.341	ug/l #	14
88) 1,4-Dichlorobenzene	13.812	146	2813	0.366	ug/l #	1

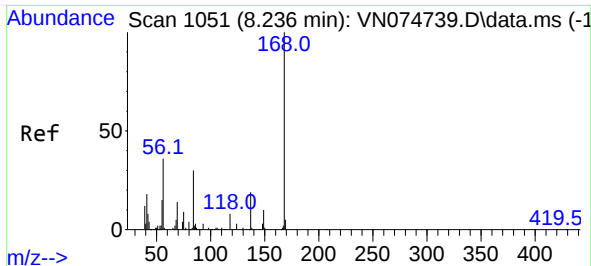
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

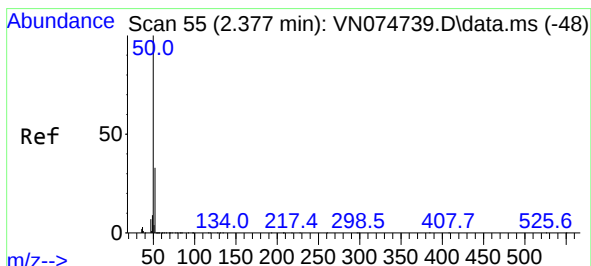
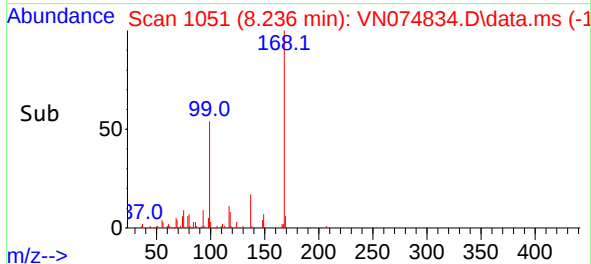
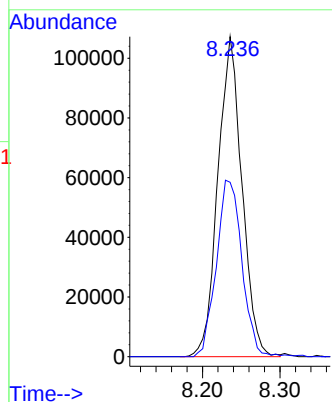
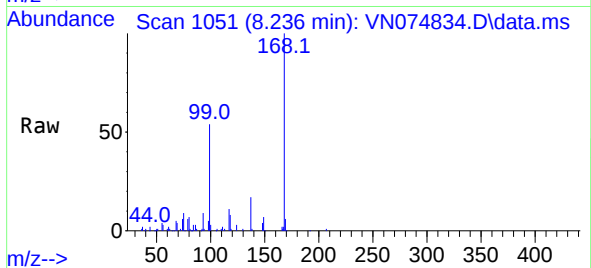




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

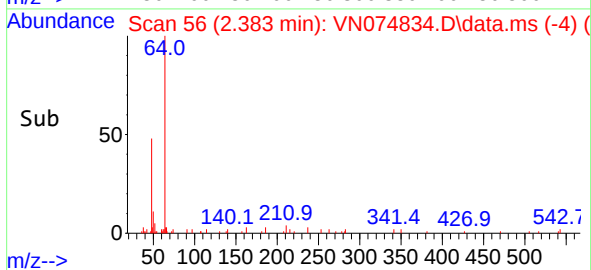
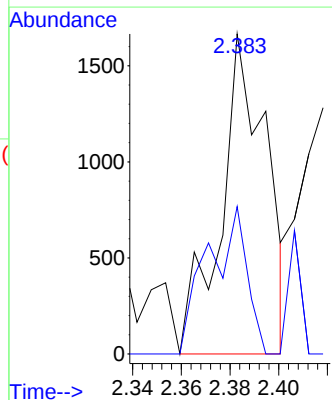
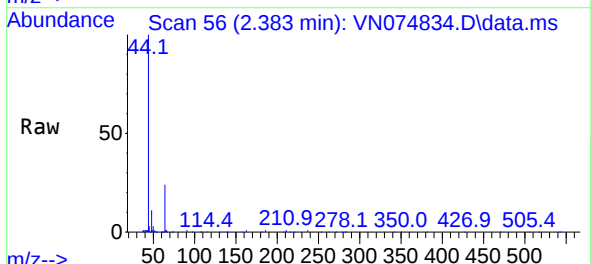
Instrument :
MSVOA_N
ClientSampleId :

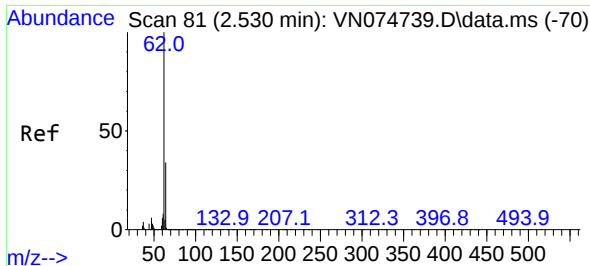
Tgt Ion:168 Resp: 231554
Ion Ratio Lower Upper
168 100
99 54.5 42.8 64.2



#3
Chloromethane
Concen: 0.306 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion: 50 Resp: 2164
Ion Ratio Lower Upper
50 100
52 46.0 26.7 40.1#

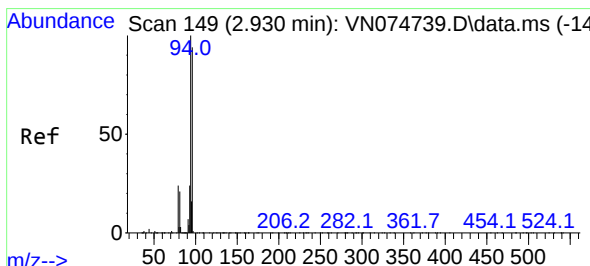
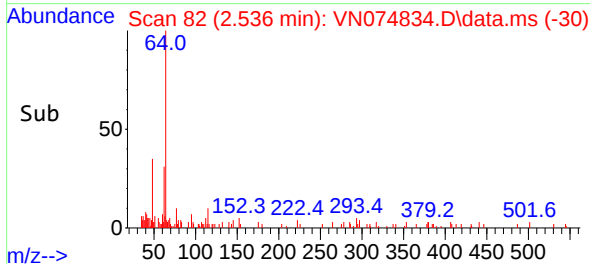
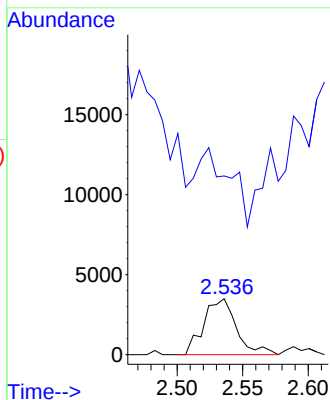
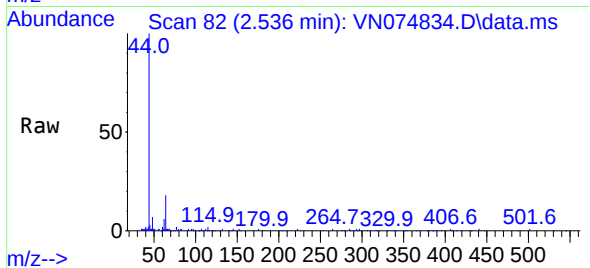




#4
 Vinyl Chloride
 Concen: 0.693 ug/l
 RT: 2.536 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VN074834.D
 Acq: 10 Oct 2022 16:12

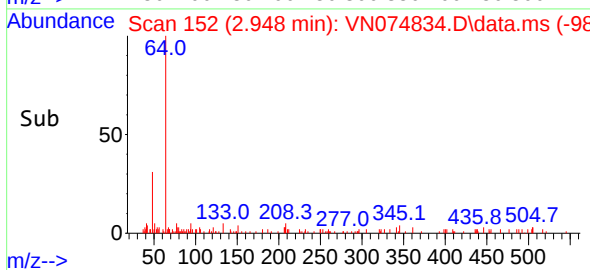
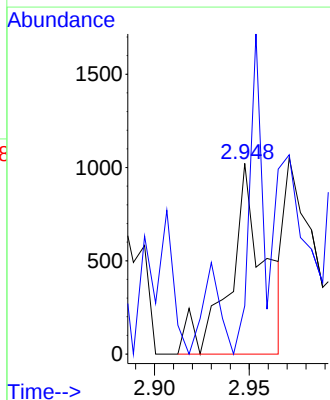
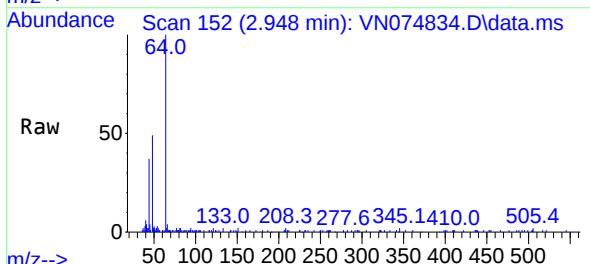
Instrument :
 MSVOA_N
 ClientSampleId :

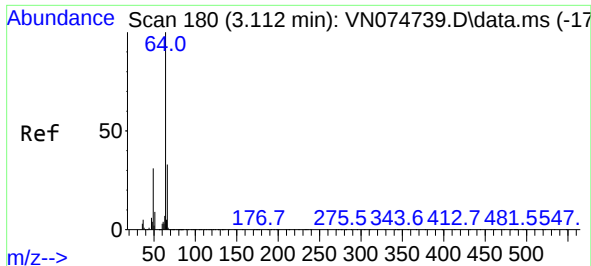
Tgt Ion: 62 Resp: 6060
 Ion Ratio Lower Upper
 62 100
 64 9.4 27.4 41.2#



#5
 Bromomethane
 Concen: 0.208 ug/l
 RT: 2.948 min Scan# 152
 Delta R.T. 0.018 min
 Lab File: VN074834.D
 Acq: 10 Oct 2022 16:12

Tgt Ion: 94 Resp: 1280
 Ion Ratio Lower Upper
 94 100
 96 10.2 75.0 112.6#

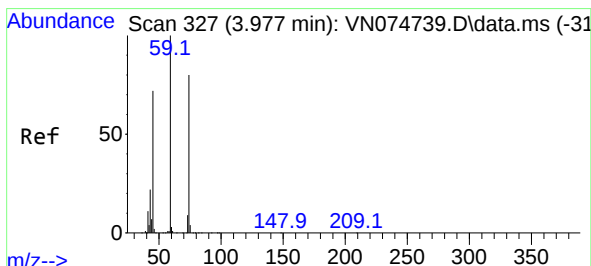
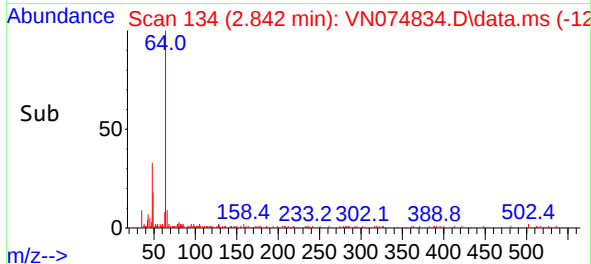
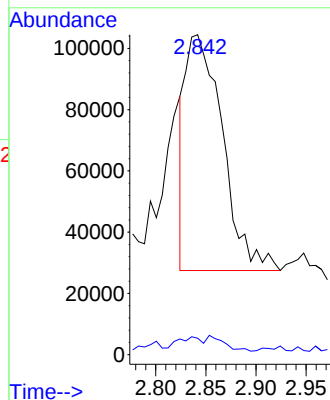
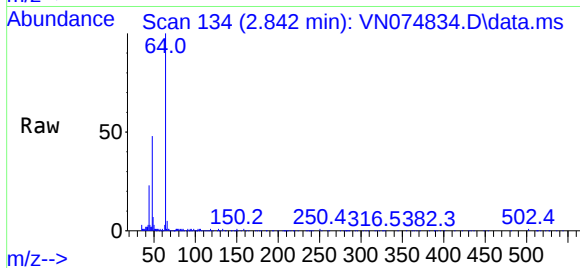




#6
Chloroethane
Concen: 30.550 ug/l
RT: 2.842 min Scan# 11
Delta R.T. -0.271 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

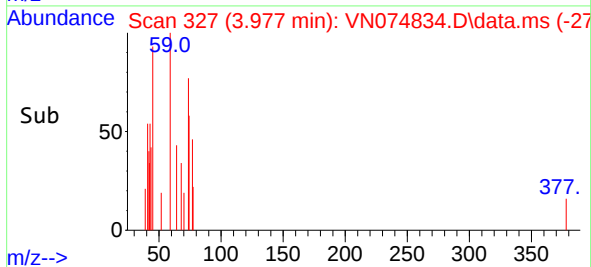
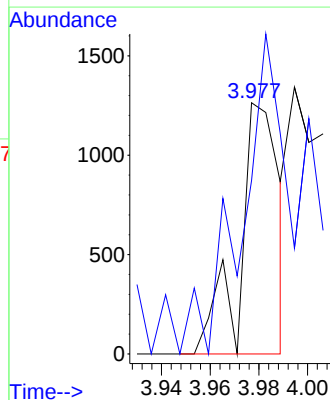
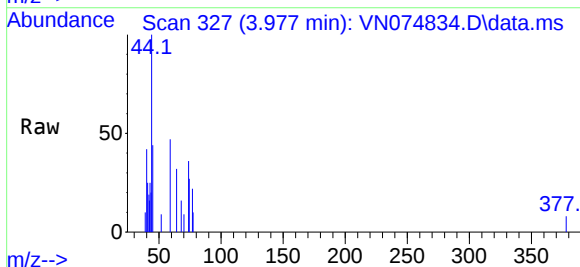
Instrument :
MSVOA_N
ClientSampleId :

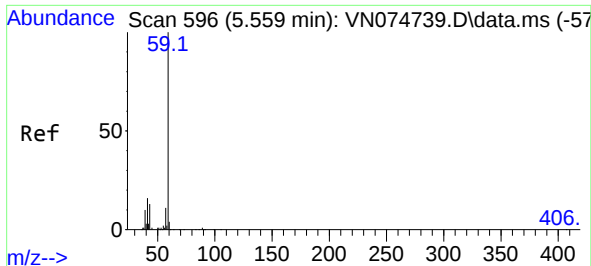
Tgt Ion: 64 Resp: 197640
Ion Ratio Lower Upper
64 100
66 3.3 25.1 37.7#



#8
Diethyl Ether
Concen: 0.392 ug/l
RT: 3.977 min Scan# 327
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion: 74 Resp: 1411
Ion Ratio Lower Upper
74 100
45 210.8 48.2 144.6#





#11

Tert butyl alcohol

Concen: 10.297 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.030 min

Lab File: VN074834.D

Acq: 10 Oct 2022 16:12

Instrument :

MSVOA_N

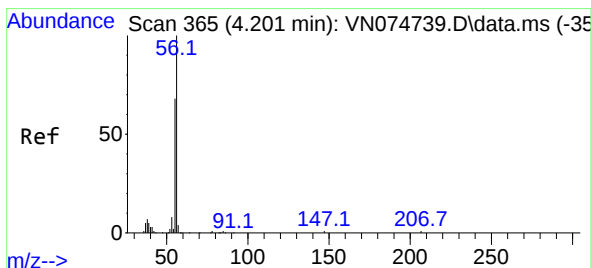
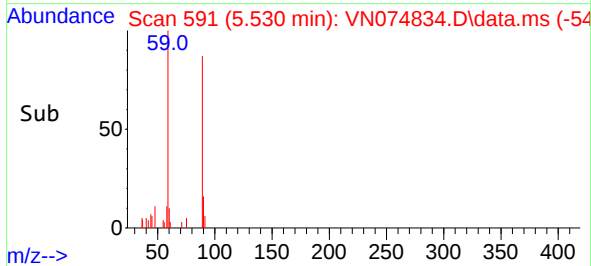
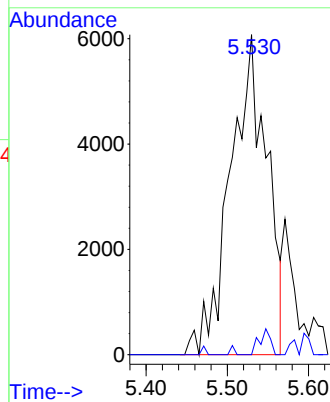
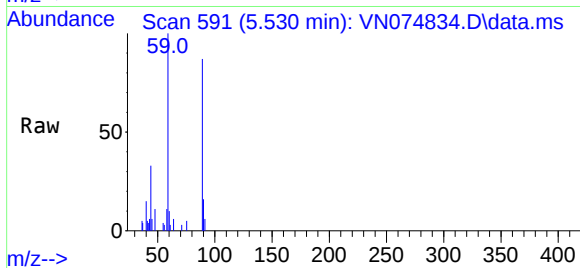
ClientSampleId :

Tgt Ion: 59 Resp: 18922

Ion Ratio Lower Upper

59 100

57 2.5 7.7 11.5#



#13

Acrolein

Concen: Below Cal

RT: 4.200 min Scan# 365

Delta R.T. -0.001 min

Lab File: VN074834.D

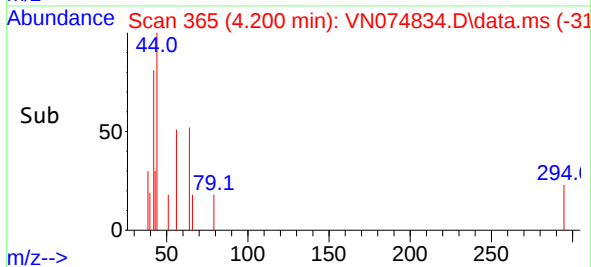
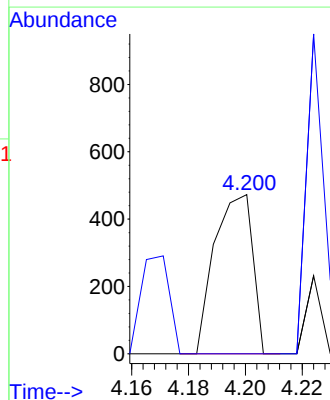
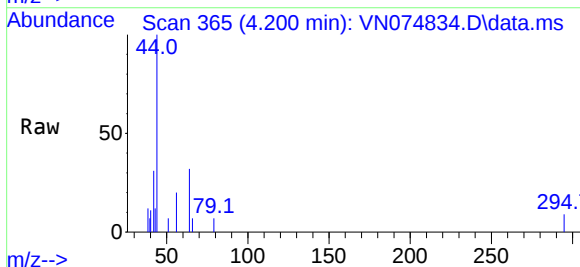
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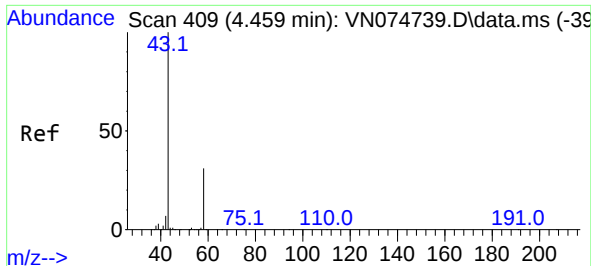
Tgt Ion: 56 Resp: 440

Ion Ratio Lower Upper

56 100

55 0.0 54.9 82.3#

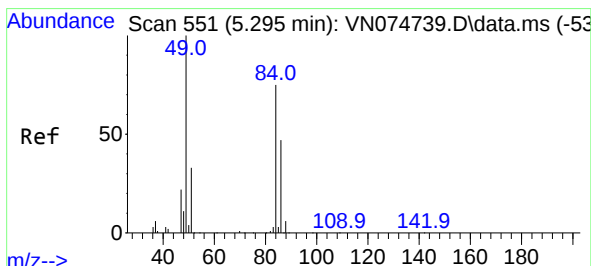
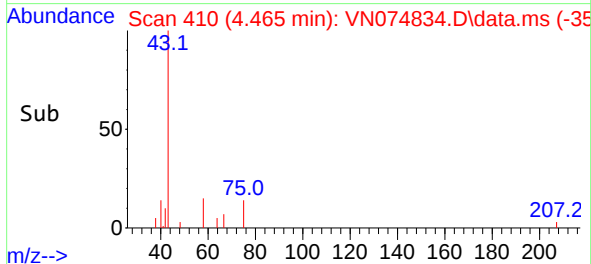
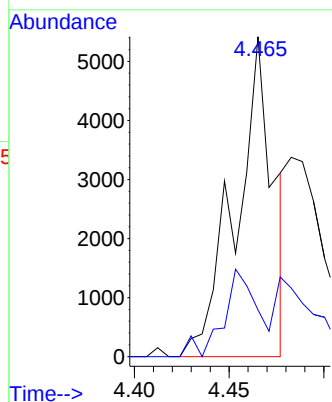
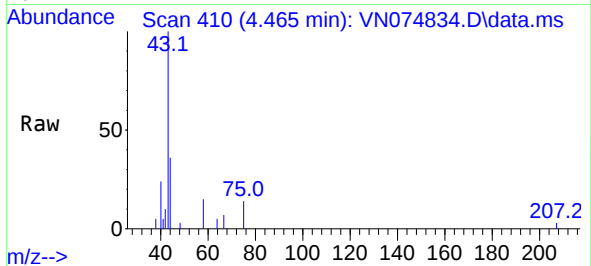




#16
Acetone
Concen: 2.392 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

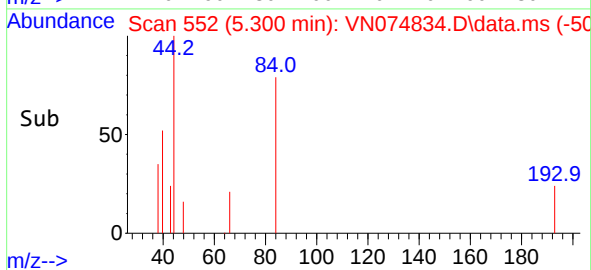
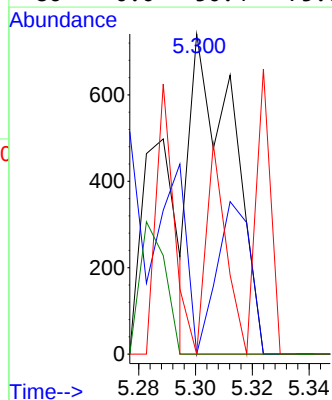
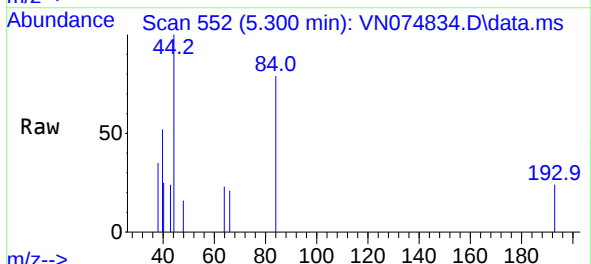
Instrument :
MSVOA_N
ClientSampleId :

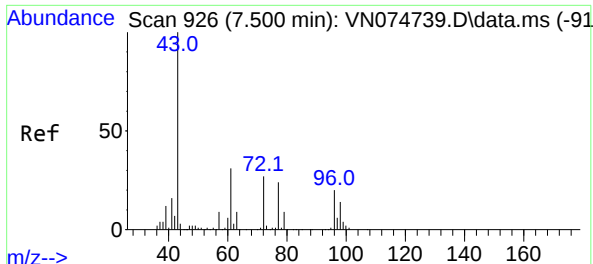
Tgt Ion: 43 Resp: 7436
Ion Ratio Lower Upper
43 100
58 14.7 24.9 37.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion: 84 Resp: 763
Ion Ratio Lower Upper
84 100
49 0.0 107.4 161.0#
51 0.0 35.1 52.7#
86 0.0 50.4 75.6#

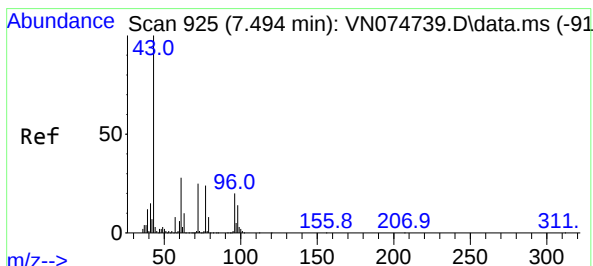
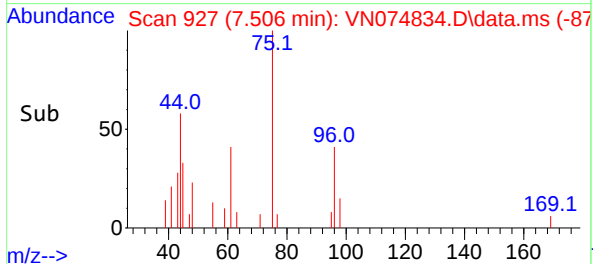
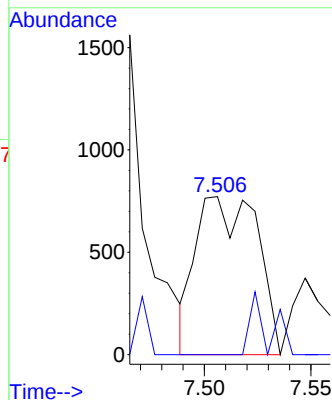
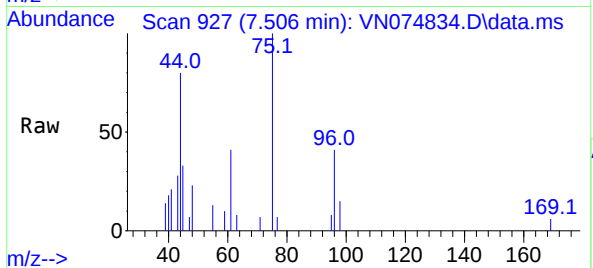




#25
2-Butanone
Concen: 0.273 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

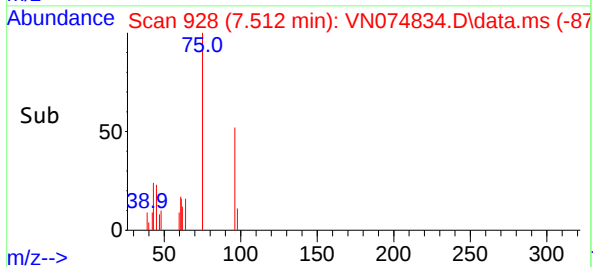
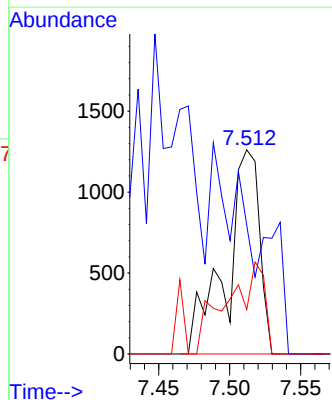
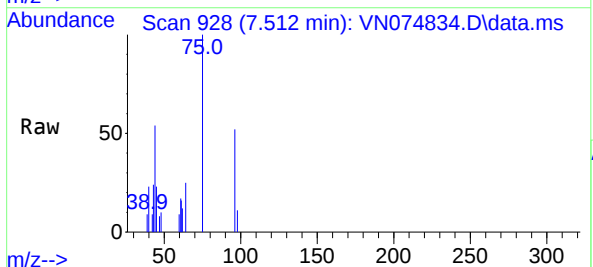
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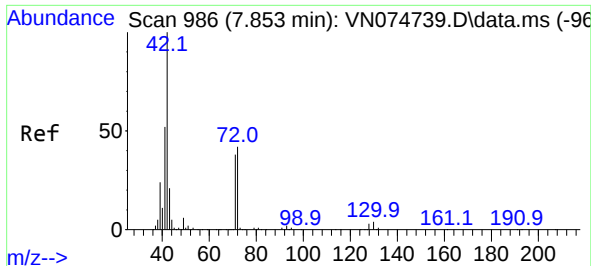
Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#27
cis-1,2-Dichloroethene
Concen: 0.358 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.018 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

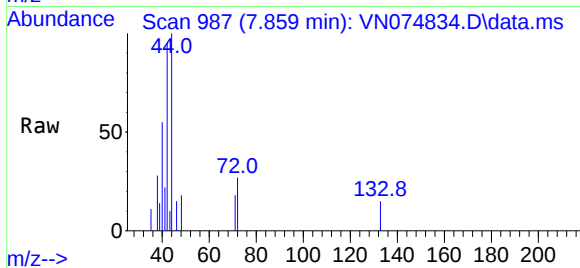
Tgt Ion: 96 Resp: 2047
Ion Ratio Lower Upper
96 100
61 0.0 0.0 303.2
98 51.3 0.0 131.0



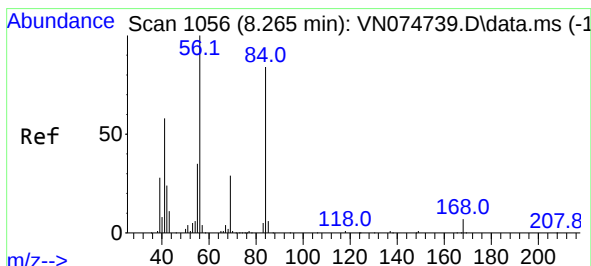
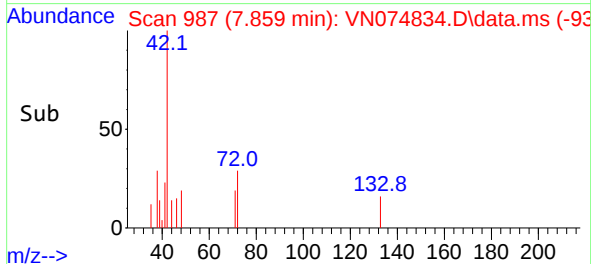
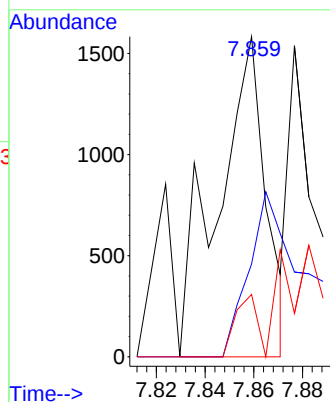


#29
Tetrahydrofuran
Concen: 0.554 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Instrument :
MSVOA_N
ClientSampleId :

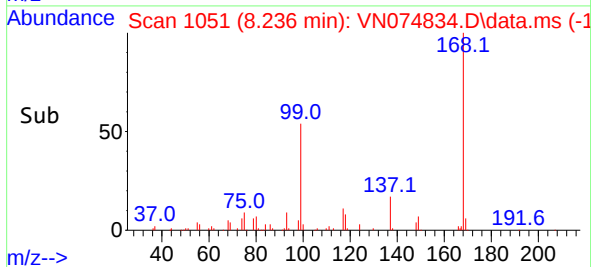
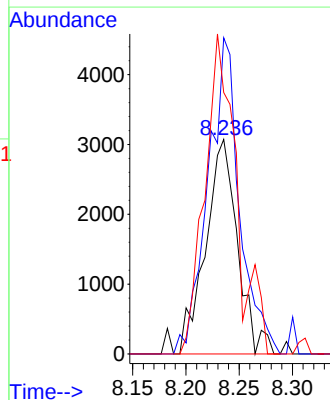
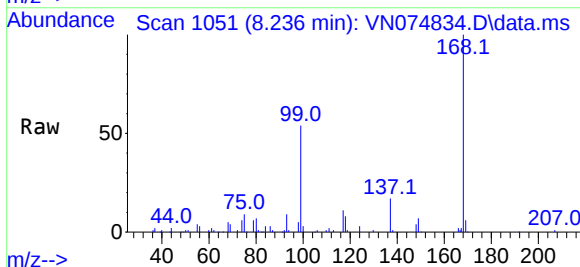


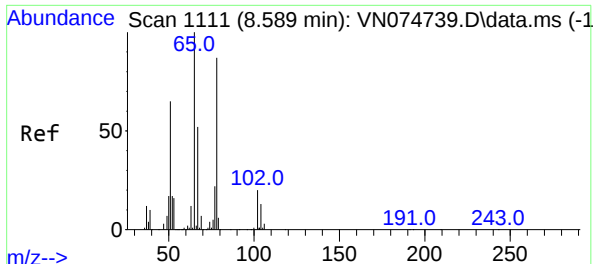
Tgt Ion: 42 Resp: 2180
Ion Ratio Lower Upper
42 100
72 67.3 33.0 49.6#
71 8.7 30.4 45.6#



#31
Cyclohexane
Concen: 0.678 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion: 56 Resp: 6428
Ion Ratio Lower Upper
56 100
69 147.3 23.1 34.7#
84 121.9 67.1 100.7#

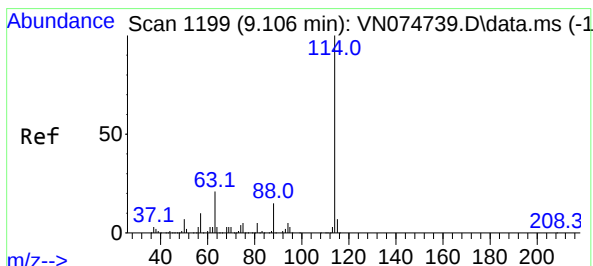
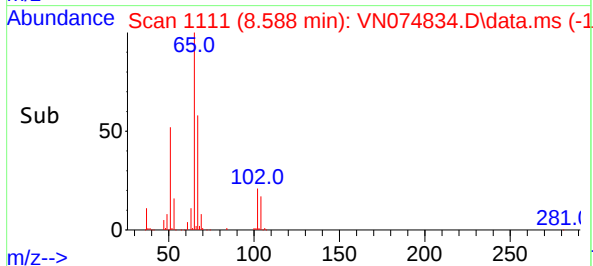
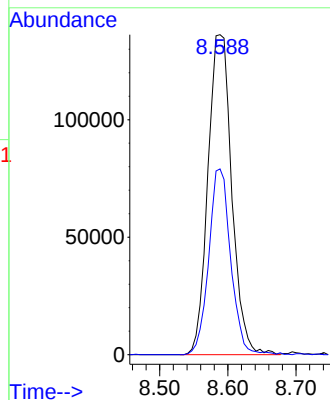
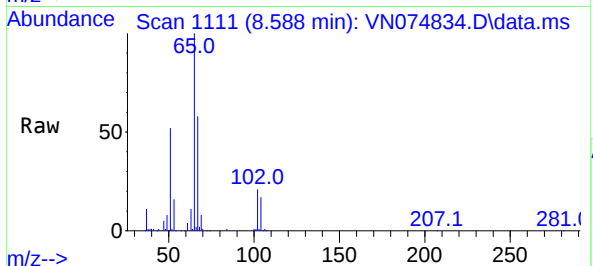




#33
1,2-Dichloroethane-d4
Concen: 60.523 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

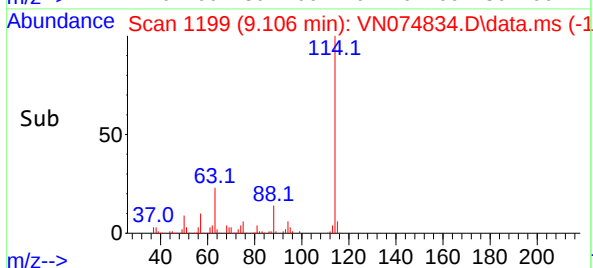
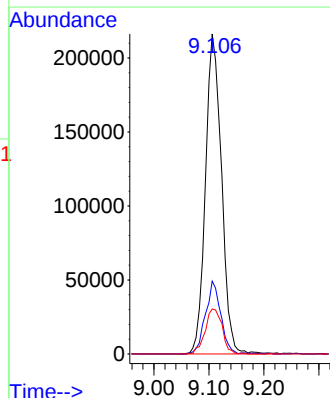
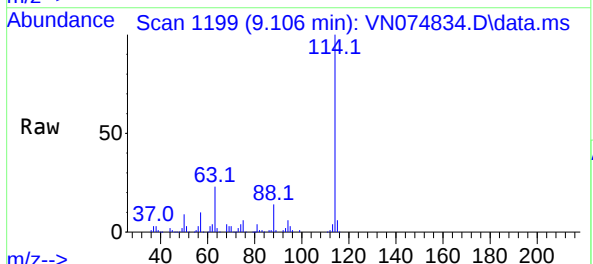
Instrument :
MSVOA_N
ClientSampleId :

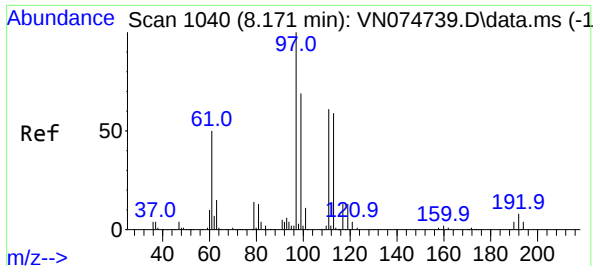
Tgt Ion: 65 Resp: 332056
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

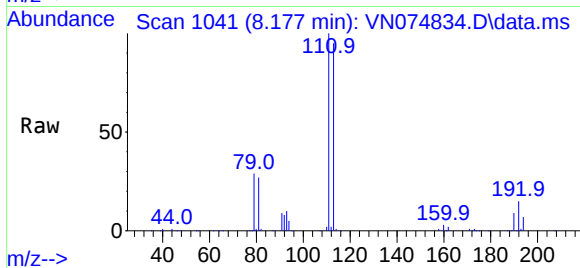
Tgt Ion: 114 Resp: 439336
Ion Ratio Lower Upper
114 100
63 22.7 0.0 41.2
88 14.1 0.0 30.2



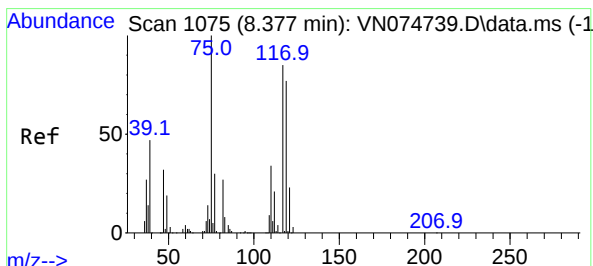
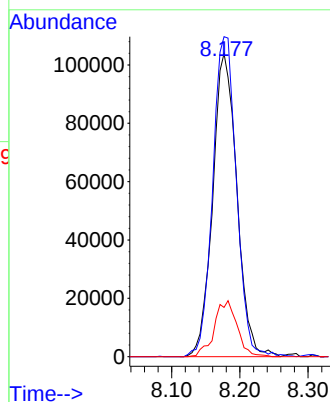
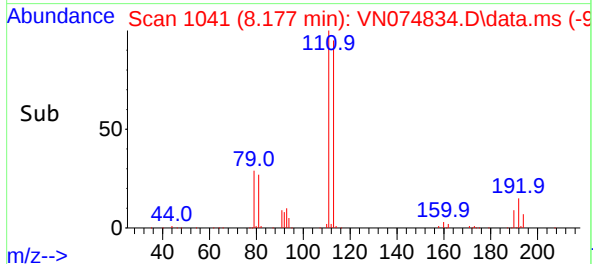


#35
Dibromofluoromethane
Concen: 57.916 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Instrument :
MSVOA_N
ClientSampleId :

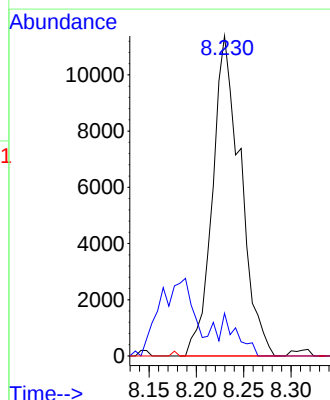
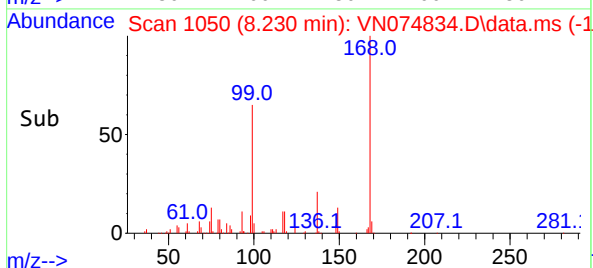
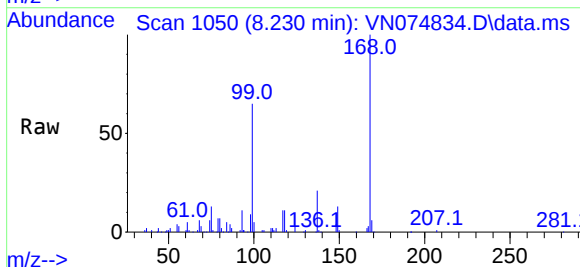


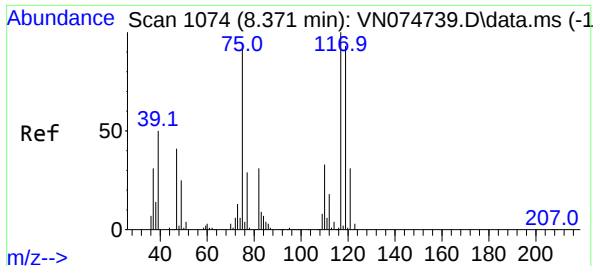
Tgt Ion:113 Resp: 257079
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.6
192 17.4 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.258 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

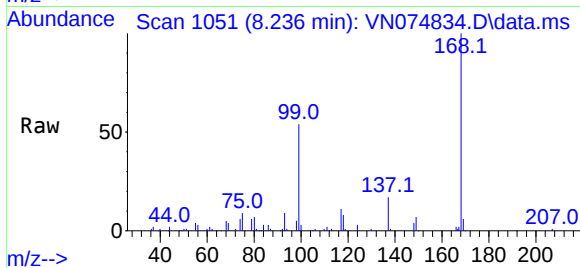
Tgt Ion: 75 Resp: 23406
Ion Ratio Lower Upper
75 100
110 7.0 17.2 51.5#
77 0.0 24.3 36.5#



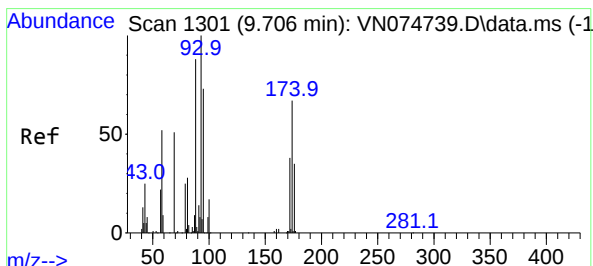
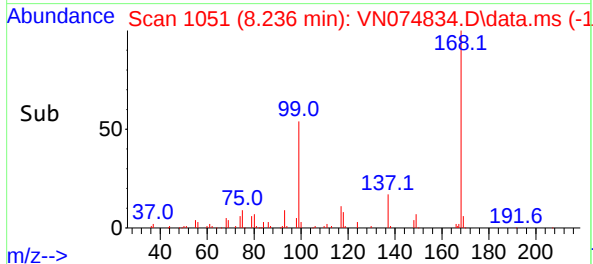
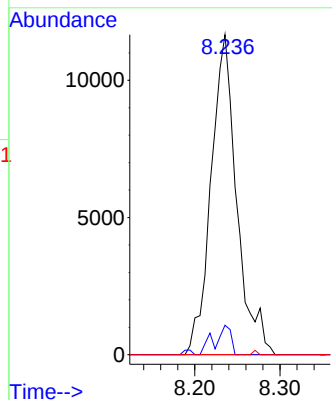


#38
Carbon Tetrachloride
Concen: 3.608 ug/l
RT: 8.236 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Instrument :
MSVOA_N
ClientSampleId :

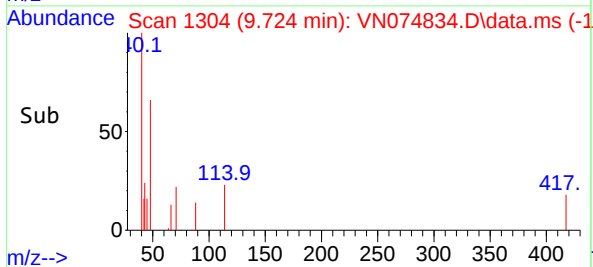
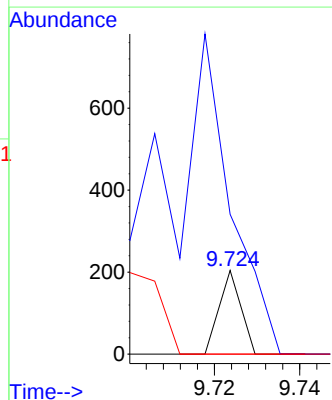
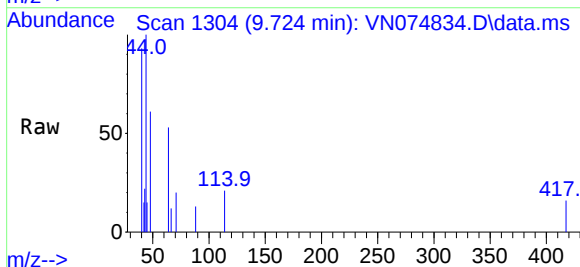


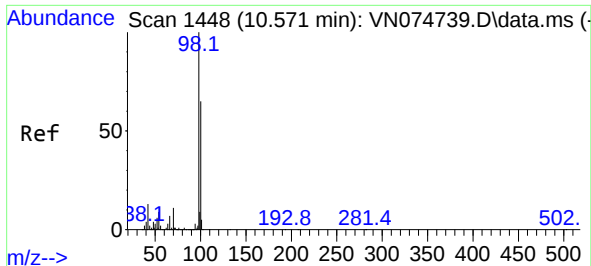
Tgt Ion:117 Resp: 24449
Ion Ratio Lower Upper
117 100
119 9.2 74.3 111.5#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 0.454 ug/l
RT: 9.724 min Scan# 1304
Delta R.T. 0.018 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 1302.8 23.4 35.2#
58 0.0 54.9 82.3#

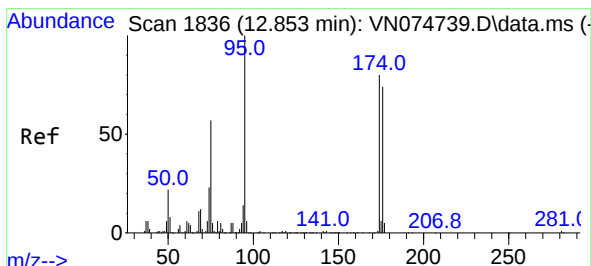
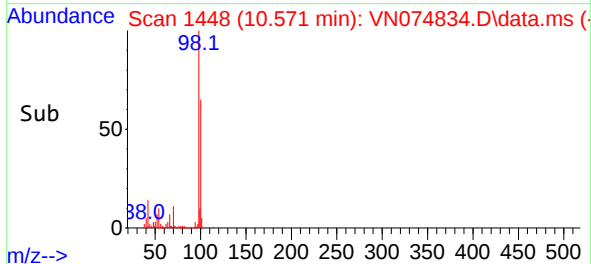
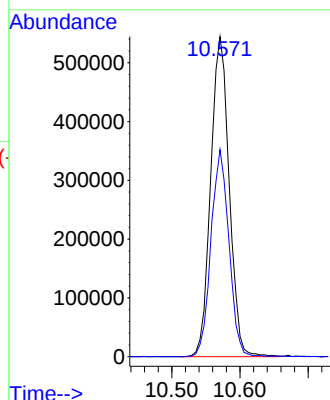
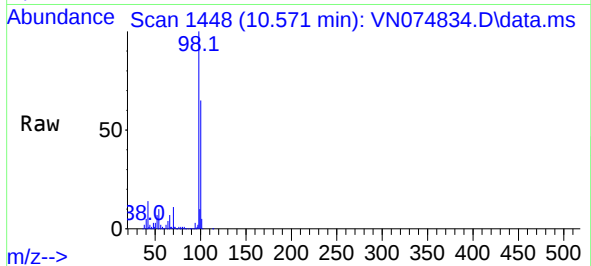




#50
Toluene-d8
Concen: 54.006 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

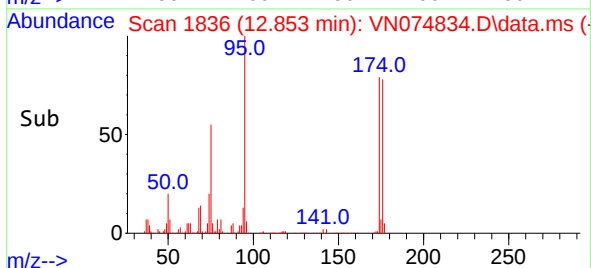
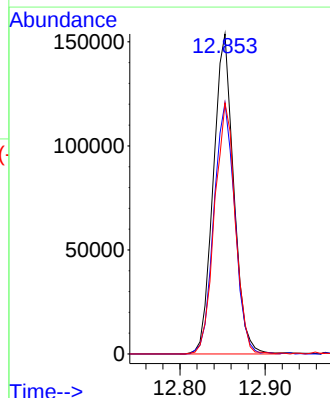
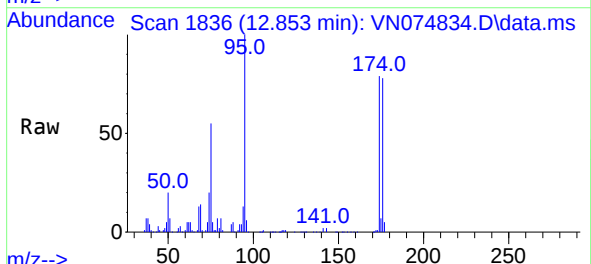
Instrument :
MSVOA_N
ClientSampleId :

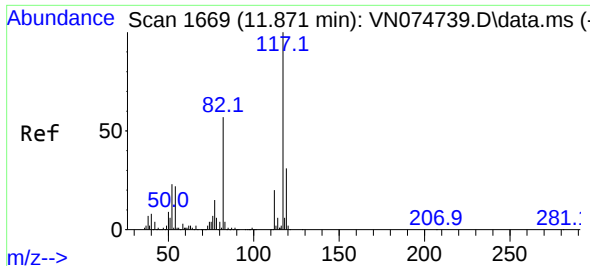
Tgt Ion: 98 Resp: 1028643
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 44.136 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion: 95 Resp: 255544
Ion Ratio Lower Upper
95 100
174 80.5 0.0 149.4
176 79.3 0.0 142.0

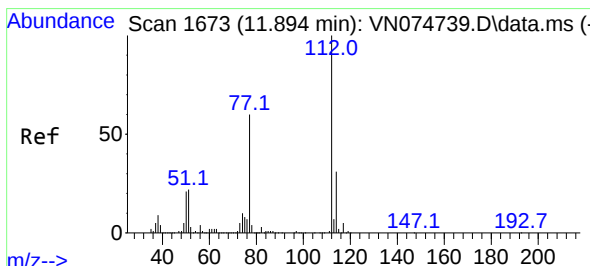
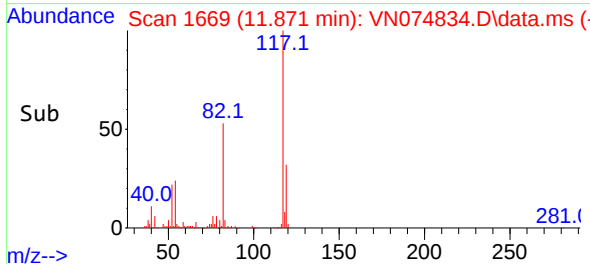
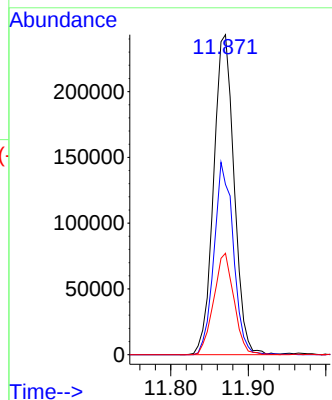
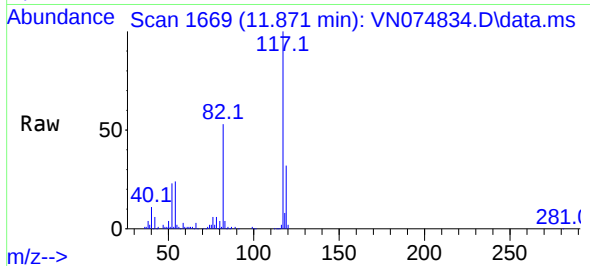




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

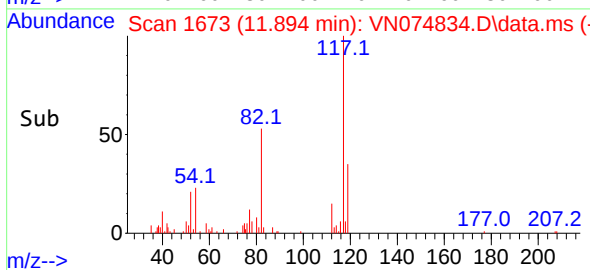
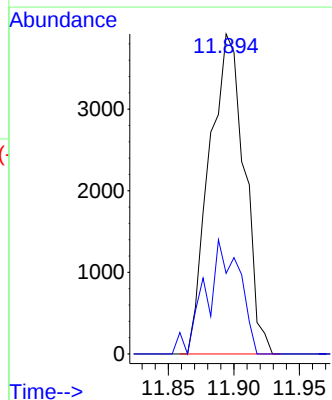
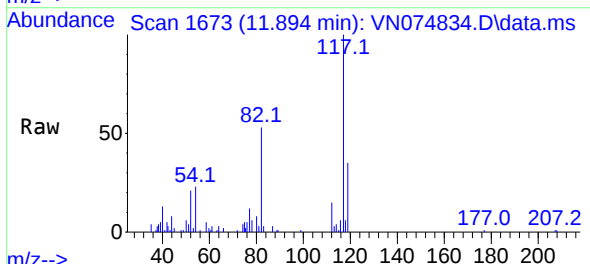
Instrument :
MSVOA_N
ClientSampleId :

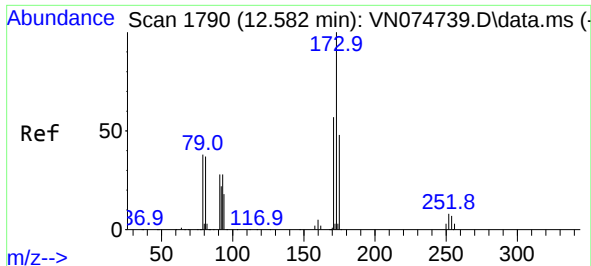
Tgt Ion:117 Resp: 446798
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.2
119 31.7 25.1 37.7



#65
Chlorobenzene
Concen: 0.532 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion:112 Resp: 7287
Ion Ratio Lower Upper
112 100
114 25.2 25.0 37.4

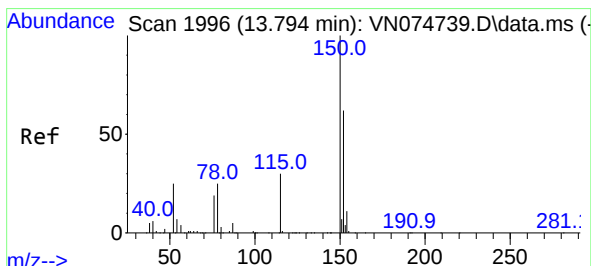
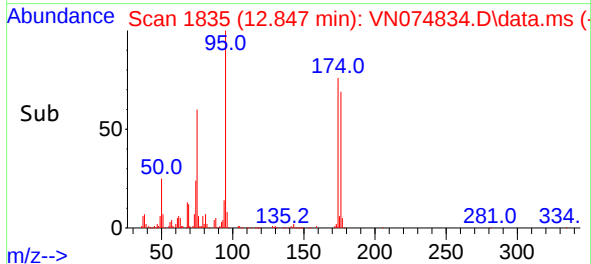
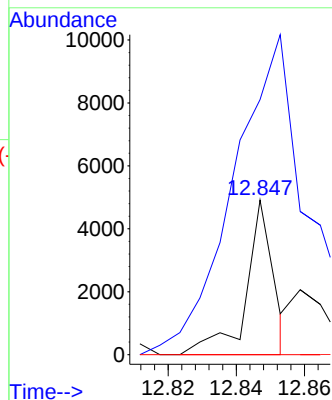
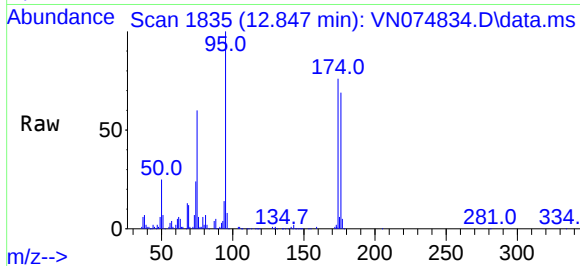




#71
Bromoform
Concen: 0.721 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

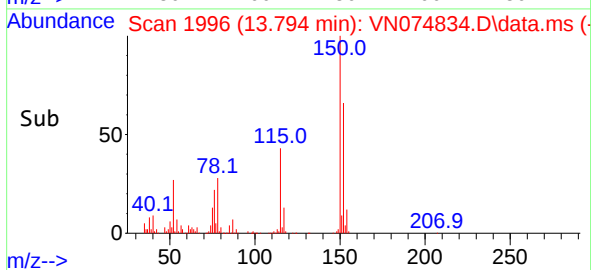
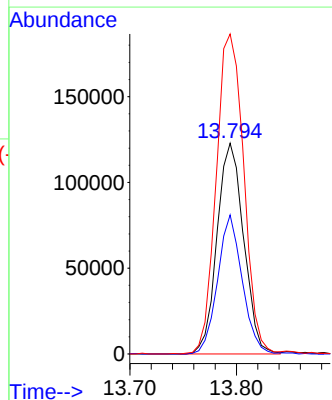
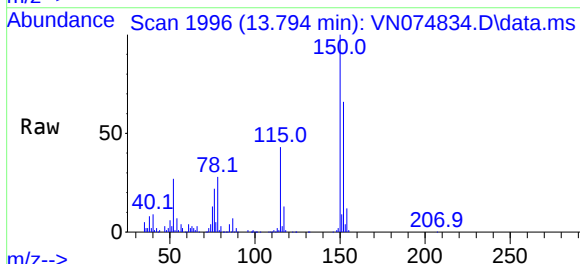
Instrument :
MSVOA_N
ClientSampleId :

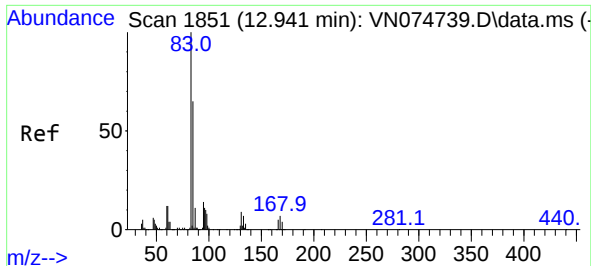
Tgt Ion:173 Resp: 2748
Ion Ratio Lower Upper
173 100
175 462.4 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion:152 Resp: 212928
Ion Ratio Lower Upper
152 100
115 61.2 30.0 90.0
150 157.2 0.0 356.4

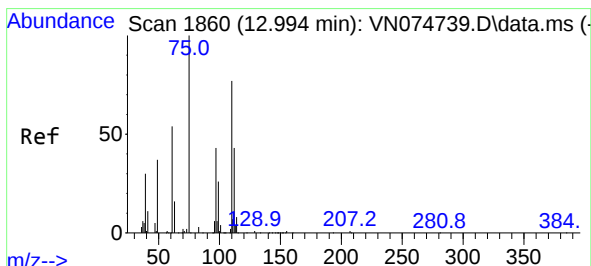
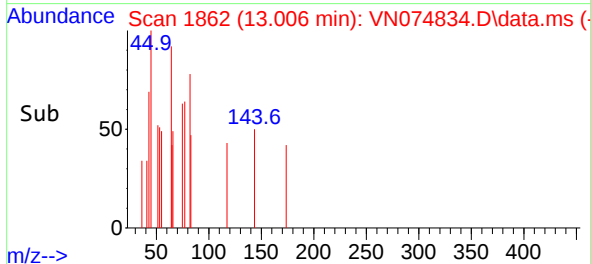
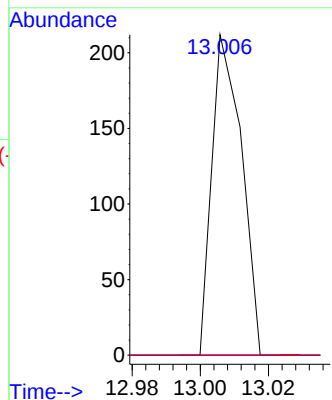
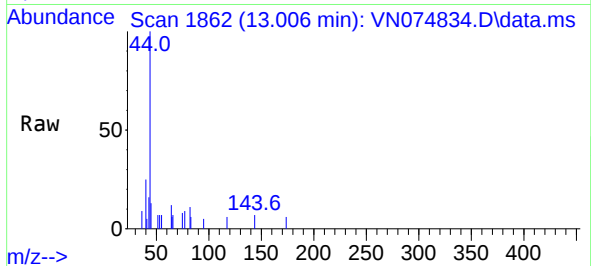




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 13.006 min Scan# 1862
Delta R.T. 0.065 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

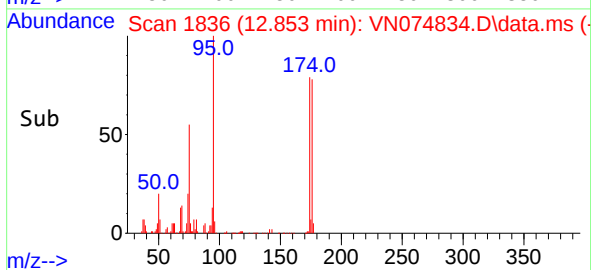
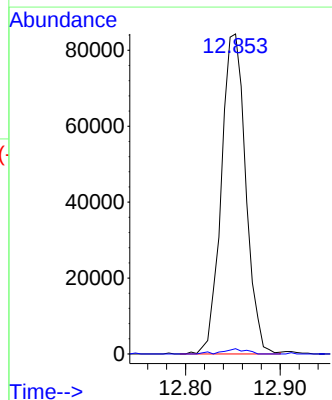
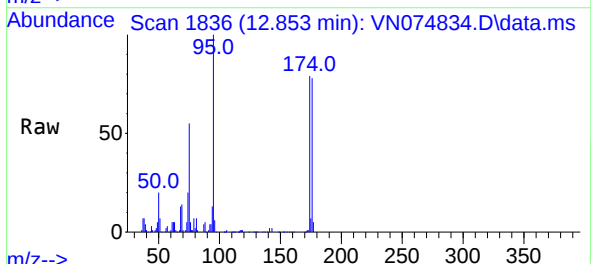
Instrument :
MSVOA_N
ClientSampleId :

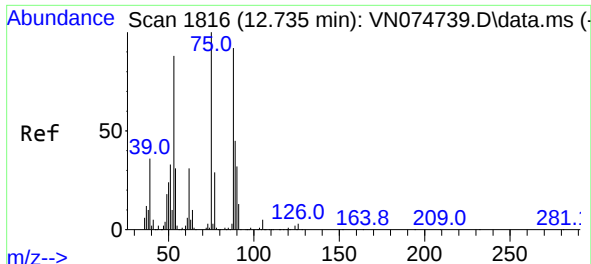
Tgt Ion: 83 Resp: 128
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 23.785 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion: 75 Resp: 151160
Ion Ratio Lower Upper
75 100
77 1.4 76.9 230.7#

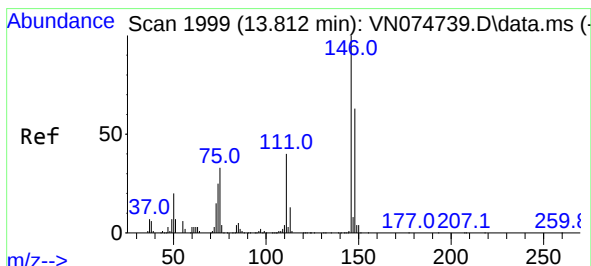
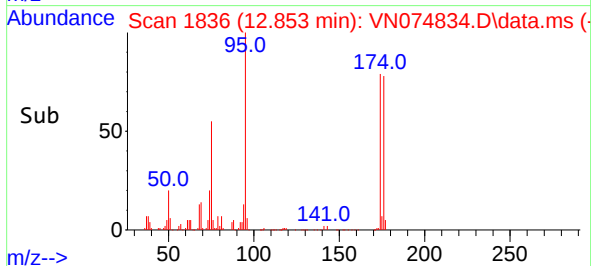
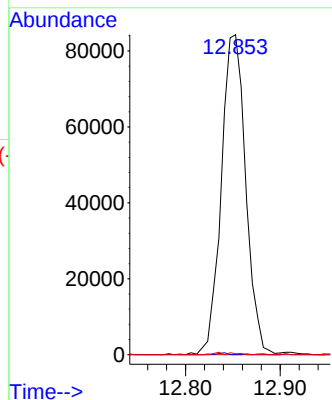
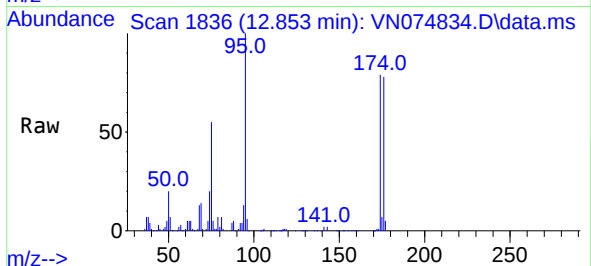




#81
trans-1,4-Dichloro-2-butene
Concen: 46.341 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 151160
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.0 32.1 48.1#



#88
1,4-Dichlorobenzene
Concen: 0.366 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN074834.D
Acq: 10 Oct 2022 16:12

Tgt Ion:146 Resp: 2813
Ion Ratio Lower Upper
146 100
111 131.7 19.9 59.6#
148 119.2 31.8 95.4#

