

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082824\
 Data File : VN083535.D
 Acq On : 28 Aug 2024 14:55
 Operator : JC\MD
 Sample : P3759-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 15:37:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N082824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 28 12:23:16 2024
 Response via : Initial Calibration

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

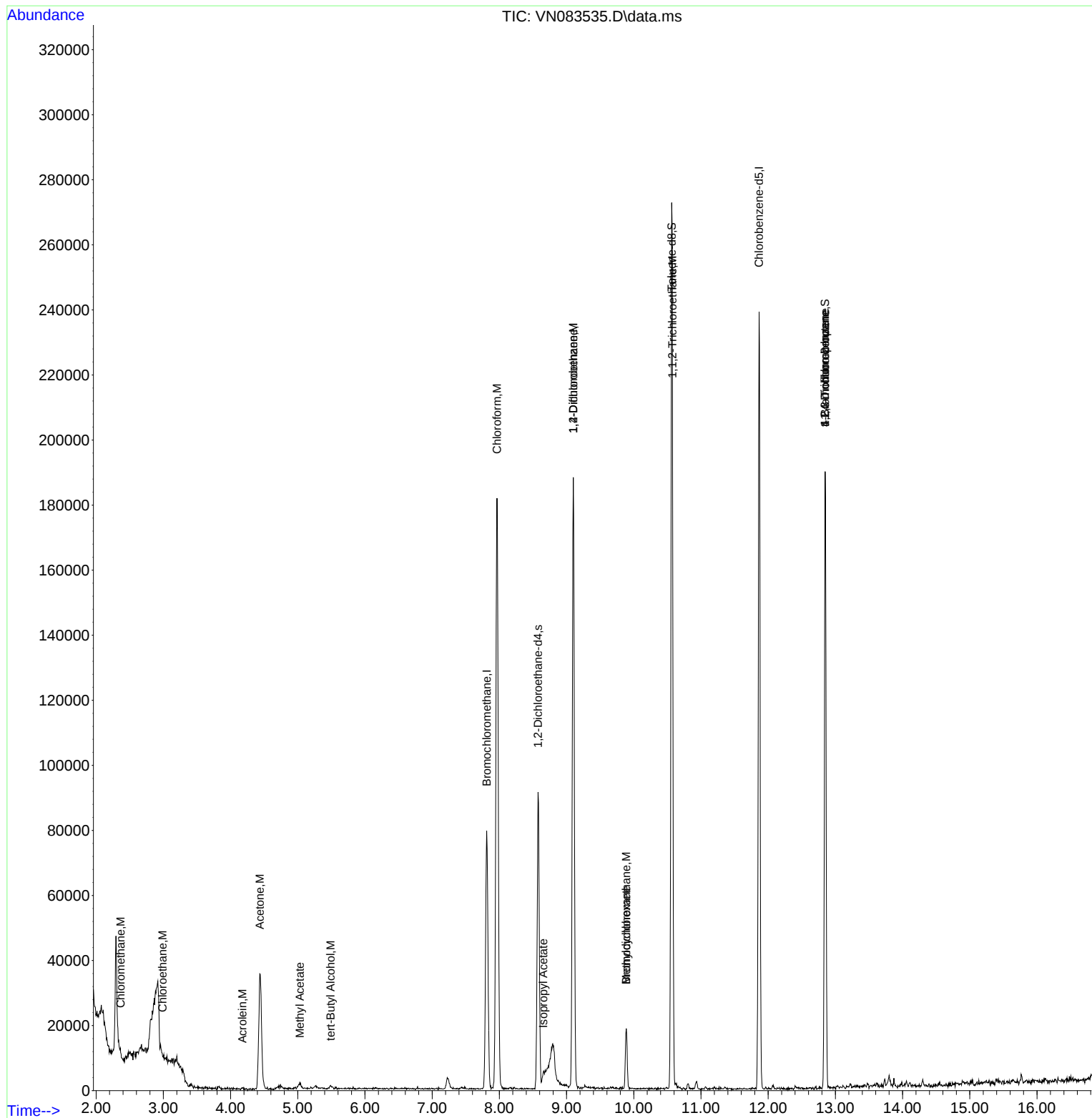
Internal Standards						
1) Bromochloromethane	7.812	128	26962	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	159992	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	132531	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	75372	31.102	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.667%
60) 4-Bromofluorobenzene	12.847	95	65909	28.090	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.633%
63) Toluene-d8	10.565	98	189295	30.938	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.133%
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1195	0.642	ug/l	94
6) Chloroethane	2.989	64	257	0.201	ug/l	97
12) Methyl Acetate	5.030	43	2102	0.725	ug/l #	78
13) Acrolein	4.177	56	253	0.904	ug/l #	15
15) Acetone	4.436	58	474	1.778	ug/l #	49
23) tert-Butyl Alcohol	5.489	59	441	1.160	ug/l #	100
25) Chloroform	7.965	83	179685	49.460	ug/l	98
36) 1,2-Dichloroethane	9.100	62	6239	2.197	ug/l #	72
38) Methylcyclohexane	9.888	83	13328	4.330	ug/l #	19
41) Bromodichloromethane	9.888	83	13328	4.639	ug/l #	93
44) Isopropyl Acetate	8.653	43	4133	0.707	ug/l	96
50) 1,1,2-Trichloroethane	10.576	97	5718	3.210	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	35747	17.046	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	35747	39.280	ug/l #	12

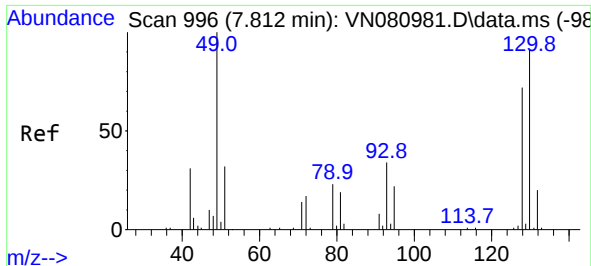
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082824\
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ALS Vial : 14 Sample Multiplier: 1

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MSVOA_N
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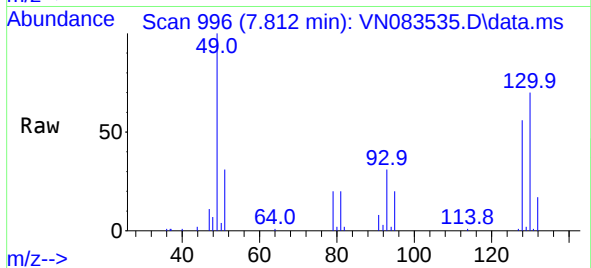
Quant Time: Aug 28 15:37:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N082824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 28 12:23:16 2024
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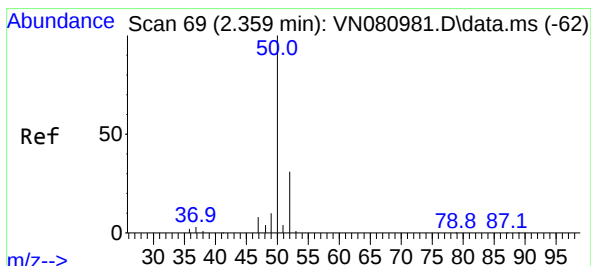
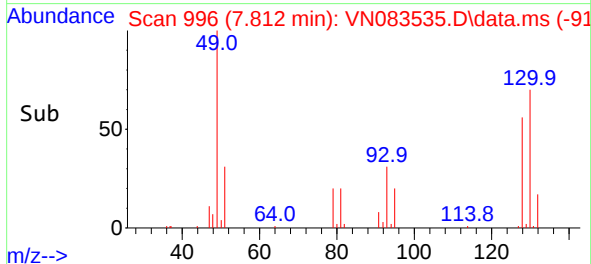
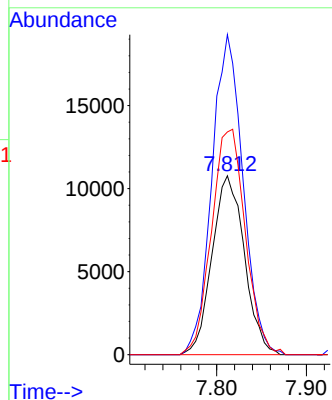


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Instrument :
MSVOA_N
ClientSampleId :

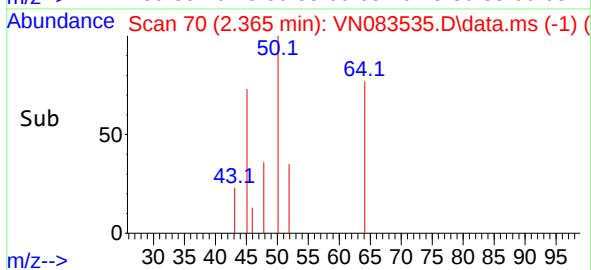
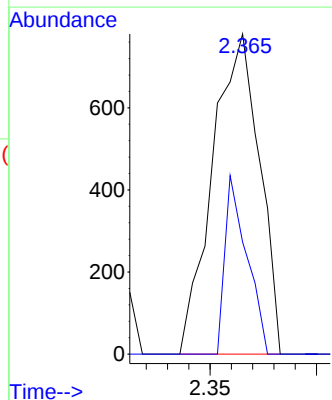
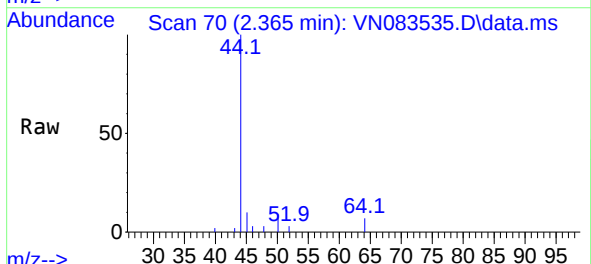


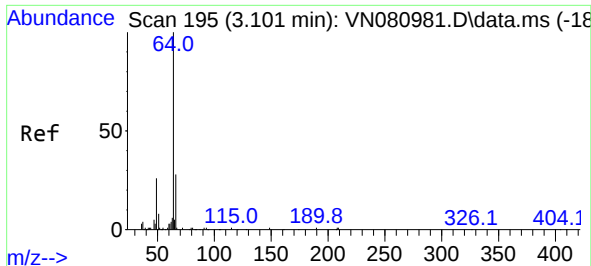
Tgt Ion:128 Resp: 26962
Ion Ratio Lower Upper
128 100
49 171.9 0.0 403.7
130 131.5 0.0 323.3



#3
Chloromethane
Concen: 0.642 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Tgt Ion: 50 Resp: 1195
Ion Ratio Lower Upper
50 100
52 35.0 25.4 38.0

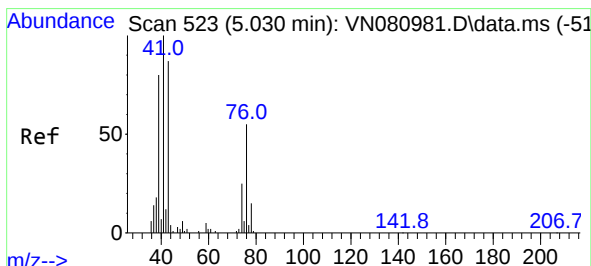
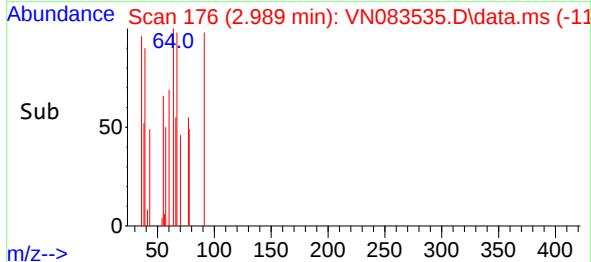
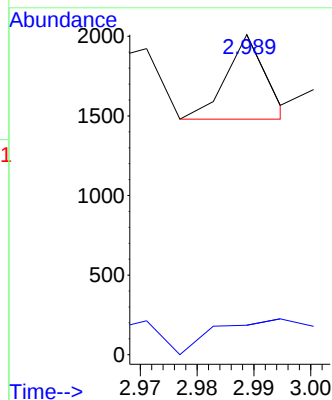
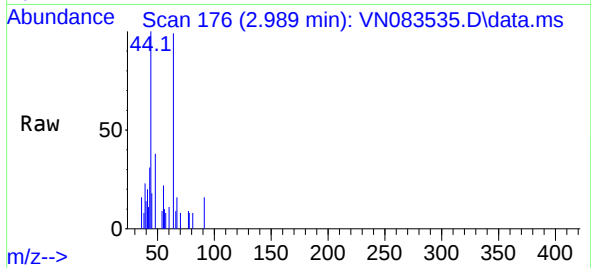




#6
Chloroethane
Concen: 0.201 ug/l
RT: 2.989 min Scan# 11
Delta R.T. -0.112 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

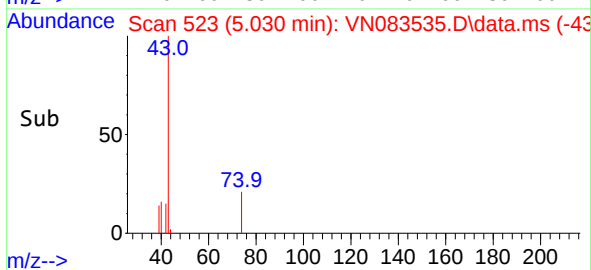
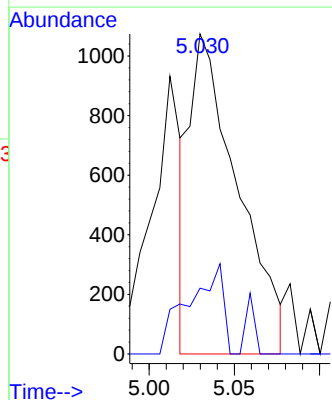
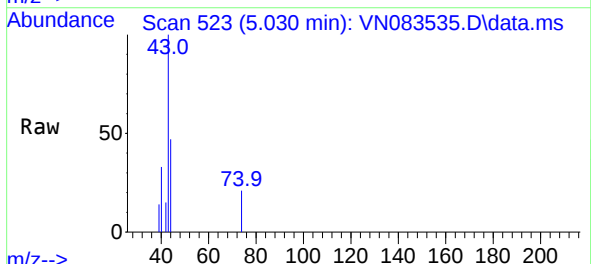
Instrument :
MSVOA_N
ClientSampleId :

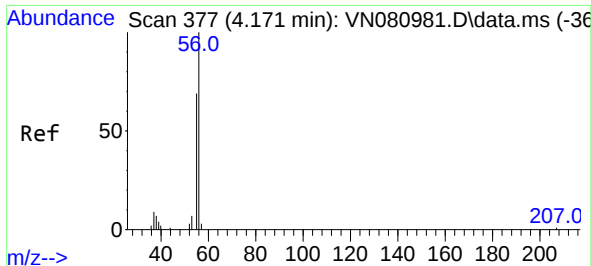
Tgt Ion: 64 Resp: 257
Ion Ratio Lower Upper
64 100
66 34.8 26.7 40.1



#12
Methyl Acetate
Concen: 0.725 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

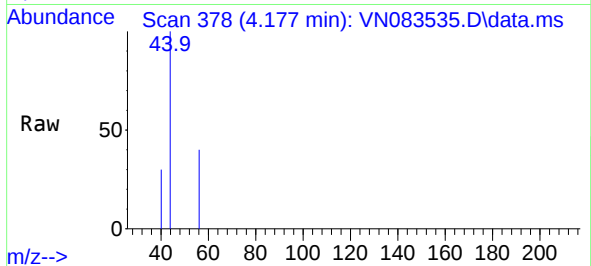
Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
74 21.8 27.7 41.5#



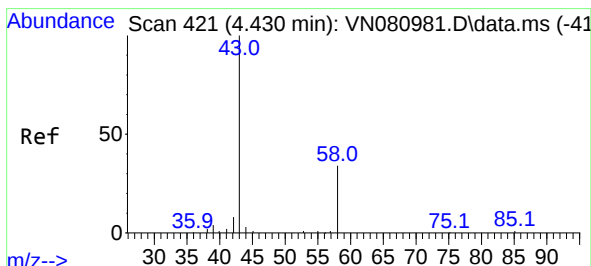
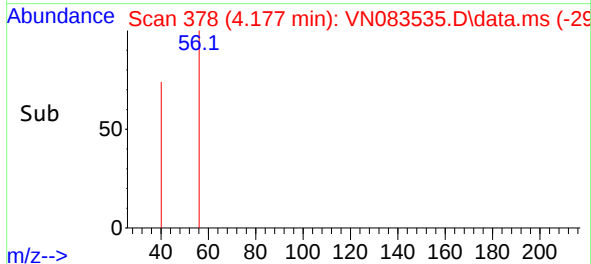
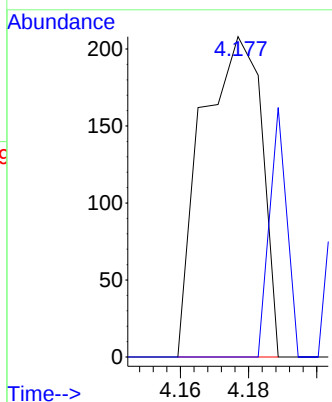


#13
Acrolein
Concen: 0.904 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Instrument :
MSVOA_N
ClientSampleId :

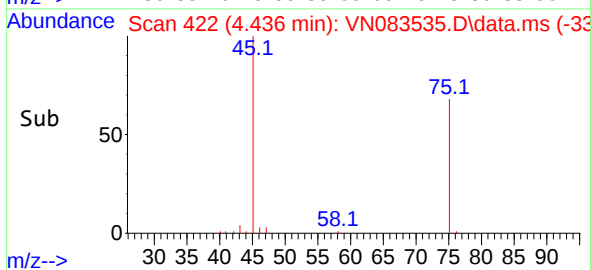
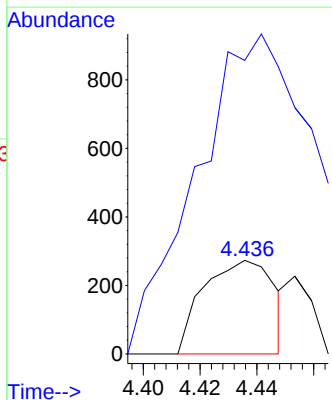
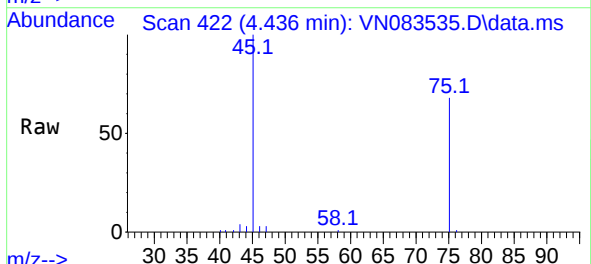


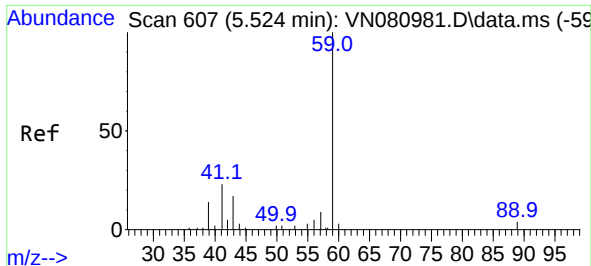
Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



#15
Acetone
Concen: 1.778 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

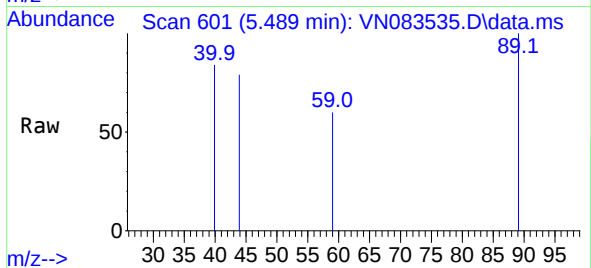
Tgt Ion: 58 Resp: 474
Ion Ratio Lower Upper
58 100
43 183.9 223.1 334.7#



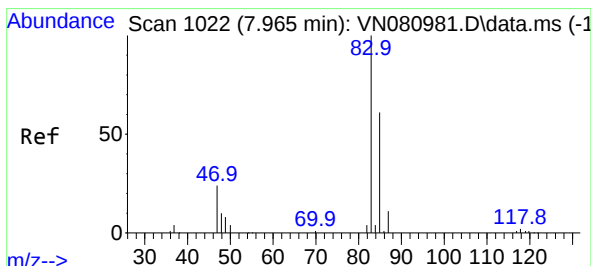
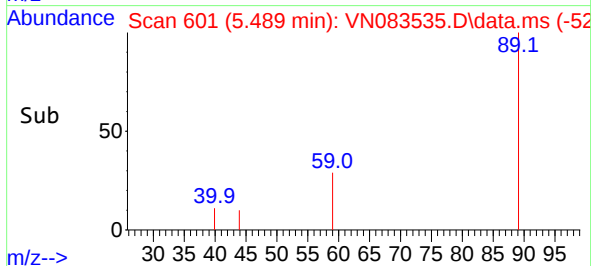
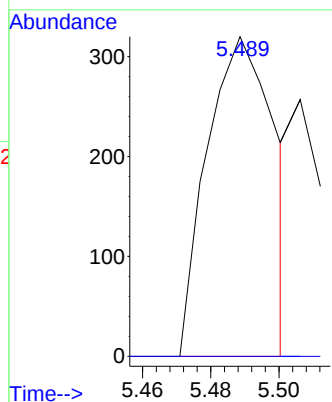


#23
tert-Butyl Alcohol
Concen: 1.160 ug/l
RT: 5.489 min Scan# 607
Delta R.T. -0.035 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Instrument :
MSVOA_N
ClientSampleId :

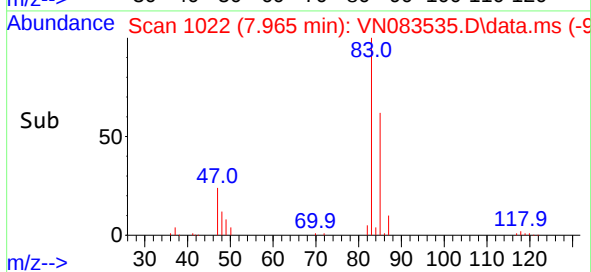
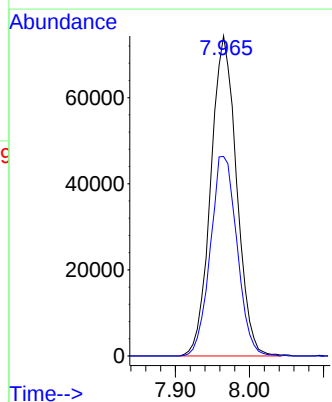
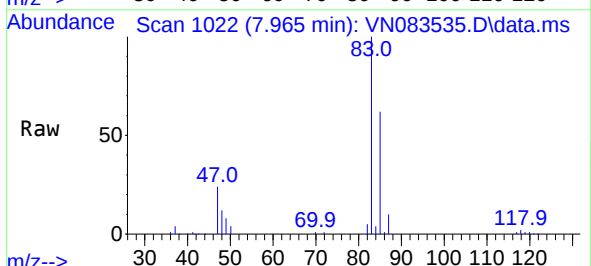


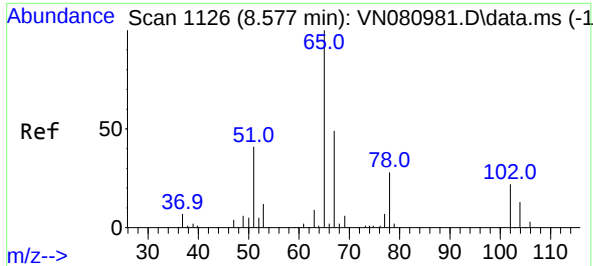
Tgt Ion: 59 Resp: 441
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 49.460 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Tgt Ion: 83 Resp: 179685
Ion Ratio Lower Upper
83 100
85 62.4 50.9 76.3

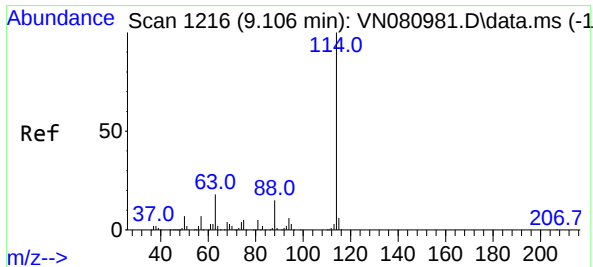
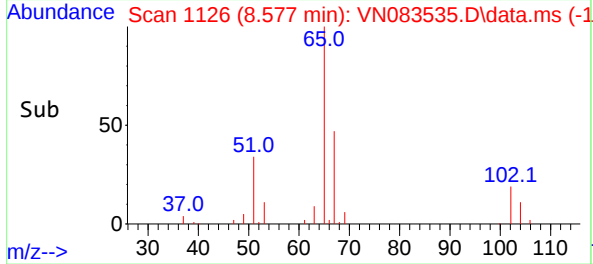
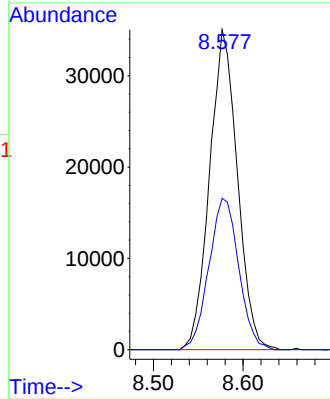
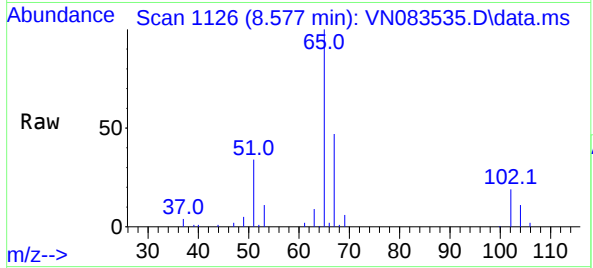




#27
1,2-Dichloroethane-d4
Concen: 31.102 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

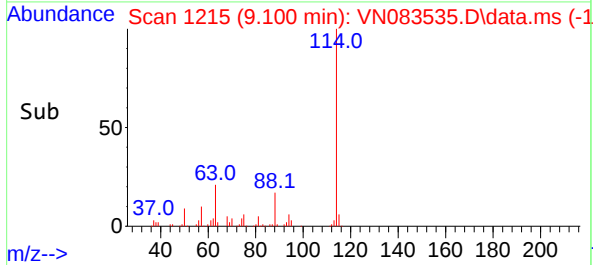
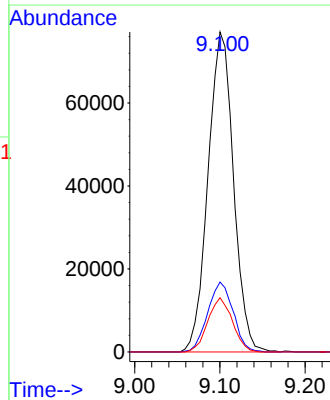
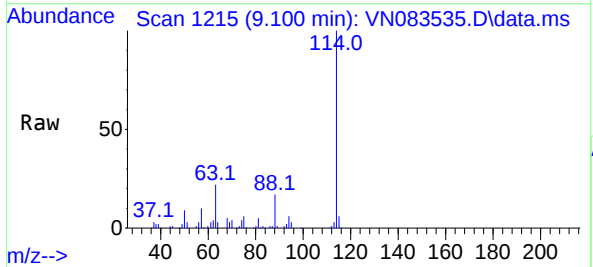
Instrument :
MSVOA_N
ClientSampleId :

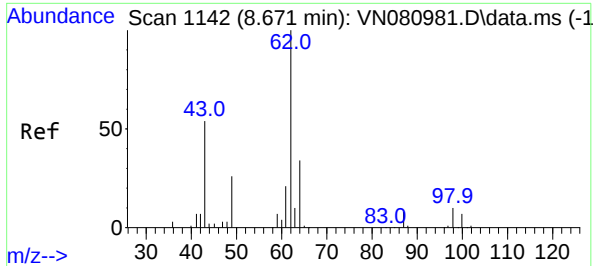
Tgt Ion: 65 Resp: 75372
Ion Ratio Lower Upper
65 100
67 50.8 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.006 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Tgt Ion: 114 Resp: 159992
Ion Ratio Lower Upper
114 100
63 21.9 15.9 23.9
88 16.3 12.7 19.1

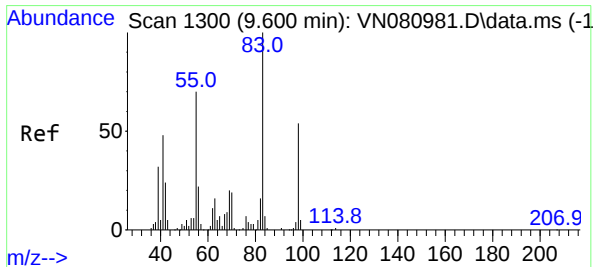
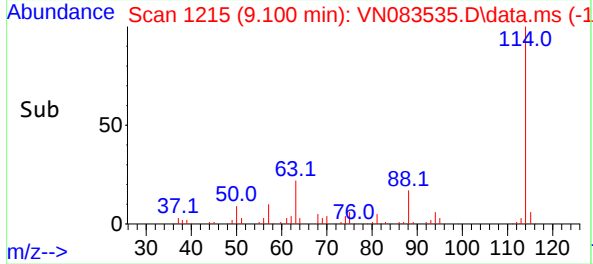
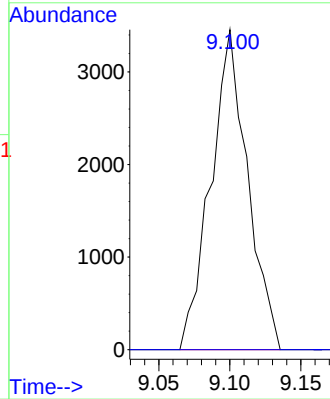
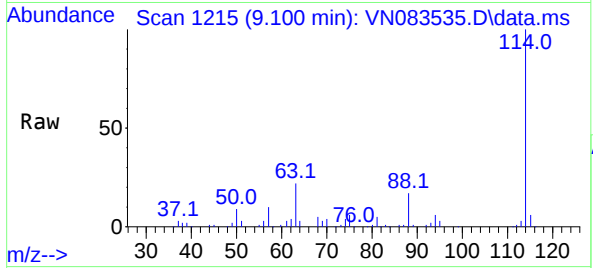




#36
1,2-Dichloroethane
Concen: 2.197 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

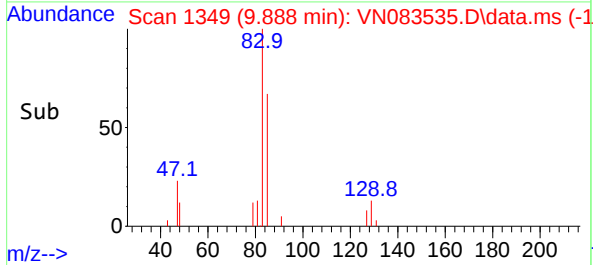
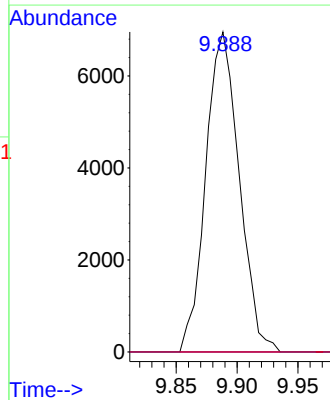
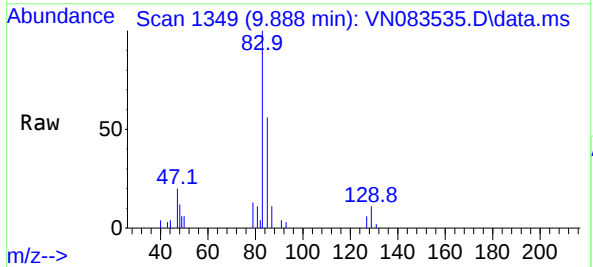
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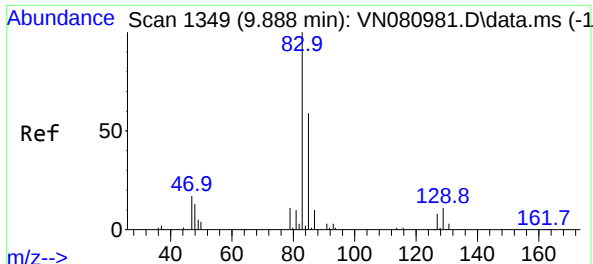
Tgt Ion: 62 Resp: 6239
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#38
Methylcyclohexane
Concen: 4.330 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.288 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Tgt Ion: 83 Resp: 13328
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#

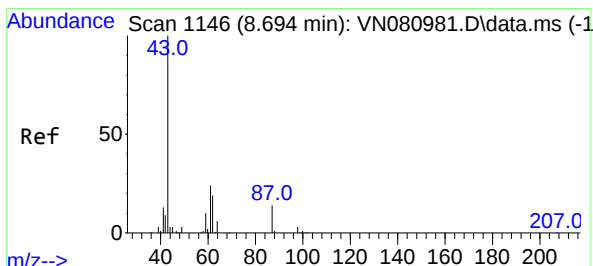
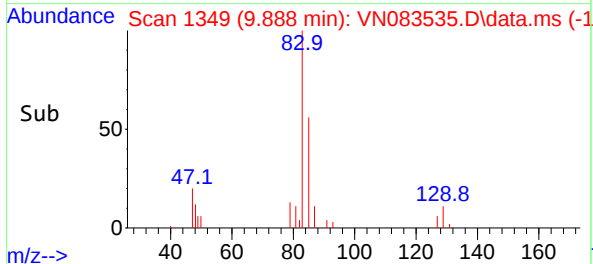
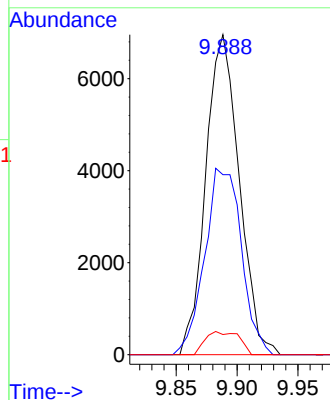
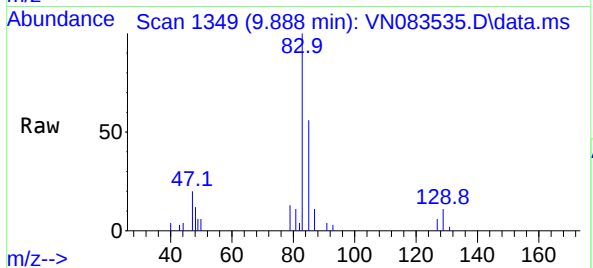




#41
Bromodichloromethane
Concen: 4.639 ug/l
RT: 9.888 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

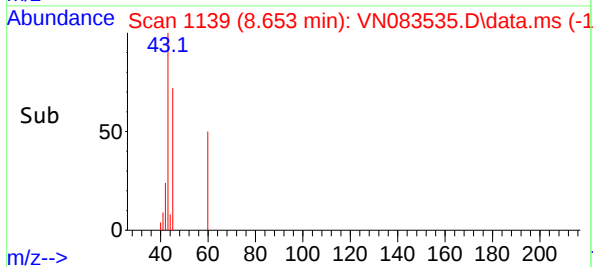
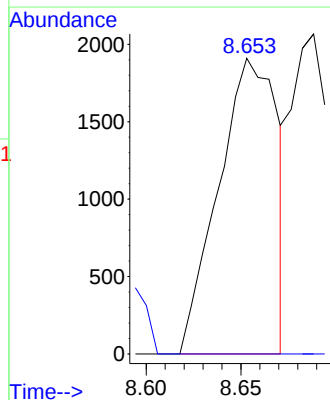
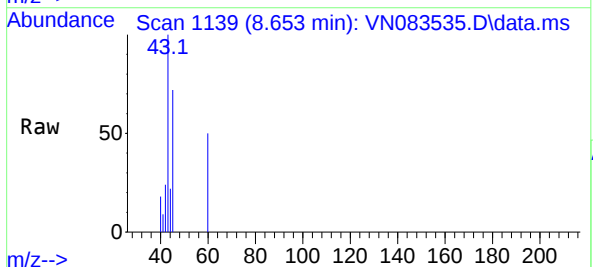
Instrument :
MSVOA_N
ClientSampleId :

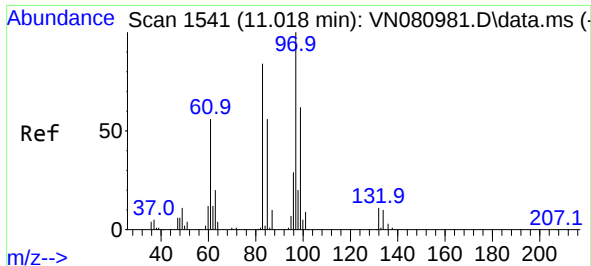
Tgt Ion: 83 Resp: 13328
Ion Ratio Lower Upper
83 100
85 56.3 49.4 74.2
127 6.3 7.3 10.9#



#44
Isopropyl Acetate
Concen: 0.707 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.041 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

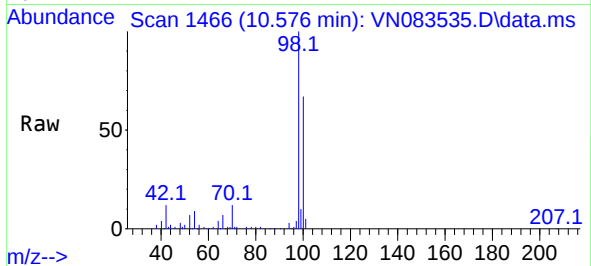
Tgt Ion: 43 Resp: 4133
Ion Ratio Lower Upper
43 100
61 33.2 25.0 37.4



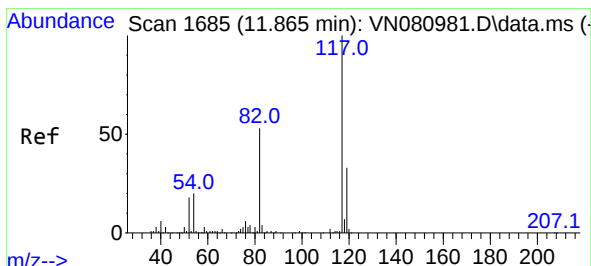
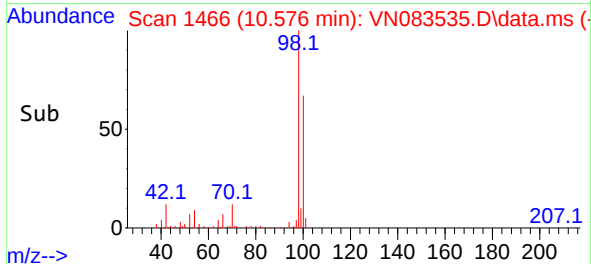
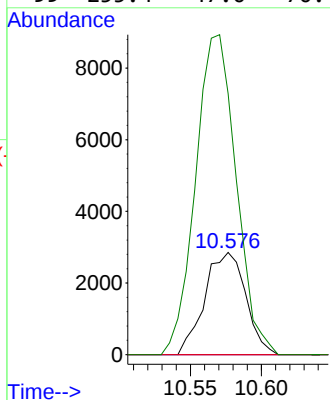


#50
1,1,2-Trichloroethane
Concen: 3.210 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Instrument :
MSVOA_N
ClientSampleId :

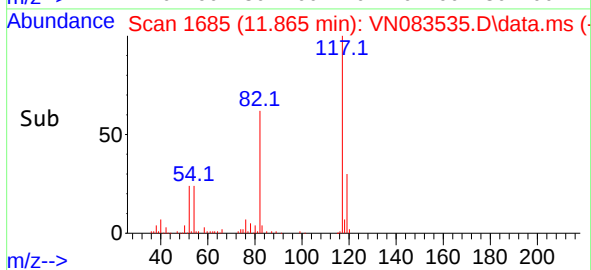
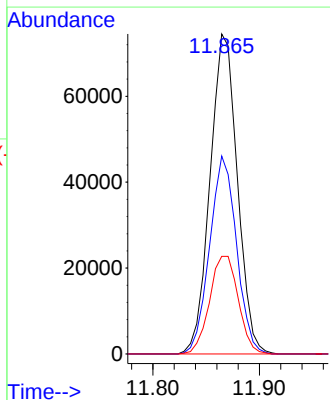
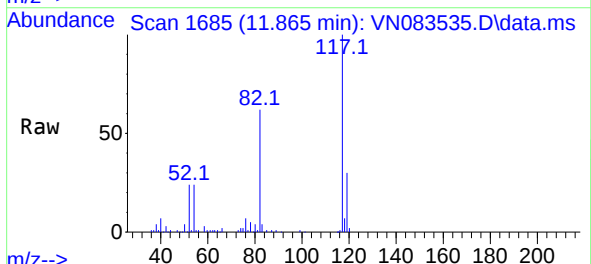


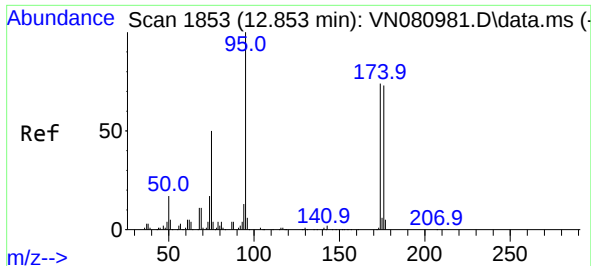
Tgt Ion: 97 Resp: 5718
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 255.4 47.0 70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Tgt Ion: 117 Resp: 132531
Ion Ratio Lower Upper
117 100
82 60.9 46.6 69.8
119 32.2 25.4 38.2

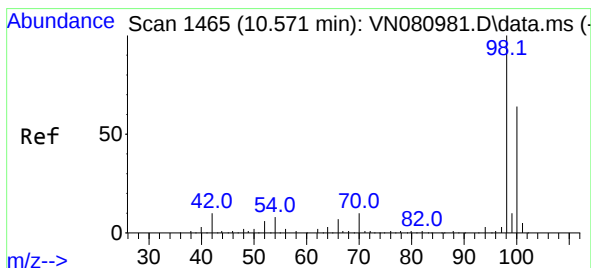
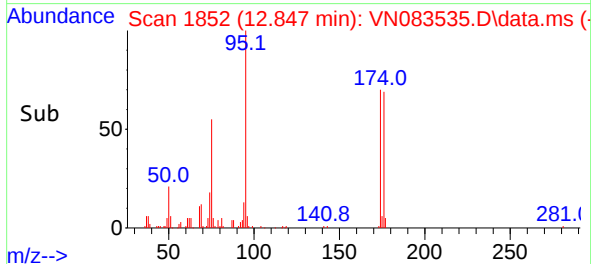
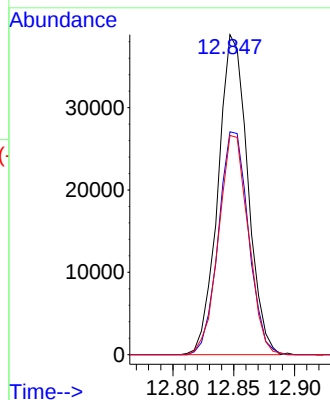
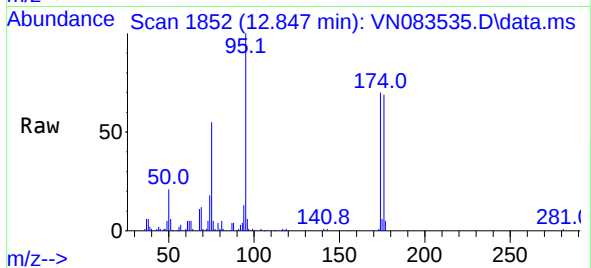




#60
4-Bromofluorobenzene
Concen: 28.090 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

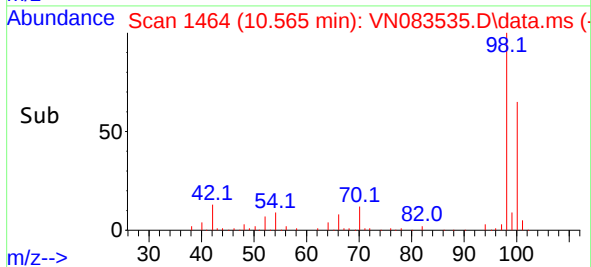
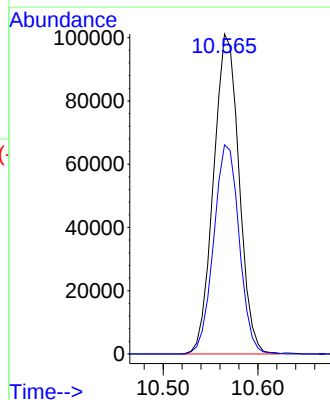
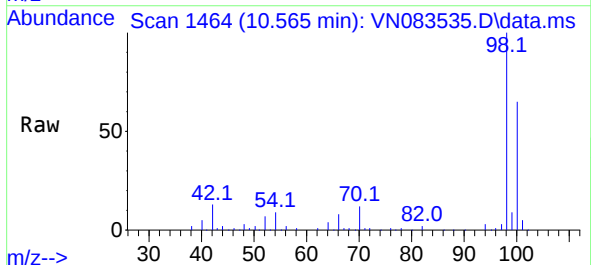
Instrument :
MSVOA_N
ClientSampleId :

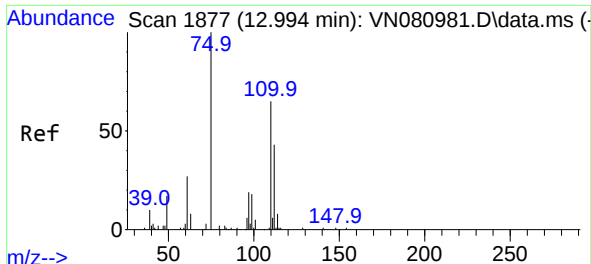
Tgt Ion: 95 Resp: 65909
Ion Ratio Lower Upper
95 100
174 70.5 60.5 90.7
176 68.8 57.8 86.6



#63
Toluene-d8
Concen: 30.938 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Tgt Ion: 98 Resp: 189295
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

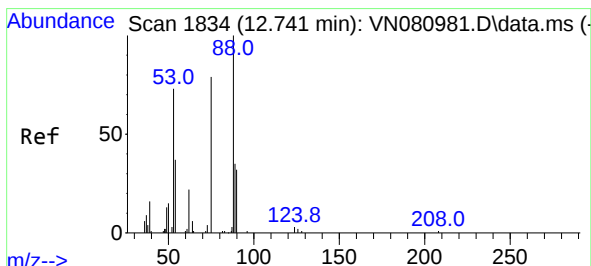
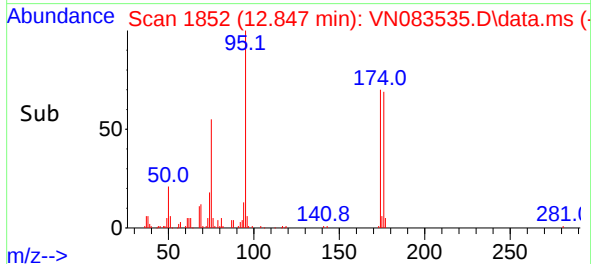
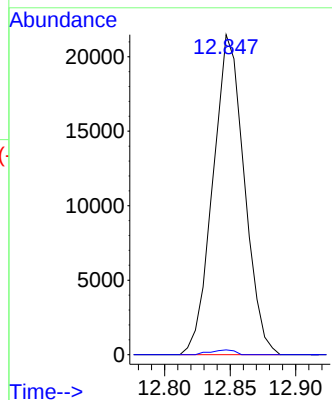
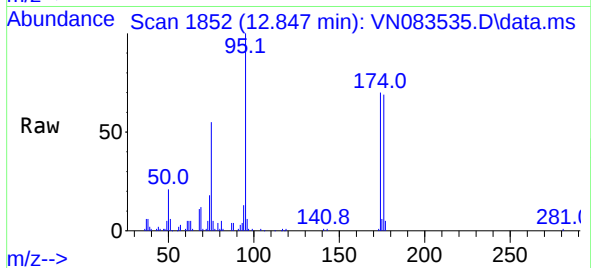




#72
1,2,3-Trichloropropane
Concen: 17.046 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 35747
Ion Ratio Lower Upper
75 100
77 1.2 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 39.280 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN083535.D
Acq: 28 Aug 2024 14:55

Tgt Ion: 75 Resp: 35747
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

