

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080094.D
 Acq On : 14 Nov 2023 17:14
 Operator : JC\MD
 Sample : 05378-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 03:57:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

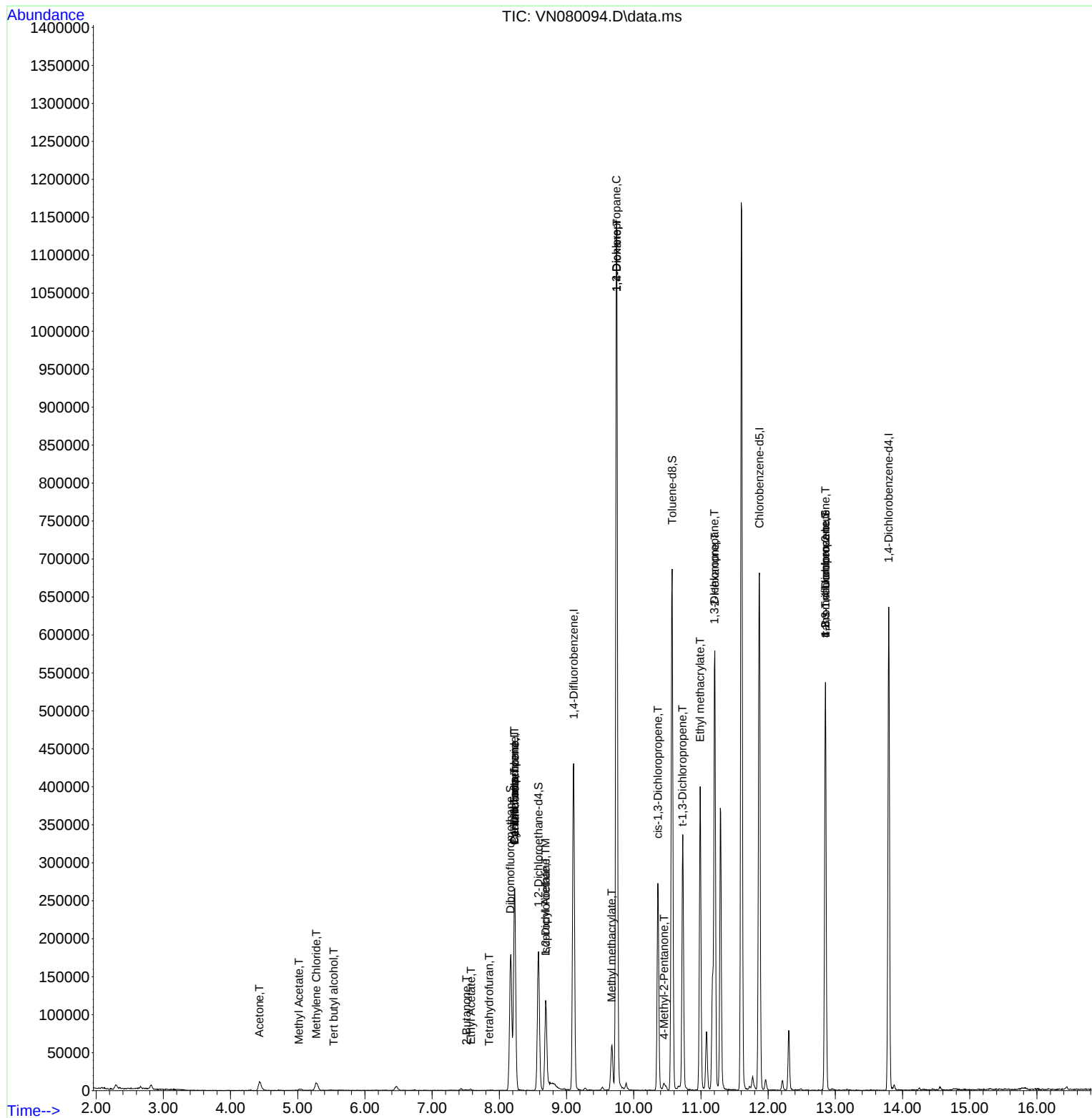
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	182173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	358577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	386282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	163505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	162779	58.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.300%
35) Dibromofluoromethane	8.165	113	126284	49.760	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.520%
50) Toluene-d8	10.571	98	466899	49.974	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.940%
62) 4-Bromofluorobenzene	12.853	95	182503	58.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	349	Below Cal	#	42
11) Tert butyl alcohol	5.536	59	142	0.401	ug/l #	72
16) Acetone	4.430	43	22790	23.377	ug/l	99
18) Methyl Acetate	5.018	43	1231	0.264	ug/l #	21
20) Methylene Chloride	5.277	84	7969	3.239	ug/l	90
25) 2-Butanone	7.512	43	1769	1.239	ug/l #	37
29) Tetrahydrofuran	7.847	42	205	0.221	ug/l #	20
31) Cyclohexane	8.224	56	4505	1.228	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	17974	4.960	ug/l #	49
37) Ethyl Acetate	7.577	43	2889	0.869	ug/l #	78
38) Carbon Tetrachloride	8.224	117	21811	5.972	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	760	0.200	ug/l #	73
43) Isopropyl Acetate	8.688	43	129130	22.157	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1433	0.517	ug/l #	45
48) Methyl methacrylate	9.671	41	3426	1.342	ug/l #	34
49) 1,4-Dioxane	9.747	88	54	1.197	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	11037	3.364	ug/l #	64
53) t-1,3-Dichloropropene	10.724	75	1015	0.256	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	50436	11.686	ug/l #	67
56) Ethyl methacrylate	10.988	69	2082	0.564	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6080	1.333	ug/l #	42
59) 2-Hexanone	11.206	43	65210	25.979	ug/l #	51
76) 1,2,3-Trichloropropane	12.853	75	103657	27.004	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103657	73.471	ug/l #	15

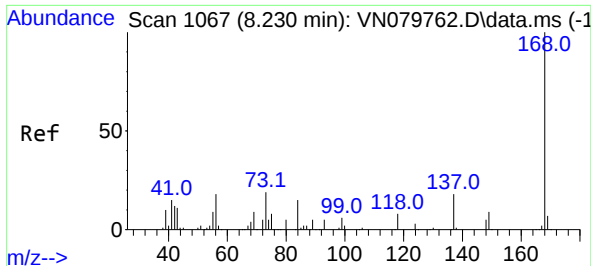
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
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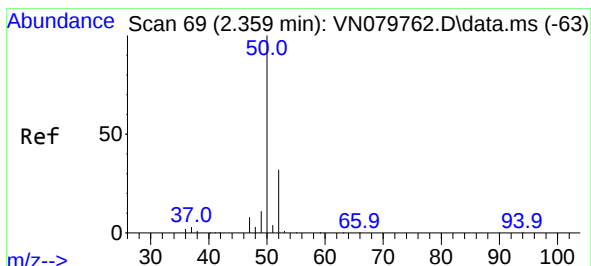
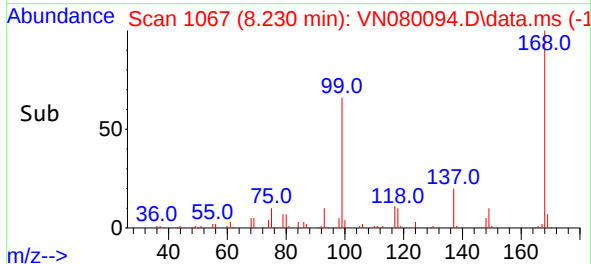
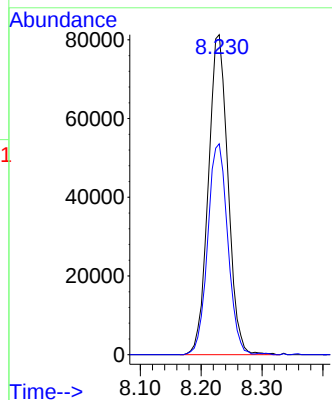
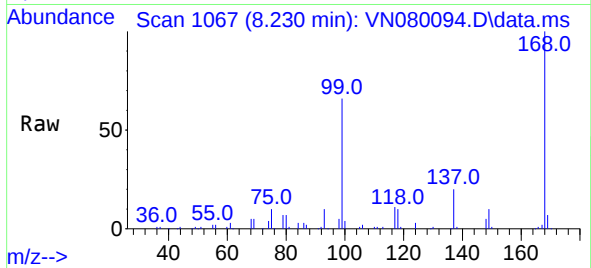




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

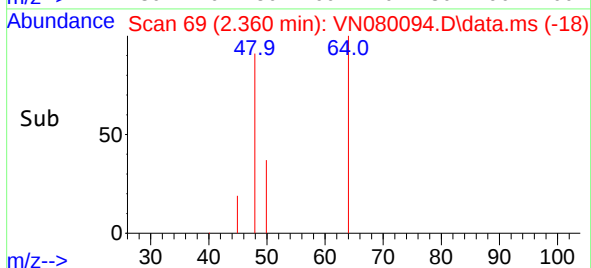
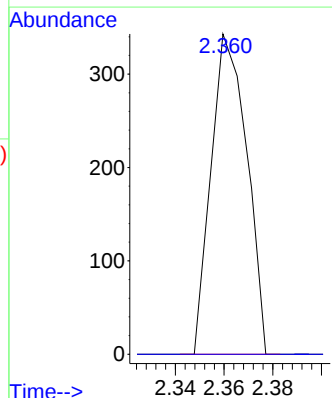
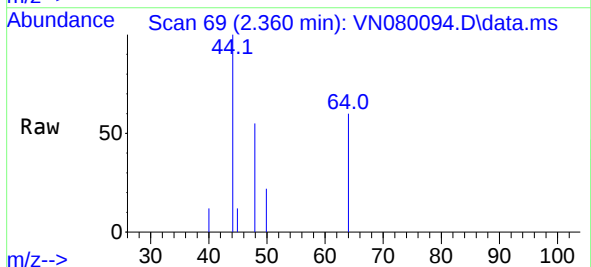
Instrument :
MSVOA_N
ClientSampleId :

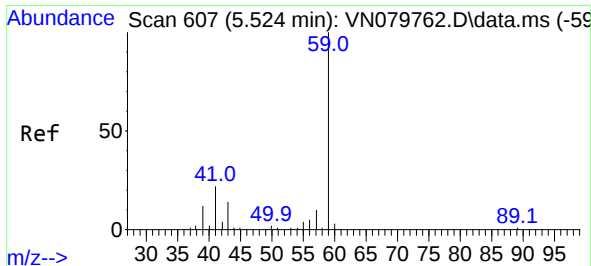
Tgt Ion:168 Resp: 182173
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion: 50 Resp: 349
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

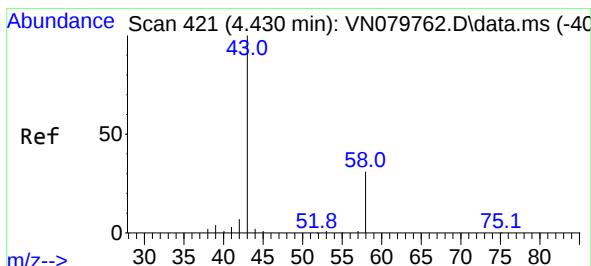
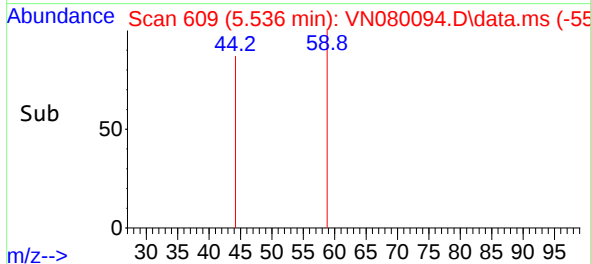
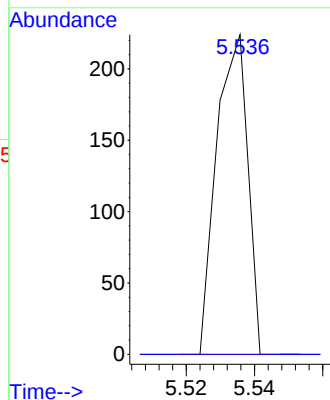
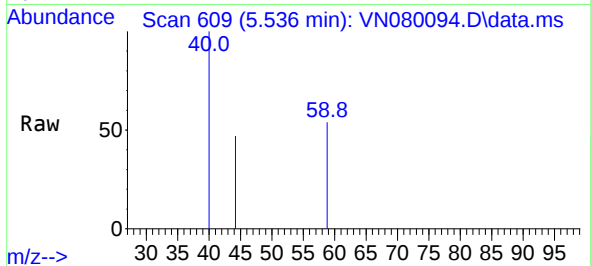




#11
Tert butyl alcohol
Concen: 0.401 ug/l
RT: 5.536 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

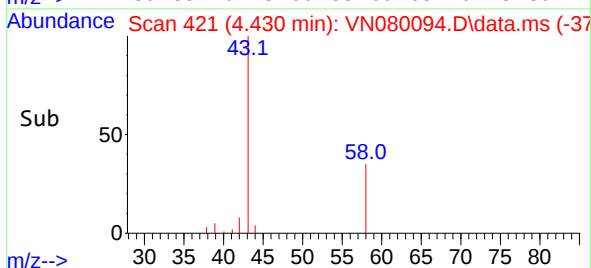
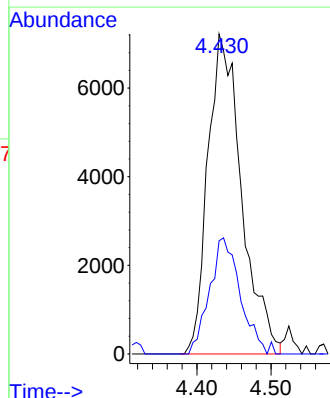
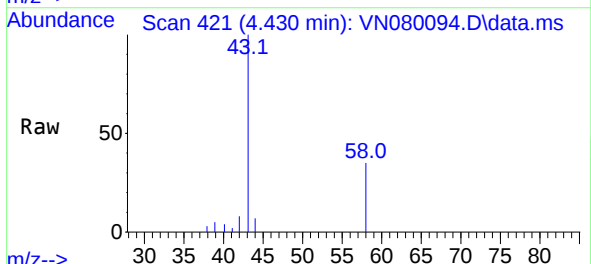
Instrument :
MSVOA_N
ClientSampleId :

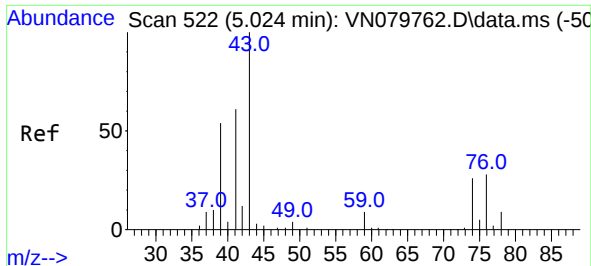
Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 23.377 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

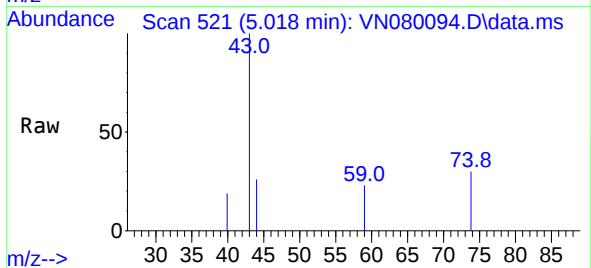
Tgt Ion: 43 Resp: 22790
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0



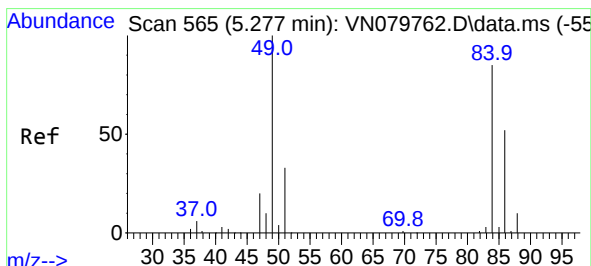
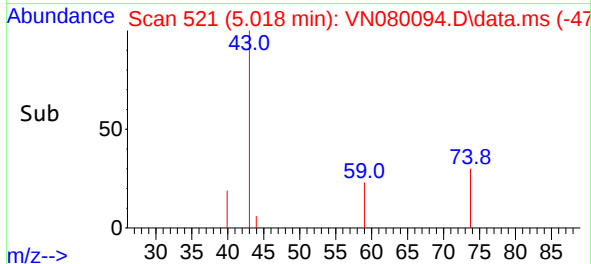
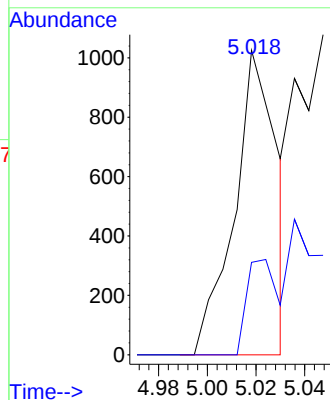


#18
Methyl Acetate
Concen: 0.264 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Instrument :
MSVOA_N
ClientSampleId :

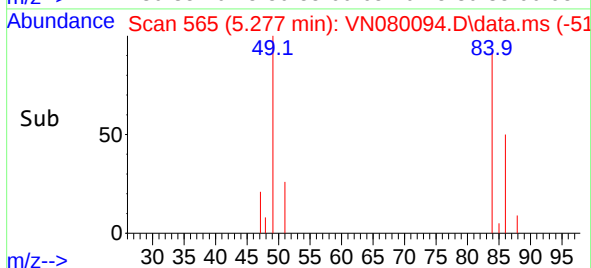
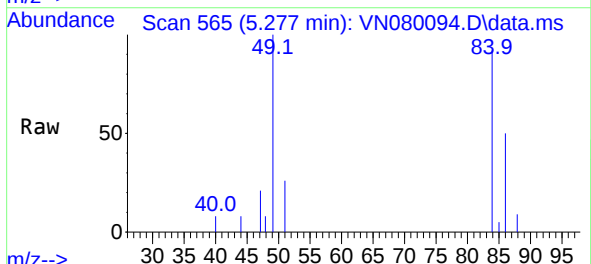
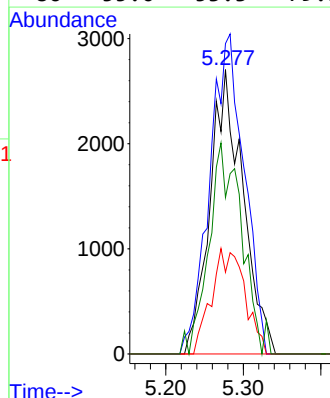


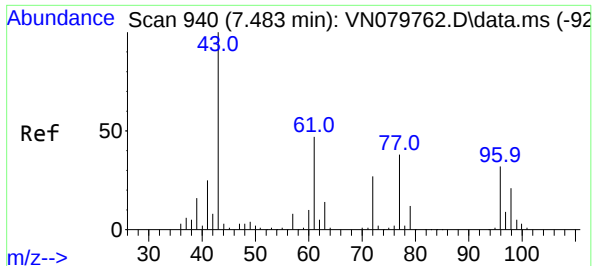
Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
74 77.2 26.2 39.4#



#20
Methylene Chloride
Concen: 3.239 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion: 84 Resp: 7969
Ion Ratio Lower Upper
84 100
49 109.1 79.7 119.5
51 28.8 25.2 37.8
86 55.0 53.3 79.9

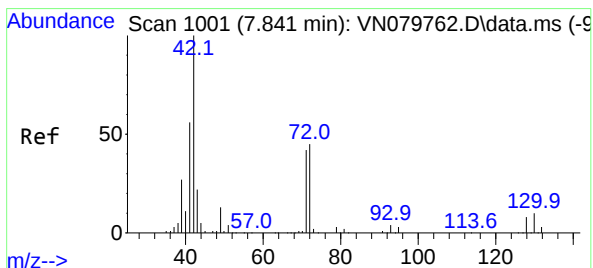
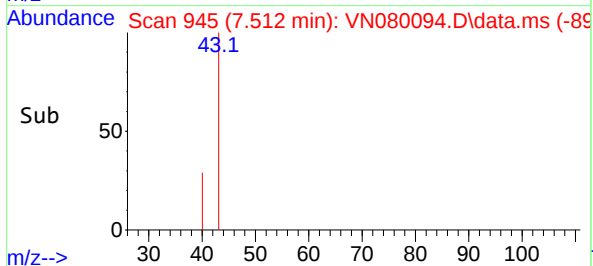
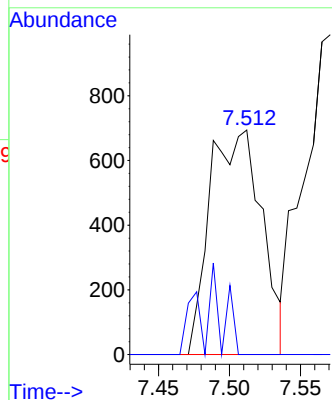
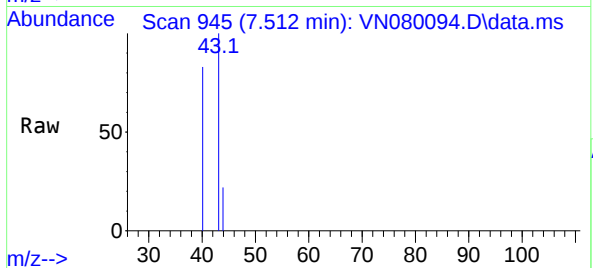




#25
2-Butanone
Concen: 1.239 ug/l
RT: 7.512 min Scan# 940
Delta R.T. 0.024 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

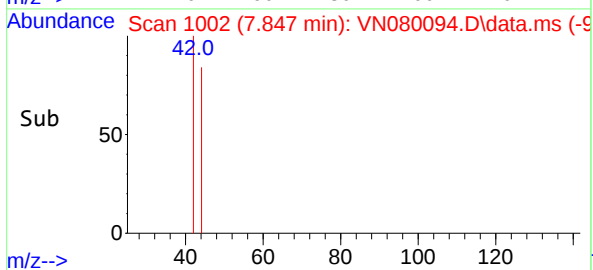
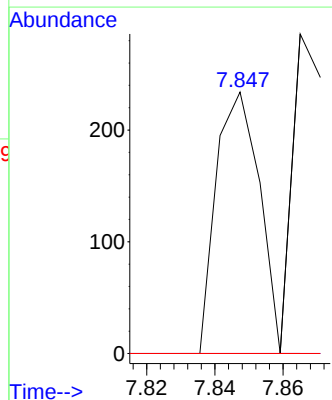
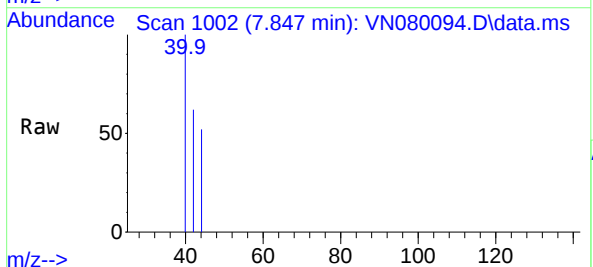
Instrument :
MSVOA_N
ClientSampleId :

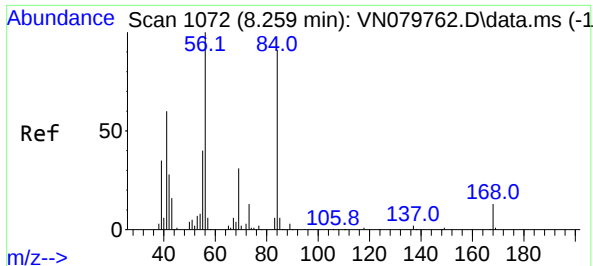
Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

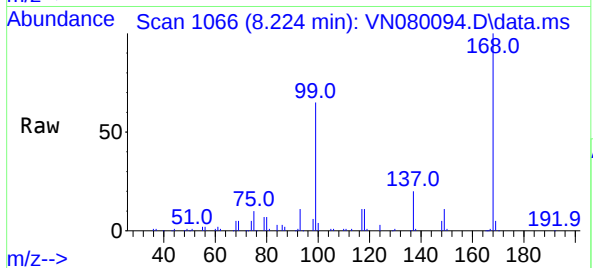
Tgt Ion: 42 Resp: 205
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



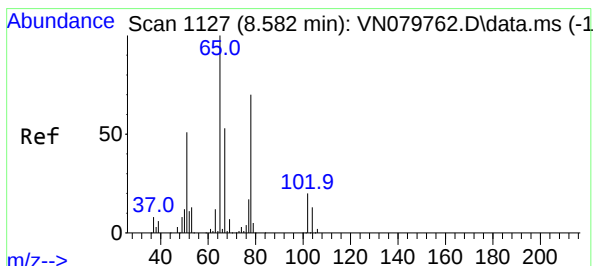
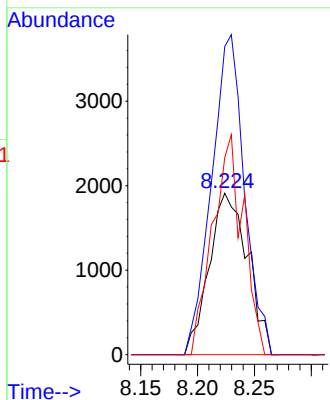
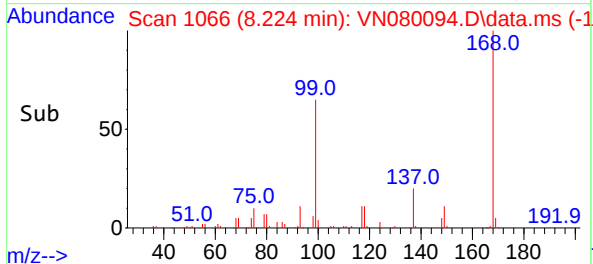


#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Instrument :
MSVOA_N
ClientSampleId :

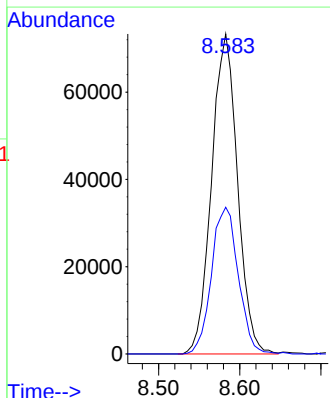
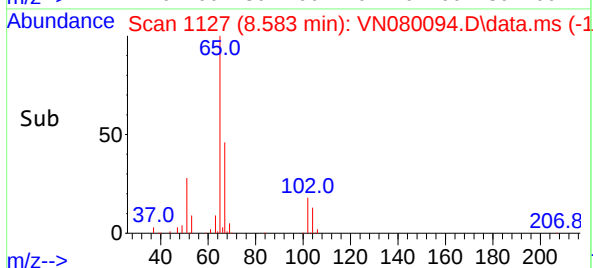
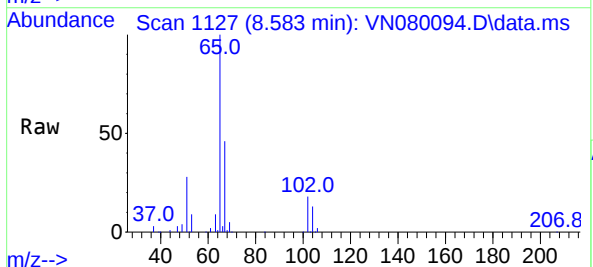


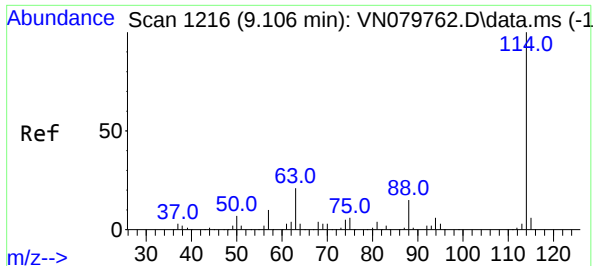
Tgt Ion: 56 Resp: 4505
Ion Ratio Lower Upper
56 100
69 190.8 26.8 40.2#
84 122.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 58.649 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion: 65 Resp: 162779
Ion Ratio Lower Upper
65 100
67 47.4 0.0 106.6

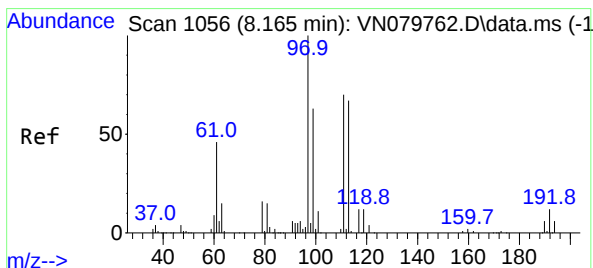
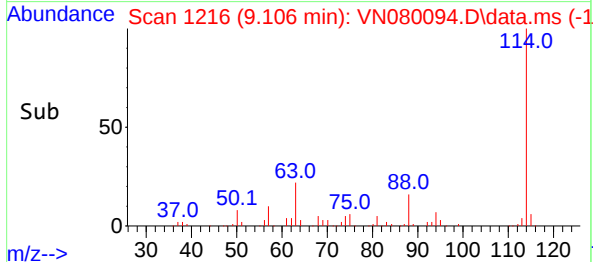
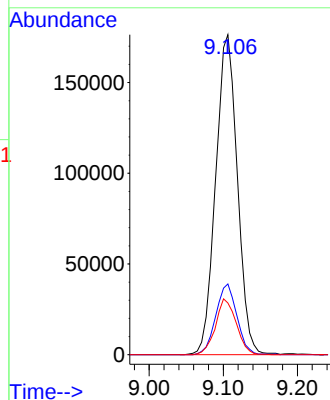
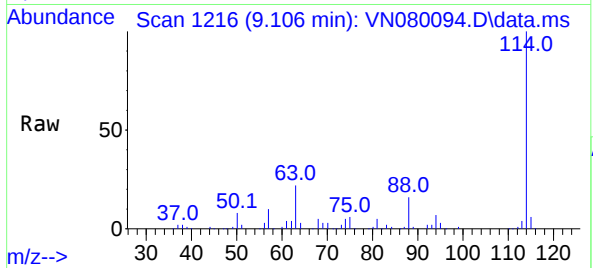




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

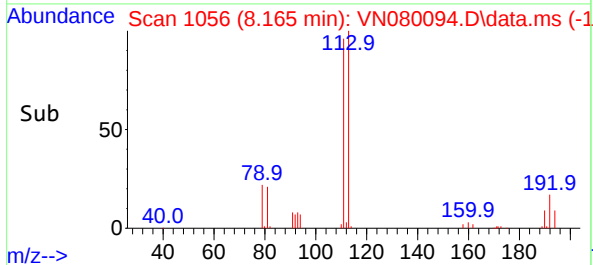
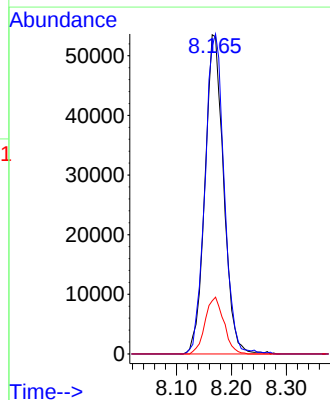
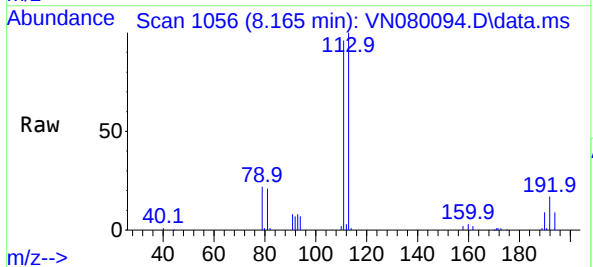
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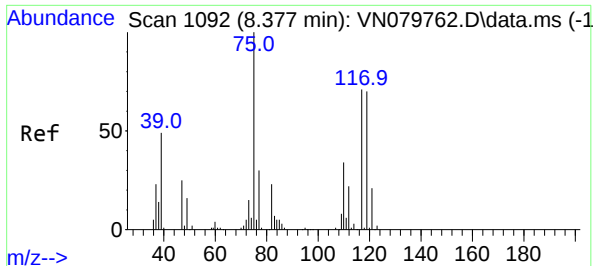
Tgt Ion:114 Resp: 358577
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.4
88 16.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.760 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion:113 Resp: 126284
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 17.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.960 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

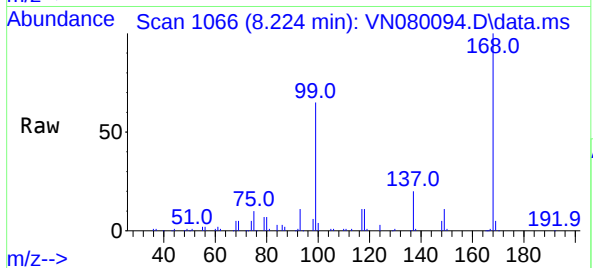
Lab File: VN080094.D

Acq: 14 Nov 2023 17:14

Instrument :

MSVOA_N

ClientSampleId :



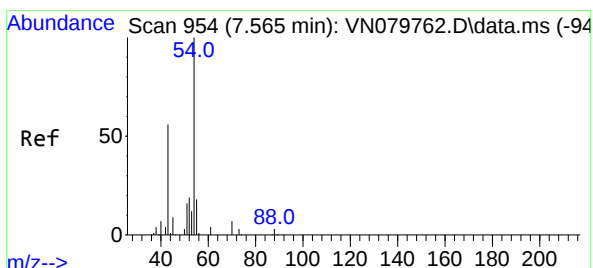
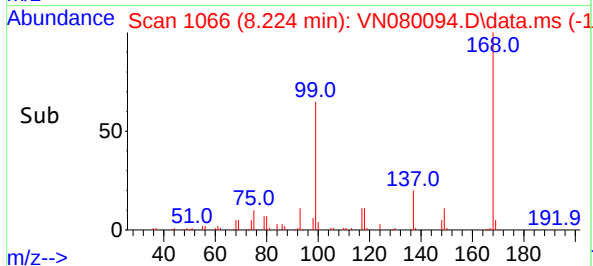
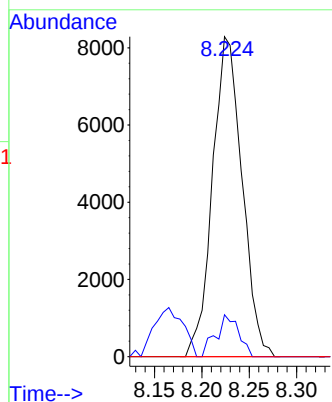
Tgt Ion: 75 Resp: 17974

Ion Ratio Lower Upper

75 100

110 10.1 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.869 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.012 min

Lab File: VN080094.D

Acq: 14 Nov 2023 17:14

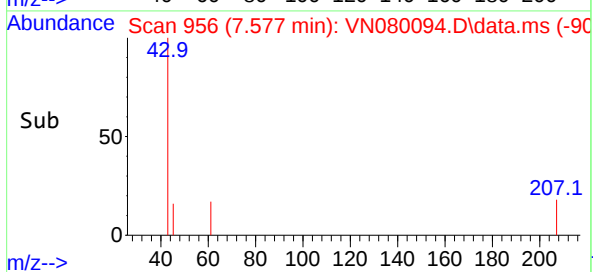
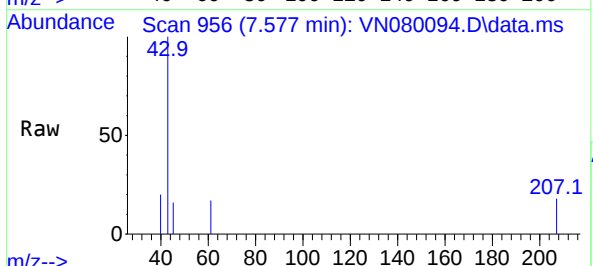
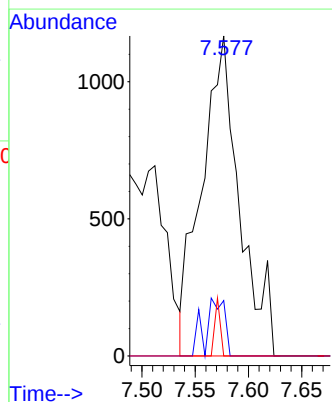
Tgt Ion: 43 Resp: 2889

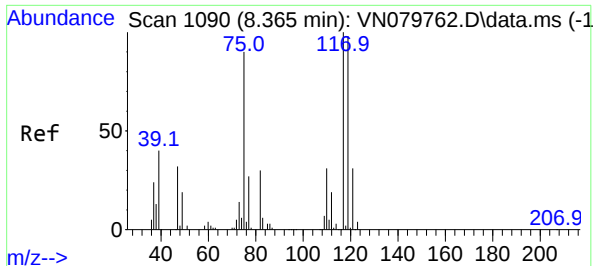
Ion Ratio Lower Upper

43 100

61 9.2 13.2 19.8#

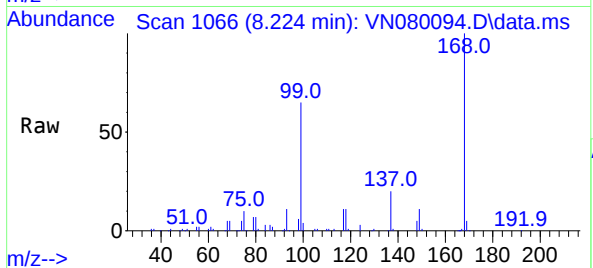
70 2.6 11.3 16.9#



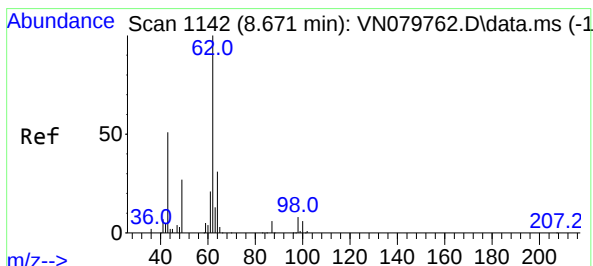
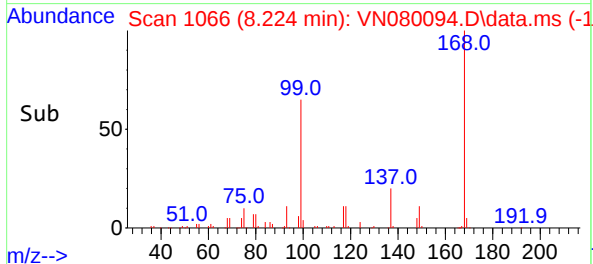
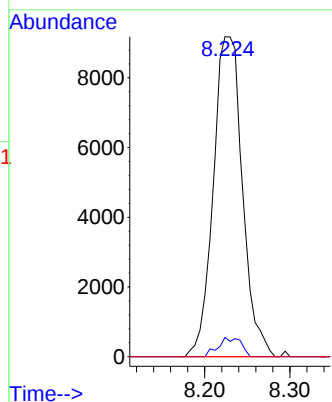


#38
Carbon Tetrachloride
Concen: 5.972 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Instrument :
MSVOA_N
ClientSampleId :

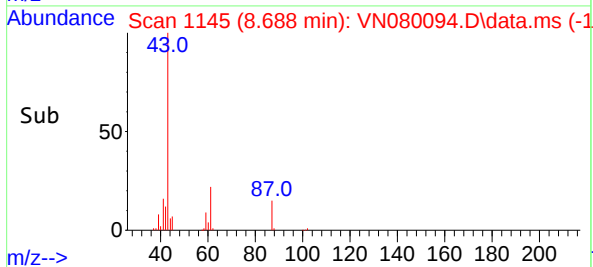
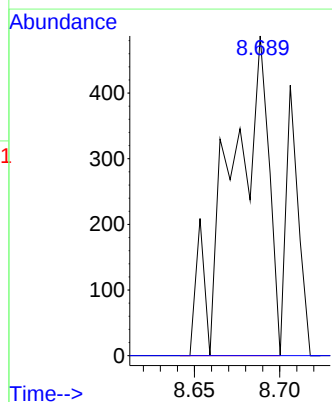
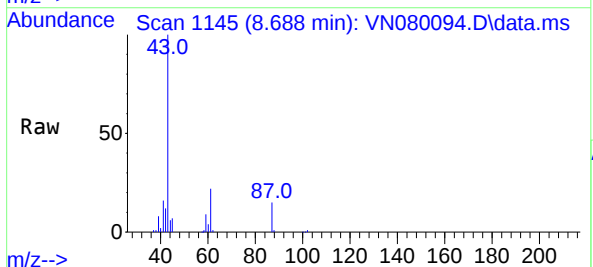


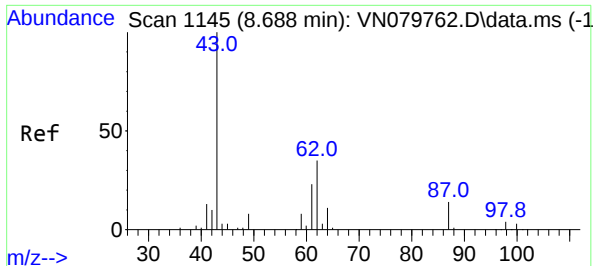
Tgt Ion:117 Resp: 21811
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.200 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion: 62 Resp: 760
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

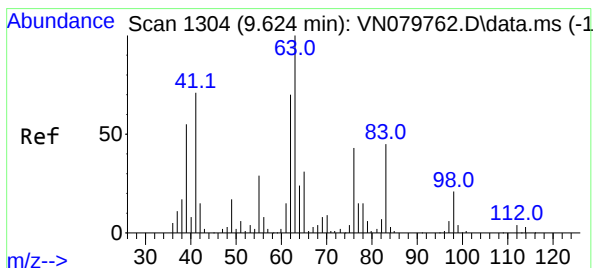
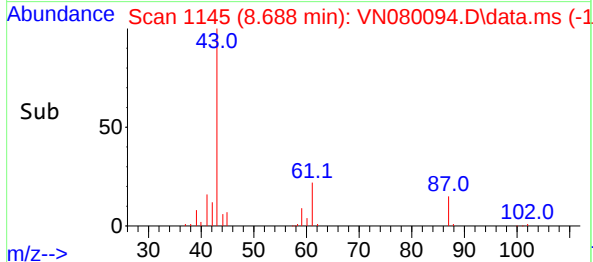
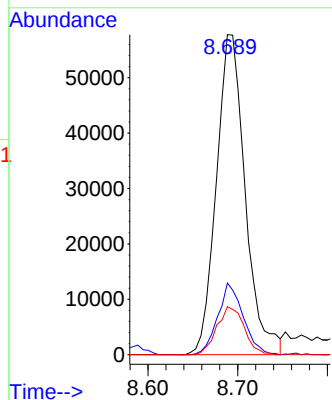
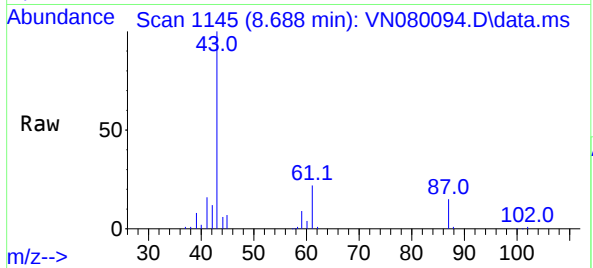




#43
Isopropyl Acetate
Concen: 22.157 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

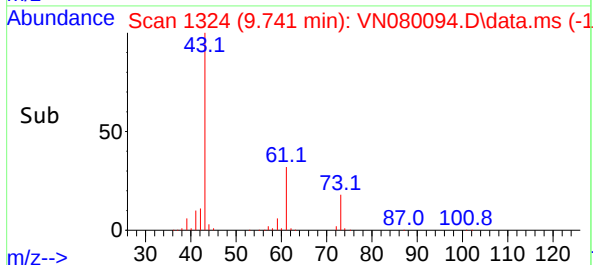
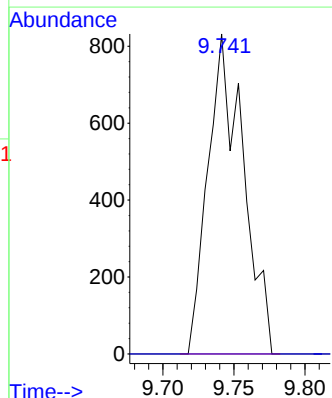
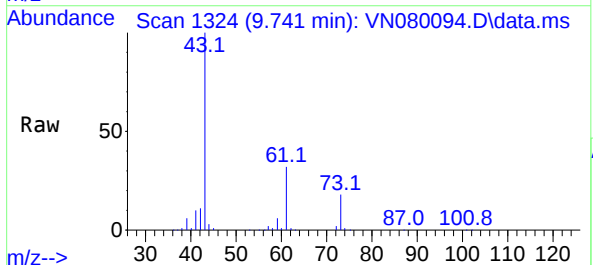
Instrument :
MSVOA_N
ClientSampleId :

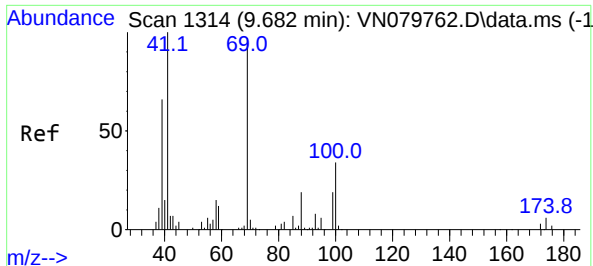
Tgt Ion: 43 Resp: 129130
Ion Ratio Lower Upper
43 100
61 19.7 24.7 37.1#
87 14.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.517 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

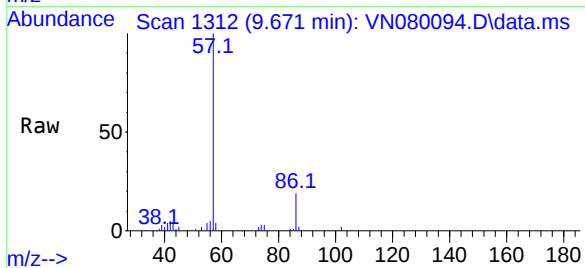
Tgt Ion: 63 Resp: 1433
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



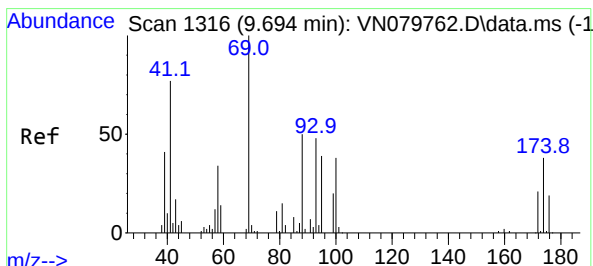
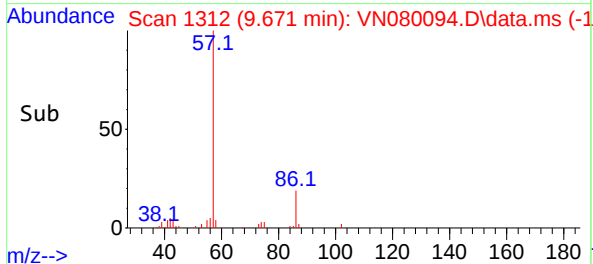
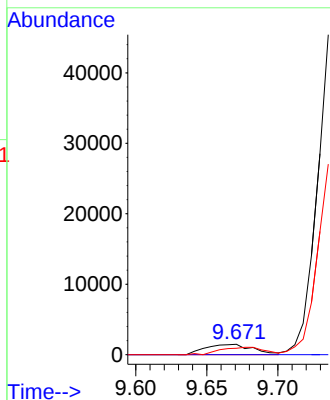


#48
Methyl methacrylate
Concen: 1.342 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Instrument :
MSVOA_N
ClientSampleId :

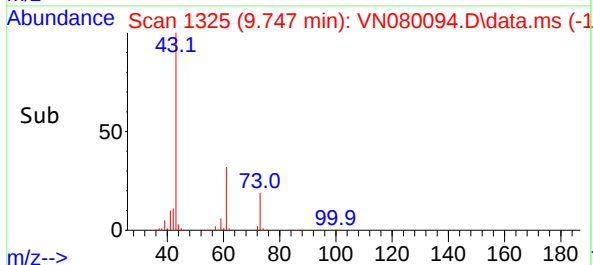
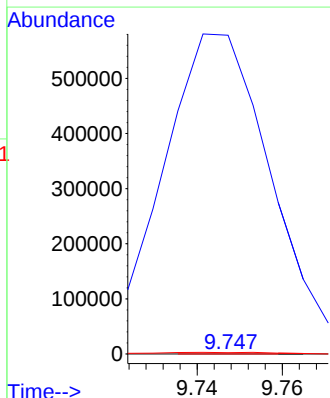
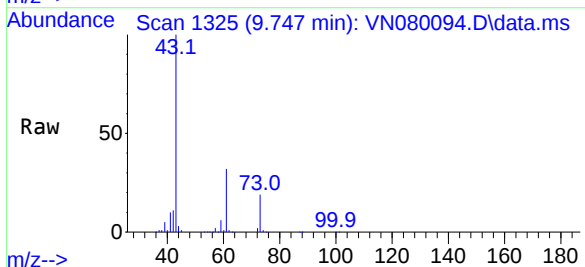


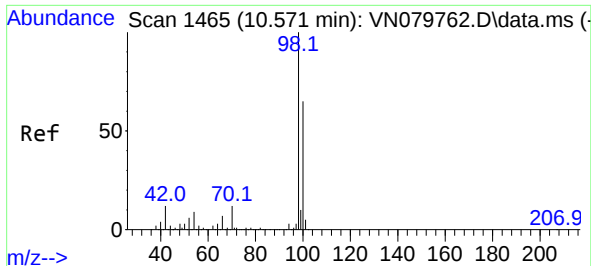
Tgt Ion: 41 Resp: 3426
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 67.2 54.6 81.8



#49
1,4-Dioxane
Concen: 1.197 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 1960505.6 17.0 25.6#
58 10927.8 47.0 70.4#

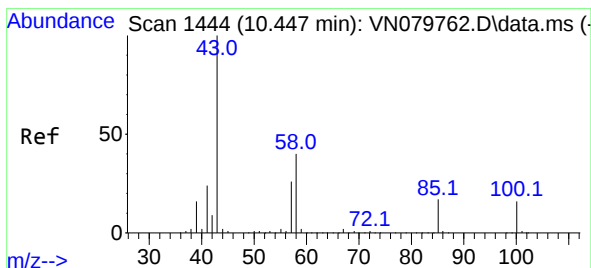
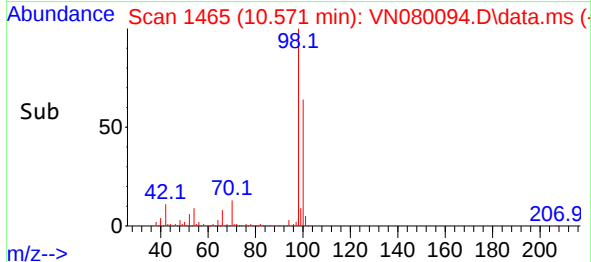
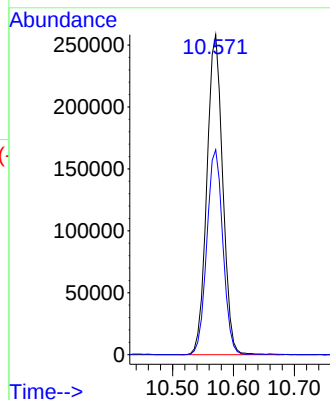
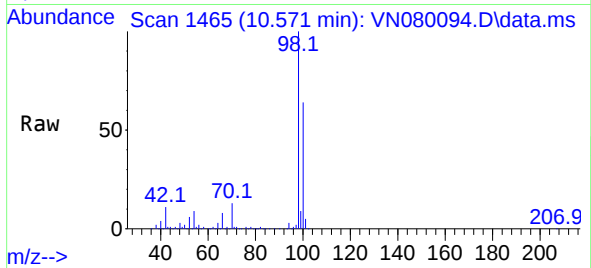




#50
Toluene-d8
Concen: 49.974 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

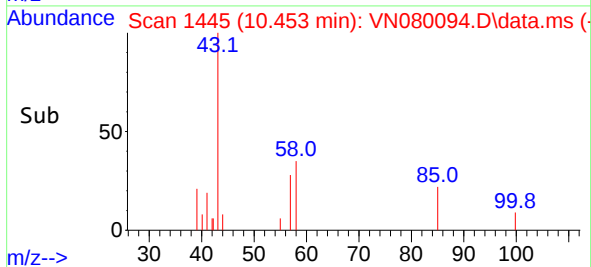
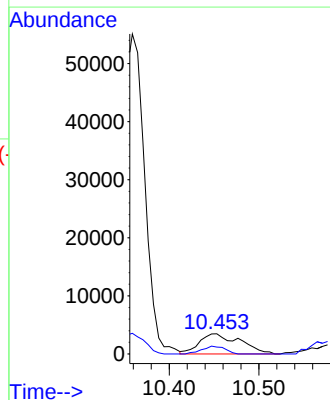
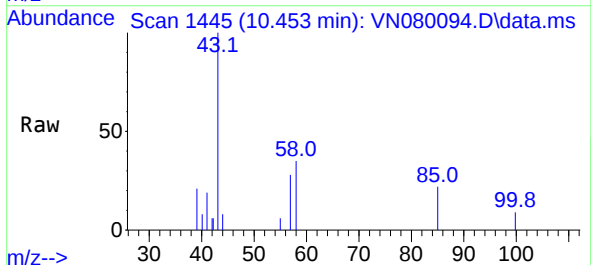
Instrument :
MSVOA_N
ClientSampleId :

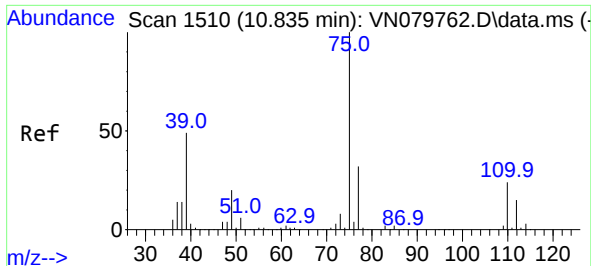
Tgt Ion: 98 Resp: 466899
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.364 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion: 43 Resp: 11037
Ion Ratio Lower Upper
43 100
58 21.7 36.6 54.8#

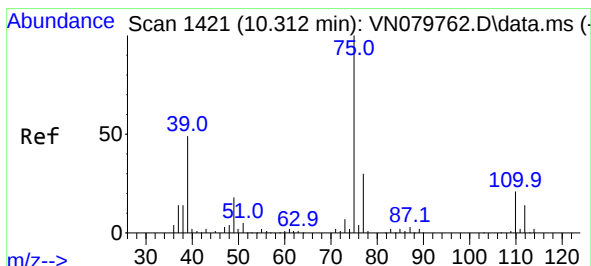
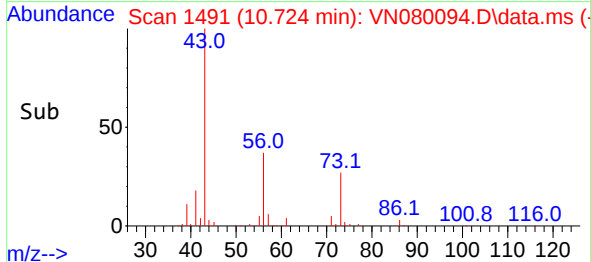
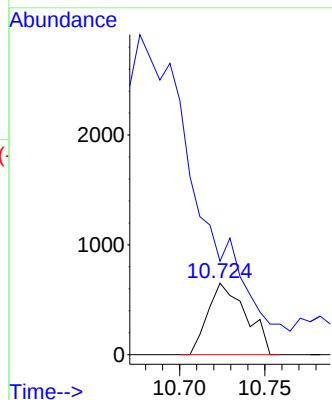
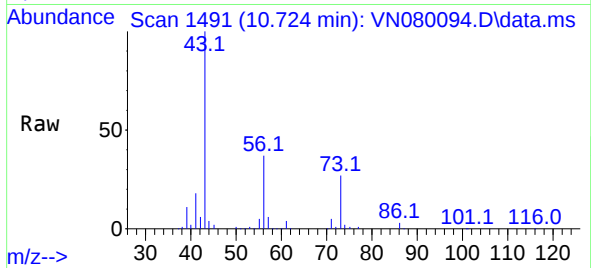




#53
 t-1,3-Dichloropropene
 Concen: 0.256 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.117 min
 Lab File: VN080094.D
 Acq: 14 Nov 2023 17:14

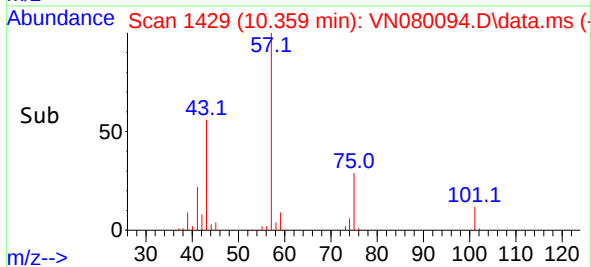
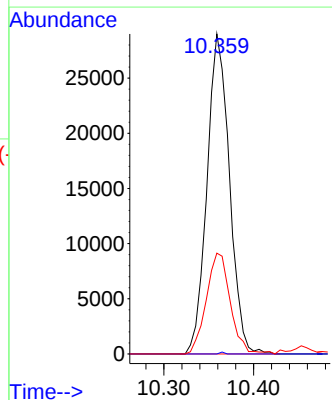
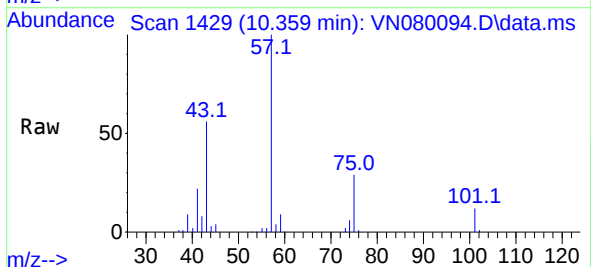
Instrument :
 MSVOA_N
 ClientSampleId :

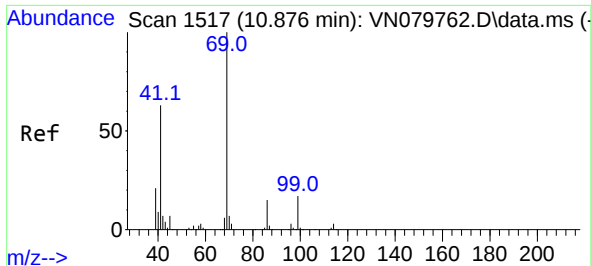
Tgt Ion: 75 Resp: 1015
 Ion Ratio Lower Upper
 75 100
 77 87.7 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.686 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080094.D
 Acq: 14 Nov 2023 17:14

Tgt Ion: 75 Resp: 50436
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 31.5 31.6 47.4#

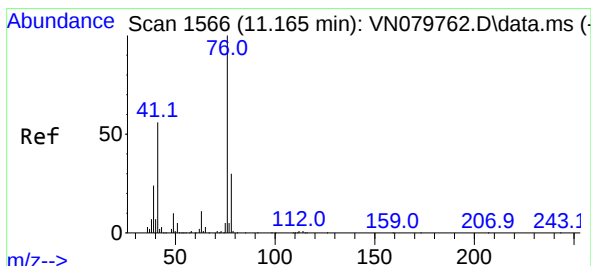
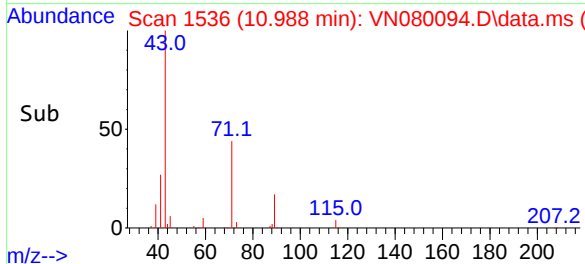
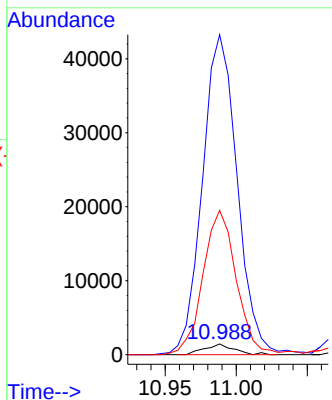
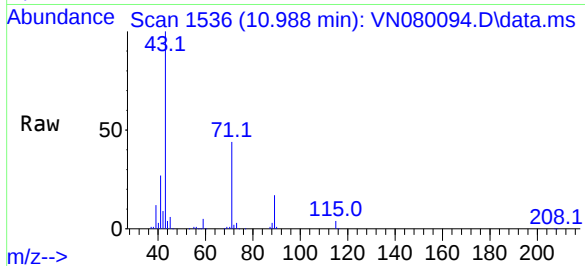




#56
Ethyl methacrylate
Concen: 0.564 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

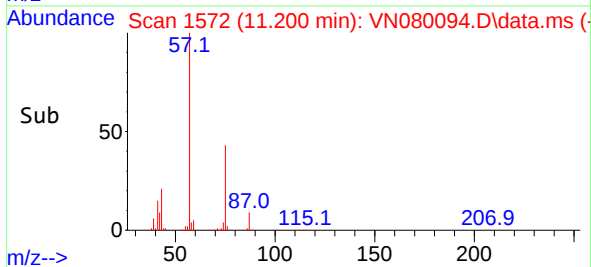
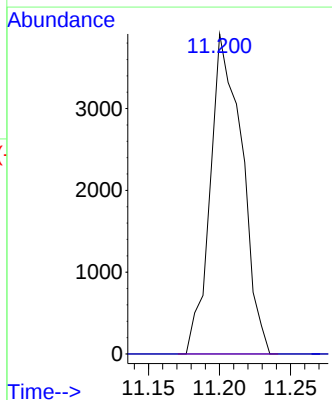
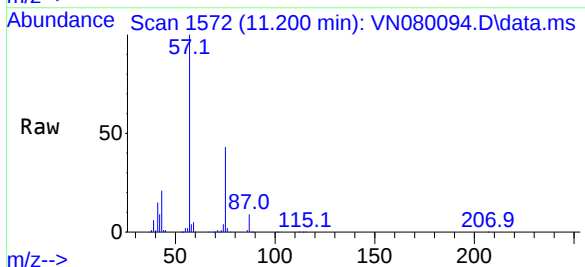
Instrument :
MSVOA_N
ClientSampleId :

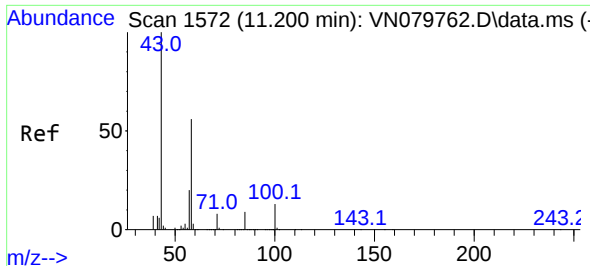
Tgt Ion: 69 Resp: 2082
Ion Ratio Lower Upper
69 100
41 3557.6 39.6 59.4#
39 1543.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.333 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.036 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion: 76 Resp: 6080
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

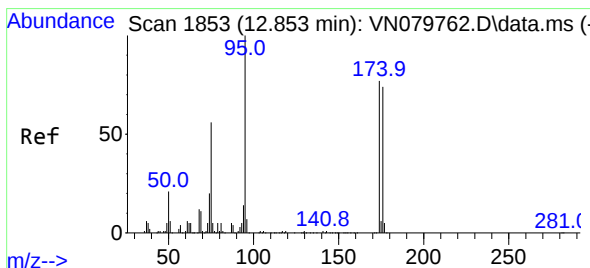
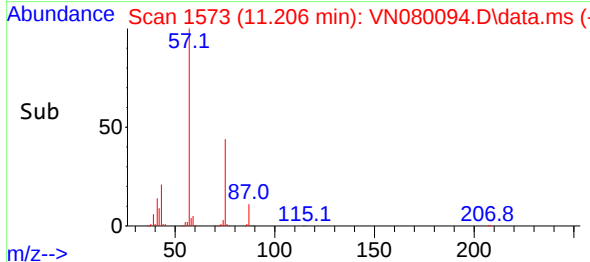
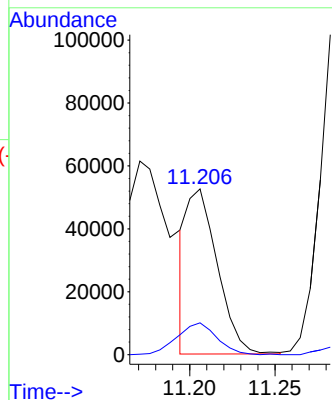
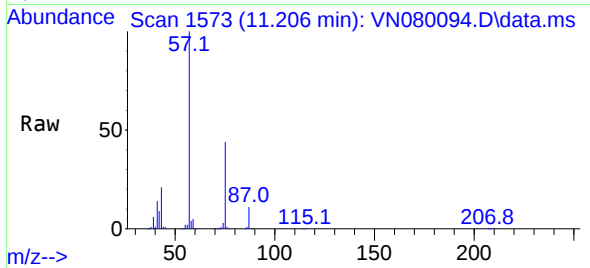




#59
2-Hexanone
Concen: 25.979 ug/l
RT: 11.206 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

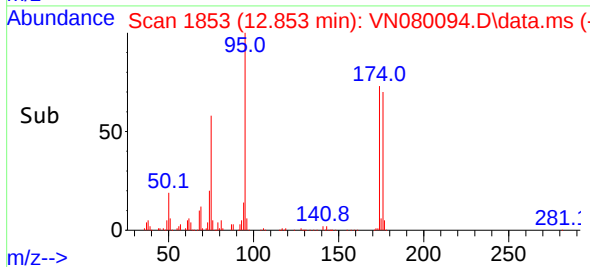
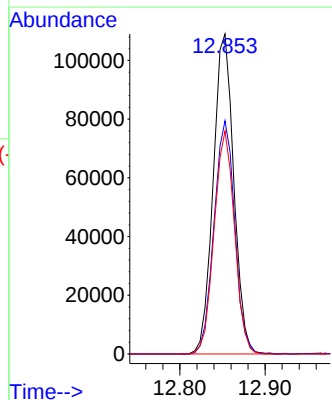
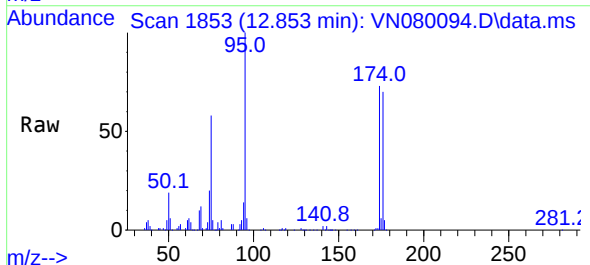
Instrument :
MSVOA_N
ClientSampleId :

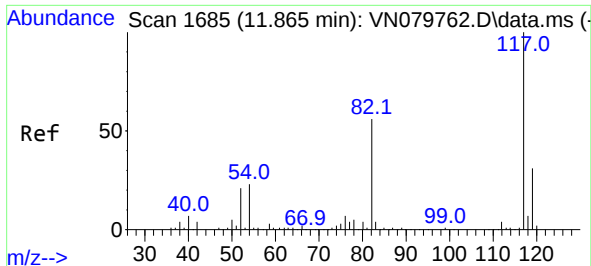
Tgt Ion: 43 Resp: 65210
Ion Ratio Lower Upper
43 100
58 25.3 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 58.900 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

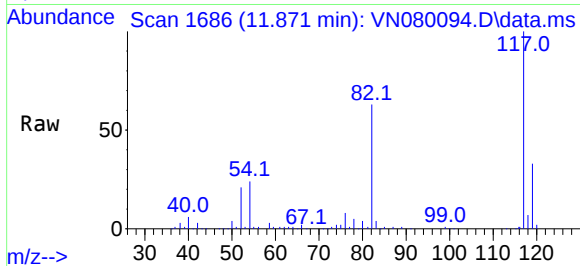
Tgt Ion: 95 Resp: 182503
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 69.0 0.0 135.8



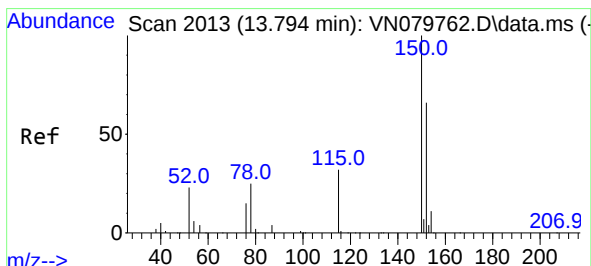
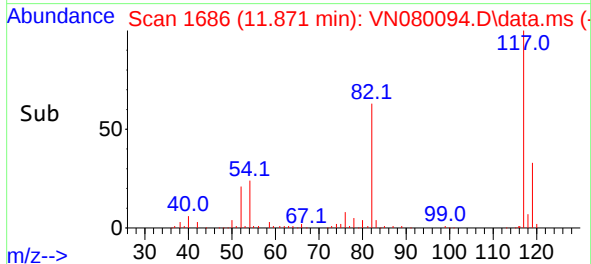
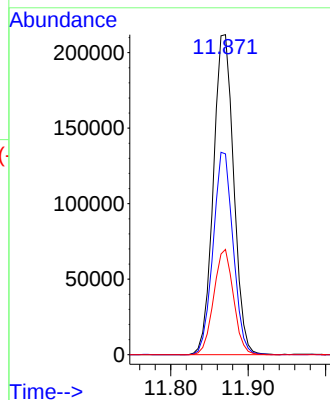


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Instrument :
MSVOA_N
ClientSampleId :

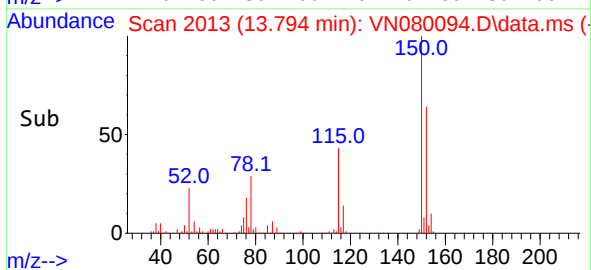
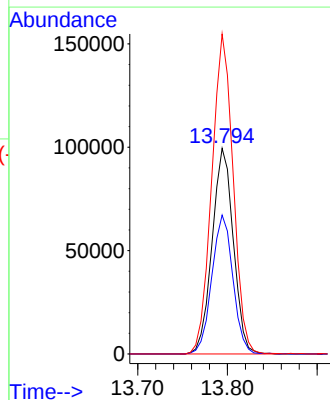
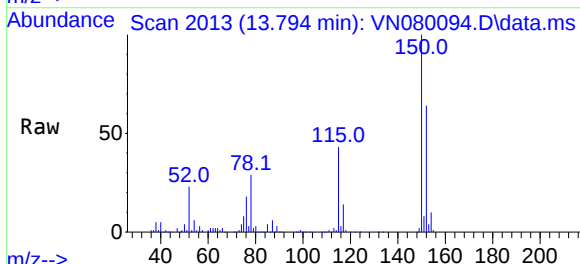


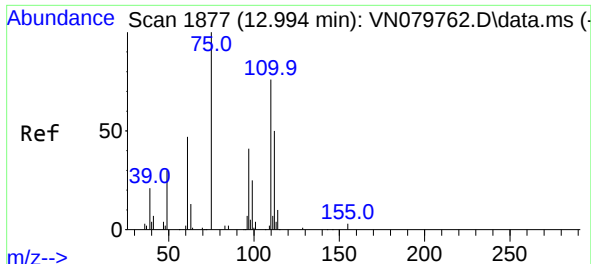
Tgt Ion:117 Resp: 386282
Ion Ratio Lower Upper
117 100
82 62.8 44.0 66.0
119 32.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion:152 Resp: 163505
Ion Ratio Lower Upper
152 100
115 67.1 32.3 96.8
150 156.4 0.0 355.8

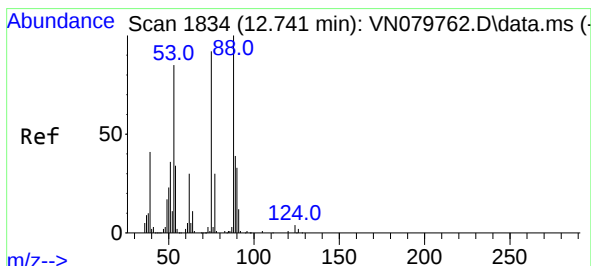
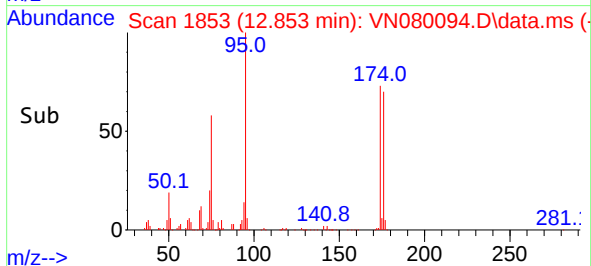
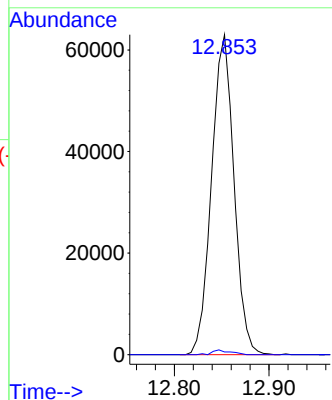
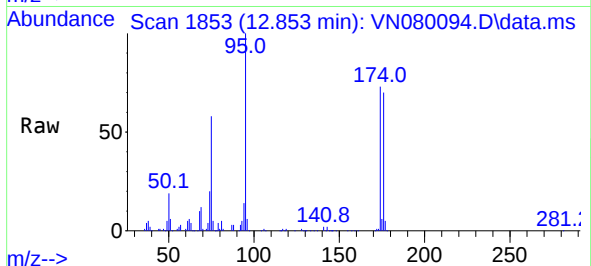




#76
1,2,3-Trichloropropane
Concen: 27.004 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 103657
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.471 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080094.D
Acq: 14 Nov 2023 17:14

Tgt Ion: 75 Resp: 103657
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

