

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080064.D
 Acq On : 13 Nov 2023 14:19
 Operator : JC\MD
 Sample : PB157075ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 19:24:10 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)

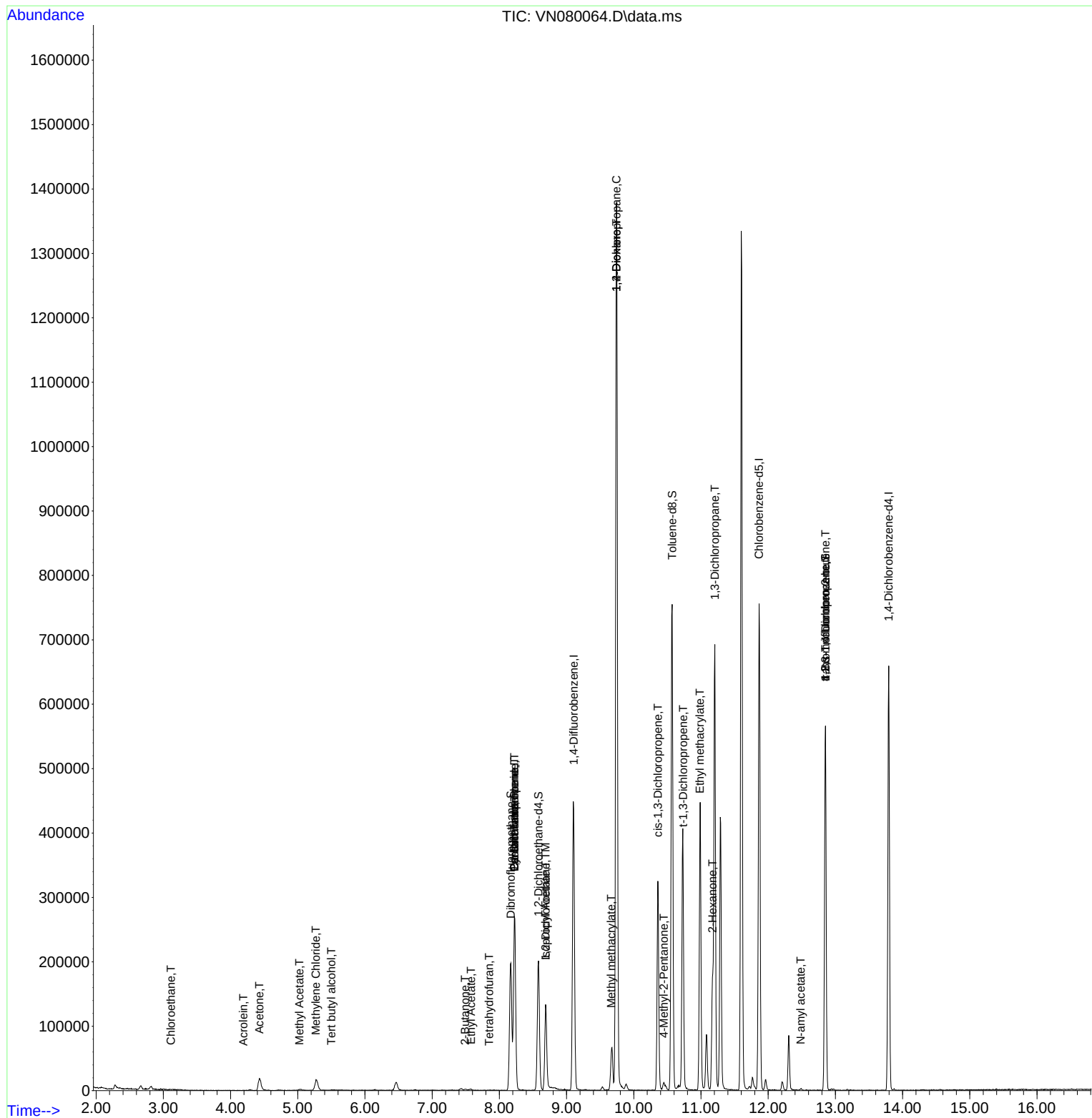
Internal Standards						
1) Pentafluorobenzene	8.224	168	190058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	374930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	424121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	174916	60.408	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.820%			
35) Dibromofluoromethane	8.171	113	143388	54.035	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.080%			
50) Toluene-d8	10.570	98	529492	54.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.400%			
62) 4-Bromofluorobenzene	12.853	95	197521	60.966	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.940%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	504	Below Cal	#	42
6) Chloroethane	3.112	64	552	0.233	ug/l #	43
11) Tert butyl alcohol	5.500	59	364	0.985	ug/l #	72
13) Acrolein	4.189	56	150	3.004	ug/l #	16
16) Acetone	4.430	43	36471	35.858	ug/l	97
18) Methyl Acetate	5.024	43	1196	0.246	ug/l #	42
20) Methylene Chloride	5.271	84	13385	5.215	ug/l #	86
25) 2-Butanone	7.488	43	2922	1.962	ug/l #	62
29) Tetrahydrofuran	7.847	42	485	0.501	ug/l #	20
31) Cyclohexane	8.224	56	5045	1.319	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	15846	4.182	ug/l #	47
37) Ethyl Acetate	7.577	43	3809	1.096	ug/l #	74
38) Carbon Tetrachloride	8.224	117	22210	5.816	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1152	0.291	ug/l #	73
43) Isopropyl Acetate	8.688	43	144916	23.781	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1581	0.545	ug/l #	45
48) Methyl methacrylate	9.665	41	3905	1.463	ug/l #	27
49) 1,4-Dioxane	9.741	88	162	3.435	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7049	2.055	ug/l	100
53) t-1,3-Dichloropropene	10.735	75	1263	0.305	ug/l #	60
54) cis-1,3-Dichloropropene	10.359	75	58339	12.928	ug/l #	70
56) Ethyl methacrylate	10.982	69	2672	0.692	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7236	1.517	ug/l #	42
59) 2-Hexanone	11.170	43	130280	49.639	ug/l #	19
74) N-amyl acetate	12.482	43	1387	0.242	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	109517	26.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109517	73.285	ug/l #	15

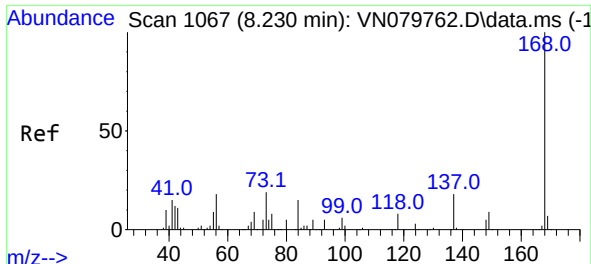
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB157075ZHE#05
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Quant Time: Nov 14 19:24:10 2023
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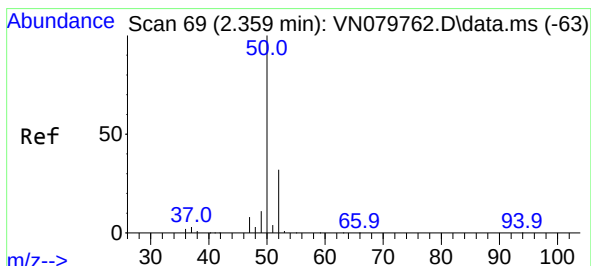
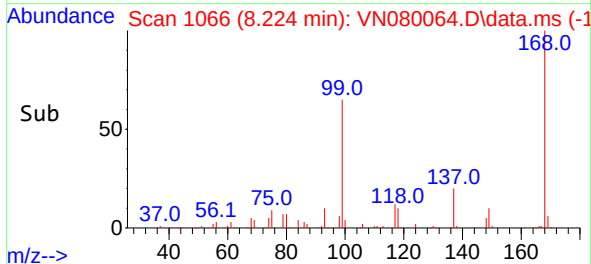
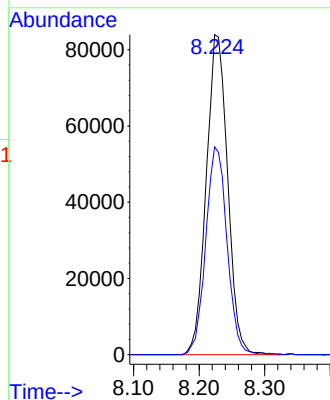
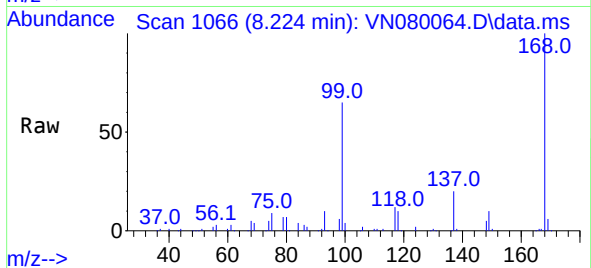




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

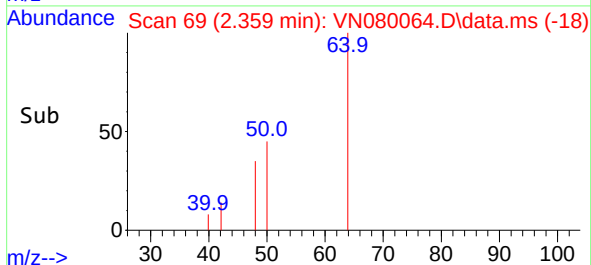
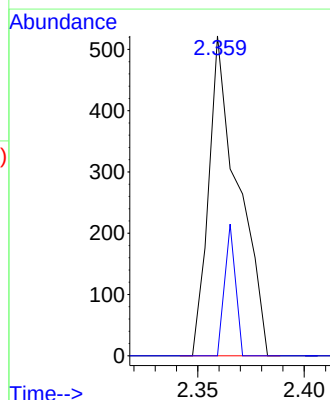
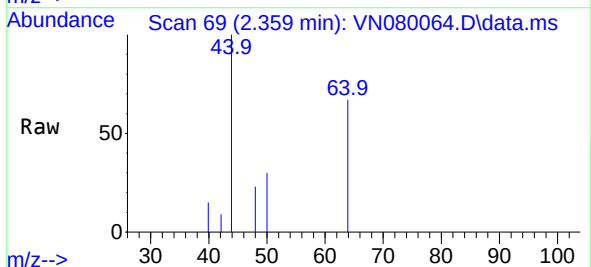
Instrument :
MSVOA_N
ClientSampleId :

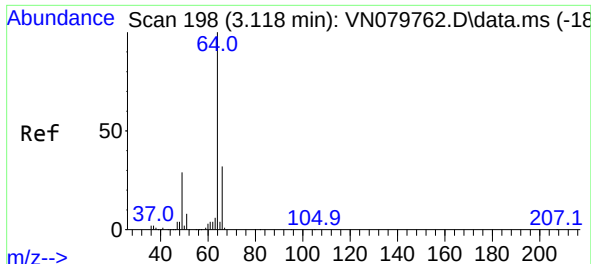
Tgt Ion:168 Resp: 190058
Ion Ratio Lower Upper
168 100
99 64.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

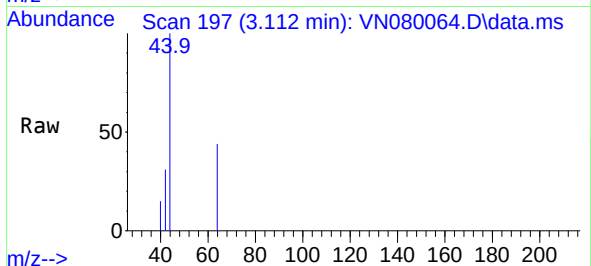
Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



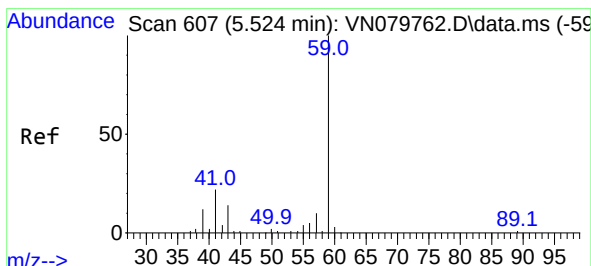
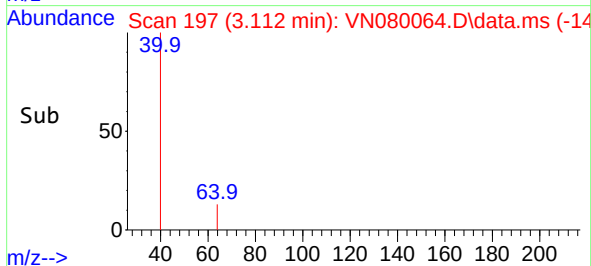
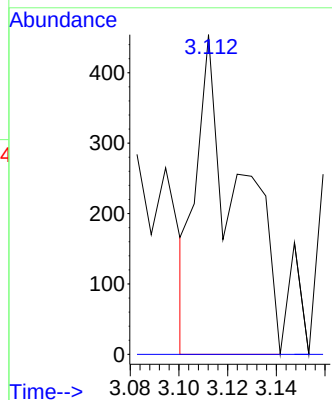


#6
Chloroethane
Concen: 0.233 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

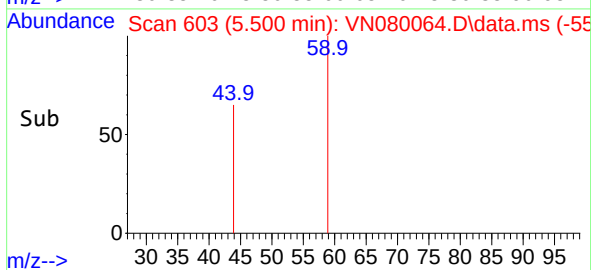
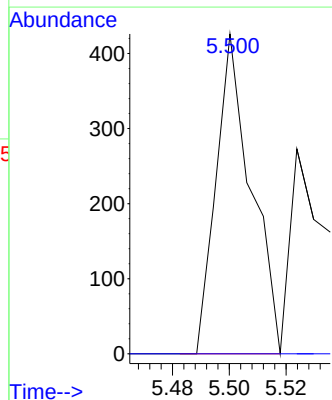
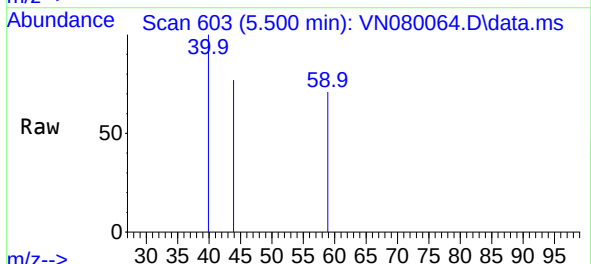


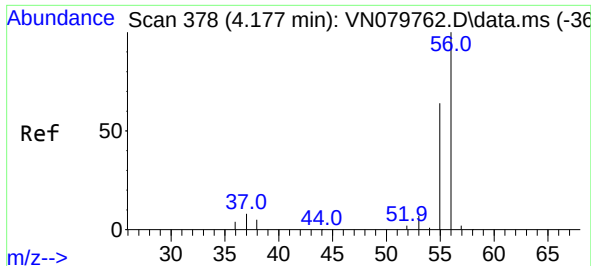
Tgt Ion: 64 Resp: 552
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.985 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.018 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

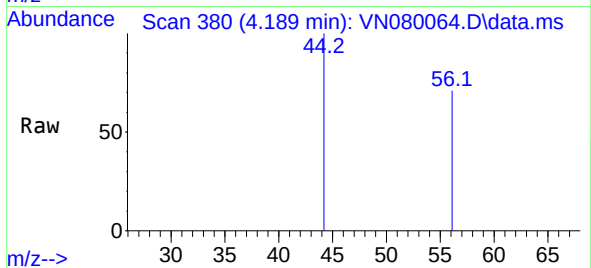
Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



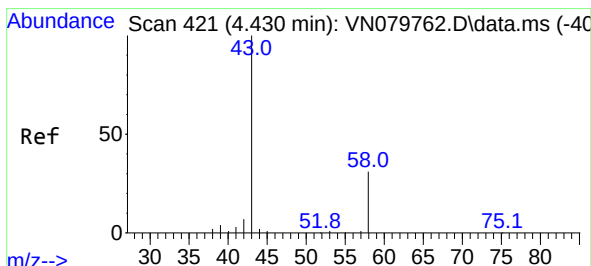
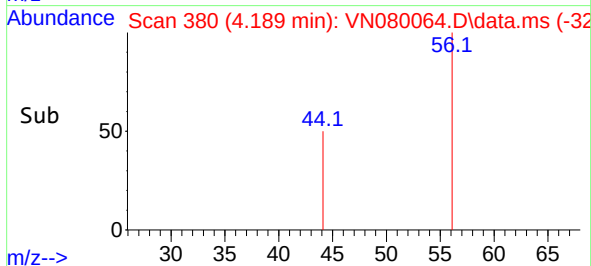
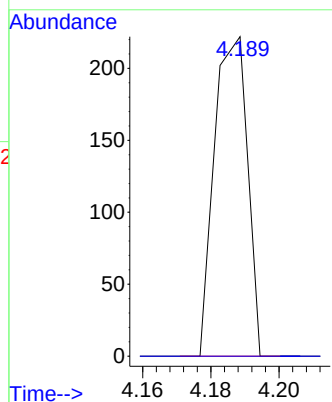


#13
Acrolein
Concen: 3.004 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

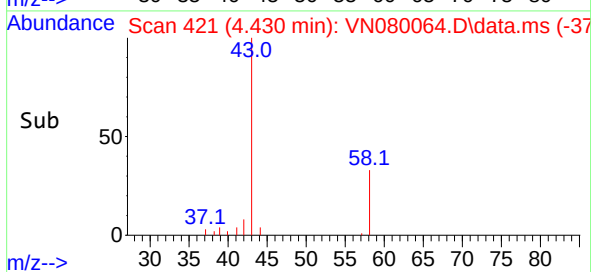
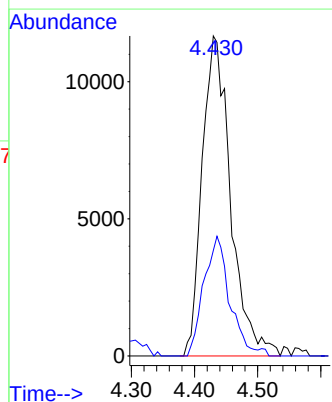
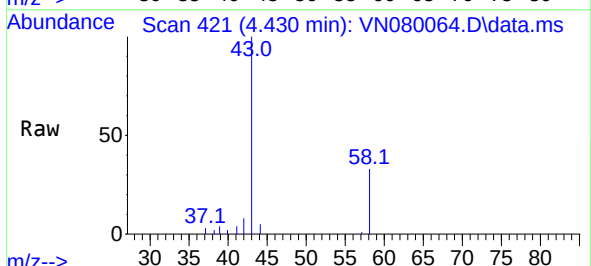


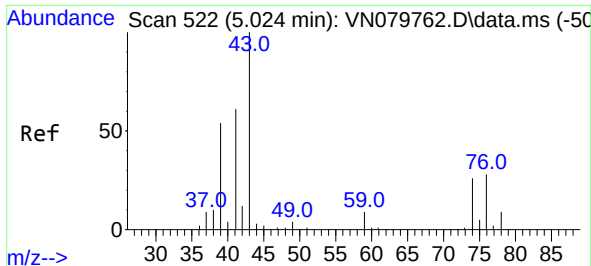
Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 35.858 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Tgt Ion: 43 Resp: 36471
Ion Ratio Lower Upper
43 100
58 33.0 28.0 42.0

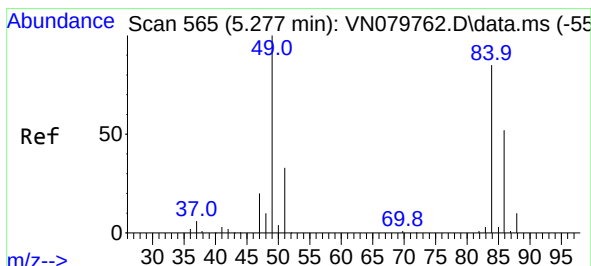
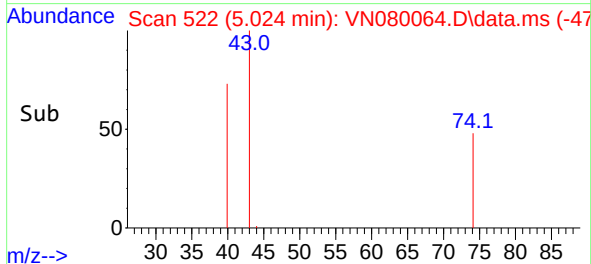
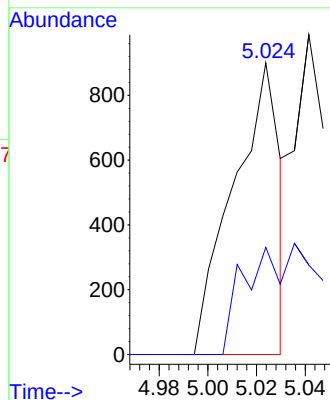
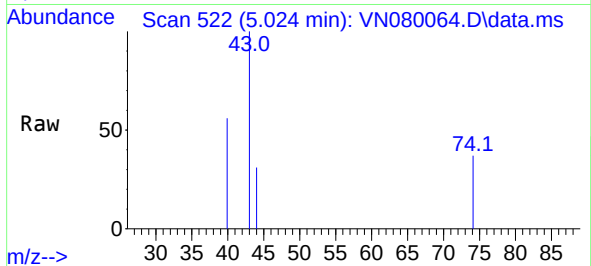




#18
Methyl Acetate
Concen: 0.246 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

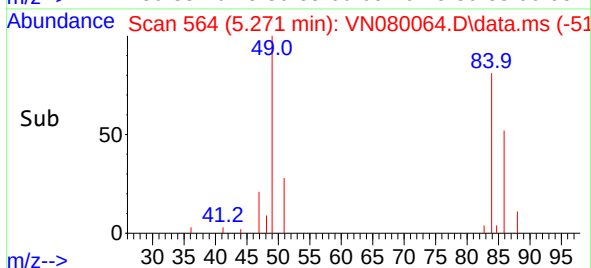
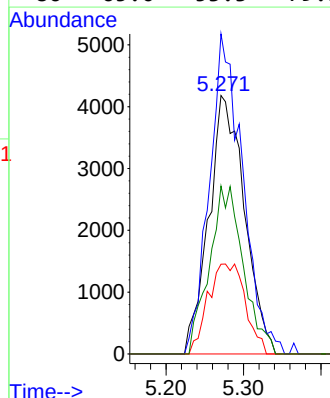
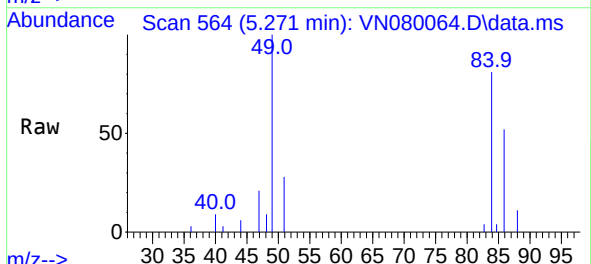
Instrument :
MSVOA_N
ClientSampleId :

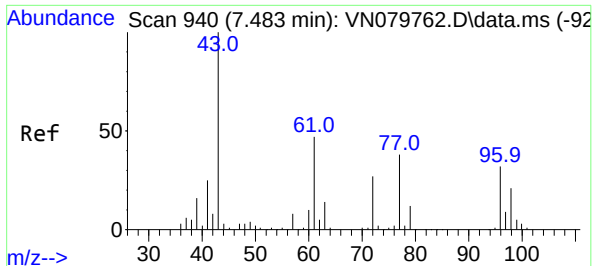
Tgt Ion: 43 Resp: 1196
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 5.215 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Tgt Ion: 84 Resp: 13385
Ion Ratio Lower Upper
84 100
49 123.8 79.7 119.5#
51 34.8 25.2 37.8
86 65.0 53.3 79.9





#25

2-Butanone

Concen: 1.962 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN080064.D

Acq: 13 Nov 2023 14:19

Instrument :

MSVOA_N

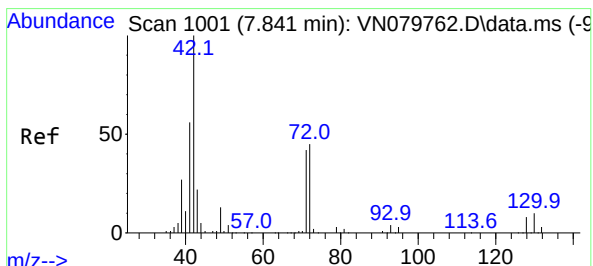
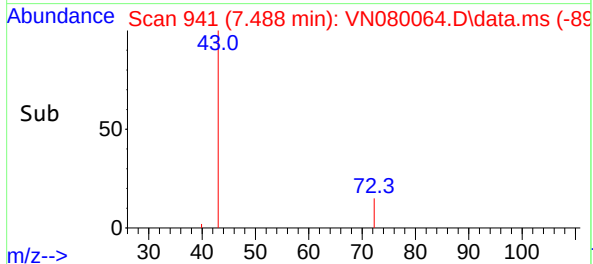
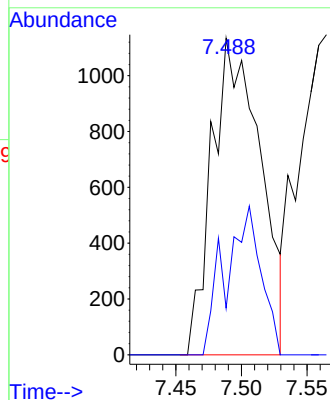
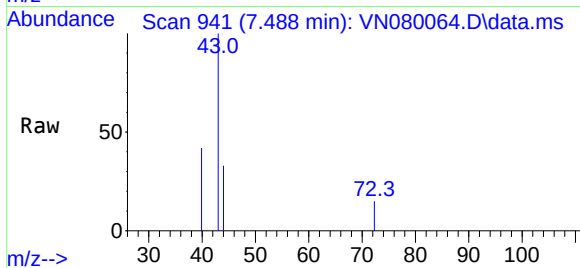
ClientSampleId :

Tgt Ion: 43 Resp: 2922

Ion Ratio Lower Upper

43 100

72 14.7 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.501 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.006 min

Lab File: VN080064.D

Acq: 13 Nov 2023 14:19

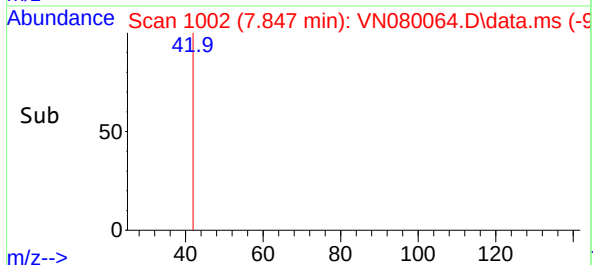
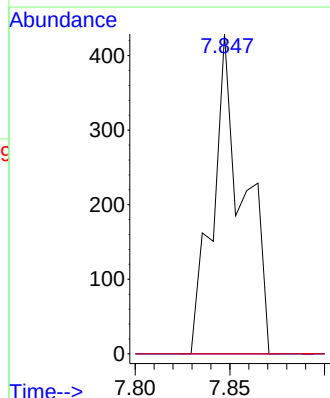
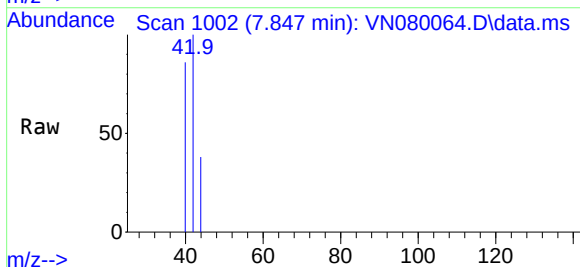
Tgt Ion: 42 Resp: 485

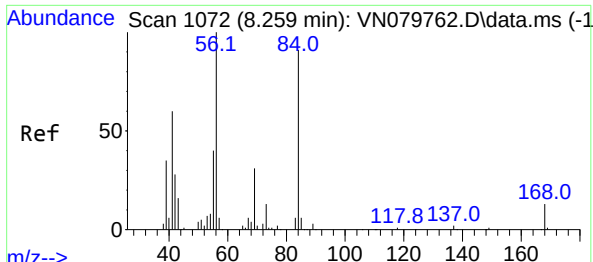
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

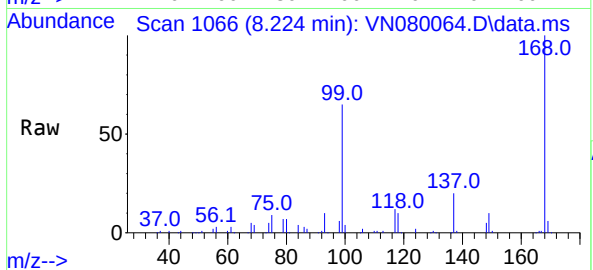
71 0.0 47.4 71.2#



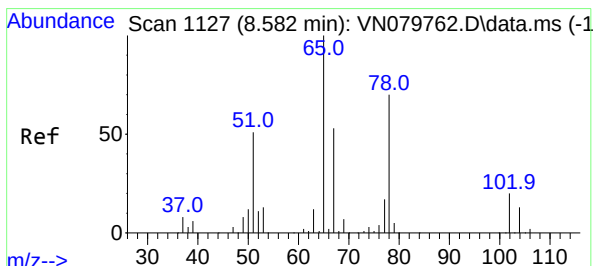
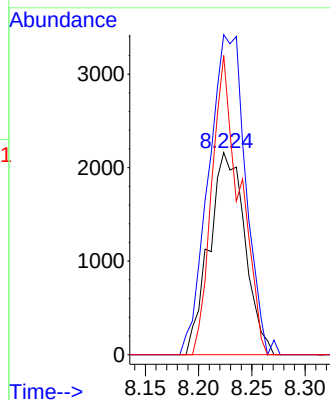
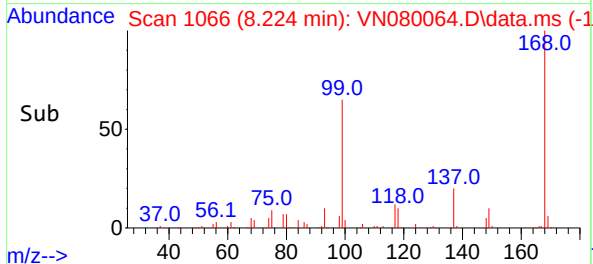


#31
Cyclohexane
Concen: 1.319 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

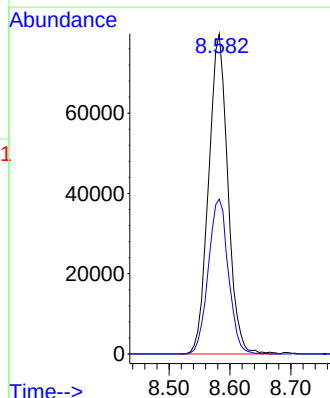
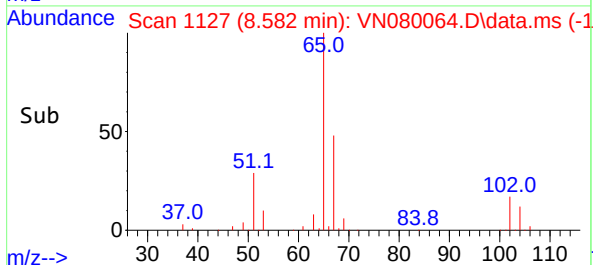
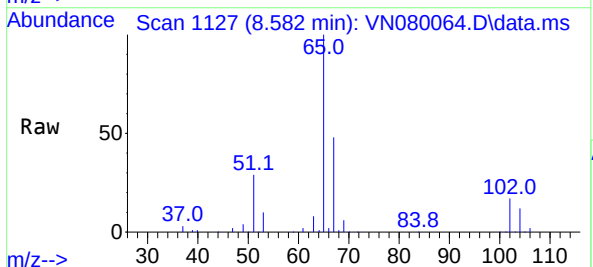


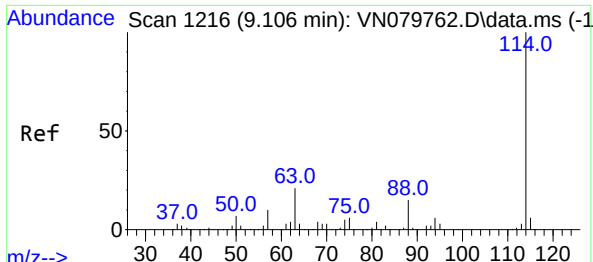
Tgt Ion: 56 Resp: 5045
Ion Ratio Lower Upper
56 100
69 158.4 26.8 40.2#
84 148.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 60.408 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Tgt Ion: 65 Resp: 174916
Ion Ratio Lower Upper
65 100
67 50.4 0.0 106.6

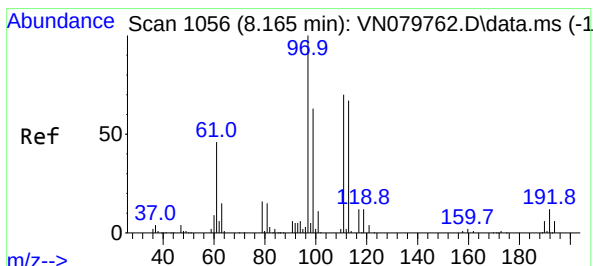
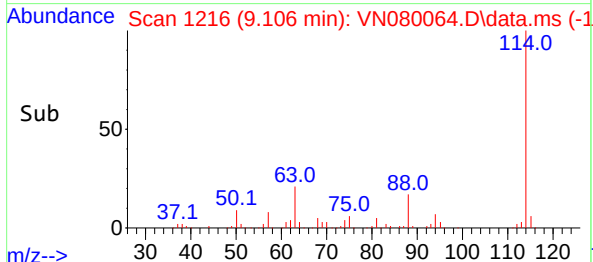
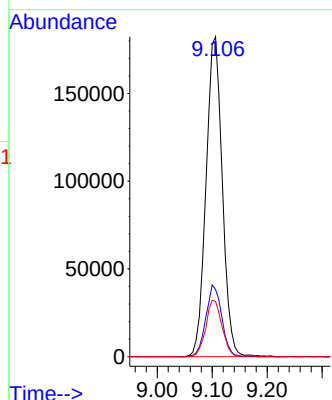
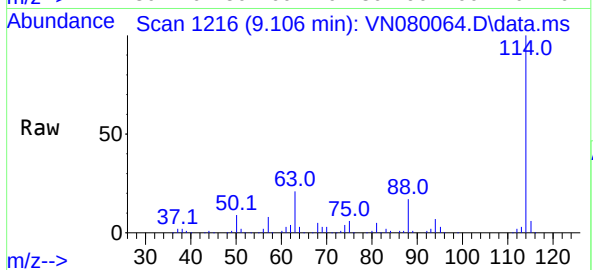




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

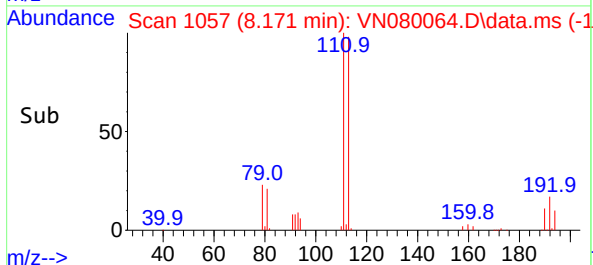
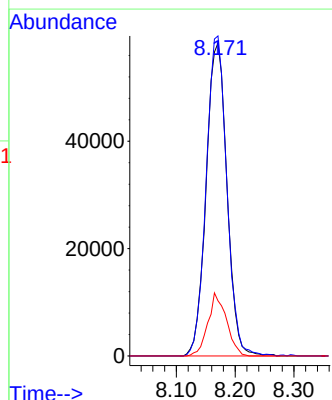
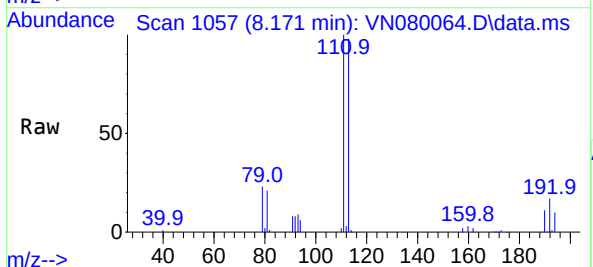
Instrument :
MSVOA_N
ClientSampleId :

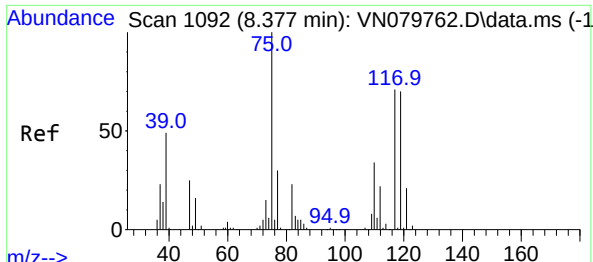
Tgt Ion:114 Resp: 374930
Ion Ratio Lower Upper
114 100
63 21.0 0.0 36.4
88 17.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.035 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

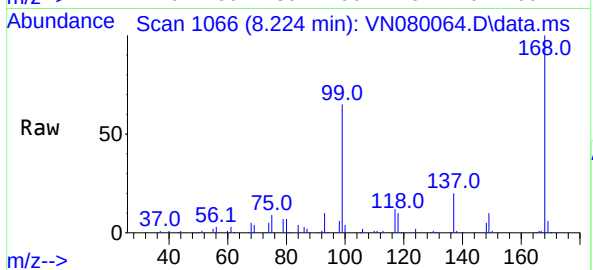
Tgt Ion:113 Resp: 143388
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 17.9 12.7 19.1



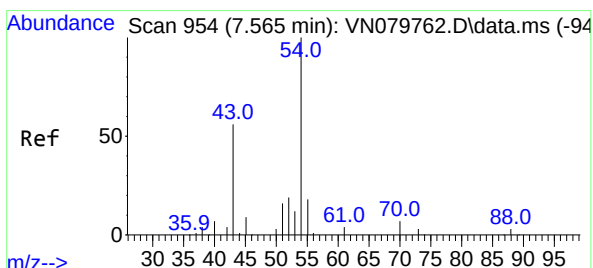
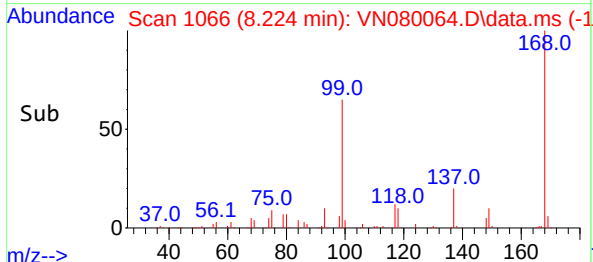
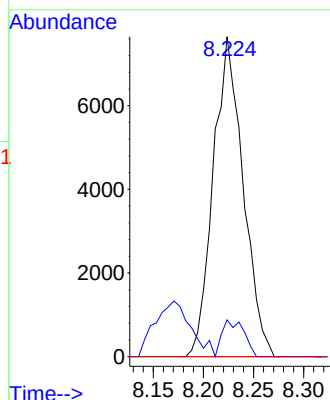


#36
1,1-Dichloropropene
Concen: 4.182 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

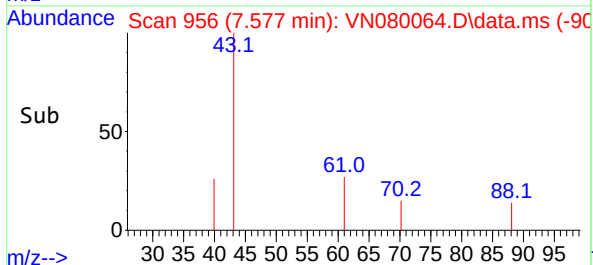
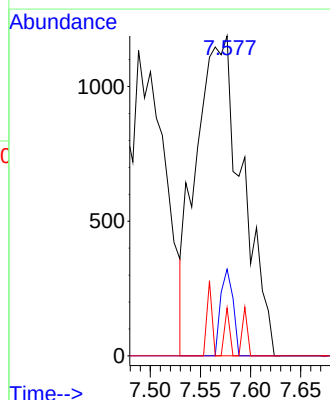
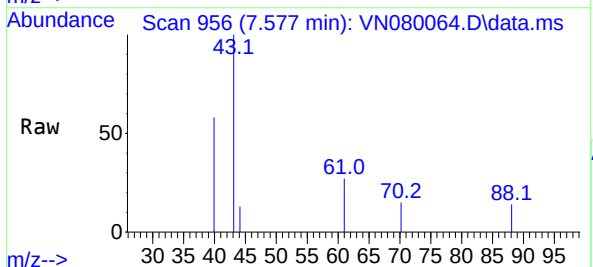


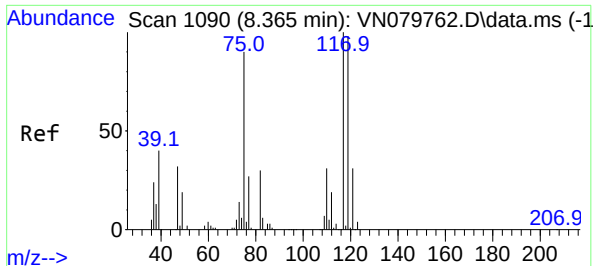
Tgt Ion: 75 Resp: 15846
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.096 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

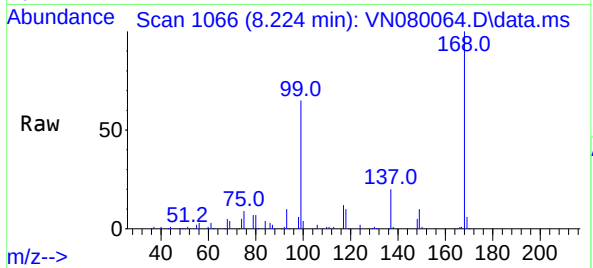
Tgt Ion: 43 Resp: 3809
Ion Ratio Lower Upper
43 100
61 7.2 13.2 19.8#
70 1.7 11.3 16.9#



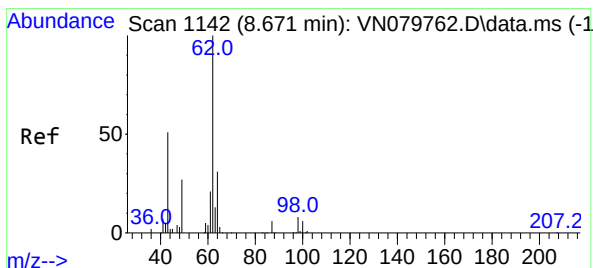
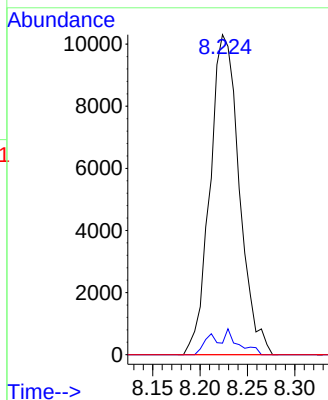
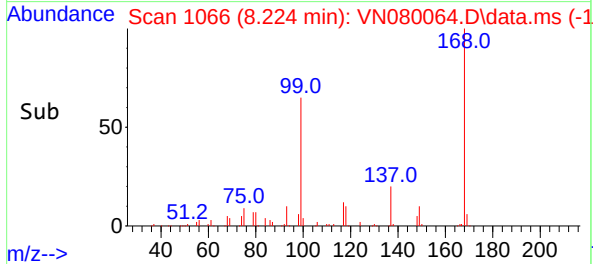


#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

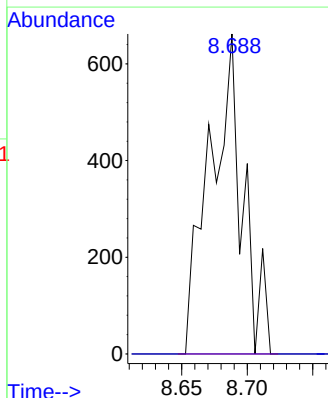
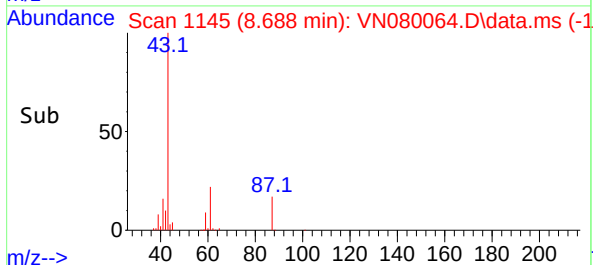
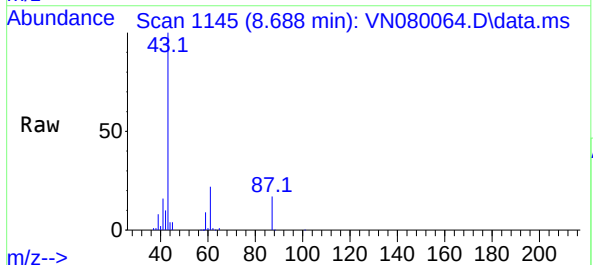


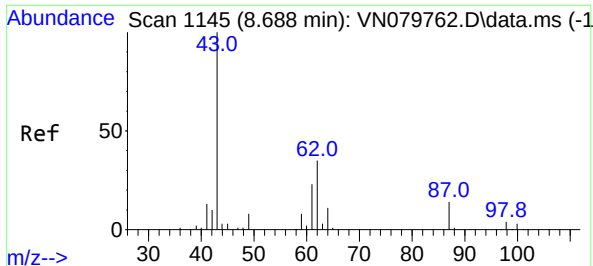
Tgt Ion:117 Resp: 22210
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.291 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Tgt Ion: 62 Resp: 1152
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

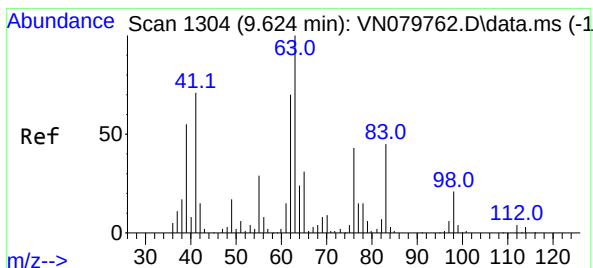
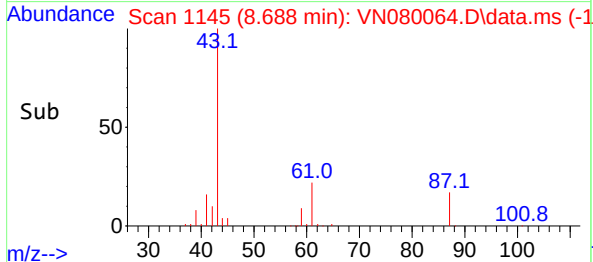
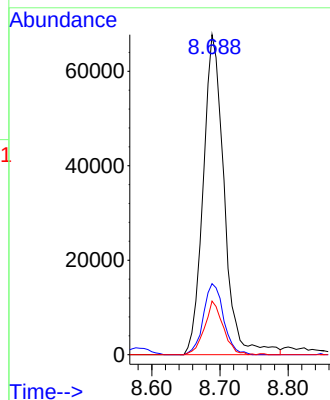
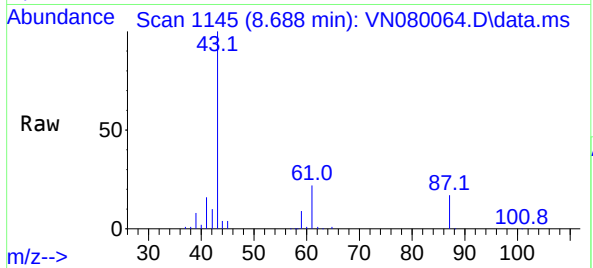




#43
Isopropyl Acetate
Concen: 23.781 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

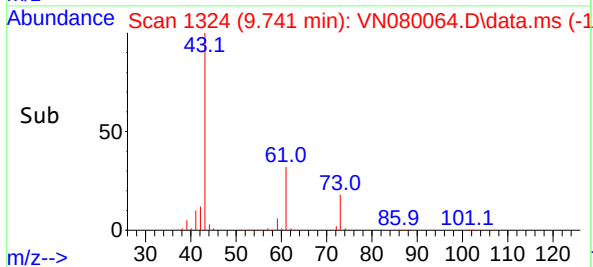
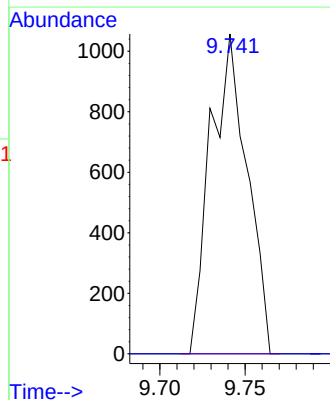
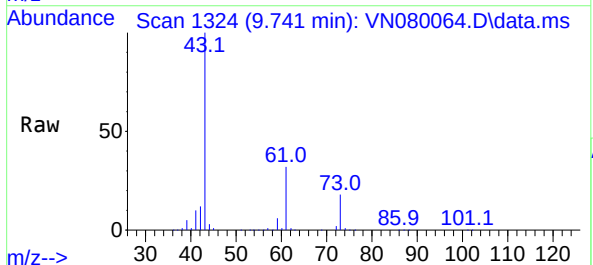
Instrument :
MSVOA_N
ClientSampleId :

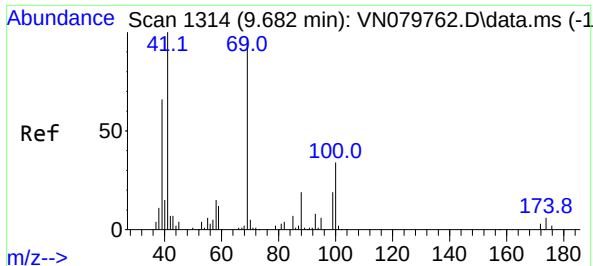
Tgt Ion: 43 Resp: 144916
Ion Ratio Lower Upper
43 100
61 21.3 24.7 37.1#
87 14.8 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.545 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

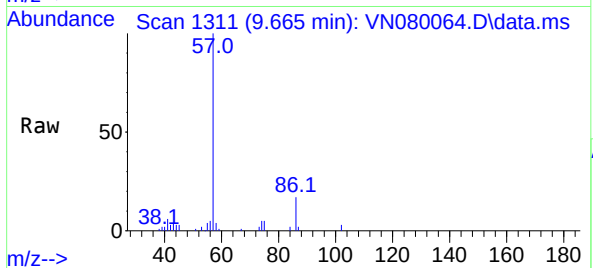
Tgt Ion: 63 Resp: 1581
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



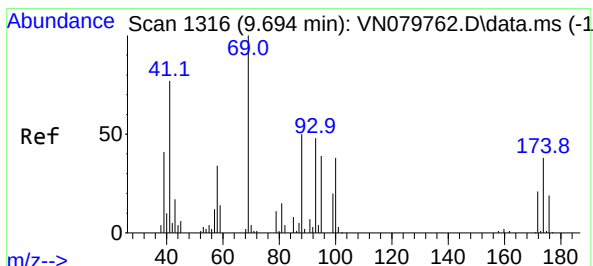
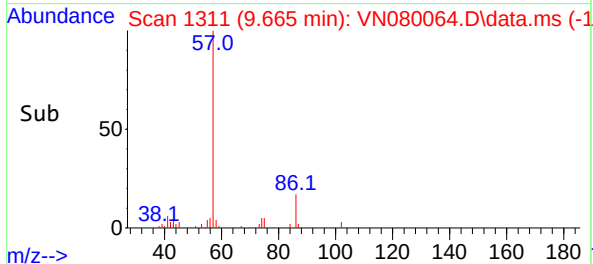
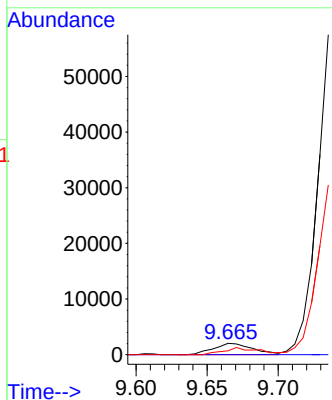


#48
Methyl methacrylate
Concen: 1.463 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

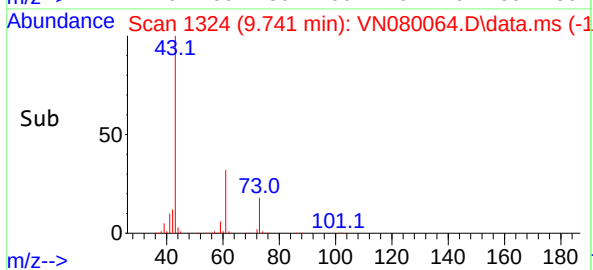
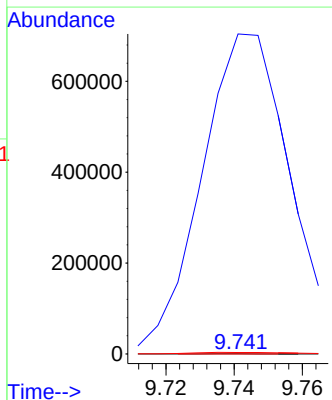
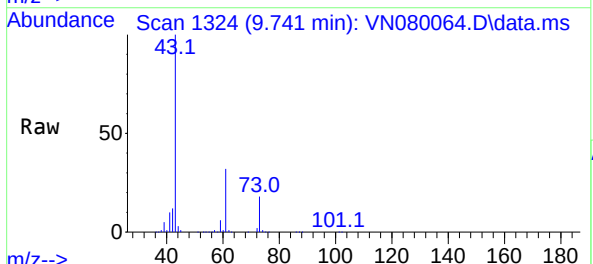


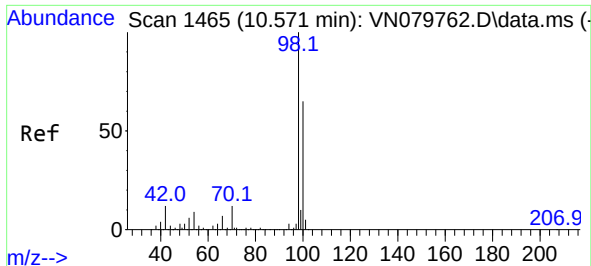
Tgt Ion: 41 Resp: 3905
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 52.4 54.6 81.8#



#49
1,4-Dioxane
Concen: 3.435 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Tgt Ion: 88 Resp: 162
Ion Ratio Lower Upper
88 100
43 801758.6 17.0 25.6#
58 4509.3 47.0 70.4#

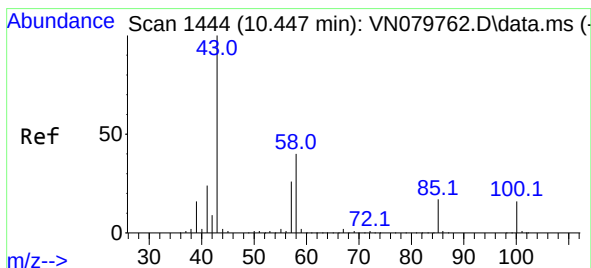
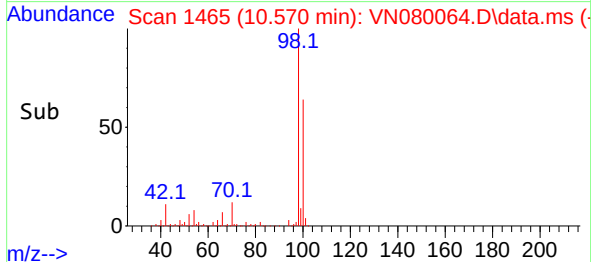
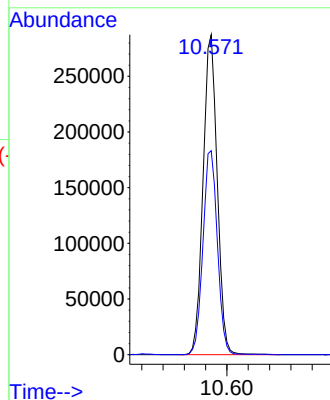
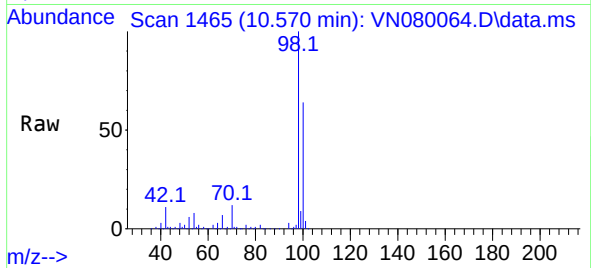




#50
Toluene-d8
Concen: 54.202 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

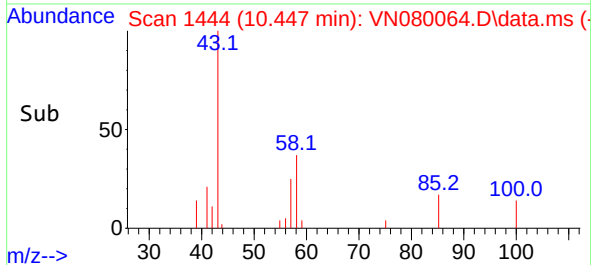
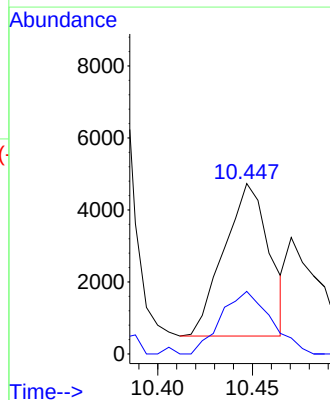
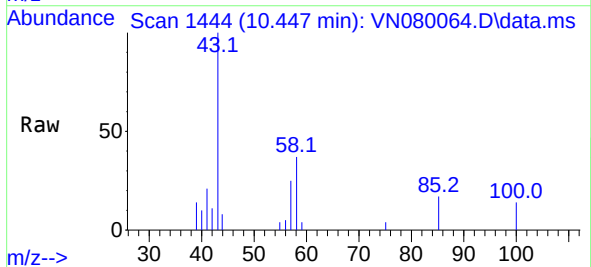
Instrument :
MSVOA_N
ClientSampleId :

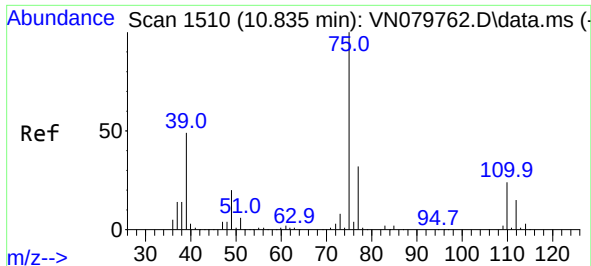
Tgt Ion: 98 Resp: 529492
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.055 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Tgt Ion: 43 Resp: 7049
Ion Ratio Lower Upper
43 100
58 45.5 36.6 54.8

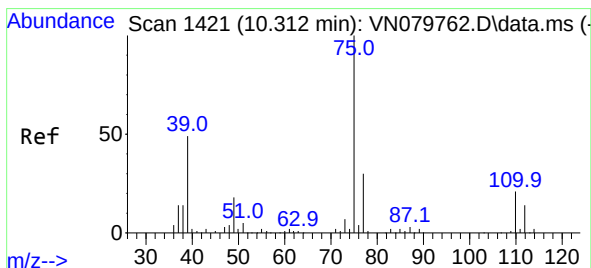
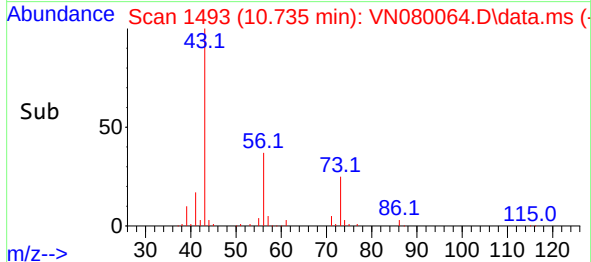
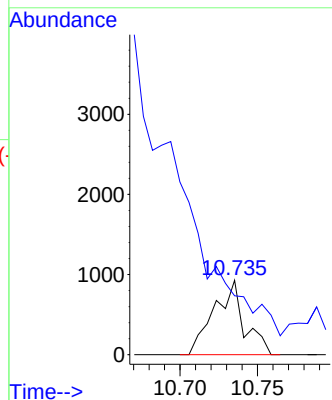
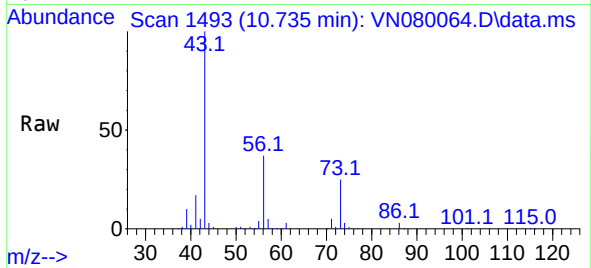




#53
t-1,3-Dichloropropene
Concen: 0.305 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

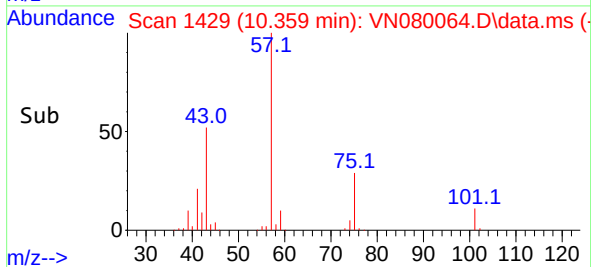
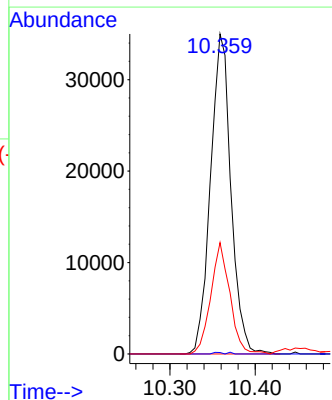
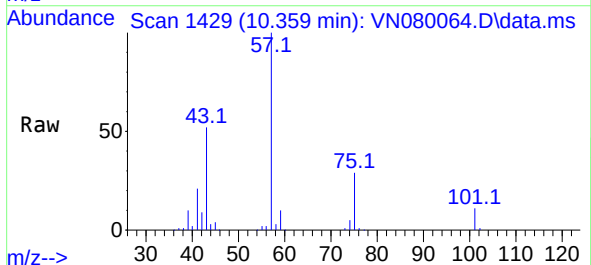
Instrument :
MSVOA_N
ClientSampleId :

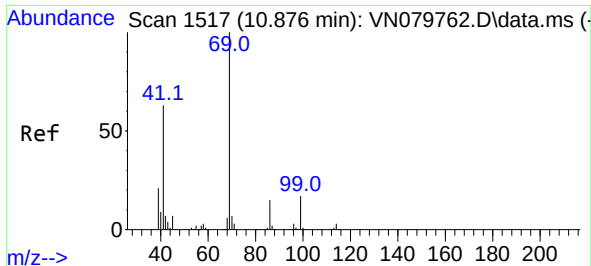
Tgt Ion: 75 Resp: 1263
Ion Ratio Lower Upper
75 100
77 53.7 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 12.928 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

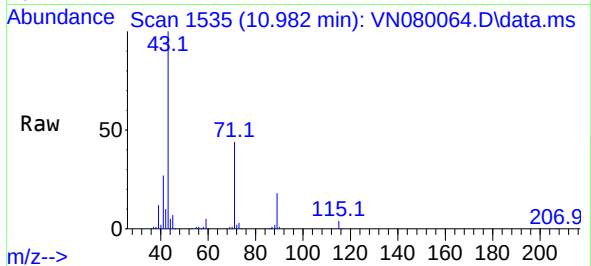
Tgt Ion: 75 Resp: 58339
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 34.8 31.6 47.4



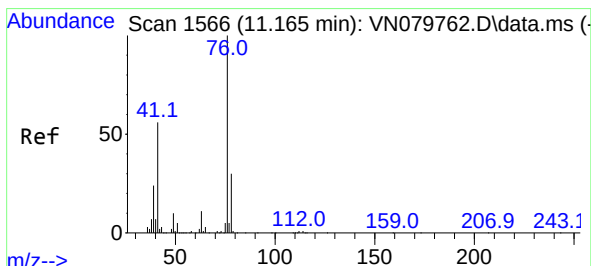
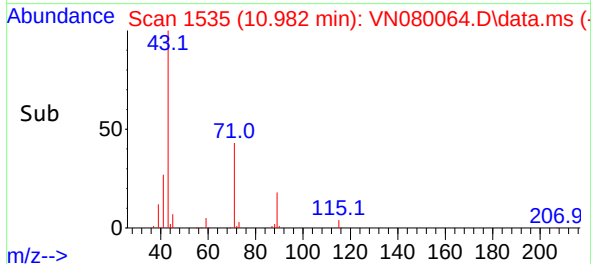
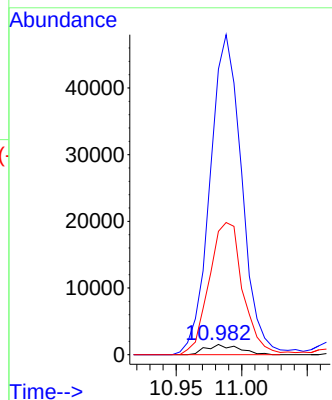


#56
Ethyl methacrylate
Concen: 0.692 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

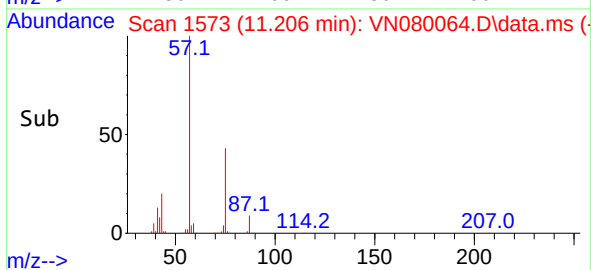
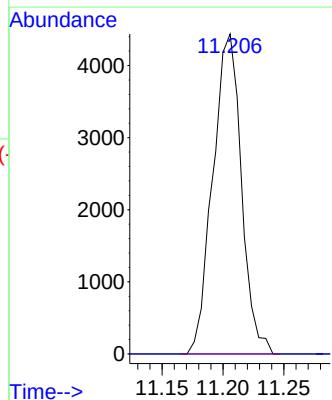
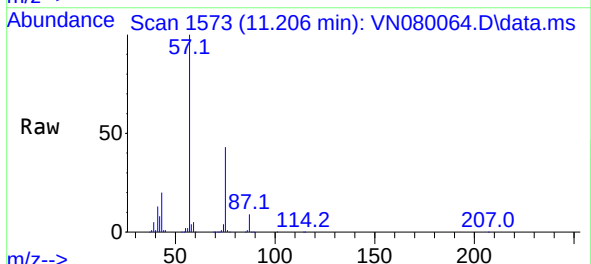


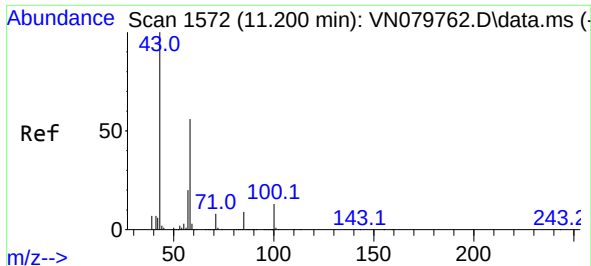
Tgt Ion: 69 Resp: 2672
Ion Ratio Lower Upper
69 100
41 3046.5 39.6 59.4#
39 1333.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.517 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Tgt Ion: 76 Resp: 7236
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

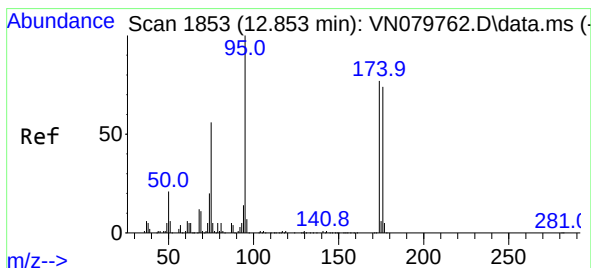
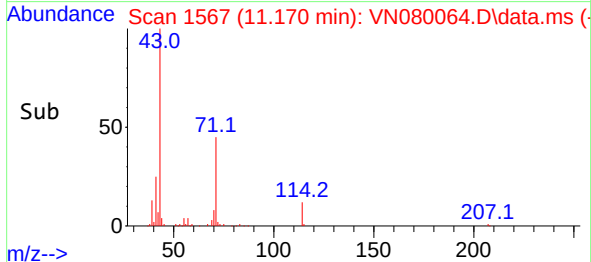
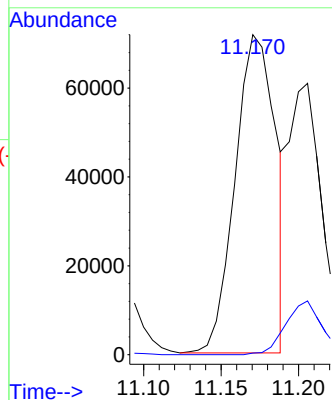
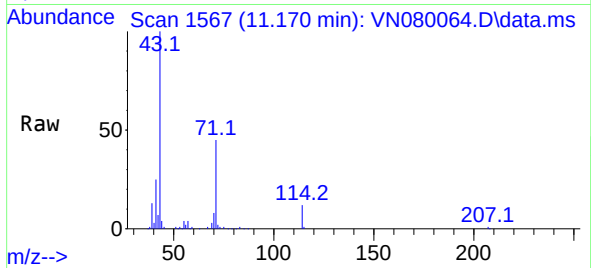




#59
2-Hexanone
Concen: 49.639 ug/l
RT: 11.170 min Scan# 11170
Delta R.T. -0.029 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

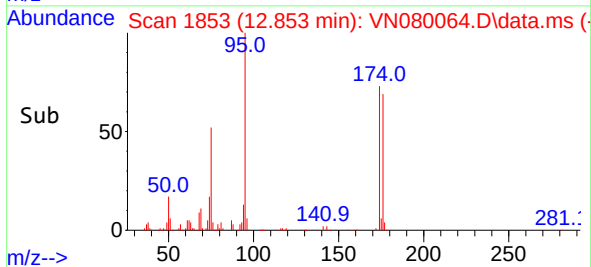
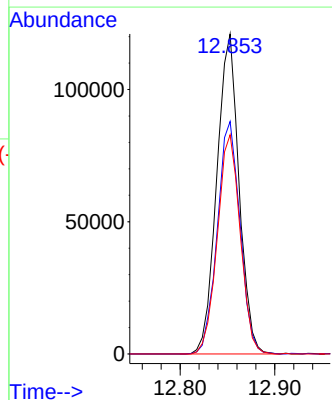
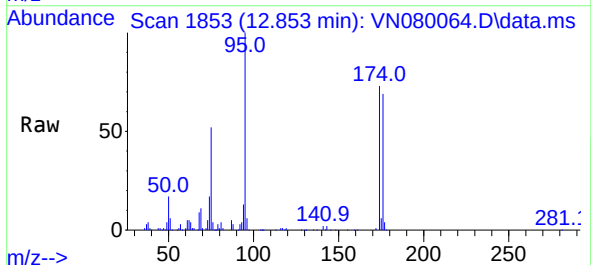
Instrument :
MSVOA_N
ClientSampleId :

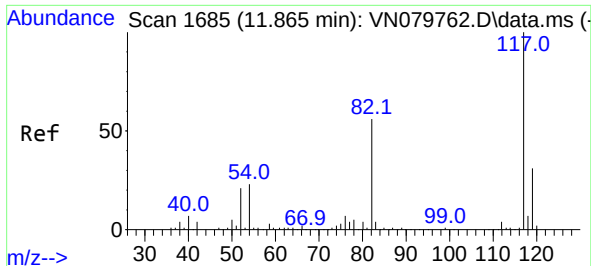
Tgt Ion: 43 Resp: 130280
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 60.966 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Tgt Ion: 95 Resp: 197521
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 70.1 0.0 135.8

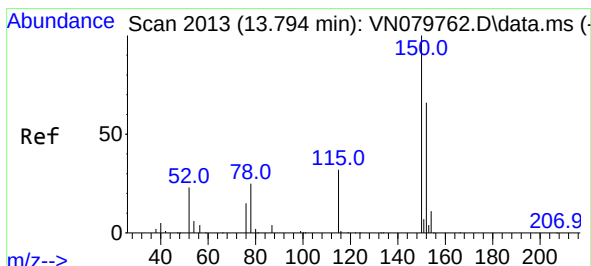
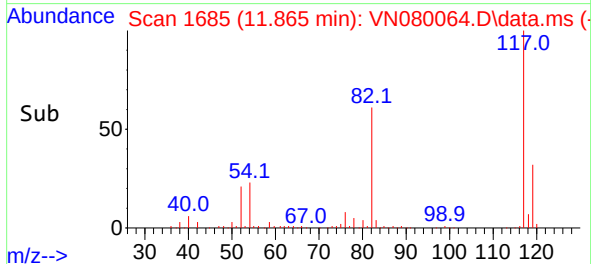
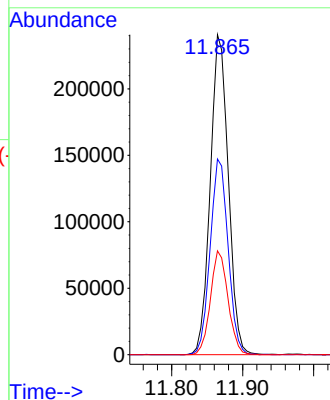
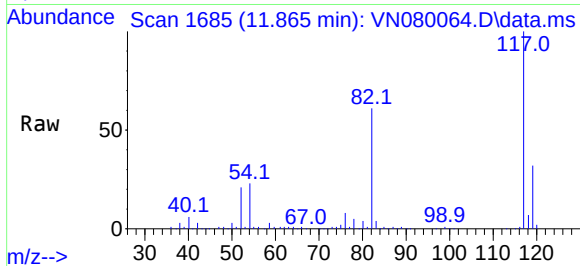




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

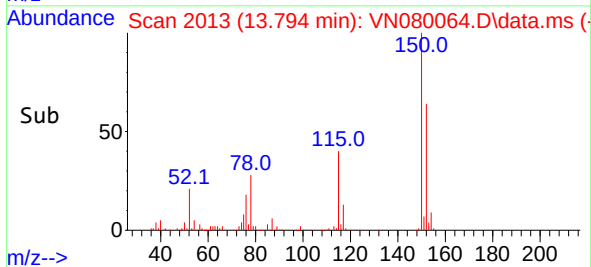
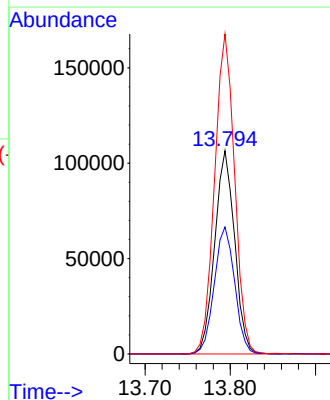
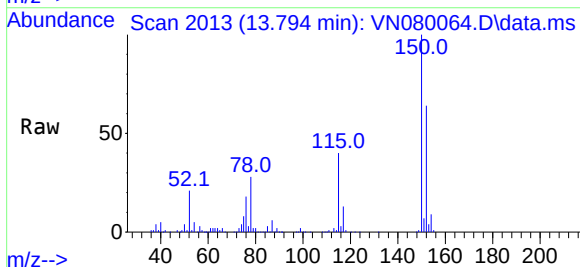
Instrument :
MSVOA_N
ClientSampleId :

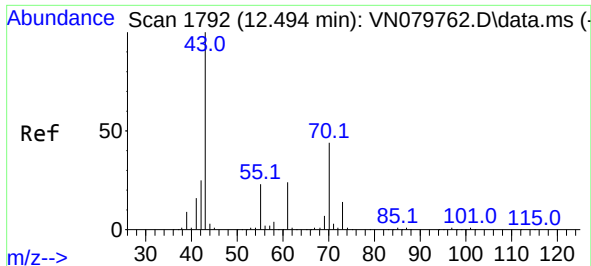
Tgt Ion:117 Resp: 424121
Ion Ratio Lower Upper
117 100
82 61.2 44.0 66.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

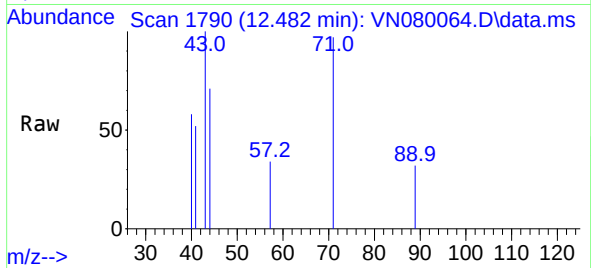
Tgt Ion:152 Resp: 173186
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 158.2 0.0 355.8



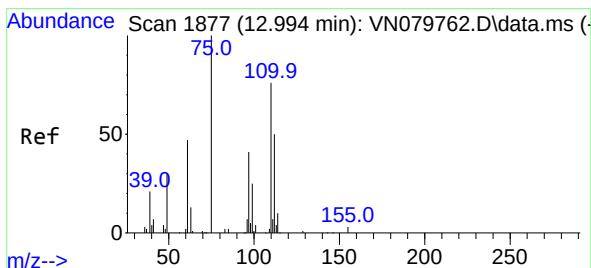
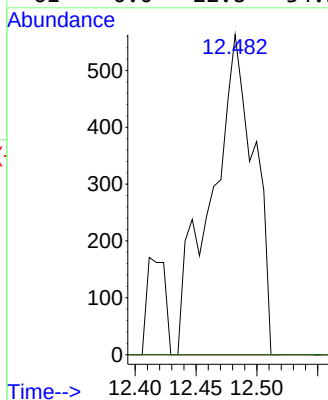
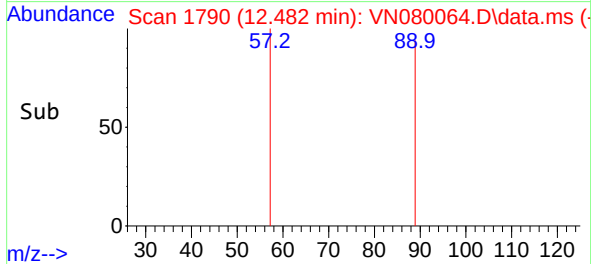


#74
N-amy1 acetate
Concen: 0.242 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

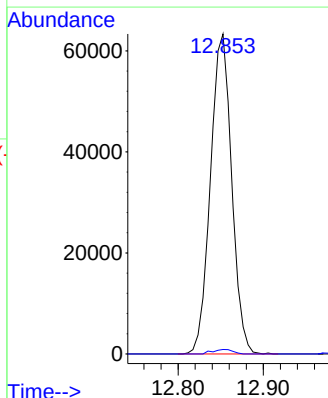
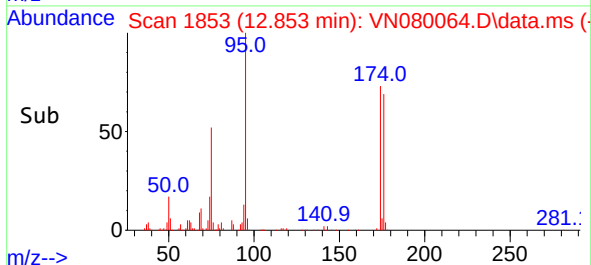
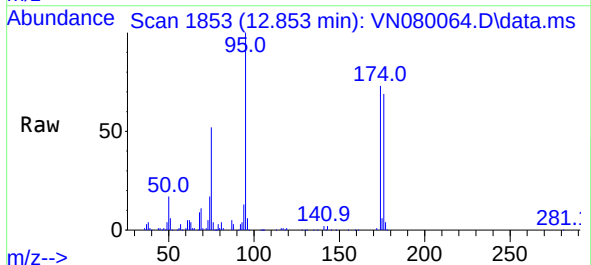


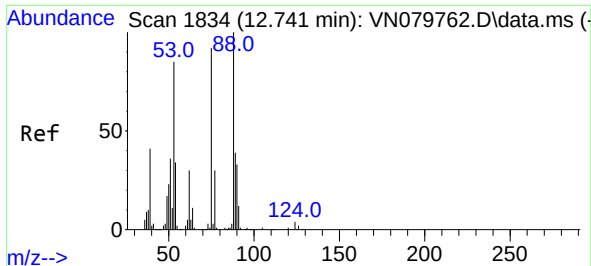
Tgt Ion: 43	Resp: 1387
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.936 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

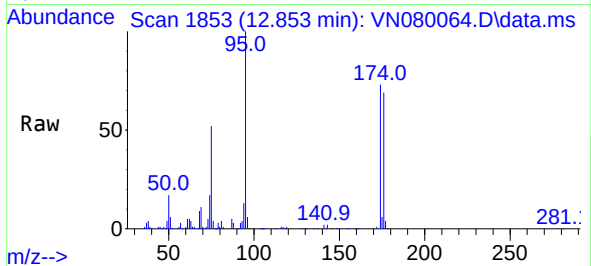
Tgt Ion: 75	Resp: 109517
Ion Ratio	Lower Upper
75 100	
77 1.3	84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.285 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080064.D
Acq: 13 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 109517
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

