

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081622.D
 Acq On : 29 Mar 2024 17:53
 Operator : JC\MD
 Sample : PB159859TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859TB

Quant Time: Mar 30 00:32:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

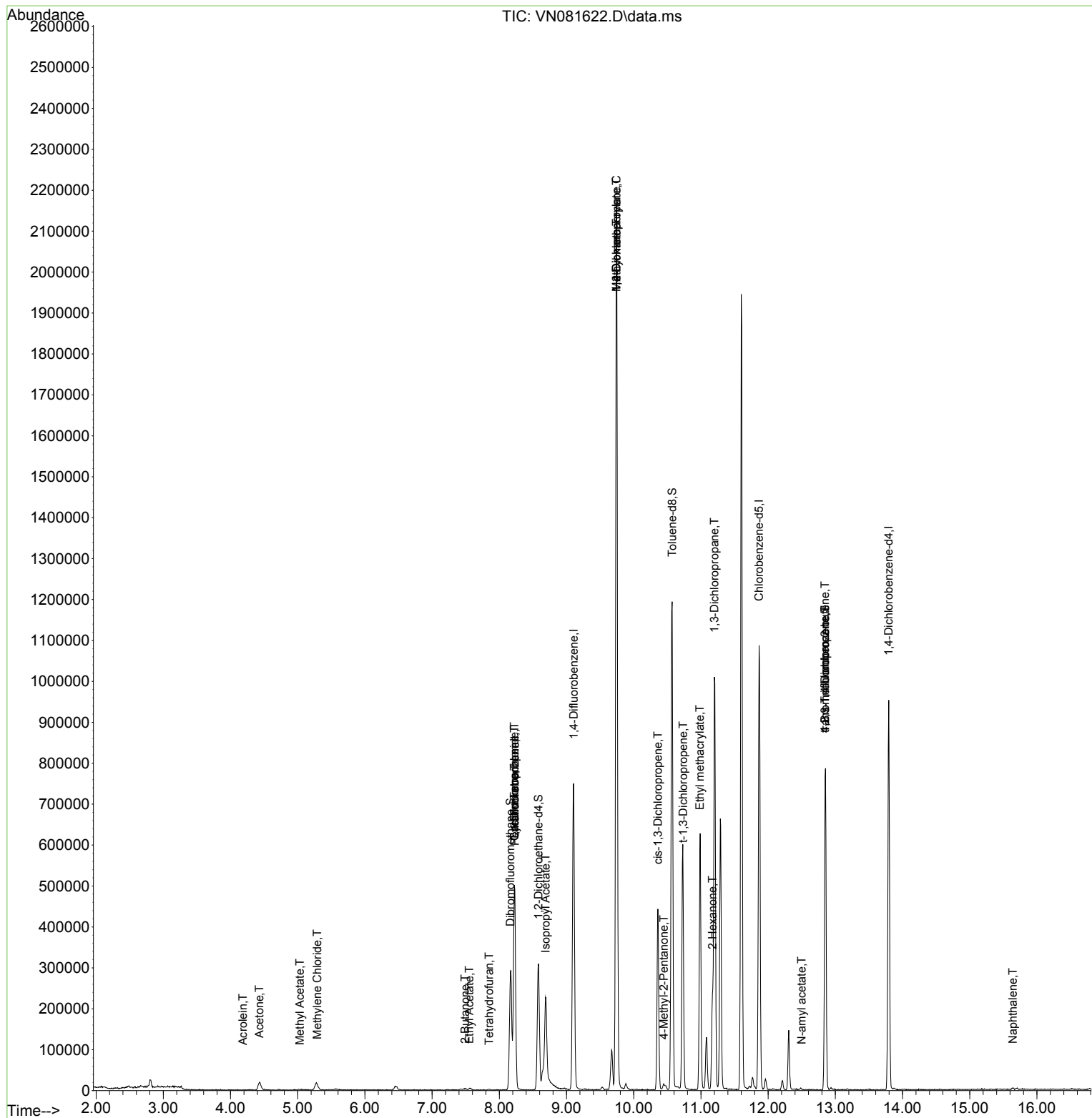
Internal Standards						
1) Pentafluorobenzene	8.230	168	357840	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	678138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	660758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	251144	55.034	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 110.060%		
35) Dibromofluoromethane	8.165	113	215914	50.450	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.900%		
50) Toluene-d8	10.571	98	834564	53.945	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.880%		
62) 4-Bromofluorobenzene	12.847	95	269590	49.454	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 98.900%		
Target Compounds						
						Qvalue
13) Acrolein	4.183	56	307	0.430	ug/l	# 37
16) Acetone	4.430	43	36420	24.695	ug/l	97
18) Methyl Acetate	5.030	43	1778	0.391	ug/l	98
20) Methylene Chloride	5.289	84	13022	2.696	ug/l	# 83
25) 2-Butanone	7.489	43	6255	2.473	ug/l	98
29) Tetrahydrofuran	7.847	42	710	0.417	ug/l	94
31) Cyclohexane	8.224	56	8342	1.123	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	31151	4.325	ug/l	# 49
37) Ethyl Acetate	7.553	43	6472	1.049	ug/l	# 79
38) Carbon Tetrachloride	8.224	117	39854	5.051	ug/l	# 18
43) Isopropyl Acetate	8.689	43	314878	30.801	ug/l	# 85
45) 1,2-Dichloropropane	9.741	63	3049	0.597	ug/l	# 42
48) Methyl methacrylate	9.741	41	193089	40.950	ug/l	# 48
49) 1,4-Dioxane	9.741	88	307	2.709	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	8244	1.322	ug/l	# 82
53) t-1,3-Dichloropropene	10.735	75	1767	0.216	ug/l	# 84
54) cis-1,3-Dichloropropene	10.359	75	82880	9.448	ug/l	# 63
56) Ethyl methacrylate	10.983	69	2802	0.954	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	12345	1.398	ug/l	# 43
59) 2-Hexanone	11.171	43	172036	37.302	ug/l	# 26
74) N-amyl acetate	12.500	43	1796	0.231	ug/l	# 52
76) 1,2,3-Trichloropropane	12.847	75	140723	23.374	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	140723	63.164	ug/l	# 14
95) Naphthalene	15.641	128	4258	0.242	ug/l	# 82

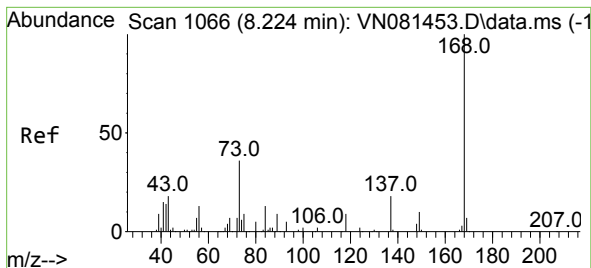
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN081622.D

Acq: 29 Mar 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

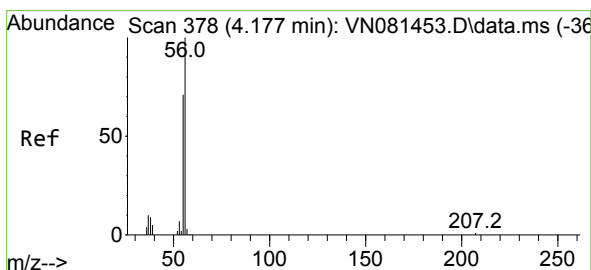
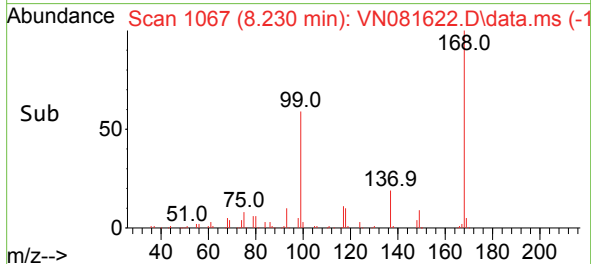
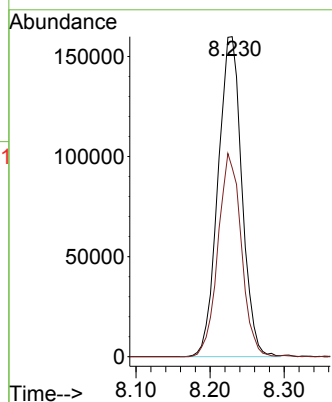
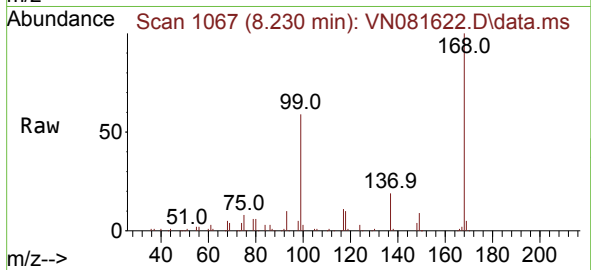
PB159859TB

Tgt Ion:168 Resp: 357840

Ion Ratio Lower Upper

168 100

99 59.0 59.9 89.9#



#13

Acrolein

Concen: 0.430 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN081622.D

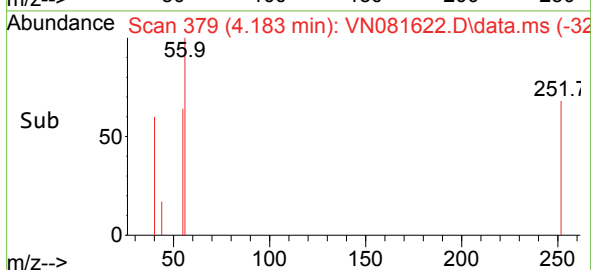
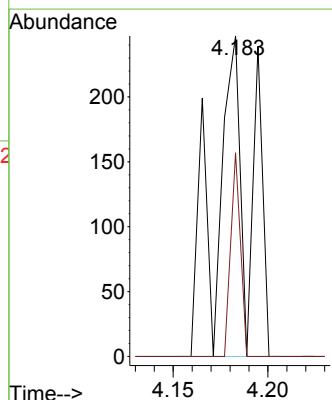
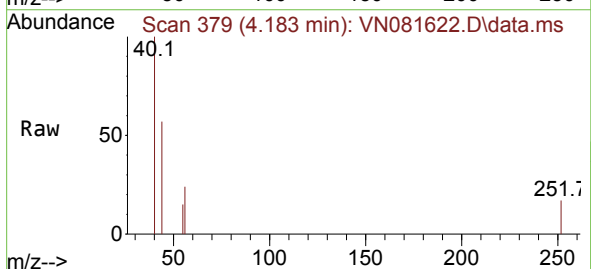
Acq: 29 Mar 2024 17:53

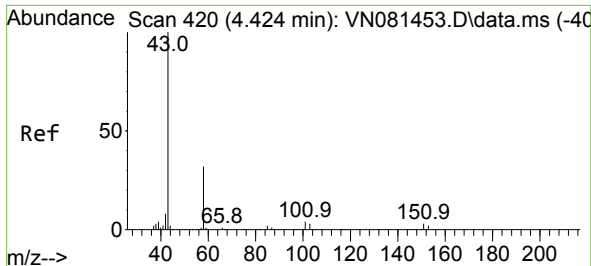
Tgt Ion: 56 Resp: 307

Ion Ratio Lower Upper

56 100

55 17.9 55.3 82.9#

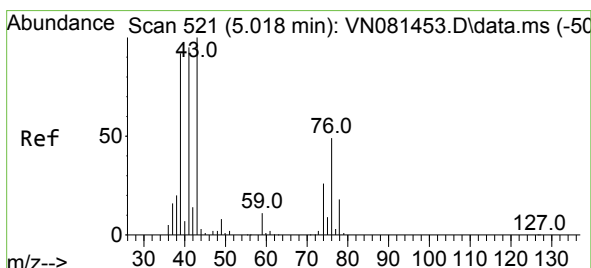
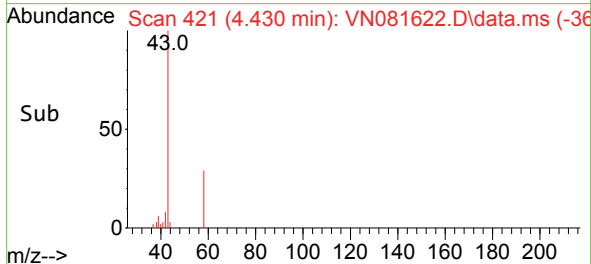
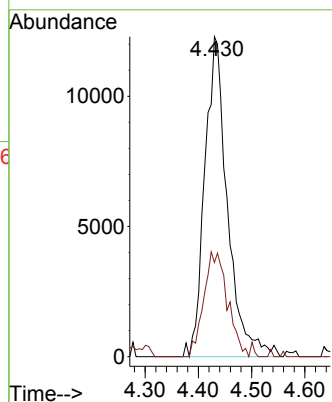
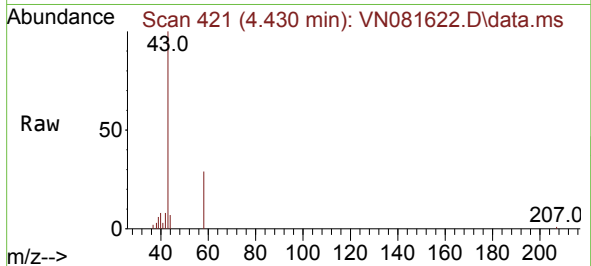




#16
Acetone
Concen: 24.695 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

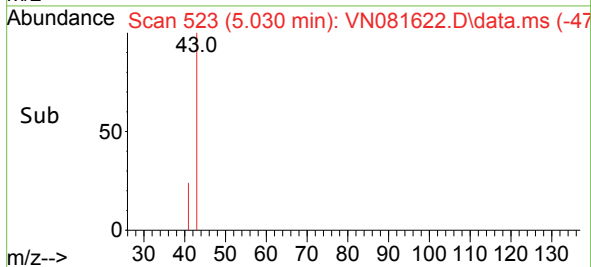
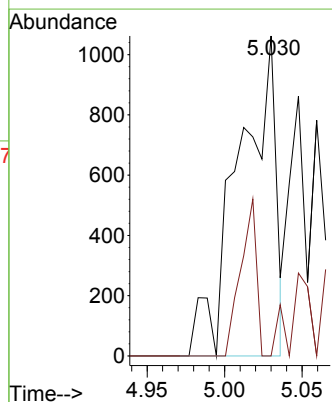
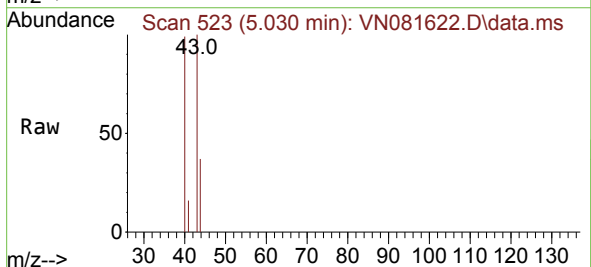
Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

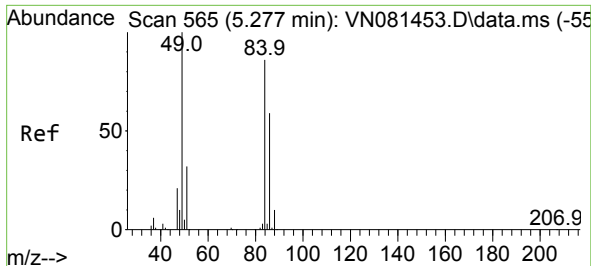
Tgt Ion: 43 Resp: 36420
Ion Ratio Lower Upper
43 100
58 29.4 24.8 37.2



#18
Methyl Acetate
Concen: 0.391 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
74 20.8 17.3 25.9

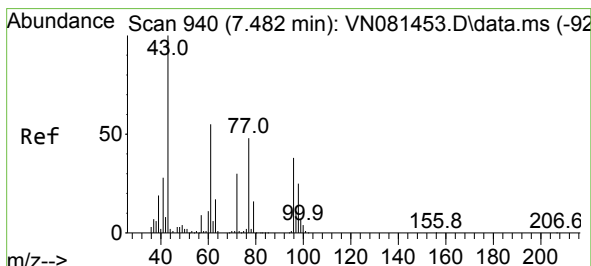
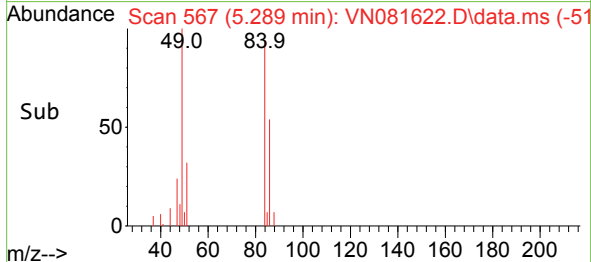
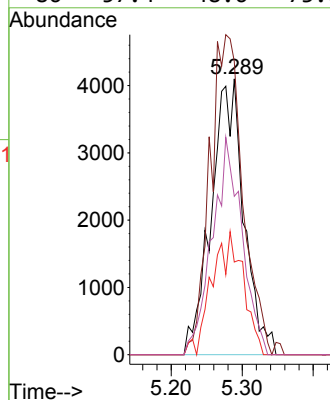
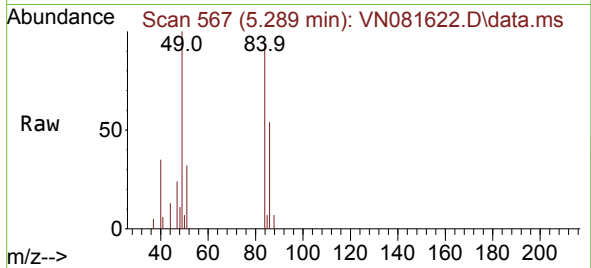




#20
Methylene Chloride
Concen: 2.696 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

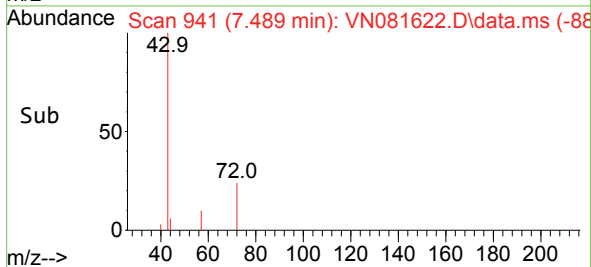
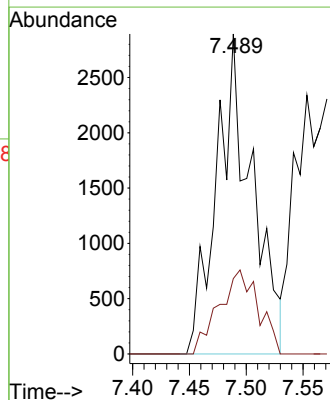
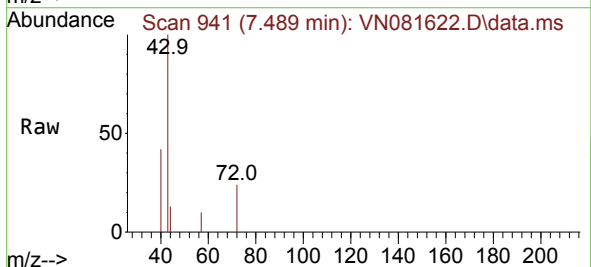
Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

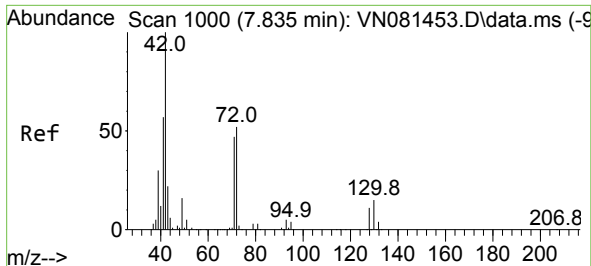
Tgt Ion: 84 Resp: 13022
Ion Ratio Lower Upper
84 100
49 106.4 108.1 162.1#
51 33.6 32.9 49.3
86 57.4 48.6 73.0



#25
2-Butanone
Concen: 2.473 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 43 Resp: 6255
Ion Ratio Lower Upper
43 100
72 25.3 19.5 29.3





#29

Tetrahydrofuran

Concen: 0.417 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VN081622.D

Acq: 29 Mar 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

PB159859TB

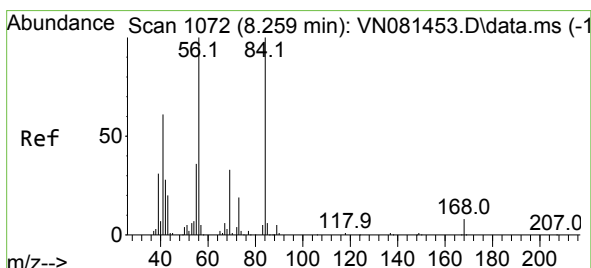
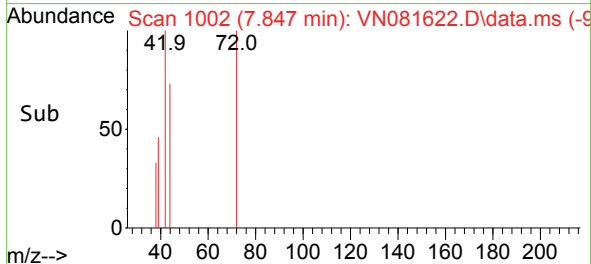
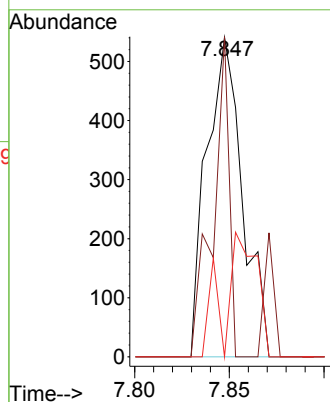
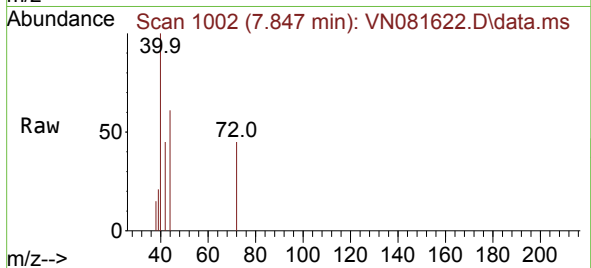
Tgt Ion: 42 Resp: 710

Ion Ratio Lower Upper

42 100

72 45.6 31.1 46.7

71 35.8 28.3 42.5



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081622.D

Acq: 29 Mar 2024 17:53

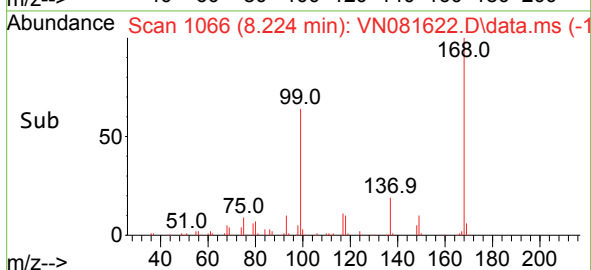
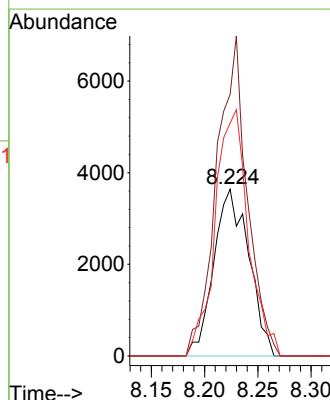
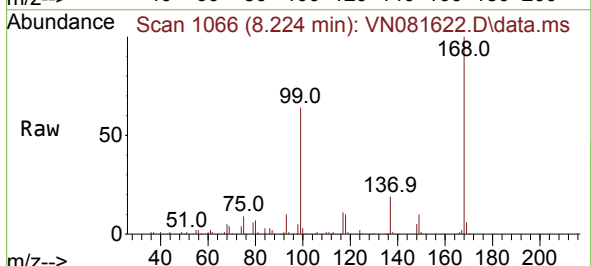
Tgt Ion: 56 Resp: 8342

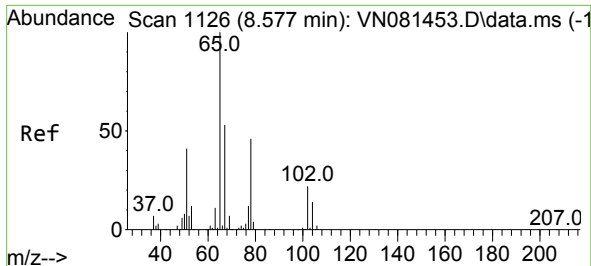
Ion Ratio Lower Upper

56 100

69 156.8 20.1 30.1#

84 139.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 55.034 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081622.D

Acq: 29 Mar 2024 17:53

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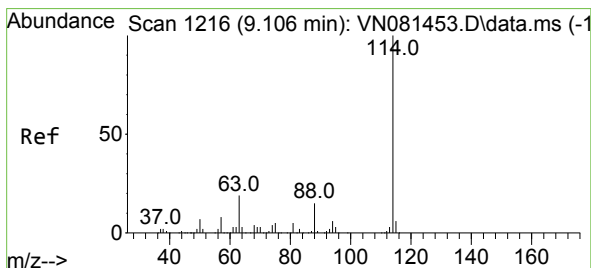
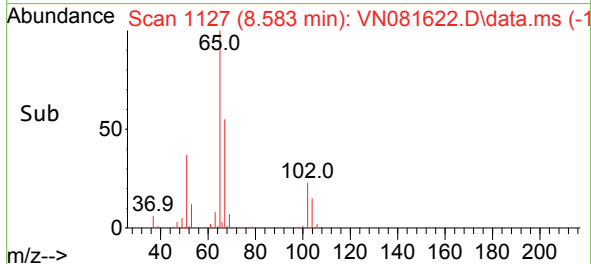
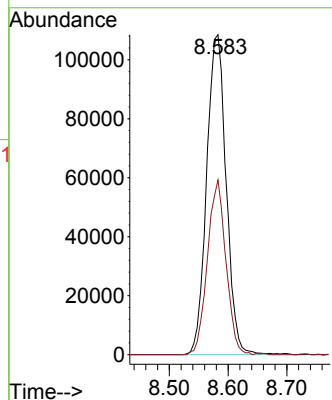
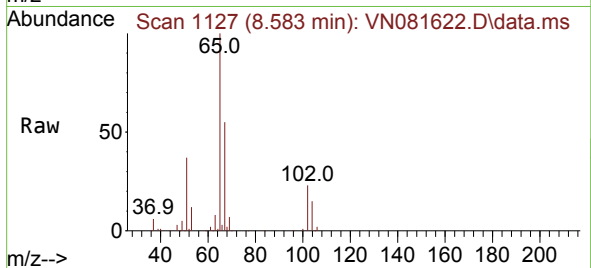
PB159859TB

Tgt Ion: 65 Resp: 251144

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081622.D

Acq: 29 Mar 2024 17:53

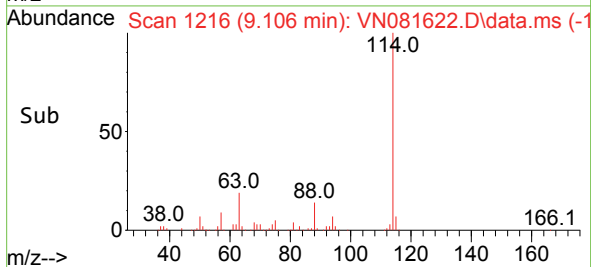
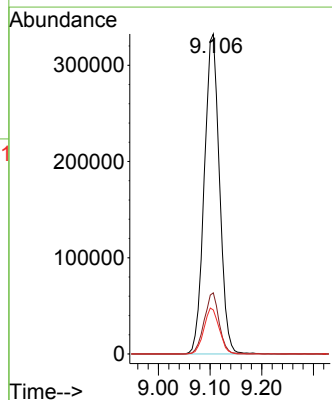
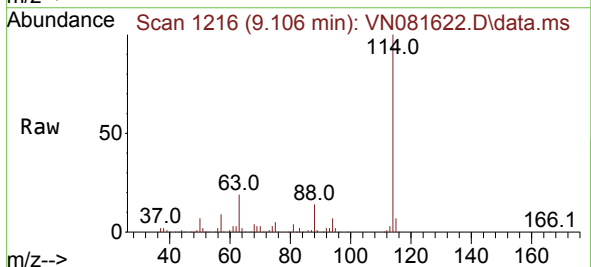
Tgt Ion: 114 Resp: 678138

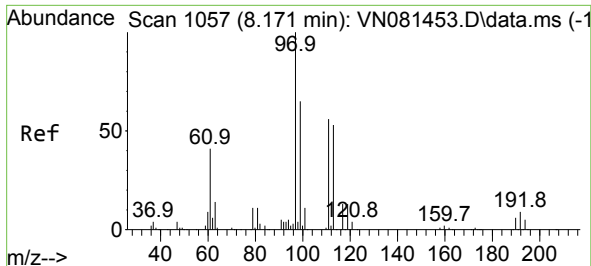
Ion Ratio Lower Upper

114 100

63 19.1 0.0 48.0

88 13.7 0.0 34.8

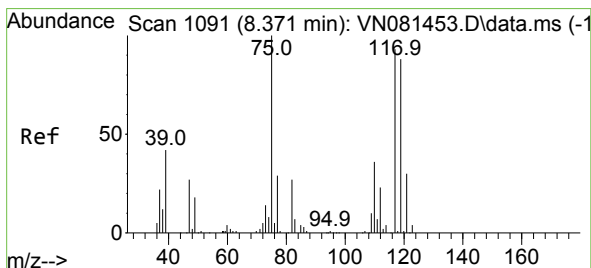
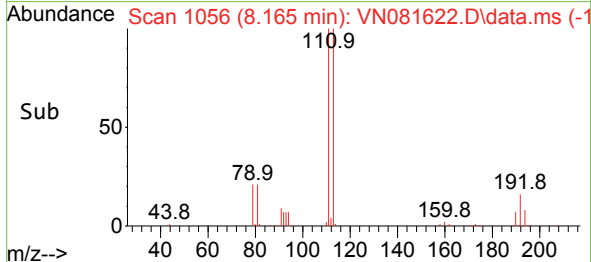
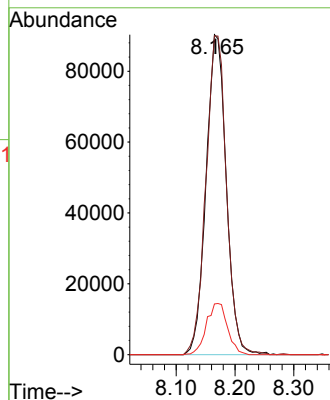
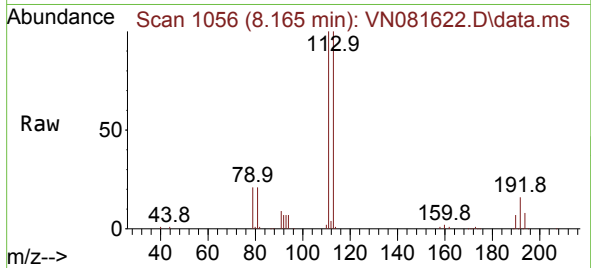




#35
Dibromofluoromethane
Concen: 50.450 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

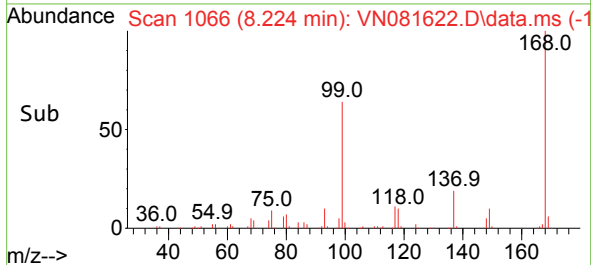
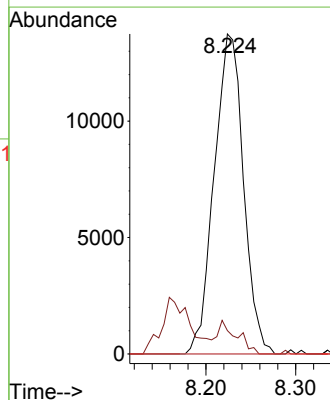
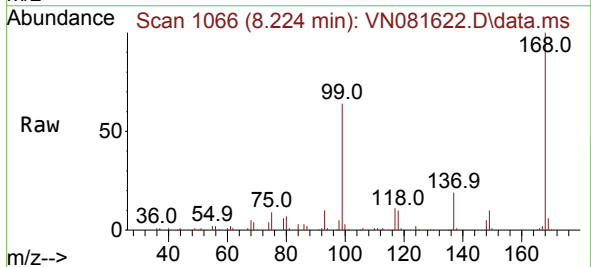
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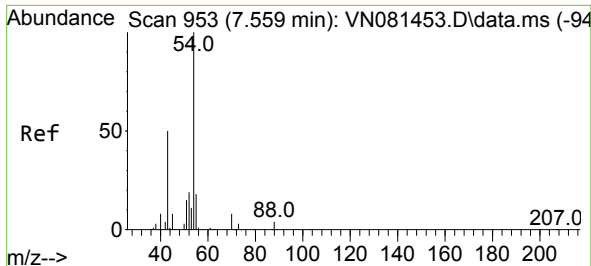
Tgt Ion:113 Resp: 215914
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 16.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.325 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 75 Resp: 31151
Ion Ratio Lower Upper
75 100
110 6.9 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 1.049 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN081622.D

Acq: 29 Mar 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

PB159859TB

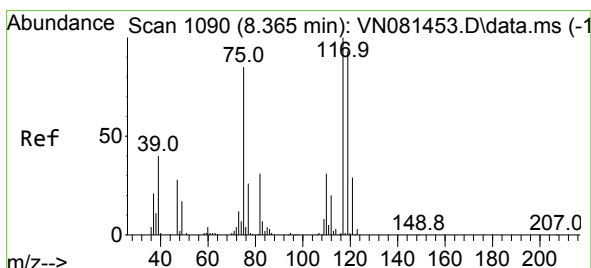
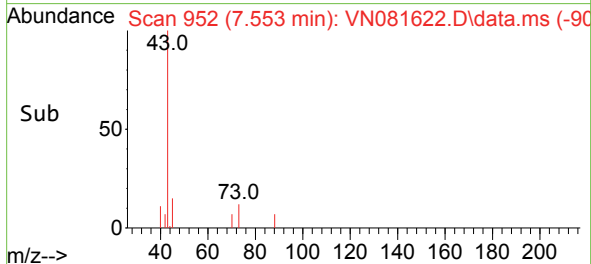
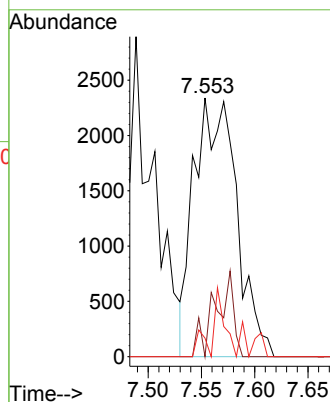
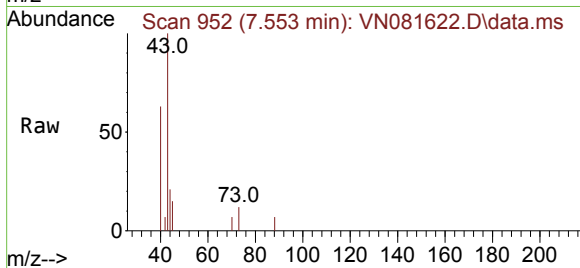
Tgt Ion: 43 Resp: 6472

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 8.3 8.0 12.0



#38

Carbon Tetrachloride

Concen: 5.051 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081622.D

Acq: 29 Mar 2024 17:53

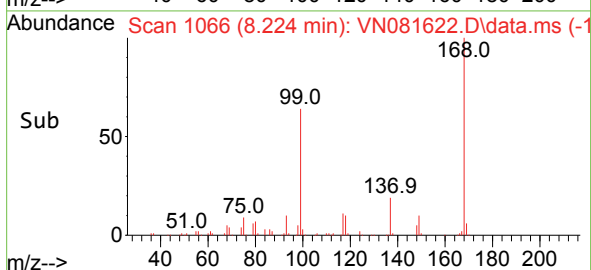
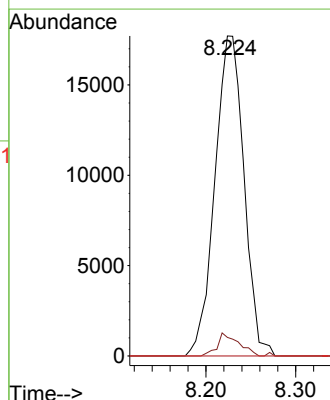
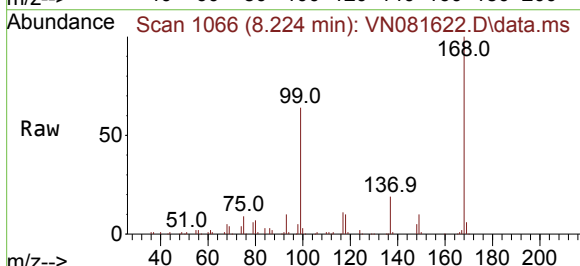
Tgt Ion: 117 Resp: 39854

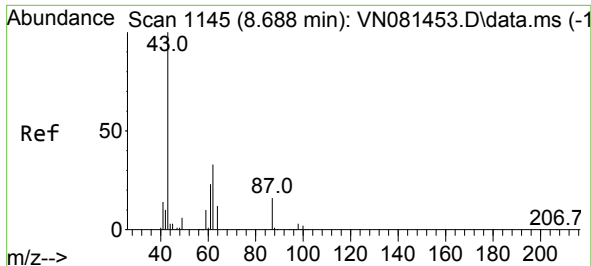
Ion Ratio Lower Upper

117 100

119 5.8 73.4 110.2#

121 0.0 24.4 36.6#

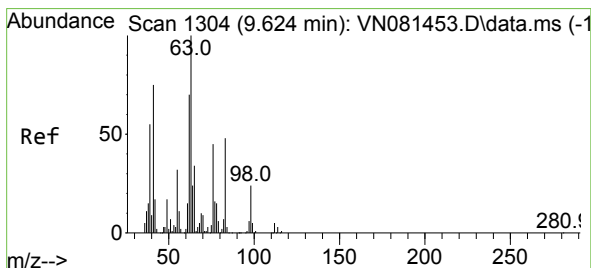
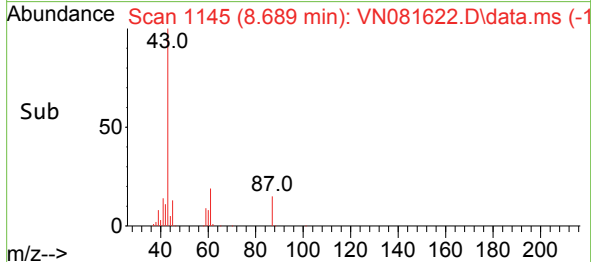
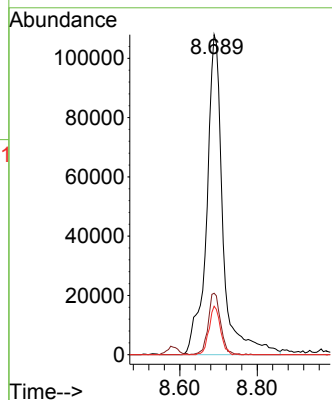
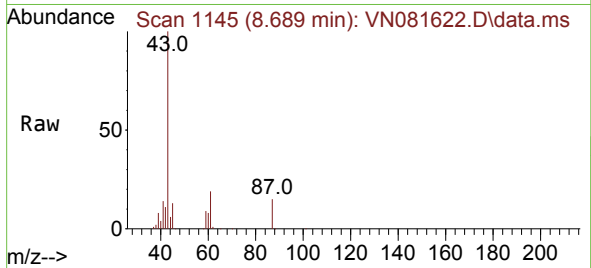




#43
Isopropyl Acetate
Concen: 30.801 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

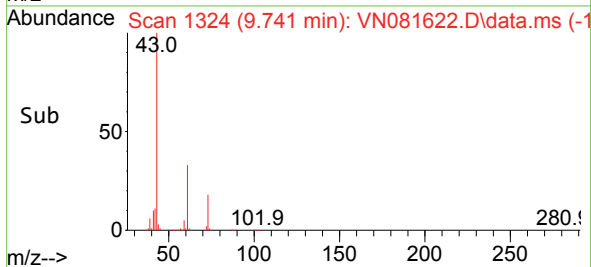
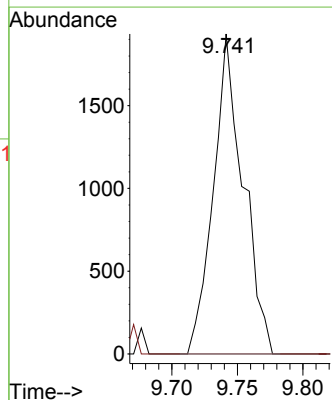
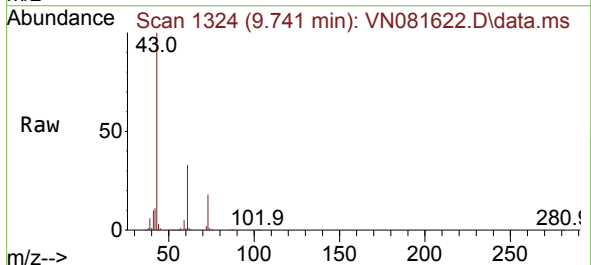
Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

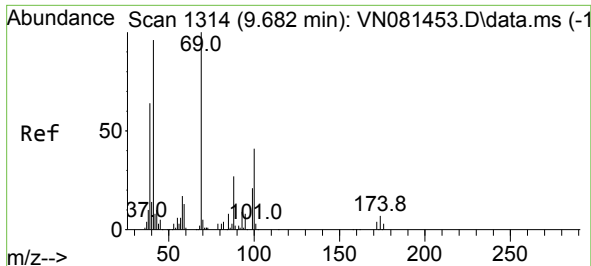
Tgt Ion: 43 Resp: 314878
Ion Ratio Lower Upper
43 100
61 14.6 19.9 29.9#
87 10.7 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.597 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 63 Resp: 3049
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

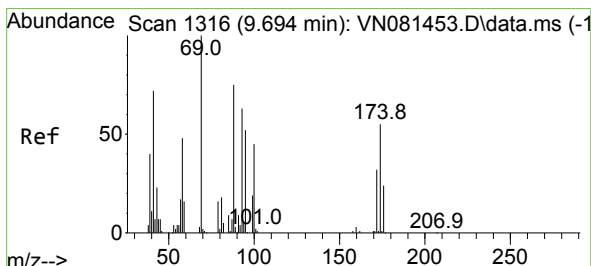
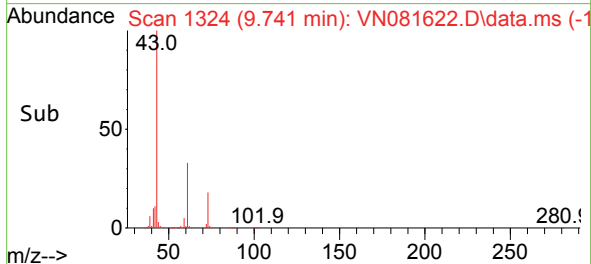
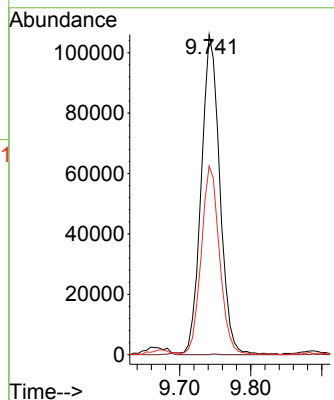
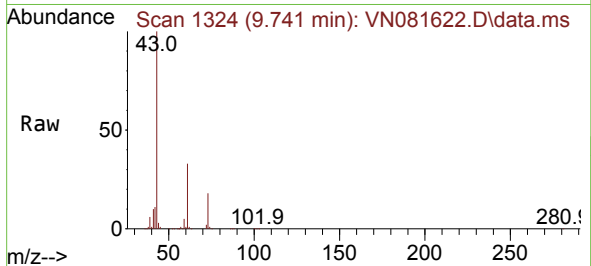




#48
Methyl methacrylate
Concen: 40.950 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

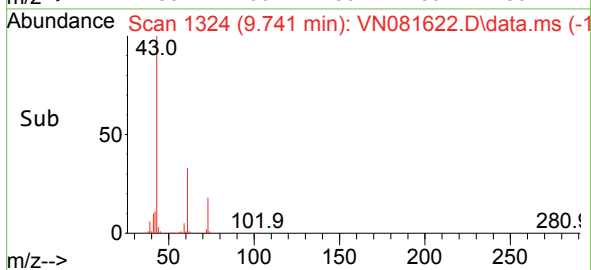
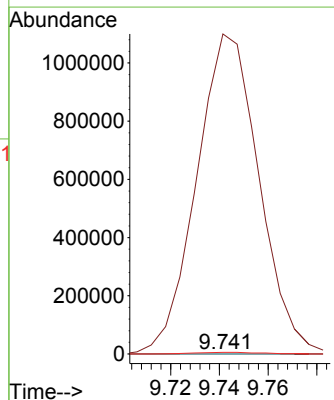
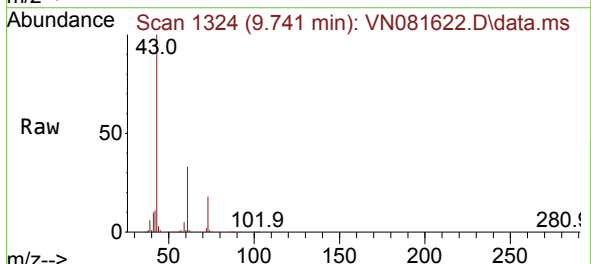
Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

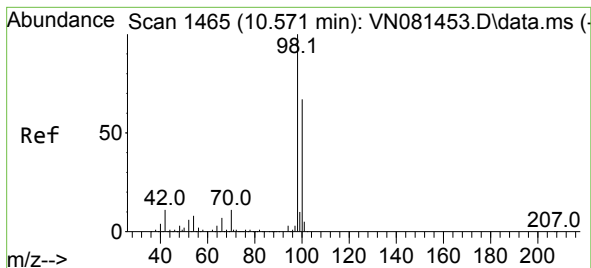
Tgt Ion: 41 Resp: 193089
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.2#
39 57.6 47.6 71.4



#49
1,4-Dioxane
Concen: 2.709 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 88 Resp: 307
Ion Ratio Lower Upper
88 100
43 641534.5 30.1 45.1#
58 3561.9 63.9 95.9#

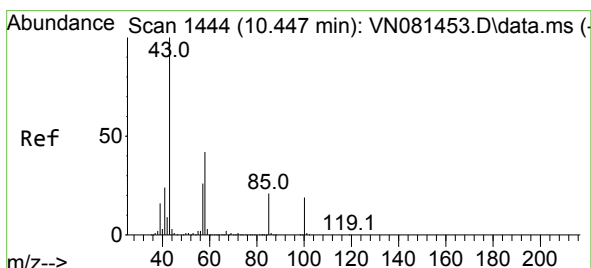
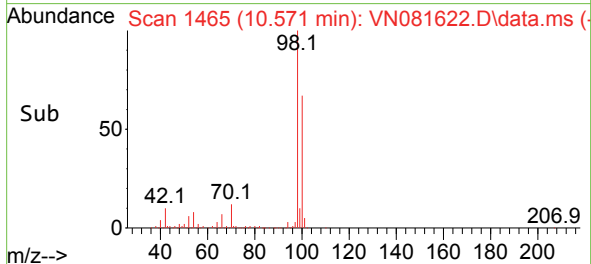
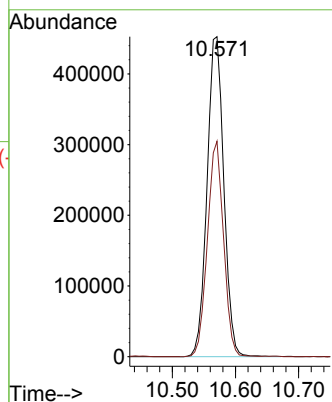
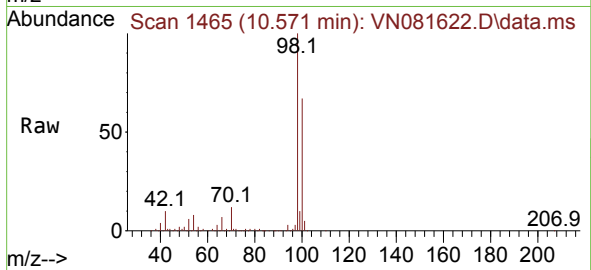




#50
Toluene-d8
Concen: 53.945 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

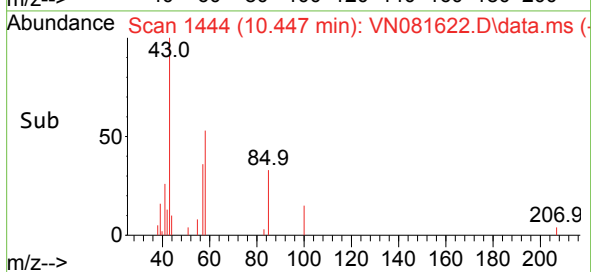
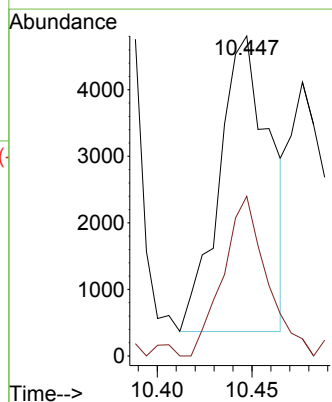
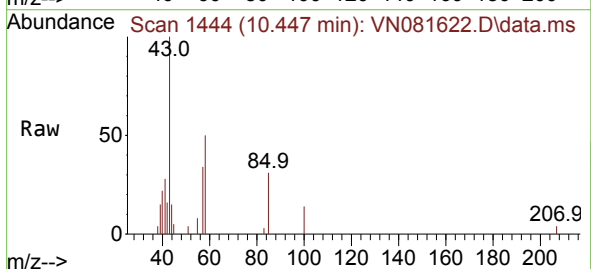
Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

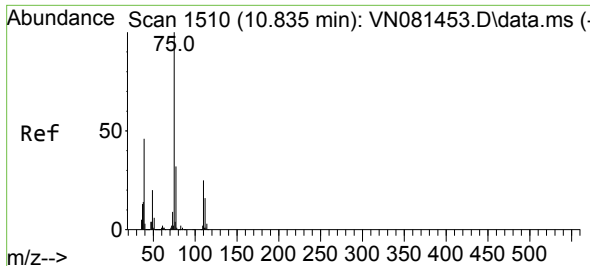
Tgt Ion: 98 Resp: 834564
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.322 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 43 Resp: 8244
Ion Ratio Lower Upper
43 100
58 47.6 29.4 44.0#

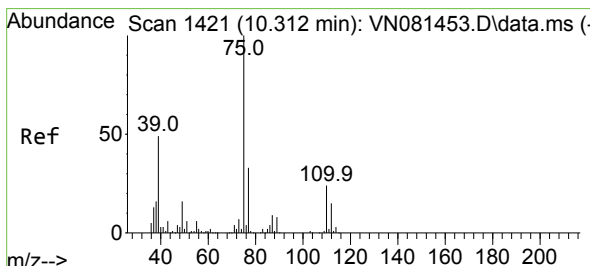
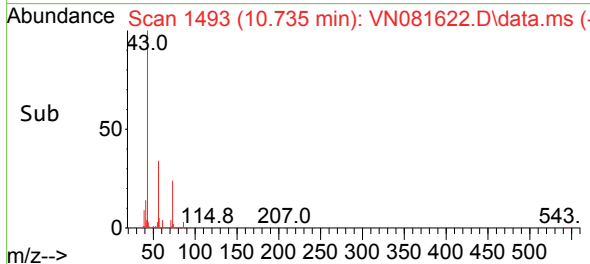
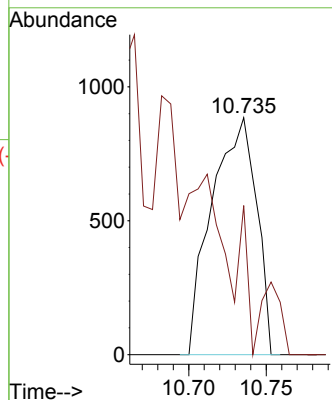
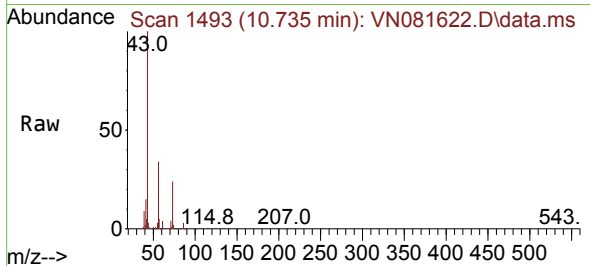




#53
 t-1,3-Dichloropropene
 Concen: 0.216 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.100 min
 Lab File: VN081622.D
 Acq: 29 Mar 2024 17:53

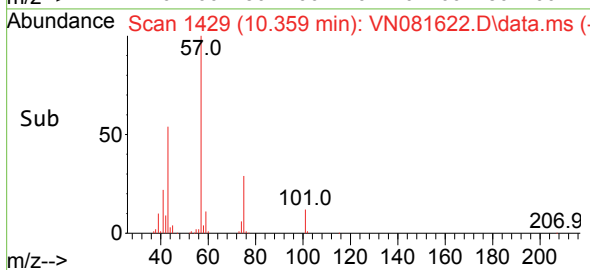
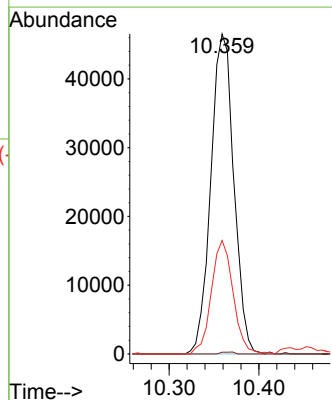
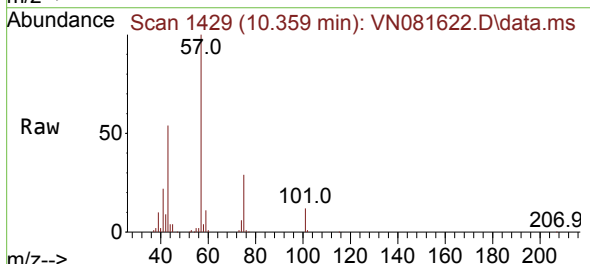
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859TB

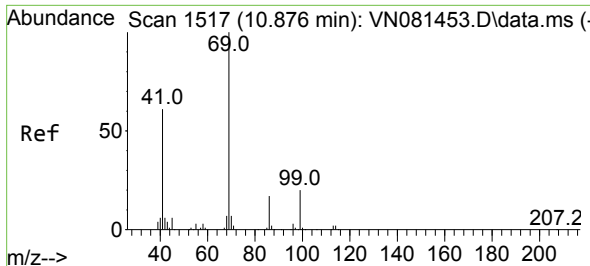
Tgt Ion: 75 Resp: 1767
 Ion Ratio Lower Upper
 75 100
 77 40.8 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 9.448 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081622.D
 Acq: 29 Mar 2024 17:53

Tgt Ion: 75 Resp: 82880
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.3 34.9#
 39 35.4 44.6 66.8#

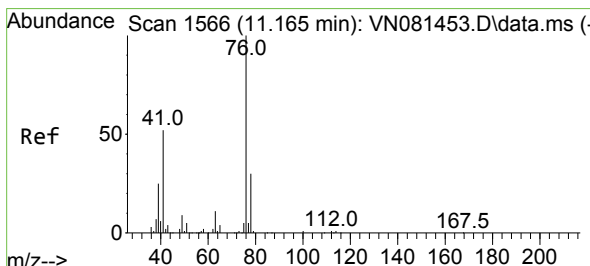
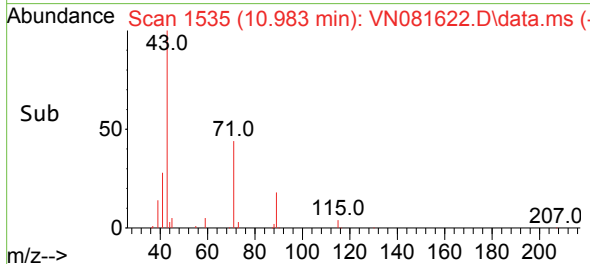
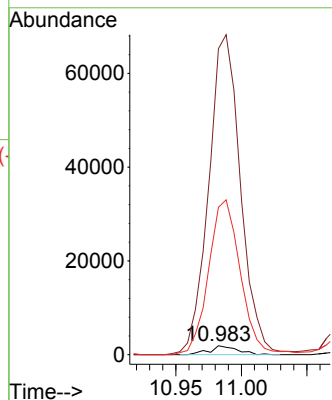
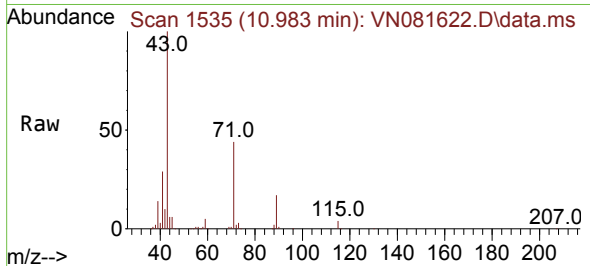




#56
Ethyl methacrylate
Concen: 0.954 ug/l
RT: 10.983 min Scan# 1535
Delta R.T. 0.107 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

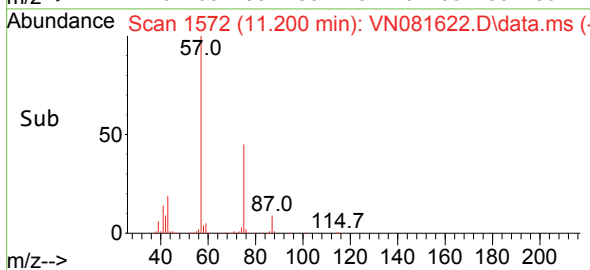
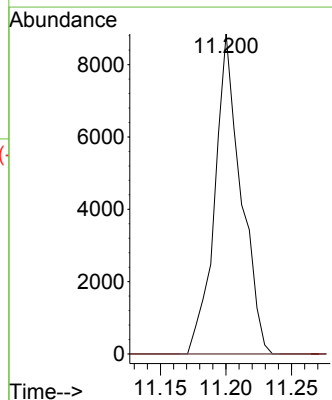
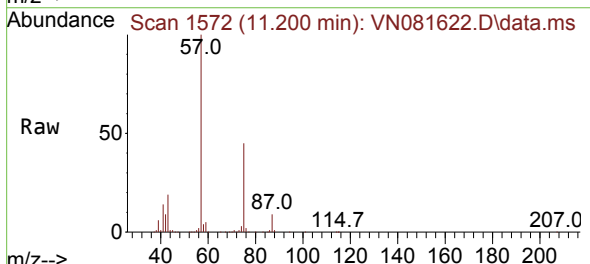
Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

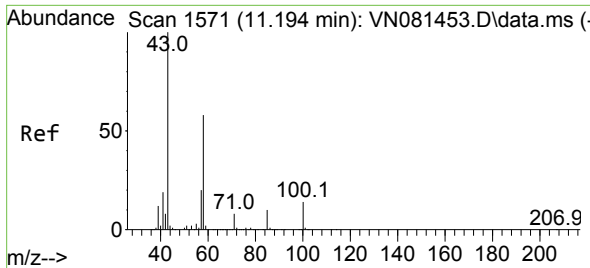
Tgt Ion: 69 Resp: 2802
Ion Ratio Lower Upper
69 100
41 4131.8 61.0 91.6#
39 1993.1 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.398 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.036 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 76 Resp: 12345
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

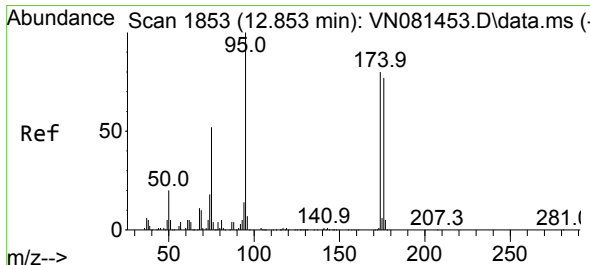
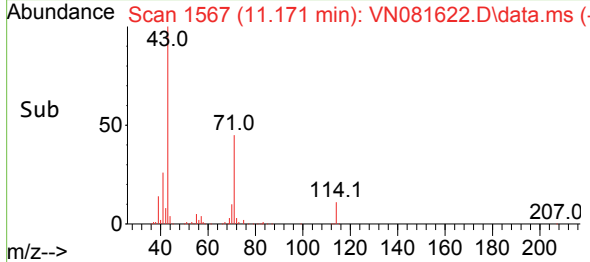
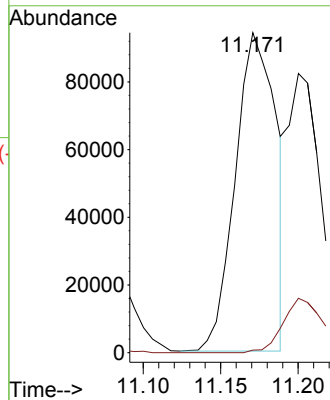
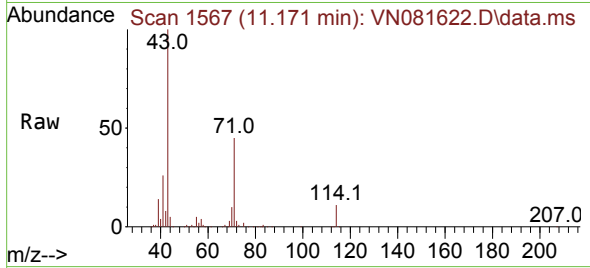




#59
2-Hexanone
Concen: 37.302 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

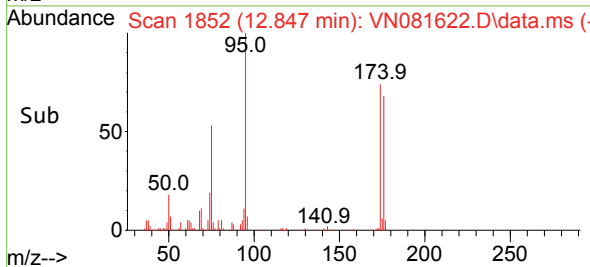
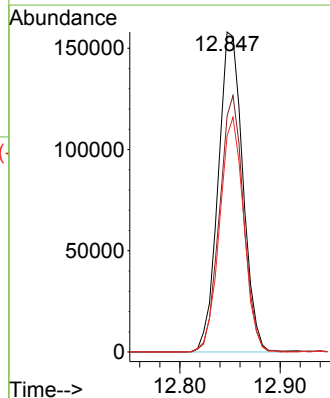
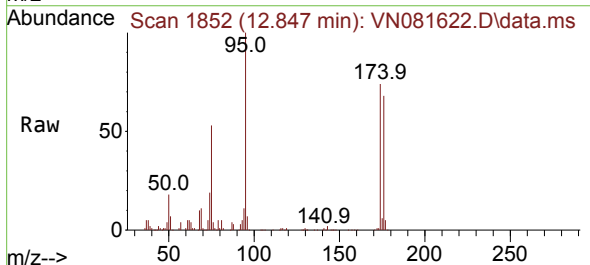
Instrument :
MSVOA_N
ClientSampleId :
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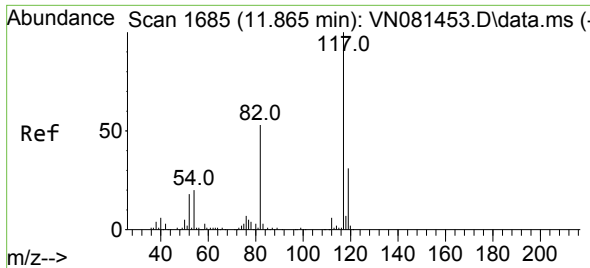
Tgt Ion: 43 Resp: 172036
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 49.454 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 95 Resp: 269590
Ion Ratio Lower Upper
95 100
174 77.9 0.0 120.4
176 71.8 0.0 121.0

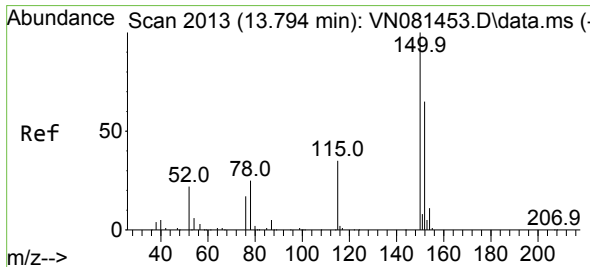
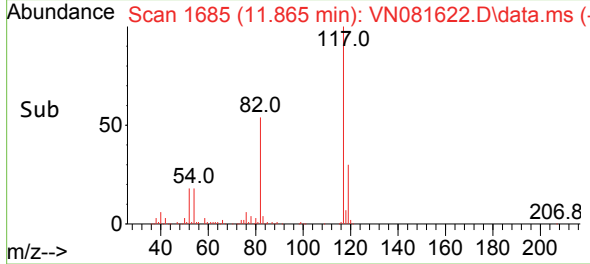
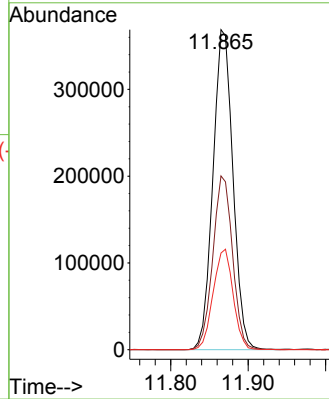
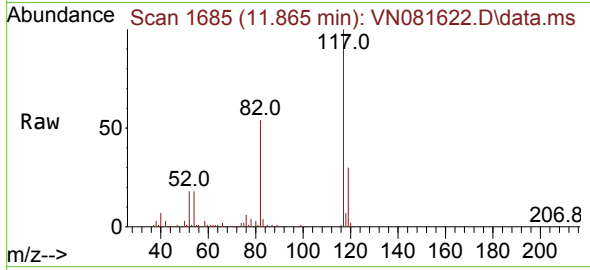




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

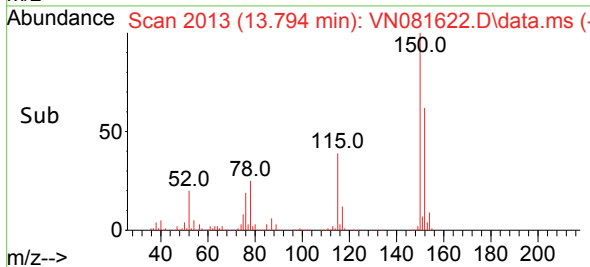
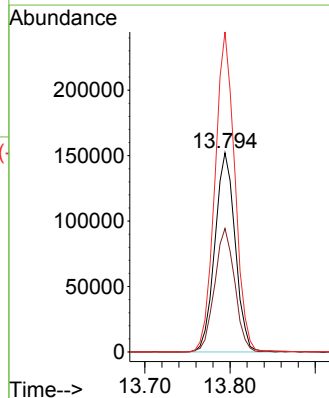
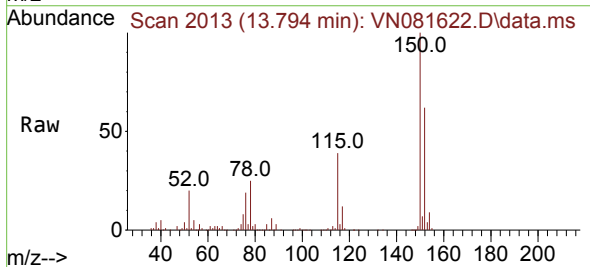
Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

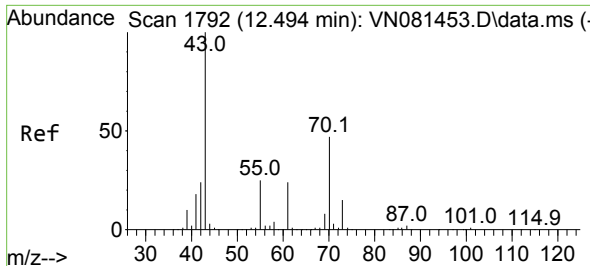
Tgt Ion:117 Resp: 660758
Ion Ratio Lower Upper
117 100
82 54.3 52.7 79.1
119 30.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion:152 Resp: 251688
Ion Ratio Lower Upper
152 100
115 61.6 32.3 96.8
150 157.9 0.0 339.8

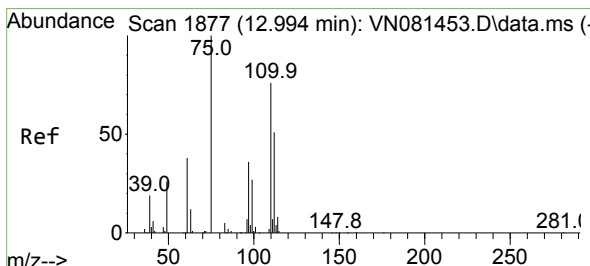
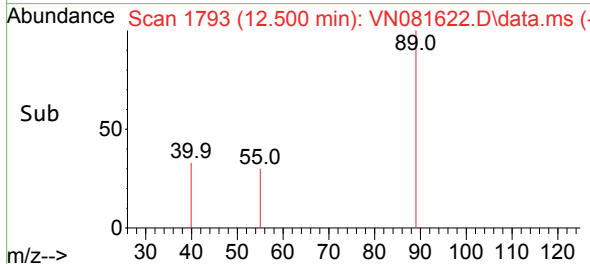
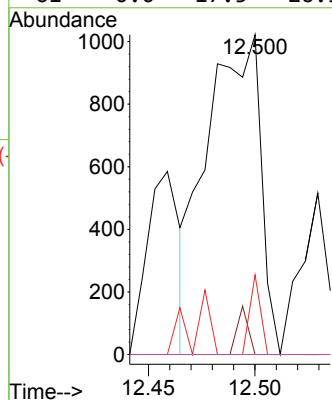
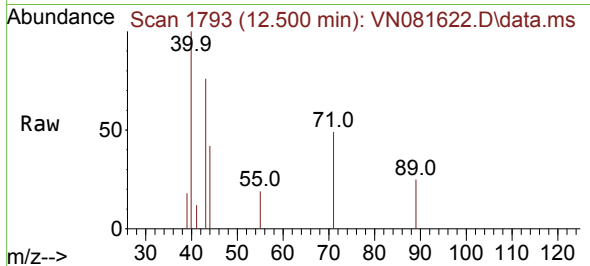




#74
N-amy1 acetate
Concen: 0.231 ug/l
RT: 12.500 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

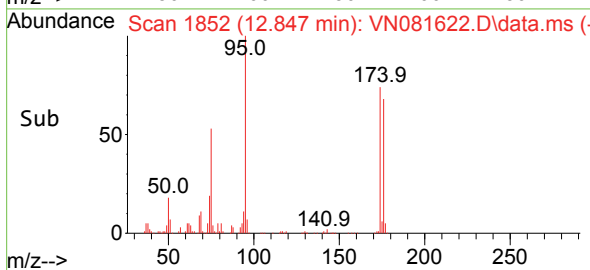
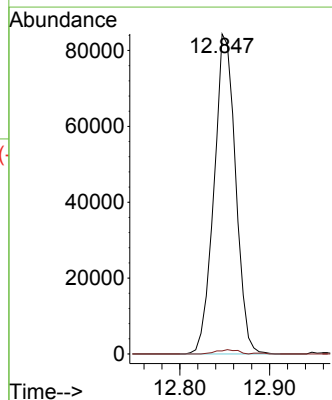
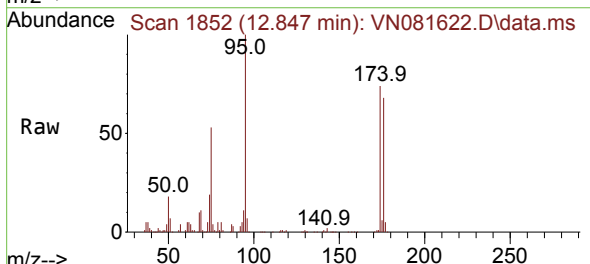
Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

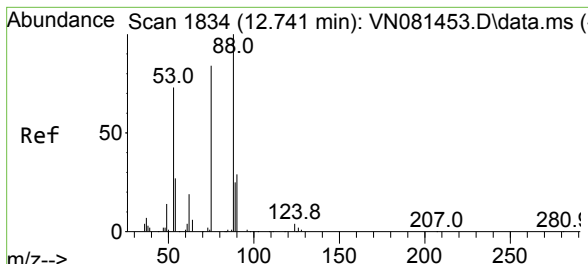
Tgt Ion: 43	Resp: 1796
Ion Ratio	Lower Upper
43 100	
70 3.1	30.1 45.1#
55 5.0	17.0 25.4#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 23.374 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 75	Resp: 140723
Ion Ratio	Lower Upper
75 100	
77 1.3	91.0 272.8#

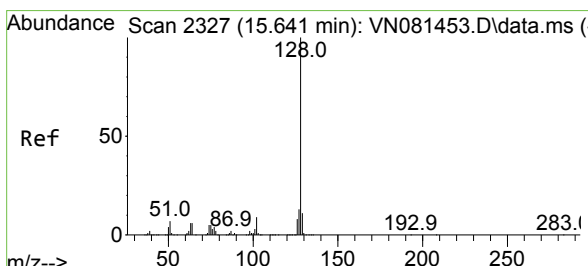
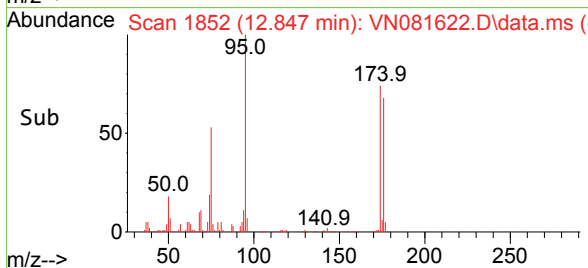
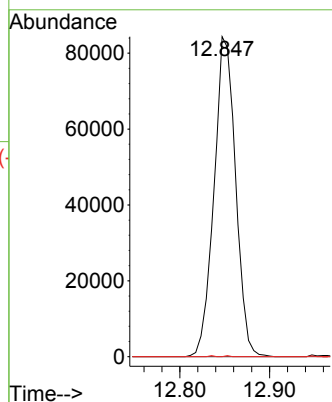
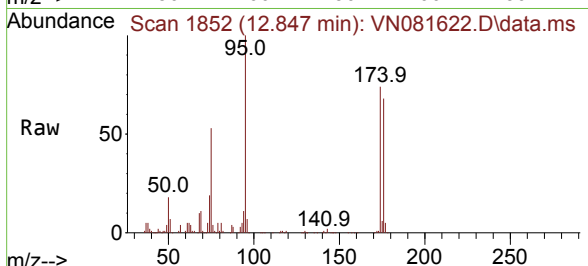




#81
trans-1,4-Dichloro-2-butene
Concen: 63.164 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB159859TB

Tgt Ion: 75 Resp: 140723
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#



#95
Naphthalene
Concen: 0.242 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081622.D
Acq: 29 Mar 2024 17:53

Tgt Ion: 128 Resp: 4258
Ion Ratio Lower Upper
128 100
127 16.1 10.0 15.0#
129 0.0 8.7 13.1#

