

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080534.D
 Acq On : 19 Dec 2023 20:42
 Operator : JC\MD
 Sample : PB157853TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 04:08:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

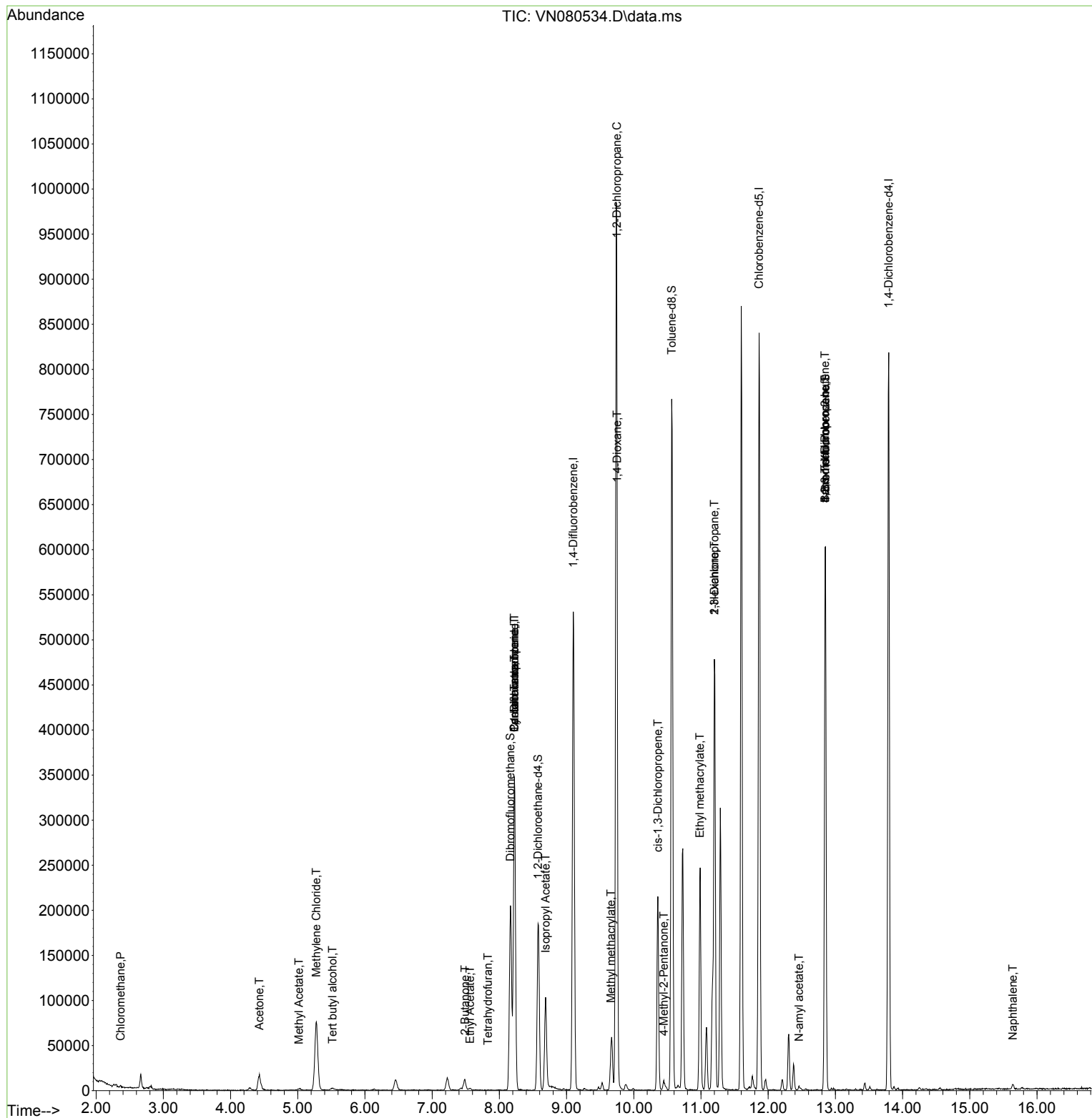
Internal Standards						
1) Pentafluorobenzene	8.224	168	246216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	459208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	482017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	168736	53.657	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.320%	
35) Dibromofluoromethane	8.165	113	144104	49.494	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.980%	
50) Toluene-d8	10.565	98	543483	50.051	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.100%	
62) 4-Bromofluorobenzene	12.853	95	219165	53.153	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2292	0.294	ug/l	95
11) Tert butyl alcohol	5.518	59	2881	7.779	ug/l #	79
16) Acetone	4.430	43	31556	56.593	ug/l	95
18) Methyl Acetate	5.018	43	1651	0.460	ug/l #	79
20) Methylene Chloride	5.277	84	64932	21.760	ug/l	95
25) 2-Butanone	7.488	43	19134	17.813	ug/l #	81
29) Tetrahydrofuran	7.830	42	384	0.499	ug/l #	30
31) Cyclohexane	8.224	56	4979	1.164	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	20191	4.241	ug/l #	49
37) Ethyl Acetate	7.565	43	3280	1.100	ug/l #	78
38) Carbon Tetrachloride	8.224	117	27405	4.818	ug/l #	15
43) Isopropyl Acetate	8.688	43	112766	21.038	ug/l #	87
45) 1,2-Dichloropropane	9.747	63	1239	0.384	ug/l #	45
48) Methyl methacrylate	9.659	41	4946	1.546	ug/l #	27
49) 1,4-Dioxane	9.753	88	70	1.444	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8861	3.002	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	41652	7.248	ug/l #	66
56) Ethyl methacrylate	10.982	69	1101	0.318	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5009	0.914	ug/l #	42
59) 2-Hexanone	11.200	43	63785	29.268	ug/l #	55
71) Bromoform	12.847	173	1051	0.343	ug/l #	28
74) N-amyl acetate	12.459	43	3552	0.674	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	116407	25.977	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	116407	68.205	ug/l #	15
95) Naphthalene	15.641	128	5680	0.454	ug/l	98

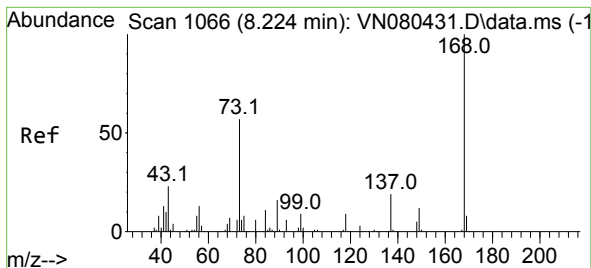
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080534.D

Acq: 19 Dec 2023 20:42

Instrument :

MSVOA_N

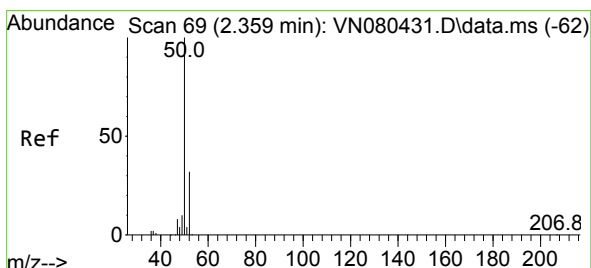
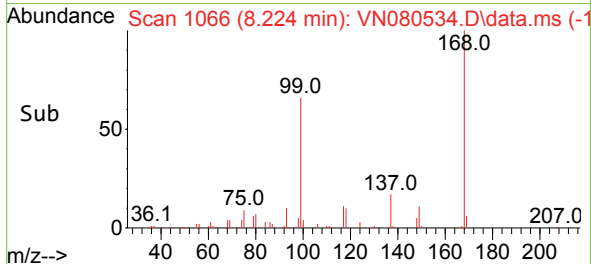
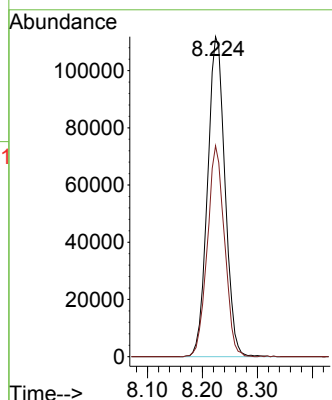
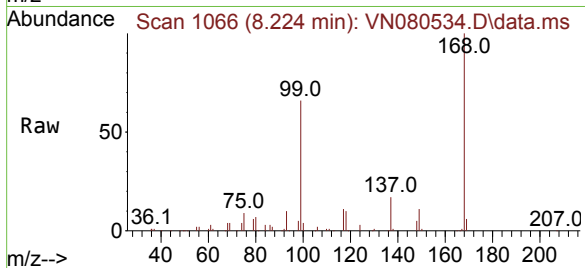
ClientSampleId :

Tgt Ion:168 Resp: 246216

Ion Ratio Lower Upper

168 100

99 65.9 53.0 79.6



#3

Chloromethane

Concen: 0.294 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080534.D

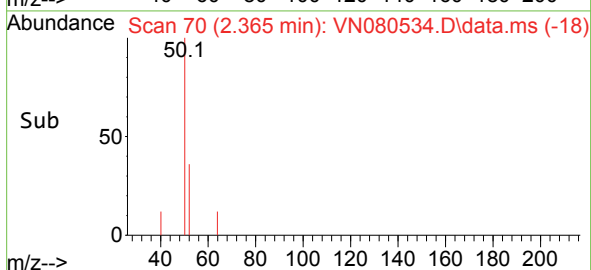
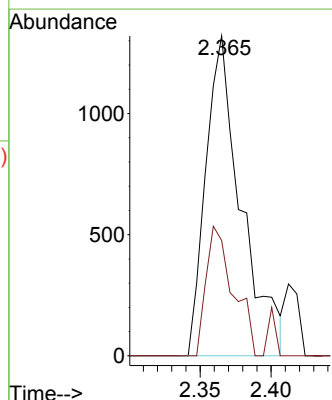
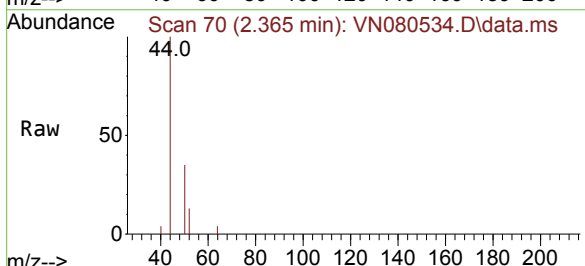
Acq: 19 Dec 2023 20:42

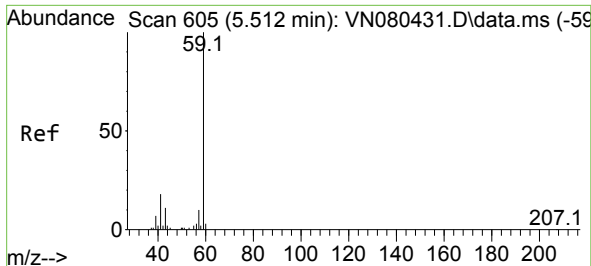
Tgt Ion: 50 Resp: 2292

Ion Ratio Lower Upper

50 100

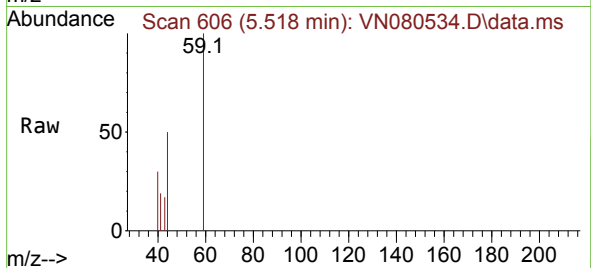
52 36.1 26.5 39.7



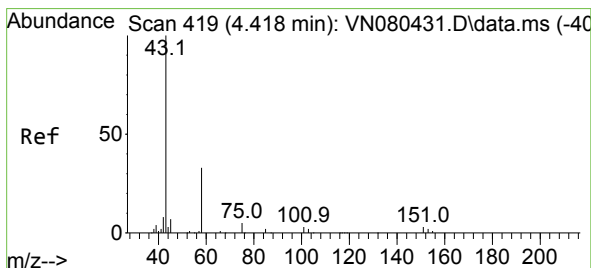
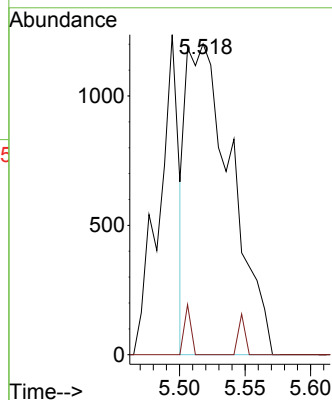
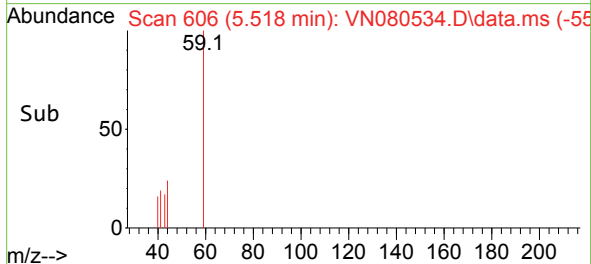


#11
Tert butyl alcohol
Concen: 7.779 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

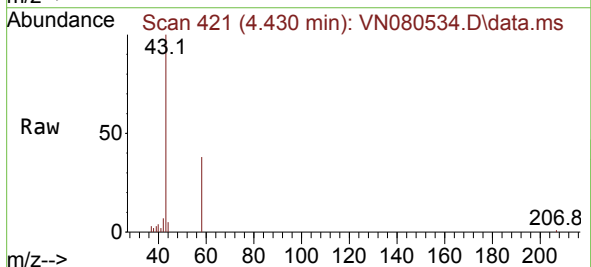
Instrument :
MSVOA_N
ClientSampleId :



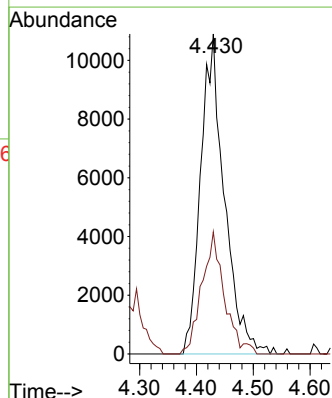
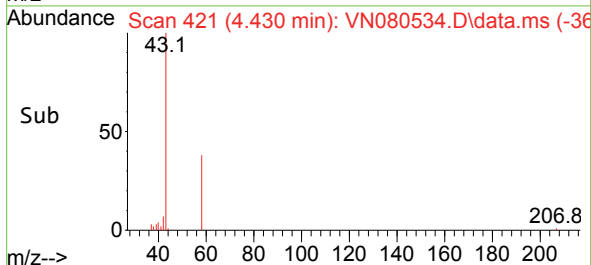
Tgt Ion: 59 Resp: 2881
Ion Ratio Lower Upper
59 100
57 2.4 8.2 12.4#

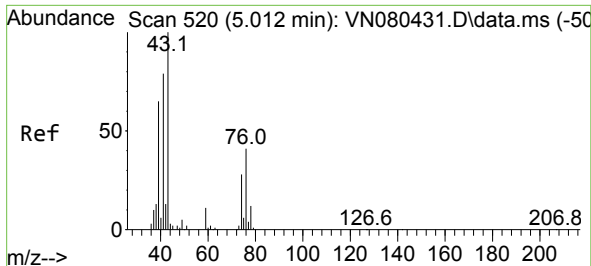


#16
Acetone
Concen: 56.593 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42



Tgt Ion: 43 Resp: 31556
Ion Ratio Lower Upper
43 100
58 38.2 28.0 42.0





#18

Methyl Acetate

Concen: 0.460 ug/l

RT: 5.018 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN080534.D

Acq: 19 Dec 2023 20:42

Instrument :

MSVOA_N

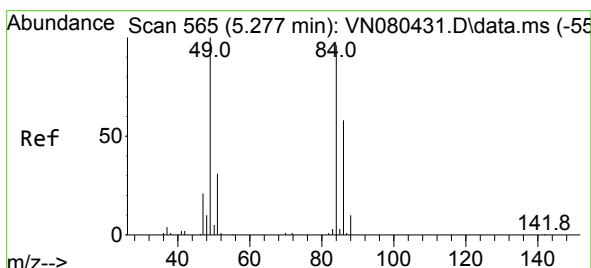
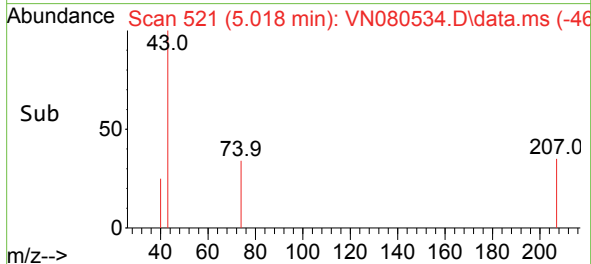
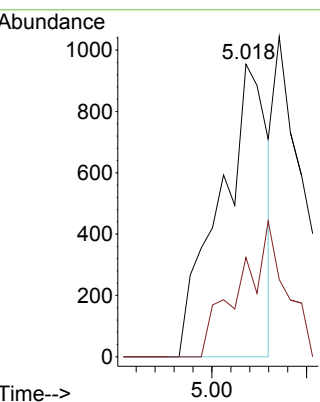
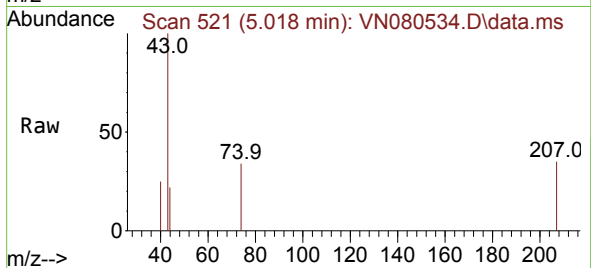
ClientSampleId :

Tgt Ion: 43 Resp: 1651

Ion Ratio Lower Upper

43 100

74 44.8 26.2 39.4#



#20

Methylene Chloride

Concen: 21.760 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN080534.D

Acq: 19 Dec 2023 20:42

Tgt Ion: 84 Resp: 64932

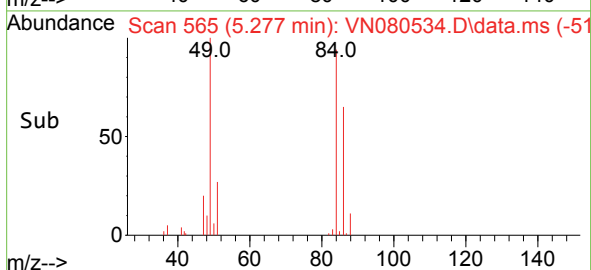
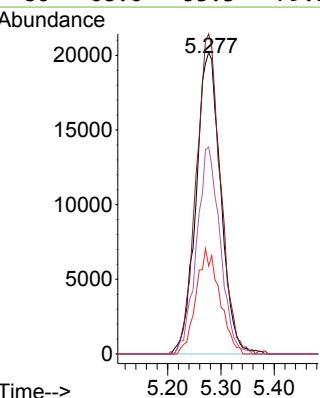
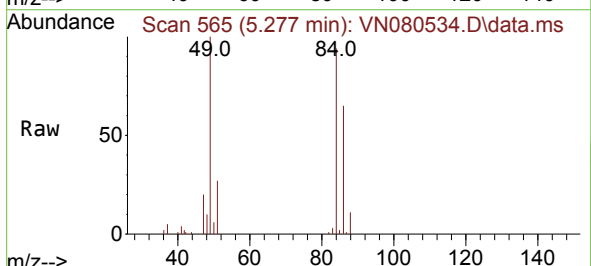
Ion Ratio Lower Upper

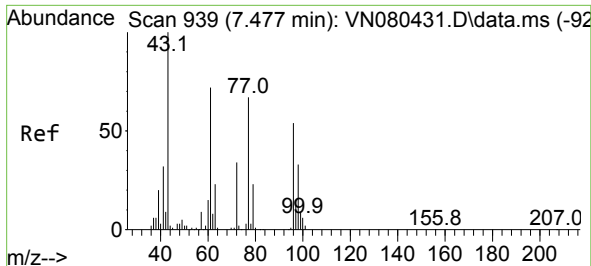
84 100

49 106.1 79.7 119.5

51 29.2 25.2 37.8

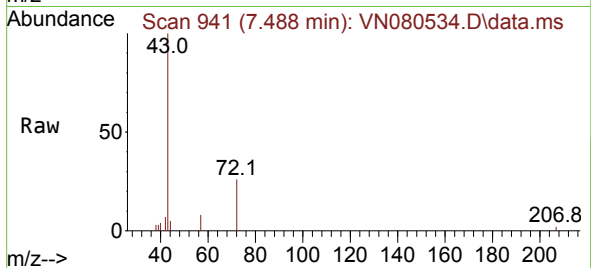
86 68.6 53.3 79.9



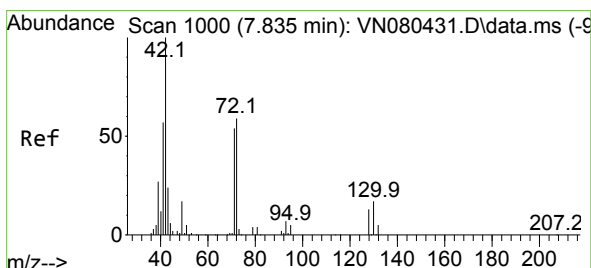
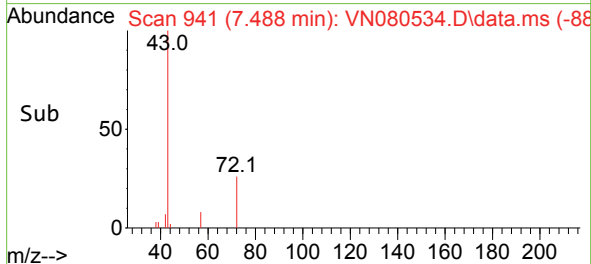
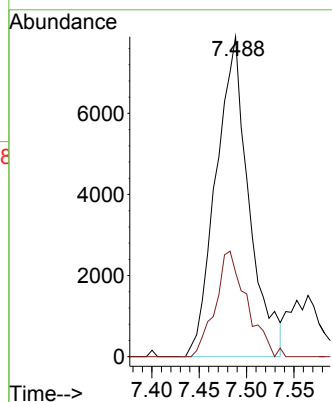


#25
2-Butanone
Concen: 17.813 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Instrument :
MSVOA_N
ClientSampleId :

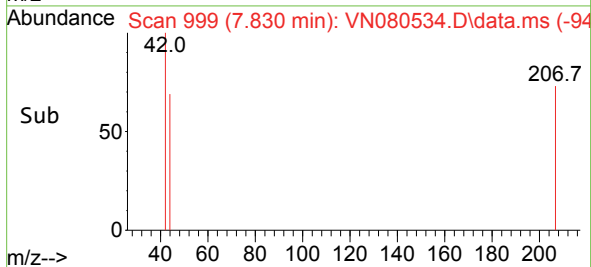
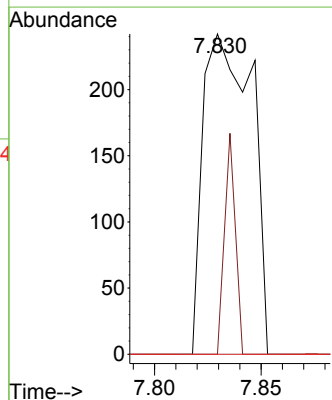
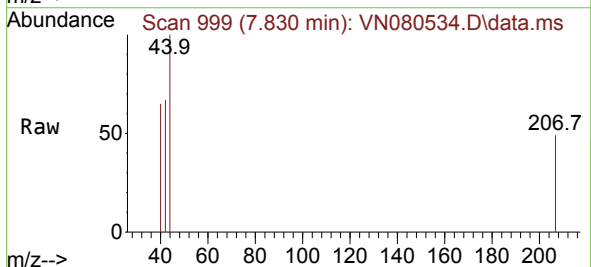


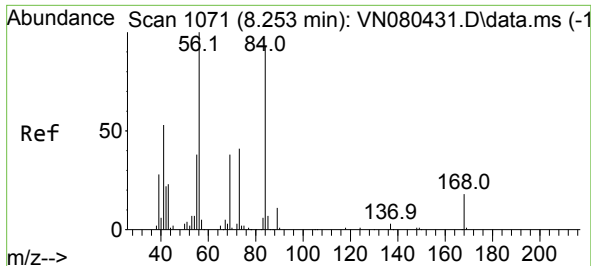
Tgt Ion: 43 Resp: 19134
Ion Ratio Lower Upper
43 100
72 26.4 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.499 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

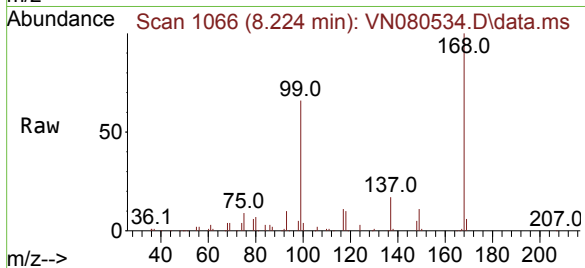
Tgt Ion: 42 Resp: 384
Ion Ratio Lower Upper
42 100
72 15.4 49.8 74.6#
71 0.0 47.4 71.2#



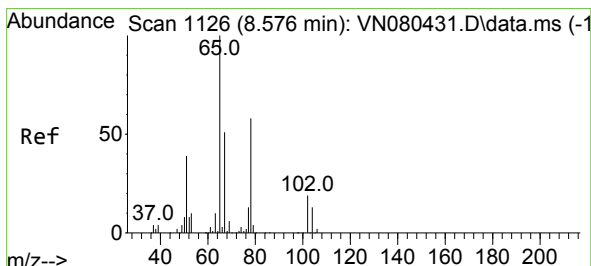
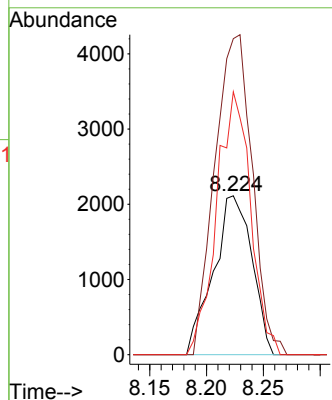
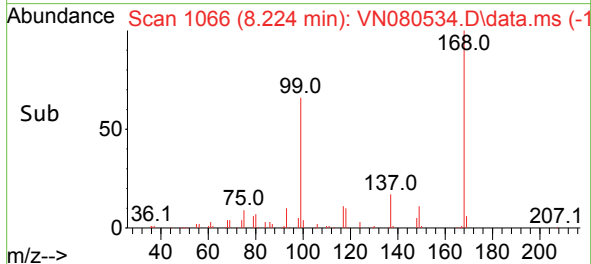


#31
Cyclohexane
Concen: 1.164 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Instrument :
MSVOA_N
ClientSampleId :

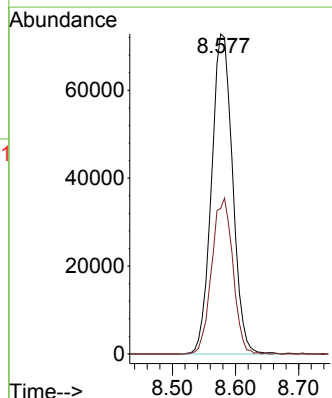
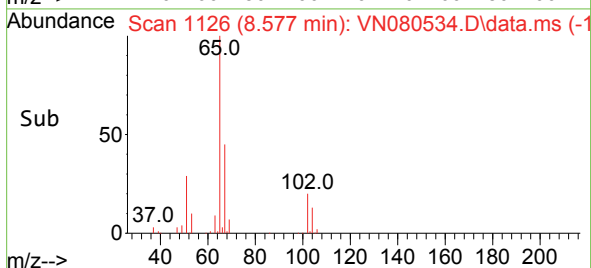
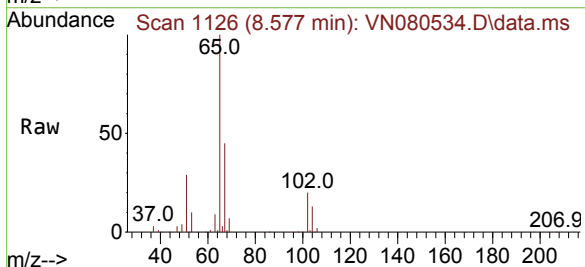


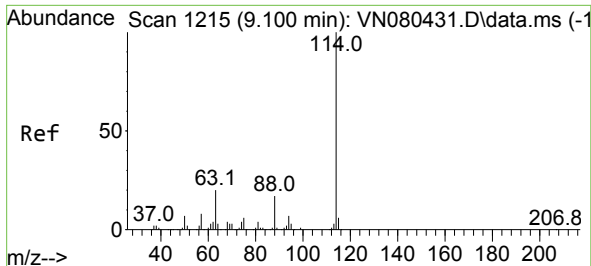
Tgt Ion: 56 Resp: 4979
Ion Ratio Lower Upper
56 100
69 198.9 26.8 40.2#
84 165.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.657 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

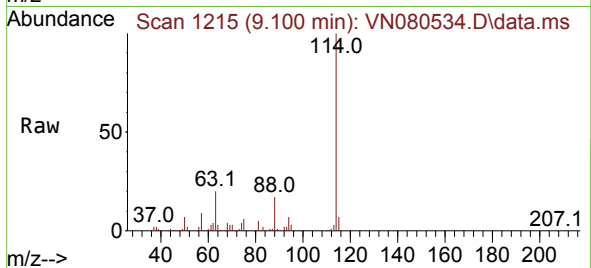
Tgt Ion: 65 Resp: 168736
Ion Ratio Lower Upper
65 100
67 48.8 0.0 106.6



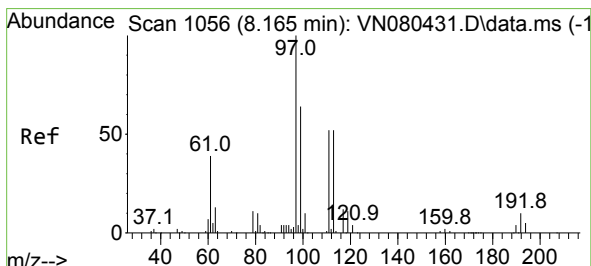
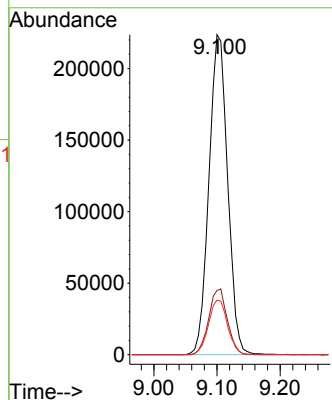
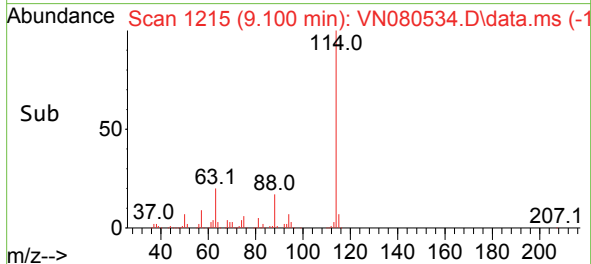


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Instrument :
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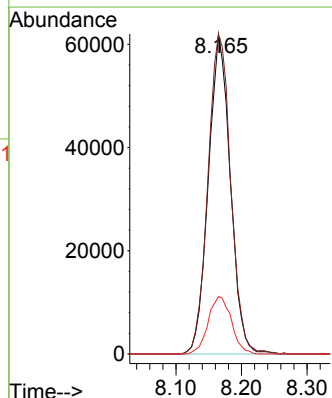
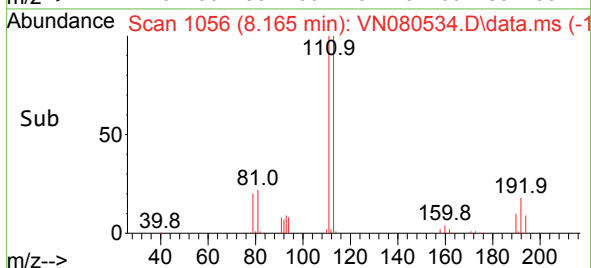
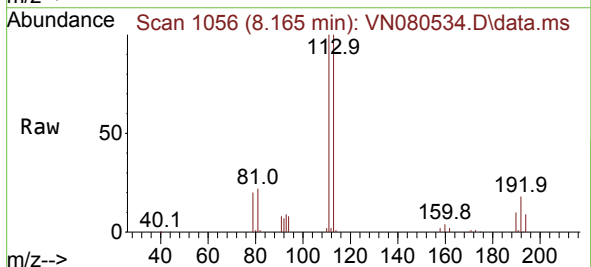


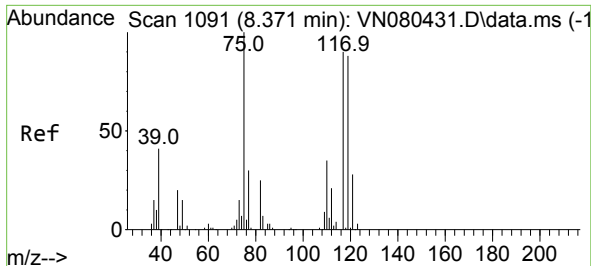
Tgt Ion:114 Resp: 459208
Ion Ratio Lower Upper
114 100
63 20.1 0.0 36.4
88 17.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.494 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

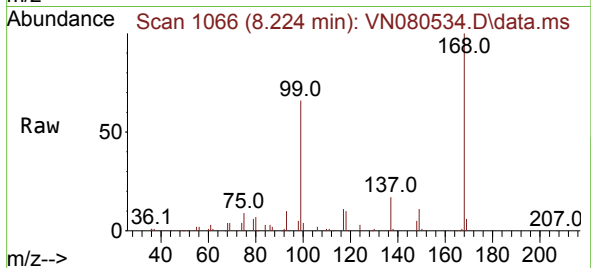
Tgt Ion:113 Resp: 144104
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 19.0 12.7 19.1



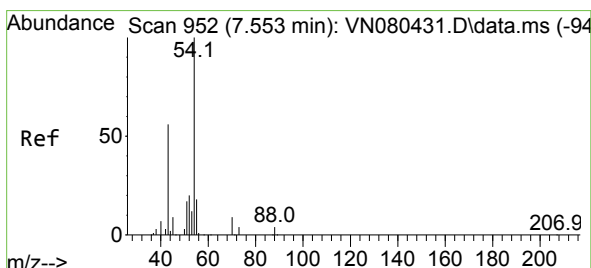
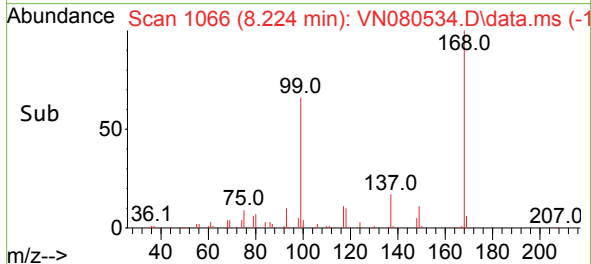
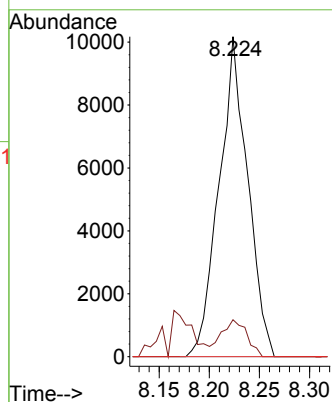


#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Instrument :
MSVOA_N
ClientSampleId :

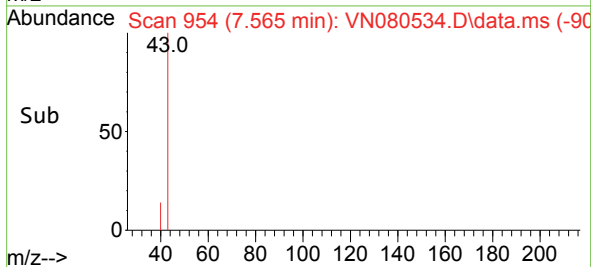
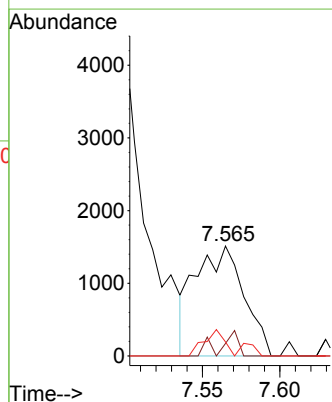
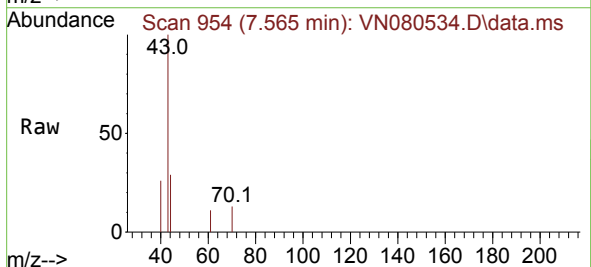


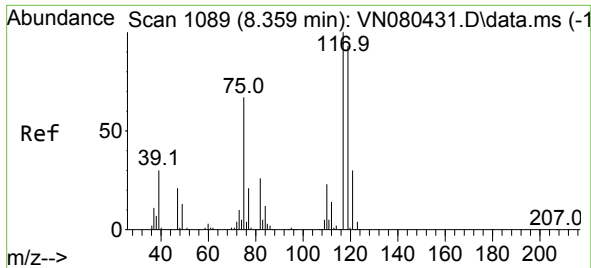
Tgt Ion: 75 Resp: 20191
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.100 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

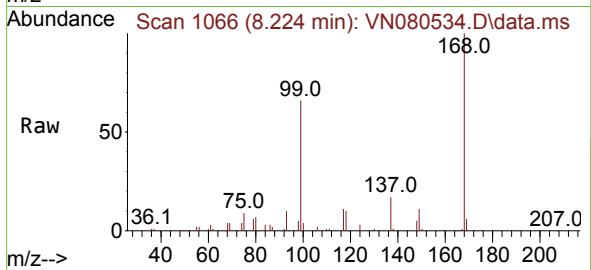
Tgt Ion: 43 Resp: 3280
Ion Ratio Lower Upper
43 100
61 8.4 13.2 19.8#
70 3.5 11.3 16.9#



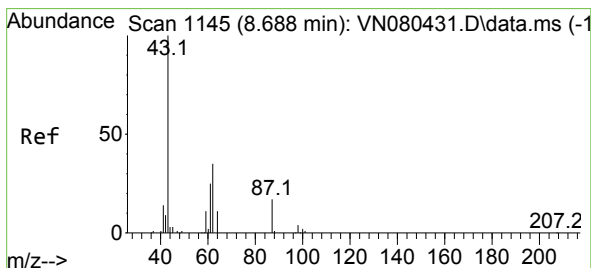
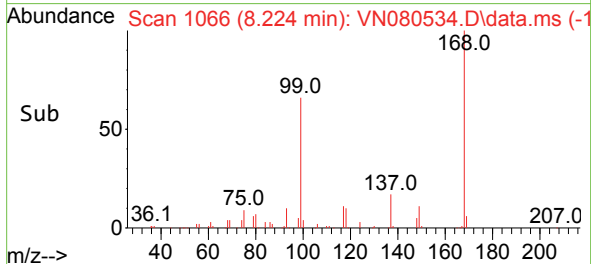
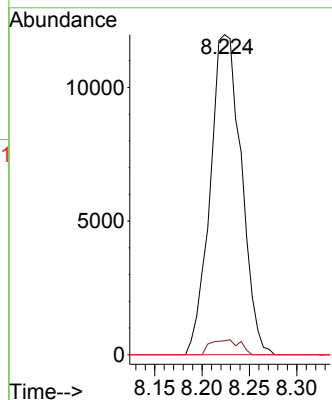


#38
Carbon Tetrachloride
Concen: 4.818 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Instrument :
MSVOA_N
ClientSampleId :

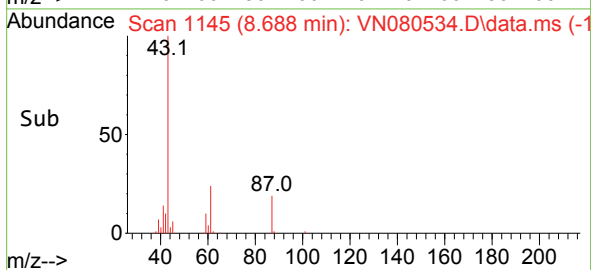
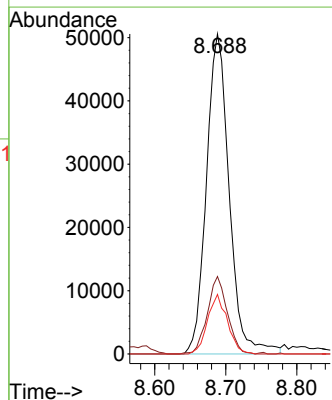
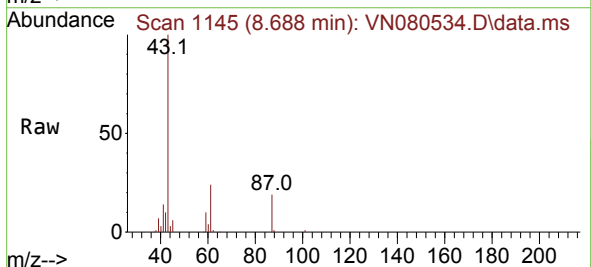


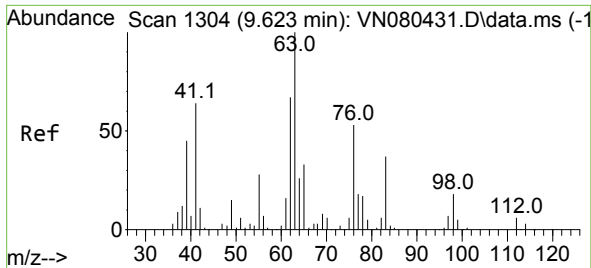
Tgt Ion:117 Resp: 27405
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 21.038 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Tgt Ion: 43 Resp: 112766
Ion Ratio Lower Upper
43 100
61 21.2 24.7 37.1#
87 16.2 14.6 21.8

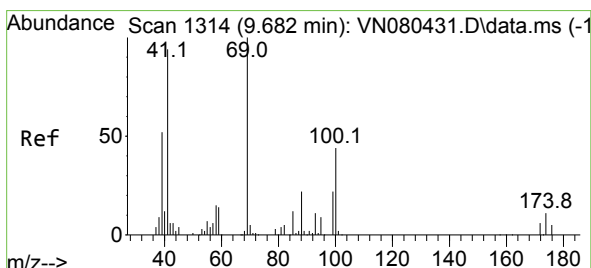
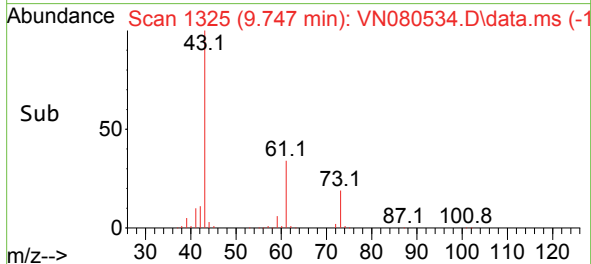
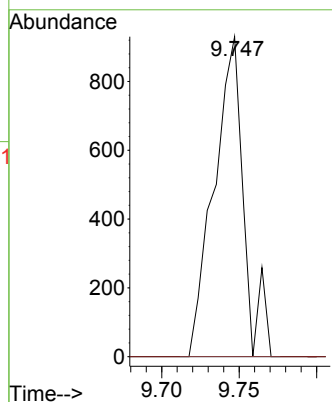
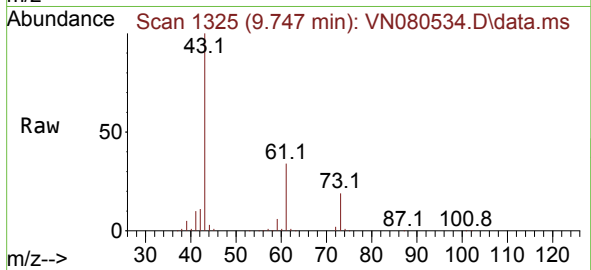




#45
1,2-Dichloropropane
Concen: 0.384 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.124 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

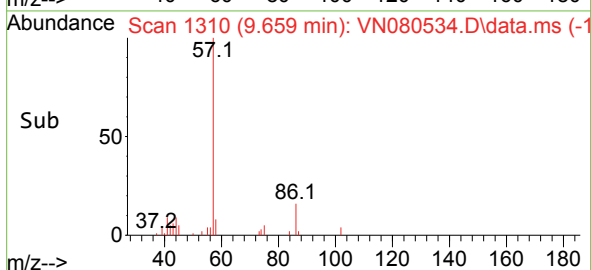
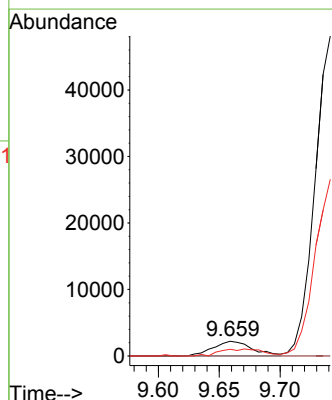
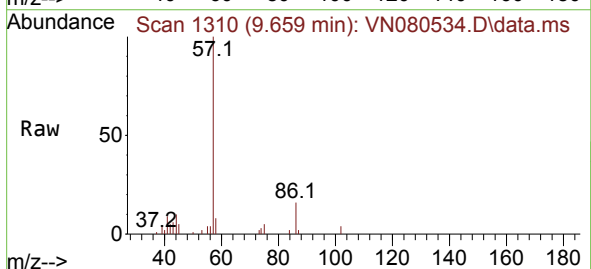
Instrument :
MSVOA_N
ClientSampleId :

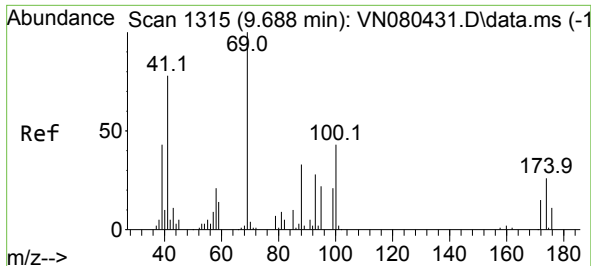
Tgt Ion: 63 Resp: 1239
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.546 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.023 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

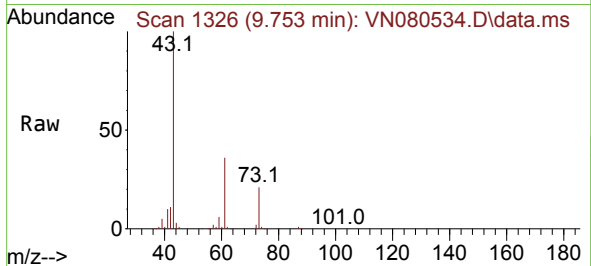
Tgt Ion: 41 Resp: 4946
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 53.0 54.6 81.8#



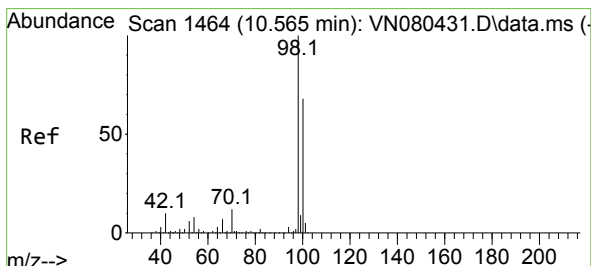
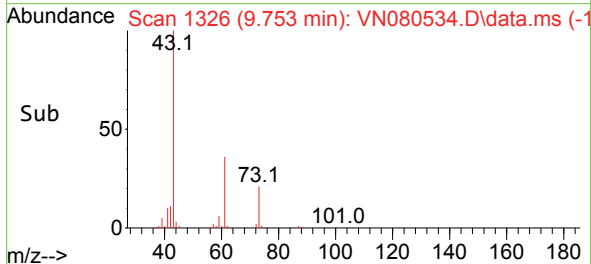
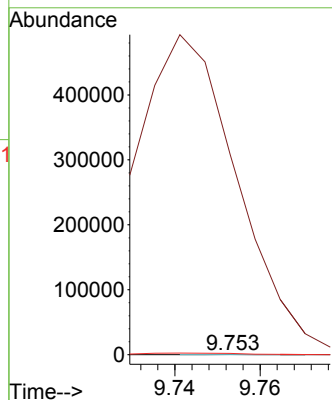


#49
1,4-Dioxane
Concen: 1.444 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Instrument :
MSVOA_N
ClientSampleId :

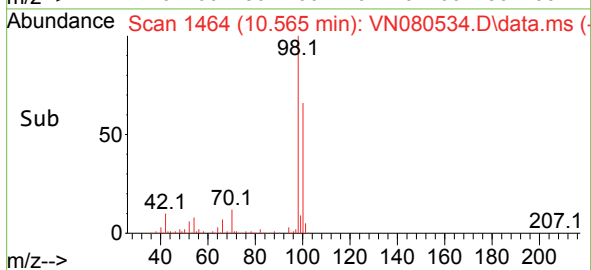
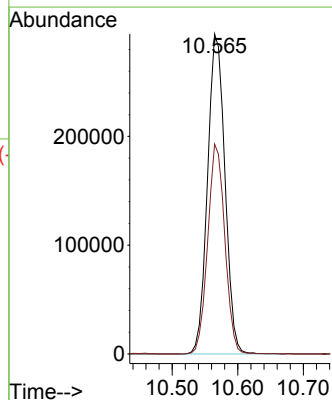
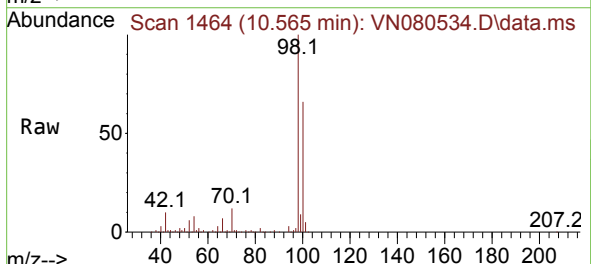


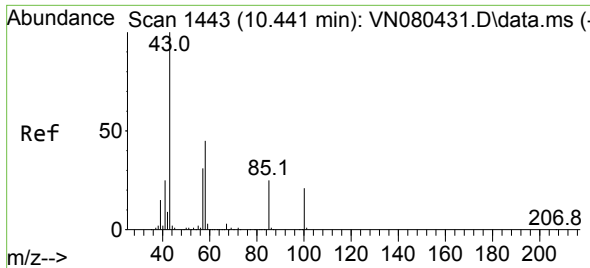
Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 1253144.3 17.0 25.6#
58 6401.4 47.0 70.4#



#50
Toluene-d8
Concen: 50.051 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Tgt Ion: 98 Resp: 543483
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

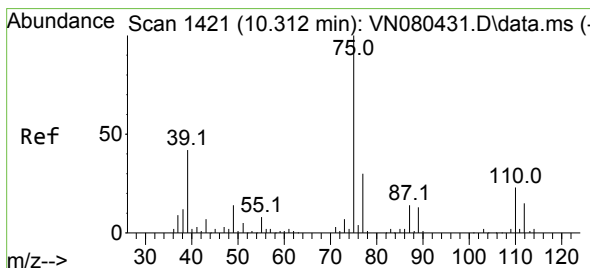
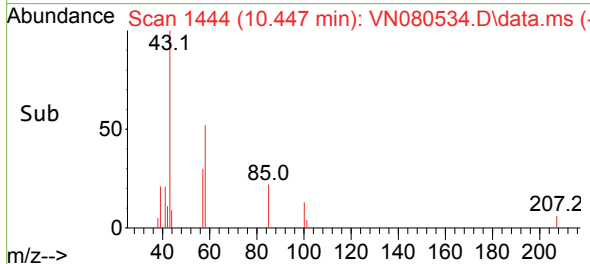
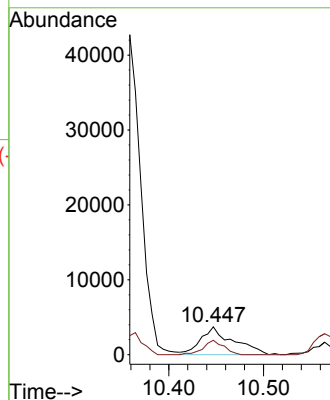
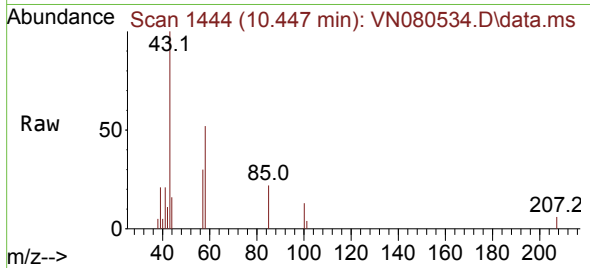




#51
4-Methyl-2-Pentanone
Concen: 3.002 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

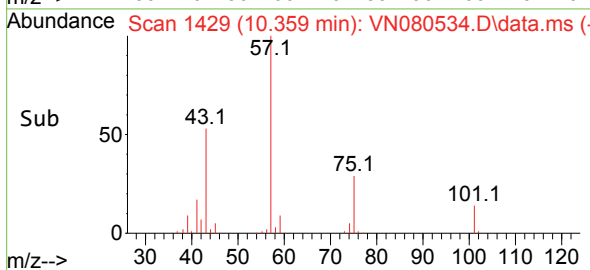
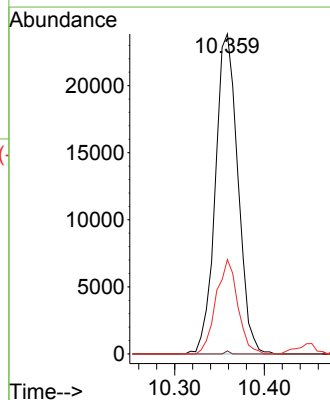
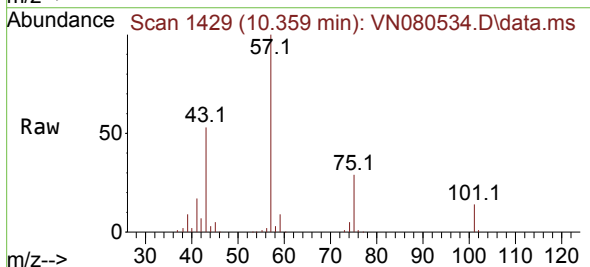
Instrument :
MSVOA_N
ClientSampleId :

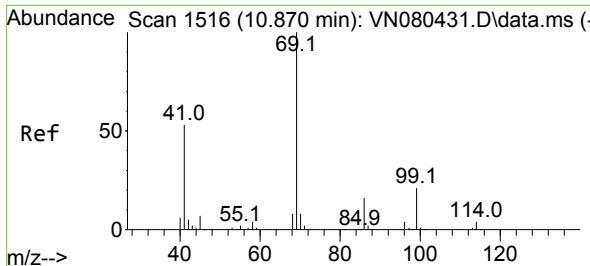
Tgt Ion: 43 Resp: 8861
Ion Ratio Lower Upper
43 100
58 32.5 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 7.248 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Tgt Ion: 75 Resp: 41652
Ion Ratio Lower Upper
75 100
77 1.0 26.1 39.1#
39 29.5 31.6 47.4#

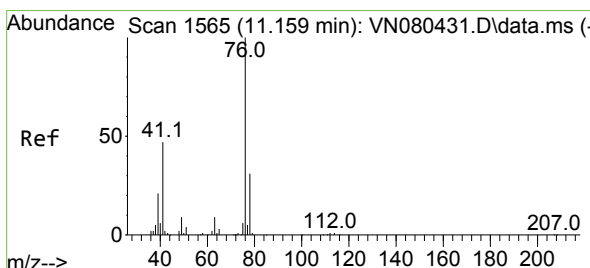
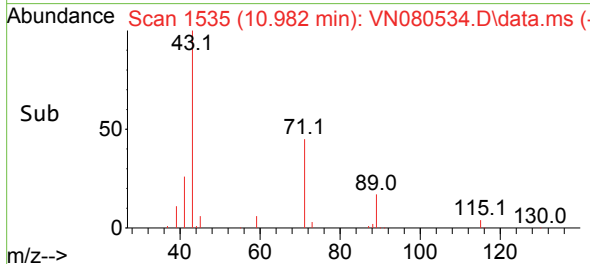
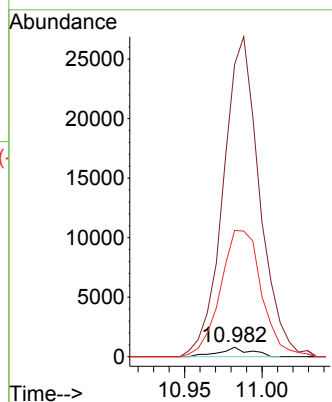
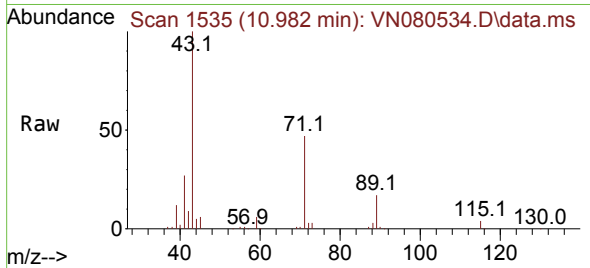




#56
 Ethyl methacrylate
 Concen: 0.318 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN080534.D
 Acq: 19 Dec 2023 20:42

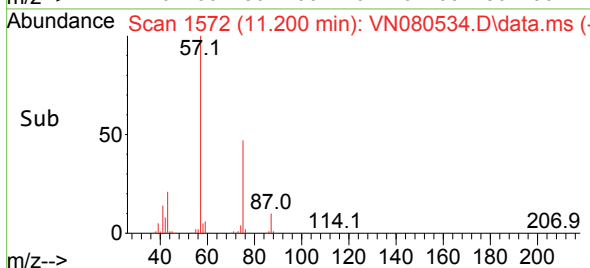
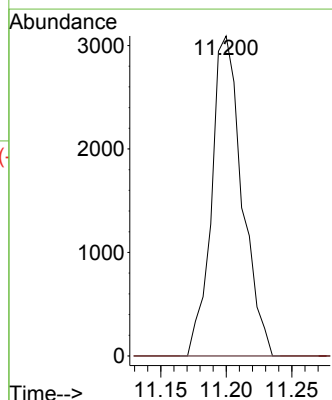
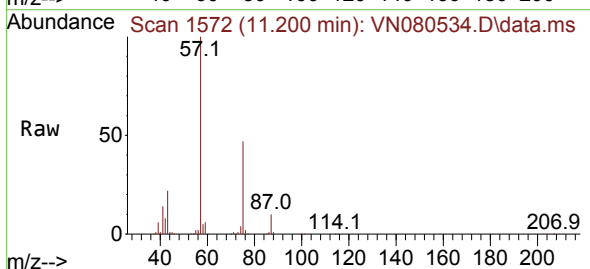
Instrument :
 MSVOA_N
 ClientSampleId :

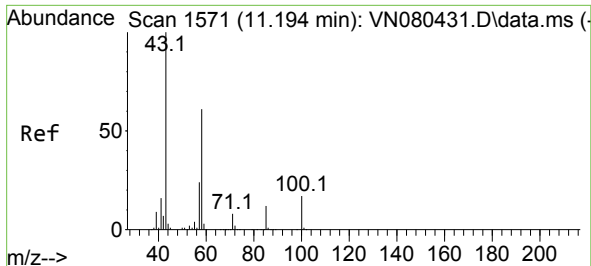
Tgt Ion: 69 Resp: 1101
 Ion Ratio Lower Upper
 69 100
 41 3986.3 39.6 59.4#
 39 1779.8 28.6 43.0#



#57
 1,3-Dichloropropane
 Concen: 0.914 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN080534.D
 Acq: 19 Dec 2023 20:42

Tgt Ion: 76 Resp: 5009
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

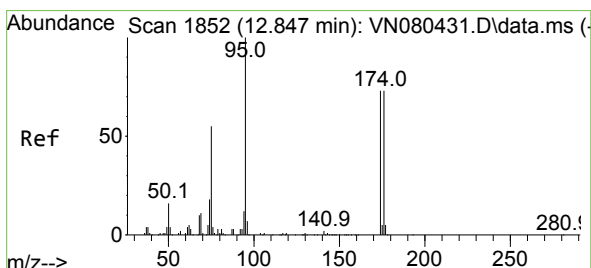
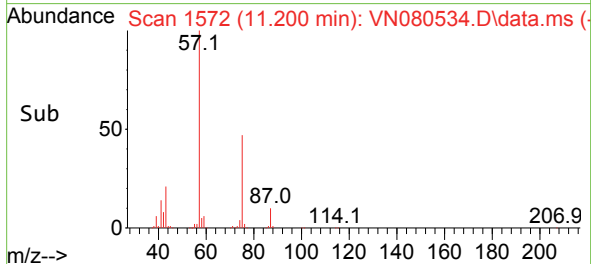
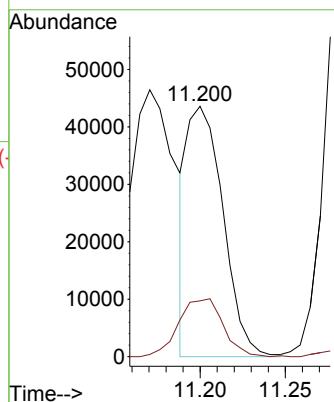
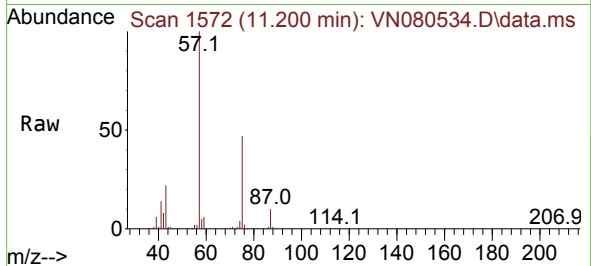




#59
2-Hexanone
Concen: 29.268 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

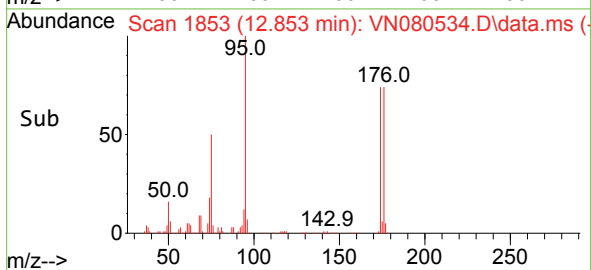
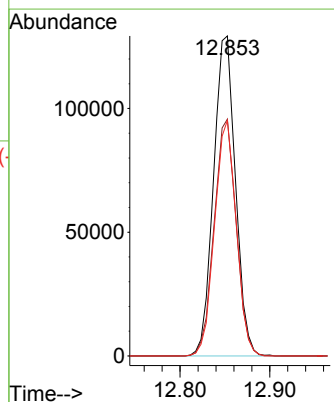
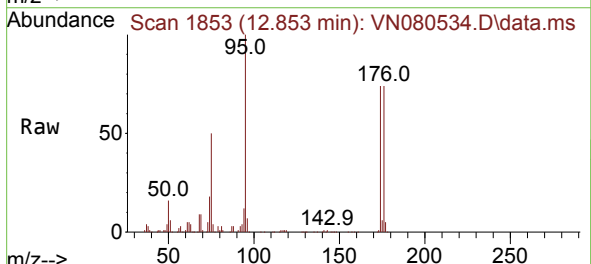
Instrument :
MSVOA_N
ClientSampleId :

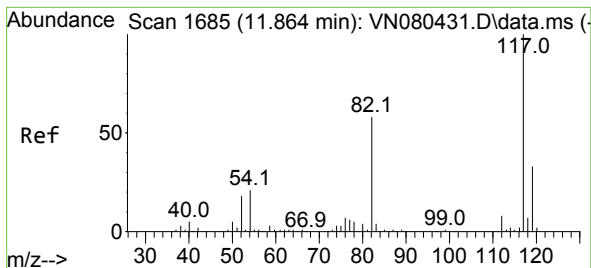
Tgt Ion: 43 Resp: 63785
Ion Ratio Lower Upper
43 100
58 28.8 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.153 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Tgt Ion: 95 Resp: 219165
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 72.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080534.D

Acq: 19 Dec 2023 20:42

Instrument :

MSVOA_N

ClientSampleId :

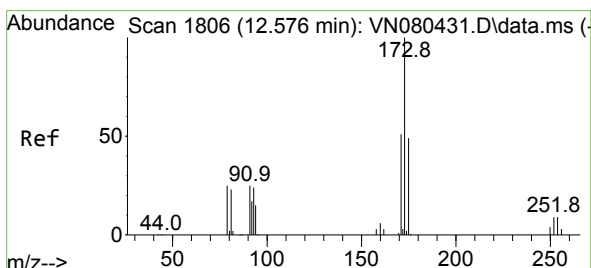
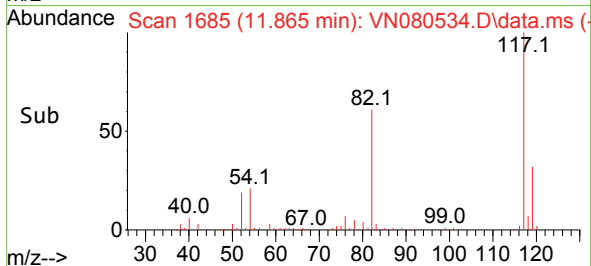
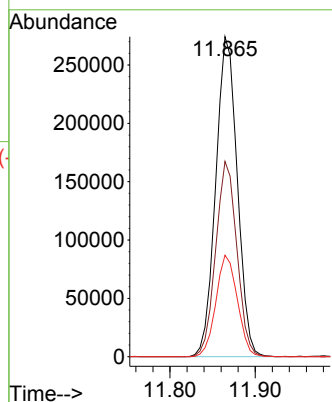
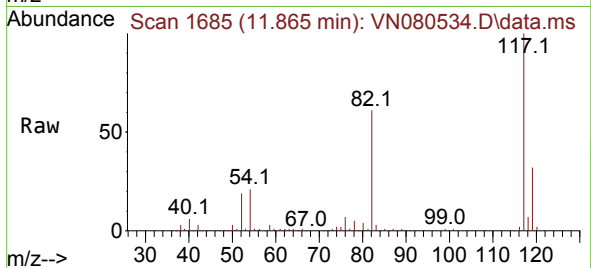
Tgt Ion:117 Resp: 482017

Ion Ratio Lower Upper

117 100

82 61.0 44.0 66.0

119 31.7 25.6 38.4



#71

Bromoform

Concen: 0.343 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN080534.D

Acq: 19 Dec 2023 20:42

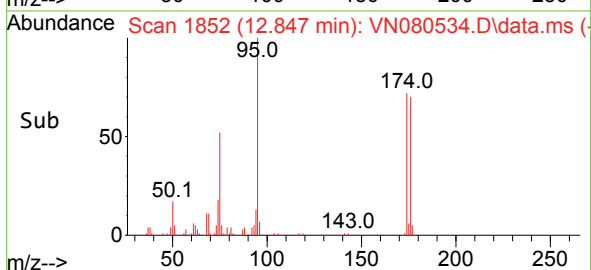
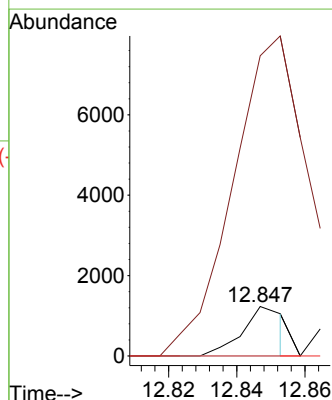
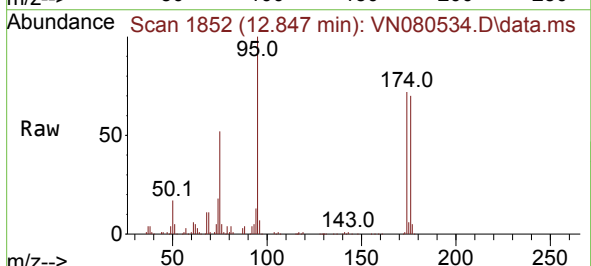
Tgt Ion:173 Resp: 1051

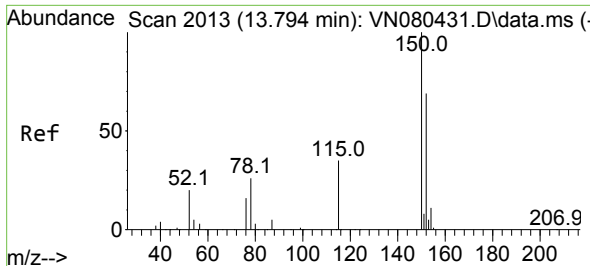
Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

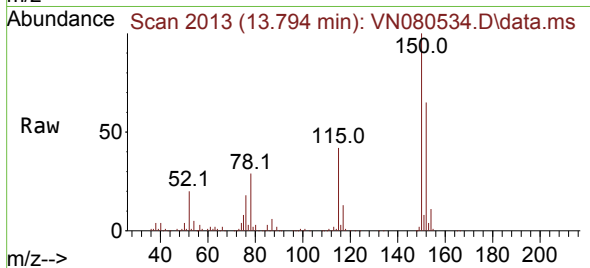
254 0.0 0.0 0.0



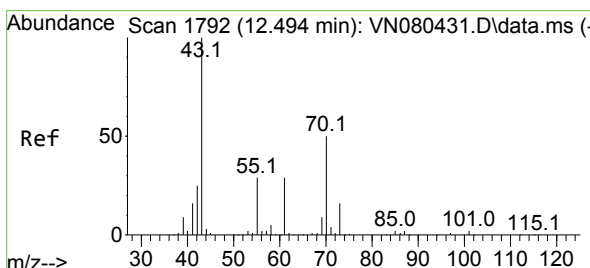
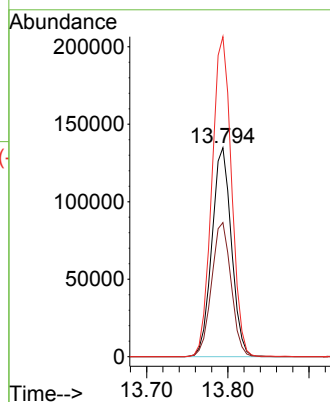
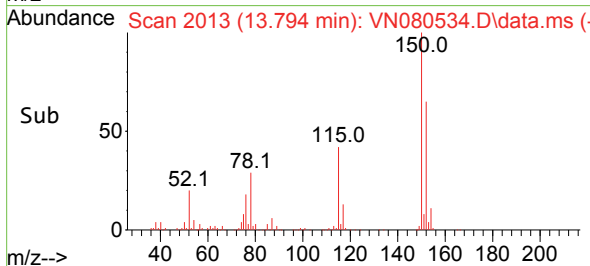


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080534.D
 Acq: 19 Dec 2023 20:42

Instrument :
 MSVOA_N
 ClientSampleId :

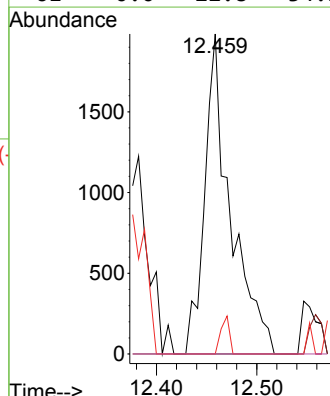
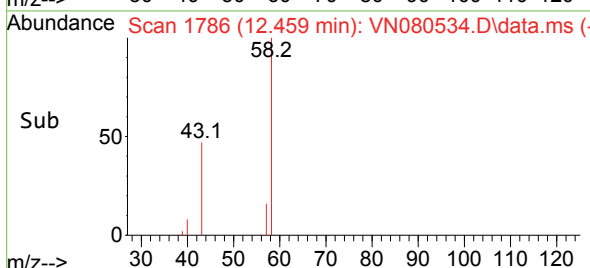
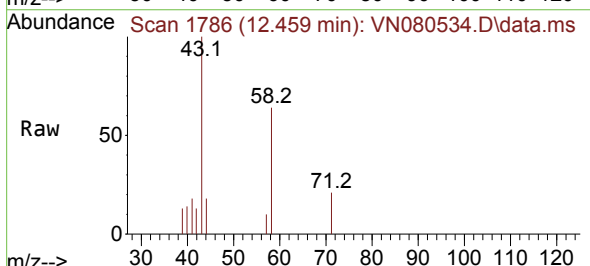


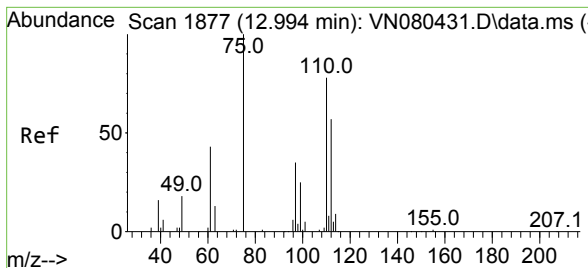
Tgt Ion:152 Resp: 224622
 Ion Ratio Lower Upper
 152 100
 115 64.4 32.3 96.8
 150 154.2 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.674 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN080534.D
 Acq: 19 Dec 2023 20:42

Tgt Ion: 43 Resp: 3552
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 3.9 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 25.977 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

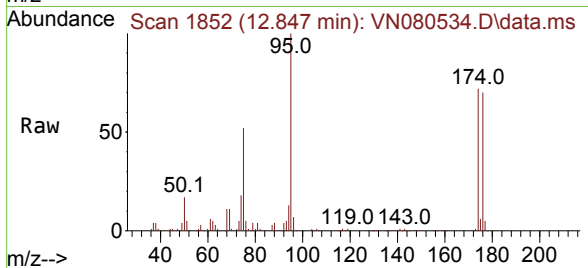
Lab File: VN080534.D

Acq: 19 Dec 2023 20:42

Instrument :

MSVOA_N

ClientSampleId :

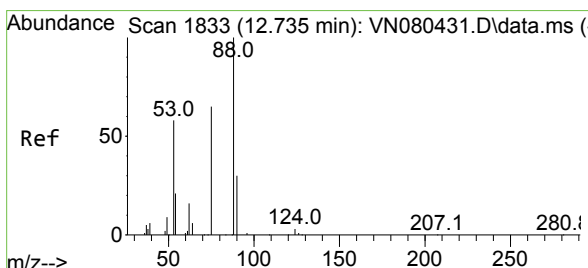
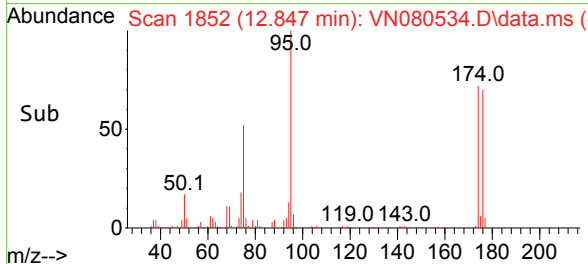
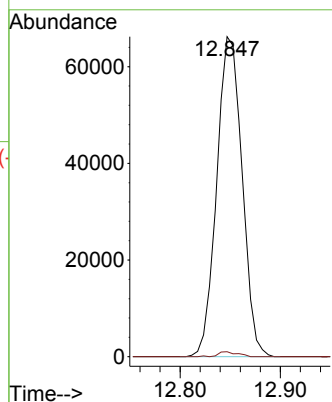


Tgt Ion: 75 Resp: 116407

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.205 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080534.D

Acq: 19 Dec 2023 20:42

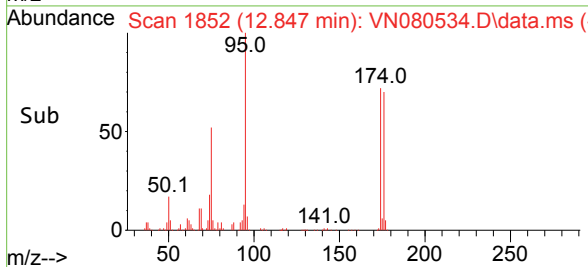
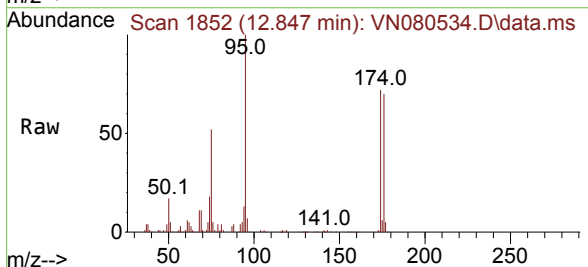
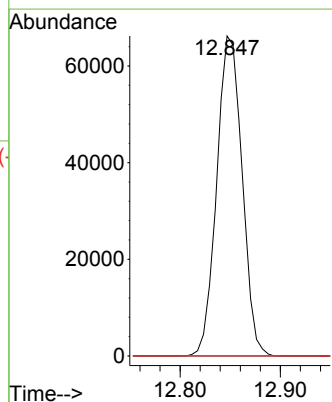
Tgt Ion: 75 Resp: 116407

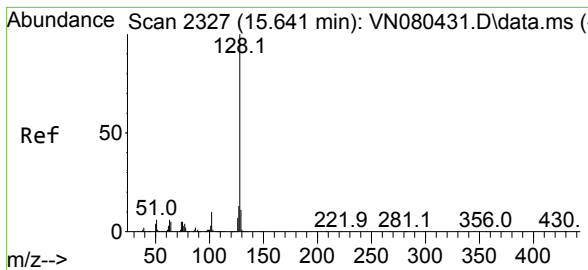
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

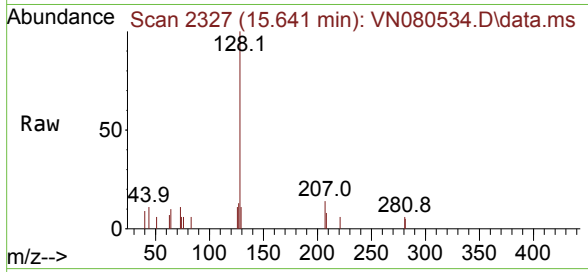
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.454 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080534.D
Acq: 19 Dec 2023 20:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	5680
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.0	15.0
129	11.4	8.7	13.1

