

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081137.D
 Acq On : 22 Feb 2024 15:59
 Operator : JC\MD
 Sample : PB159161TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 04:27:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

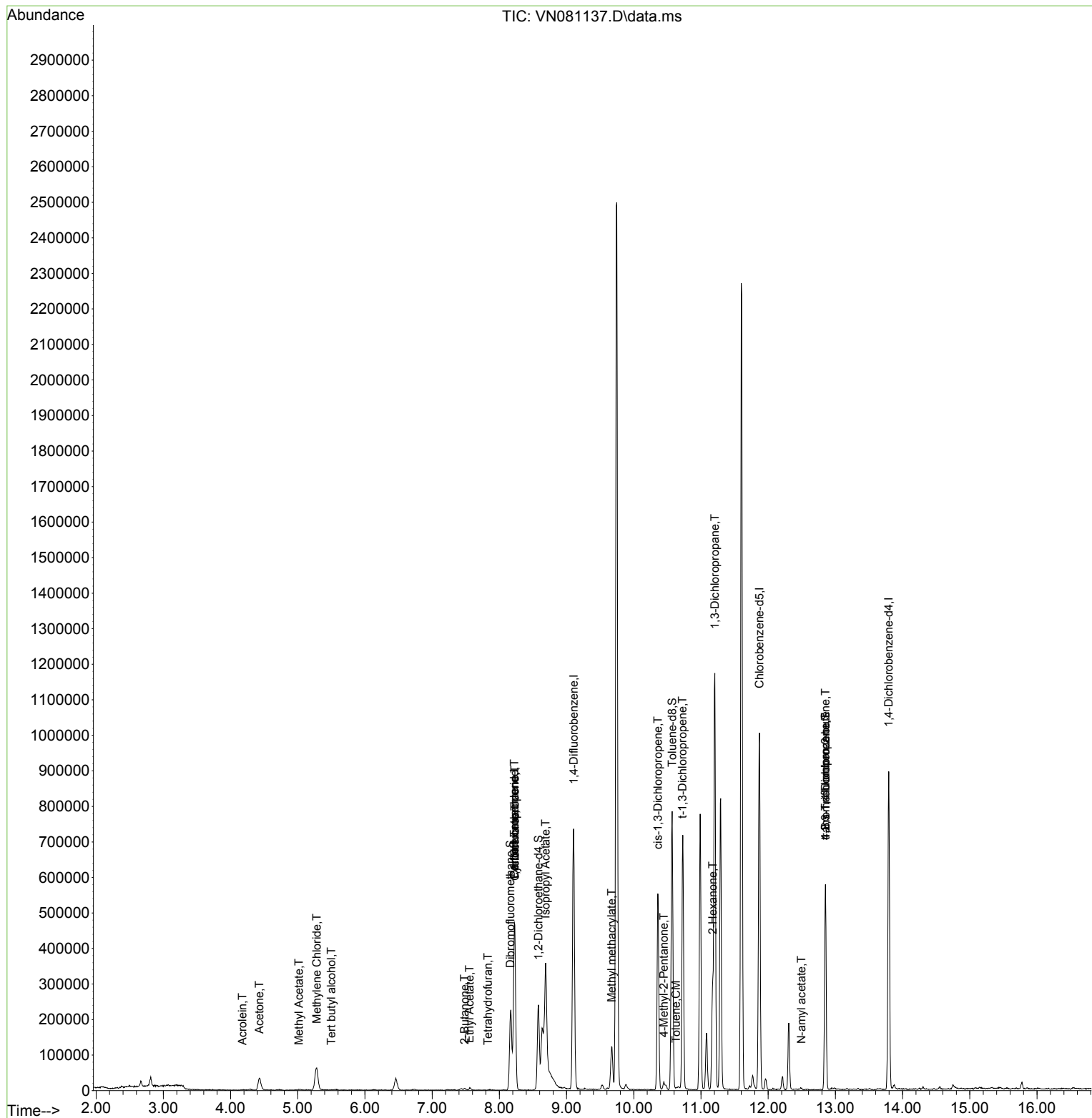
Internal Standards						
1) Pentafluorobenzene	8.224	168	339829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	648529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	583320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	234873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	191760	46.037	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.080%		
35) Dibromofluoromethane	8.165	113	162811	44.396	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.800%		
50) Toluene-d8	10.571	98	538026	41.307	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	82.620%#		
62) 4-Bromofluorobenzene	12.853	95	197181	40.289	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	80.580%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	806	Below Cal	#	69
6) Chloroethane	3.148	64	70	Below Cal	#	42
11) Tert butyl alcohol	5.500	59	734	0.958	ug/l #	72
13) Acrolein	4.177	56	489	1.191	ug/l #	73
16) Acetone	4.430	43	65093	39.716	ug/l	94
18) Methyl Acetate	5.018	43	3703	0.926	ug/l #	69
20) Methylene Chloride	5.283	84	49639	10.982	ug/l #	86
25) 2-Butanone	7.483	43	6961	2.629	ug/l	98
29) Tetrahydrofuran	7.830	42	497	0.281	ug/l #	60
31) Cyclohexane	8.230	56	7800	1.085	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	30107	4.792	ug/l #	51
37) Ethyl Acetate	7.559	43	7840	1.383	ug/l	95
38) Carbon Tetrachloride	8.224	117	37764	5.941	ug/l #	17
43) Isopropyl Acetate	8.688	43	500467	50.466	ug/l #	80
48) Methyl methacrylate	9.671	41	7628	1.653	ug/l #	48
49) 1,4-Dioxane	9.718	88	134	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	14178	2.485	ug/l	98
52) Toluene	10.629	92	2332	0.203	ug/l #	61
53) t-1,3-Dichloropropene	10.724	75	1889	0.271	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	102886	13.651	ug/l #	58
57) 1,3-Dichloropropane	11.206	76	12447	1.626	ug/l #	44
59) 2-Hexanone	11.176	43	228631	50.552	ug/l #	26
74) N-amyl acetate	12.494	43	3023	0.348	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	108716	20.372	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	108716	52.437	ug/l #	14

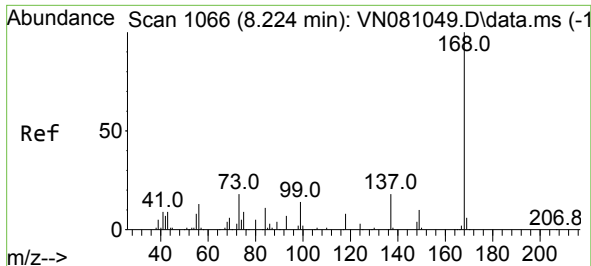
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB159161TB
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Instrument :
MSVOA_N
ClientSampleId :

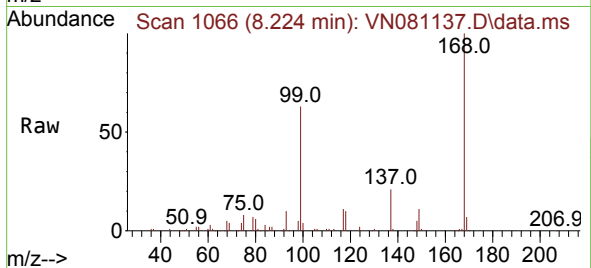
Quant Time: Feb 23 04:27:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration



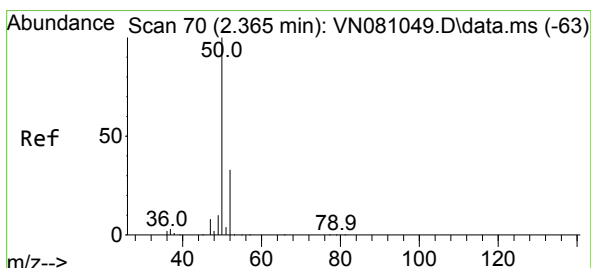
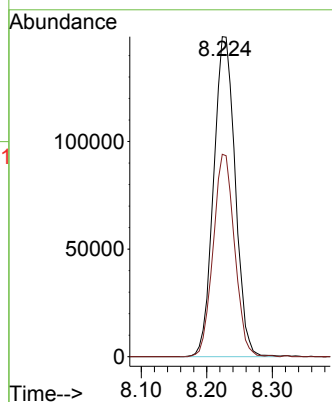
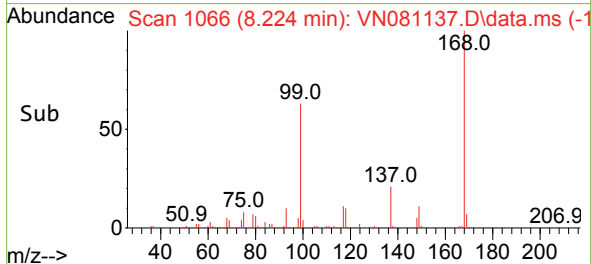


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Instrument :
MSVOA_N
ClientSampleId :

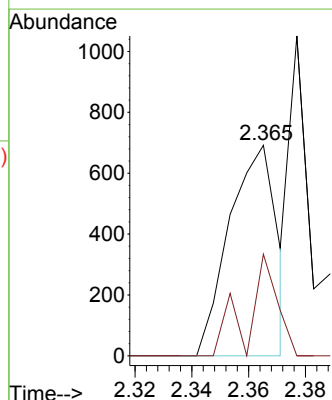
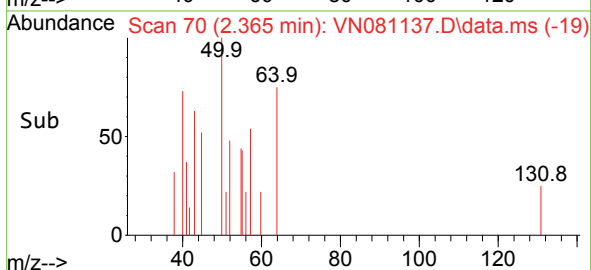
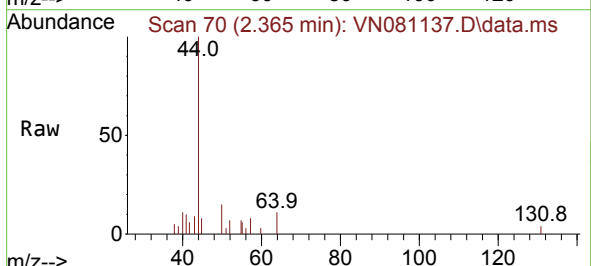


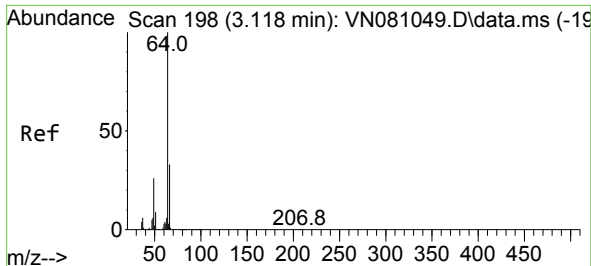
Tgt Ion:168 Resp: 339829
Ion Ratio Lower Upper
168 100
99 63.3 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Tgt Ion: 50 Resp: 806
Ion Ratio Lower Upper
50 100
52 48.3 25.0 37.4#

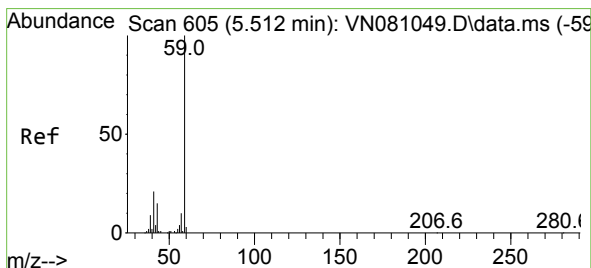
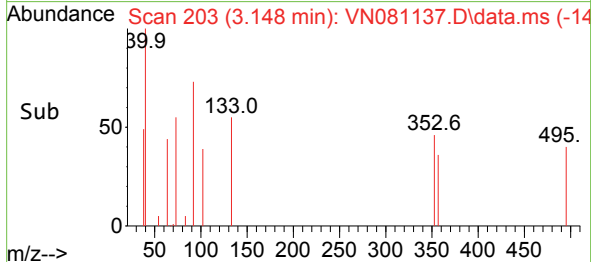
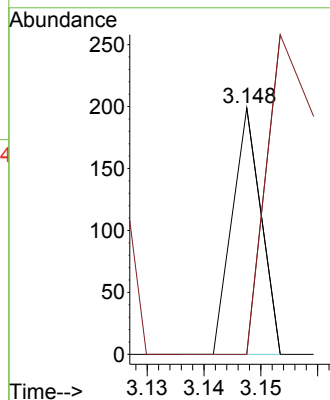
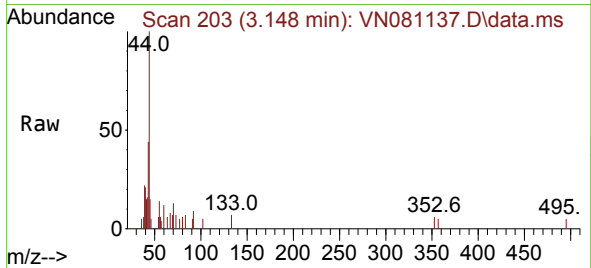




#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 20
Delta R.T. 0.030 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

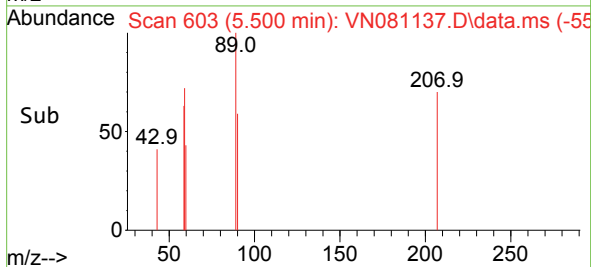
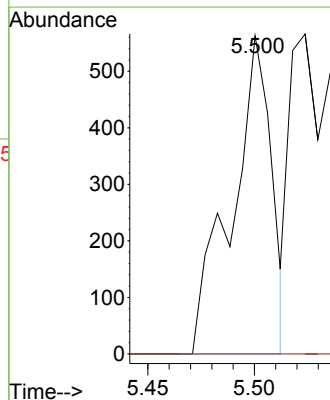
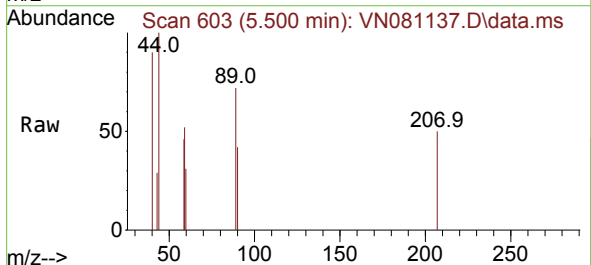
Instrument :
MSVOA_N
ClientSampleId :

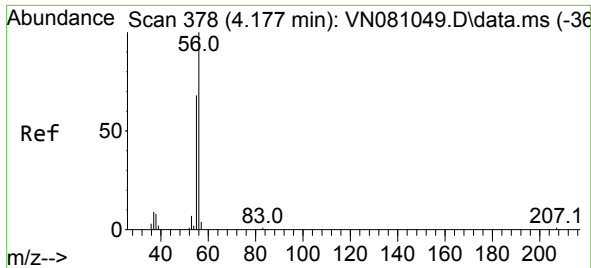
Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.958 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.012 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Tgt Ion: 59 Resp: 734
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

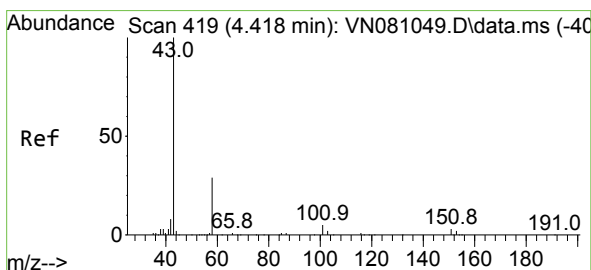
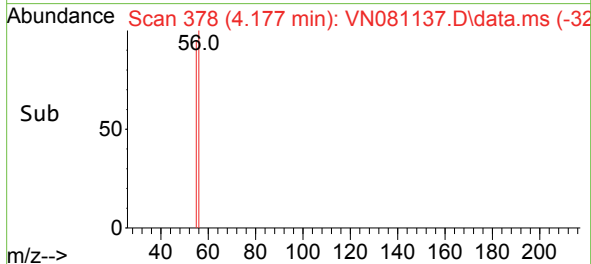
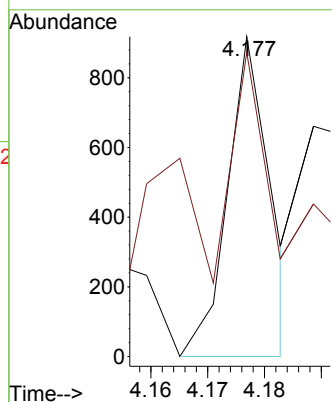
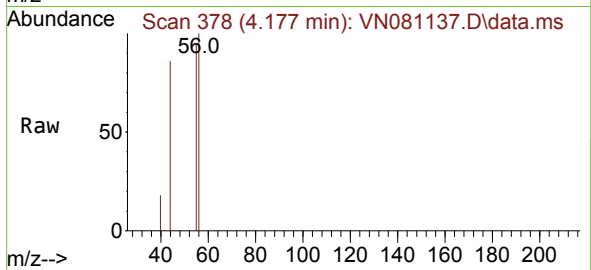




#13
Acrolein
Concen: 1.191 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

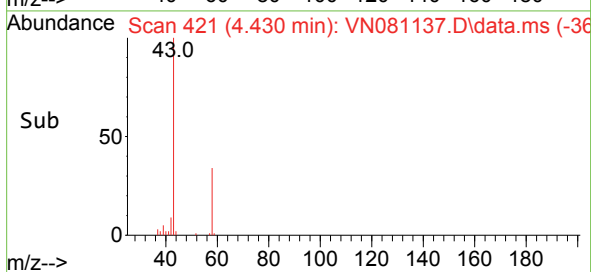
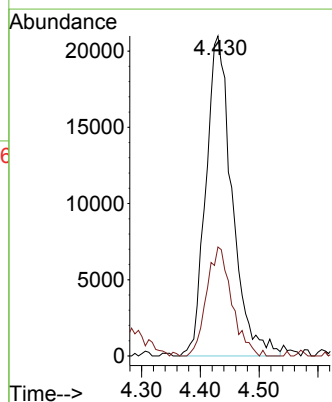
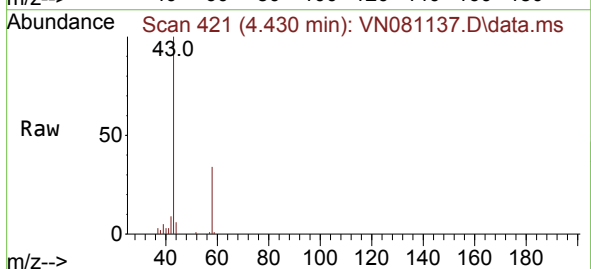
Instrument :
MSVOA_N
ClientSampleId :

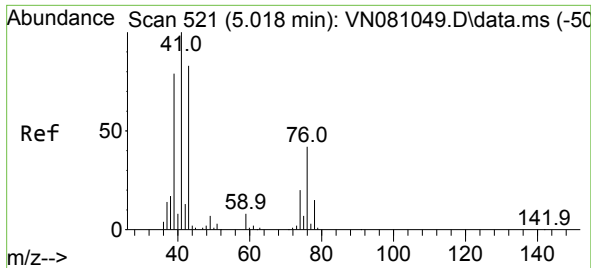
Tgt Ion: 56 Resp: 489
Ion Ratio Lower Upper
56 100
55 91.0 55.3 82.9#



#16
Acetone
Concen: 39.716 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

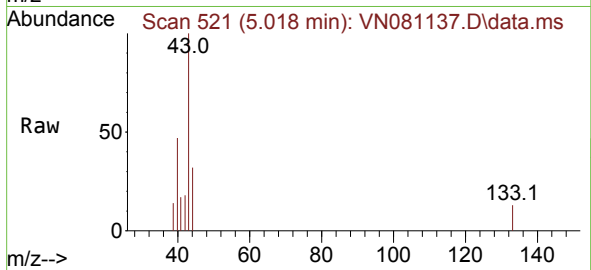
Tgt Ion: 43 Resp: 65093
Ion Ratio Lower Upper
43 100
58 34.0 24.8 37.2



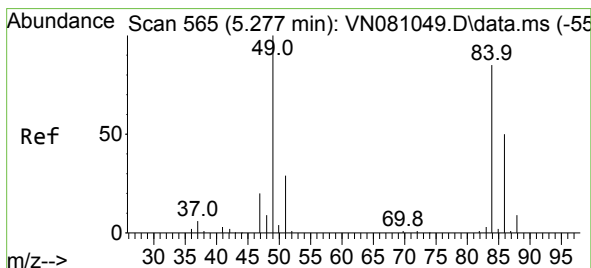
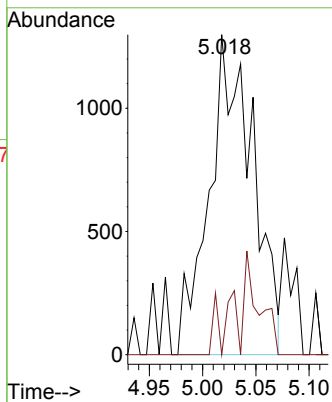
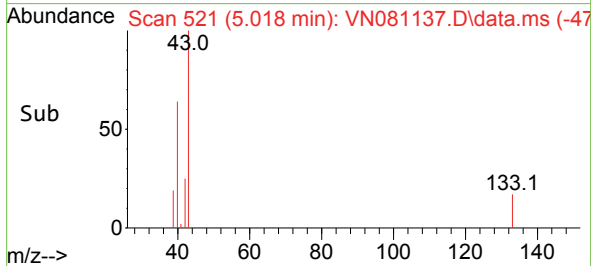


#18
Methyl Acetate
Concen: 0.926 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Instrument :
MSVOA_N
ClientSampleId :

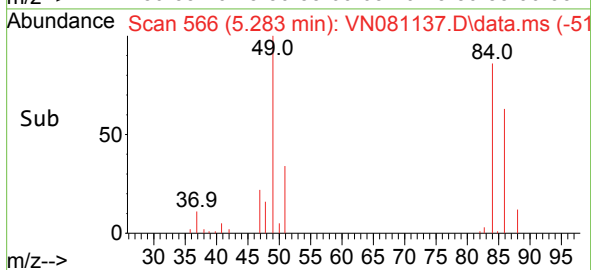
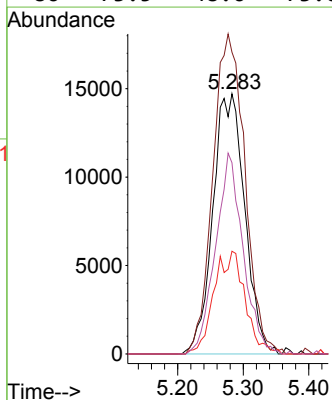
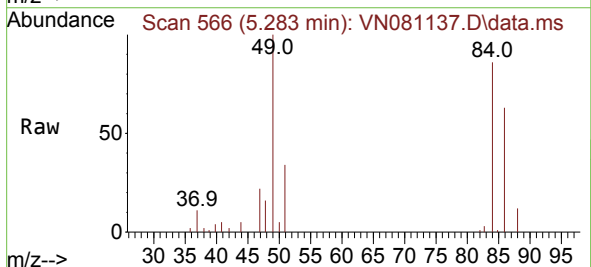


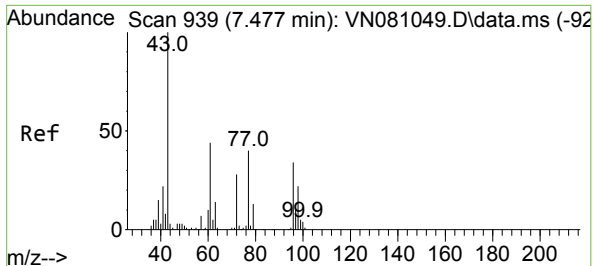
Tgt Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
74 6.9 17.3 25.9#



#20
Methylene Chloride
Concen: 10.982 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

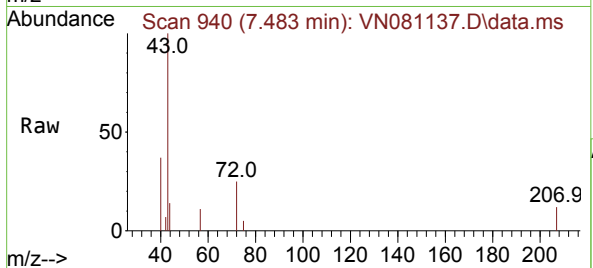
Tgt Ion: 84 Resp: 49639
Ion Ratio Lower Upper
84 100
49 116.0 108.1 162.1
51 39.5 32.9 49.3
86 73.5 48.6 73.0#



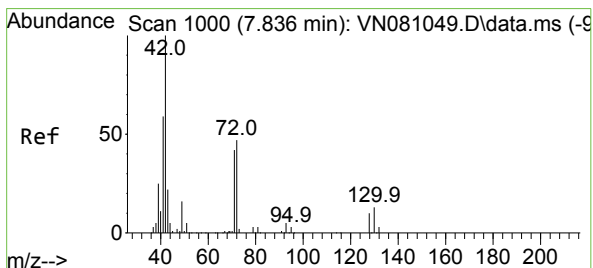
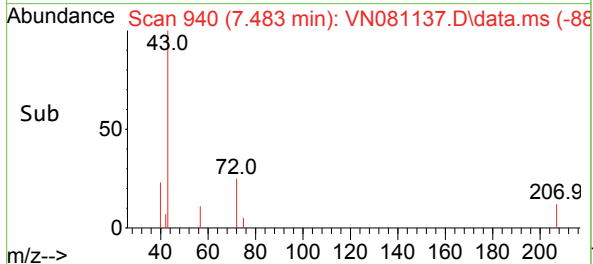
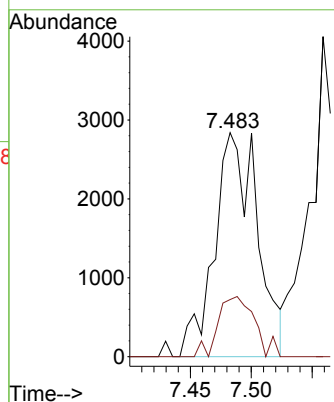


#25
2-Butanone
Concen: 2.629 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Instrument :
MSVOA_N
ClientSampleId :

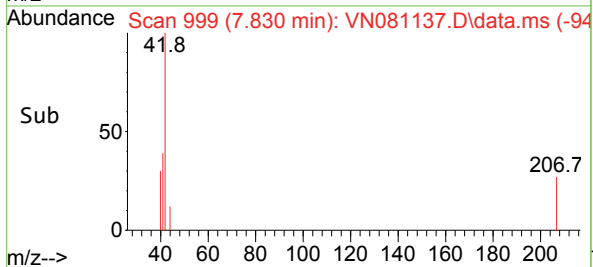
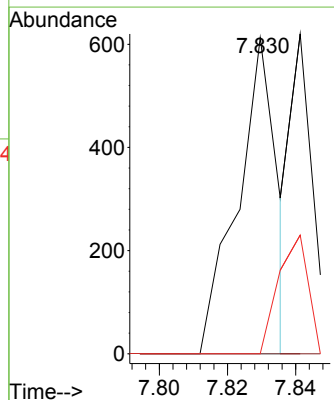
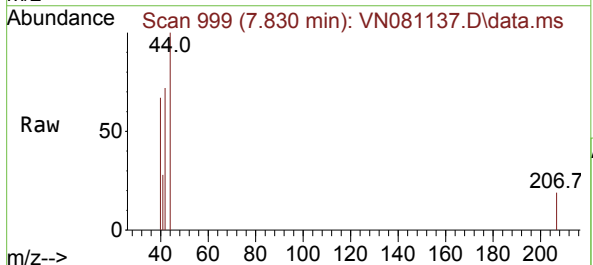


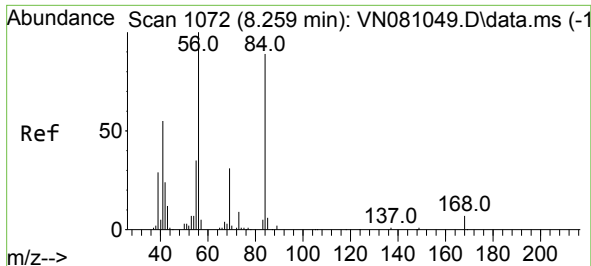
Tgt Ion: 43 Resp: 6961
Ion Ratio Lower Upper
43 100
72 25.5 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

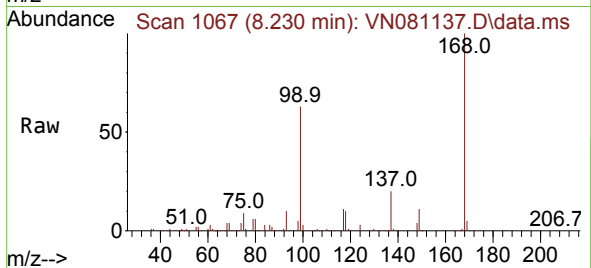
Tgt Ion: 42 Resp: 497
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 27.8 28.3 42.5#



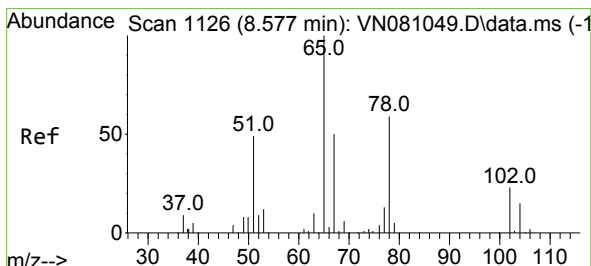
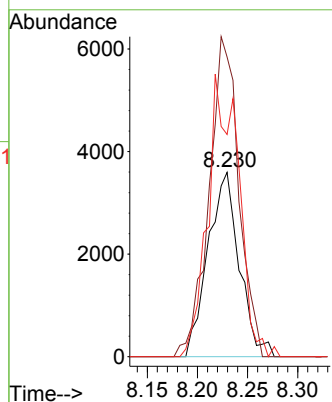
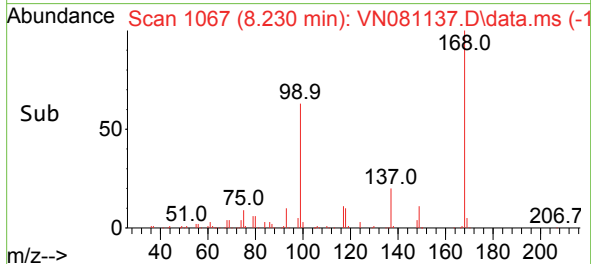


#31
Cyclohexane
Concen: 1.085 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

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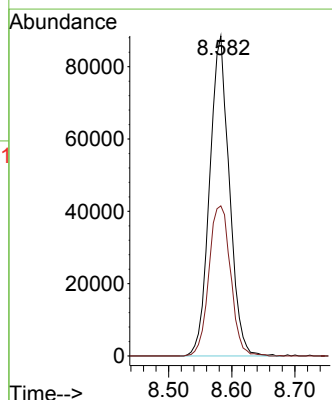
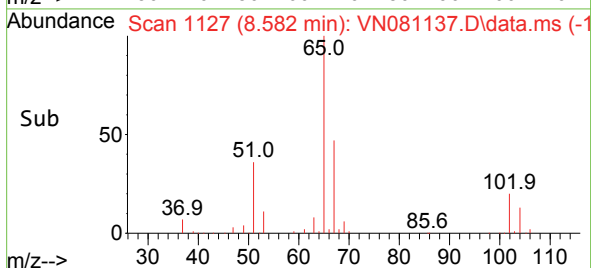
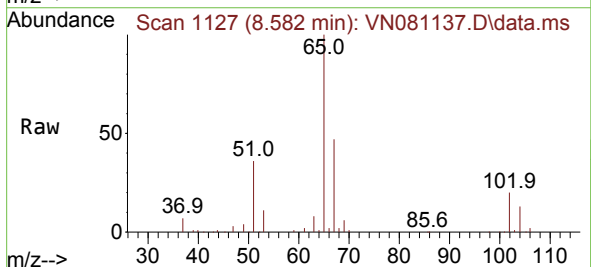


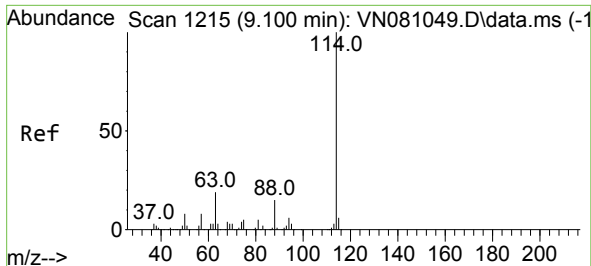
Tgt Ion: 56 Resp: 7800
Ion Ratio Lower Upper
56 100
69 162.5 20.1 30.1#
84 120.6 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 46.037 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Tgt Ion: 65 Resp: 191760
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# 114

Delta R.T. 0.006 min

Lab File: VN081137.D

Acq: 22 Feb 2024 15:59

Instrument :

MSVOA_N

ClientSampleId :

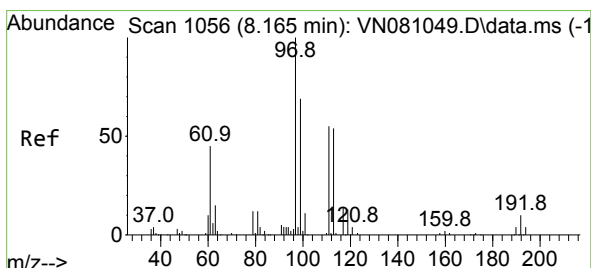
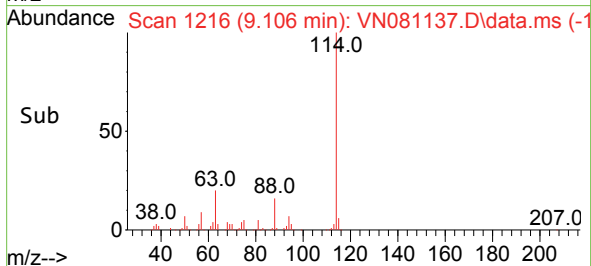
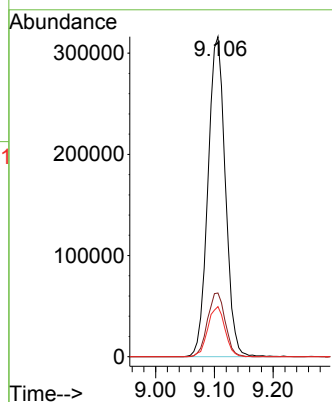
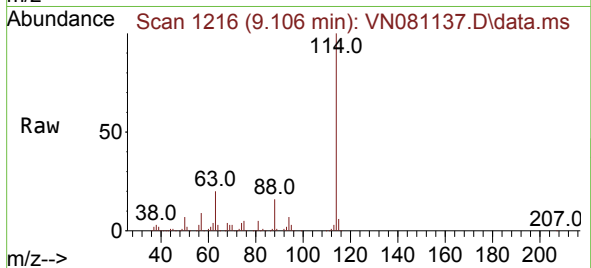
Tgt Ion:114 Resp: 648529

Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 44.396 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081137.D

Acq: 22 Feb 2024 15:59

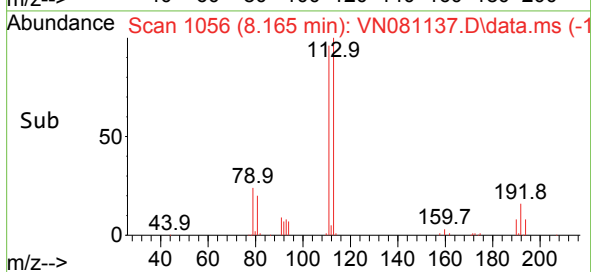
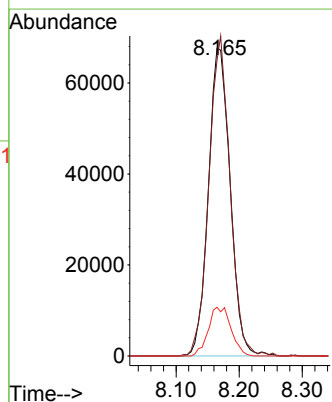
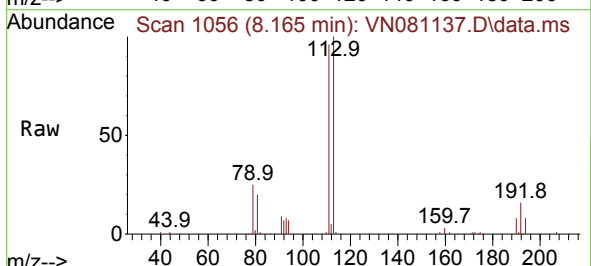
Tgt Ion:113 Resp: 162811

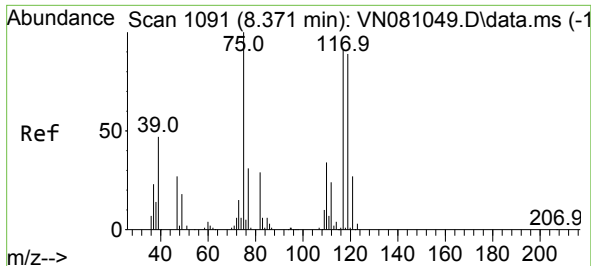
Ion Ratio Lower Upper

113 100

111 100.4 82.2 123.4

192 16.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.792 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

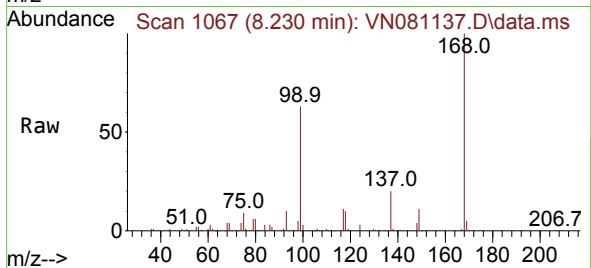
Lab File: VN081137.D

Acq: 22 Feb 2024 15:59

Instrument :

MSVOA_N

ClientSampleId :



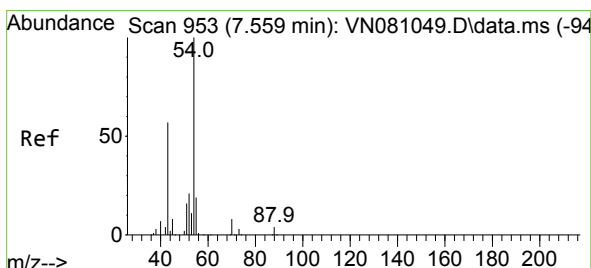
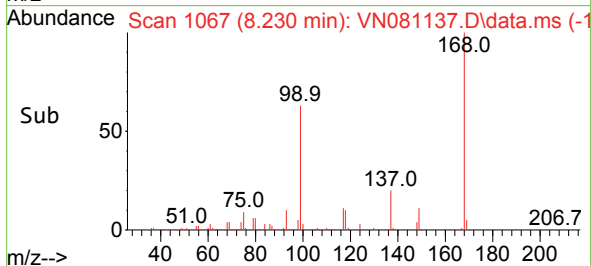
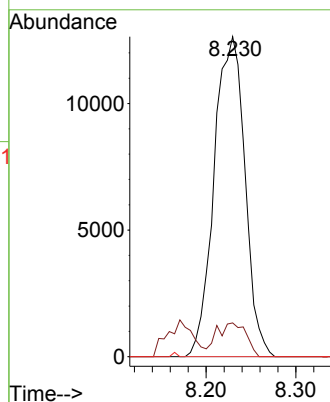
Tgt Ion: 75 Resp: 30107

Ion Ratio Lower Upper

75 100

110 10.0 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.383 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN081137.D

Acq: 22 Feb 2024 15:59

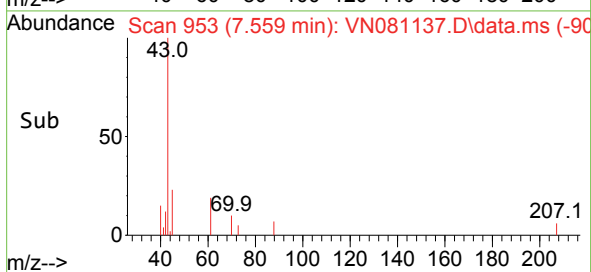
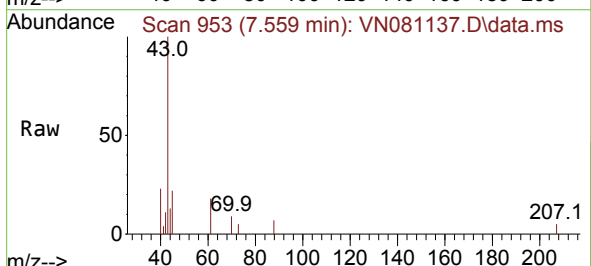
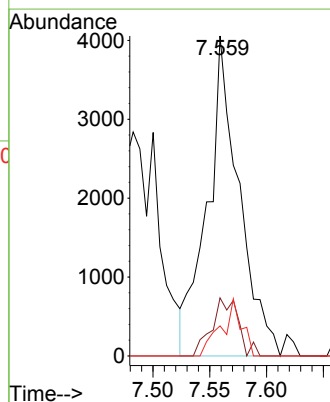
Tgt Ion: 43 Resp: 7840

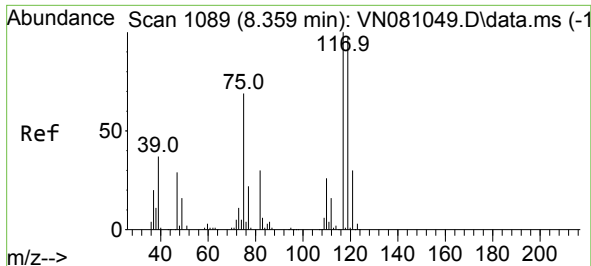
Ion Ratio Lower Upper

43 100

61 15.3 10.6 15.8

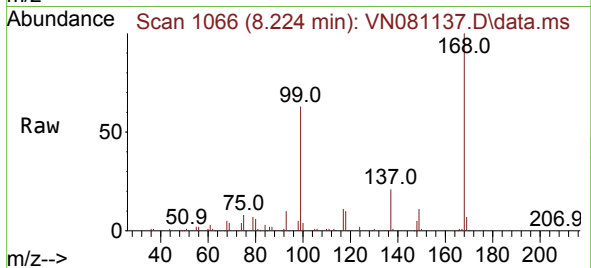
70 11.5 8.0 12.0



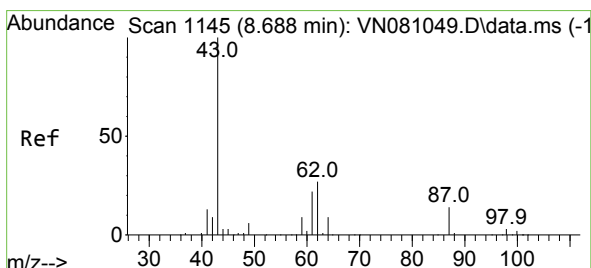
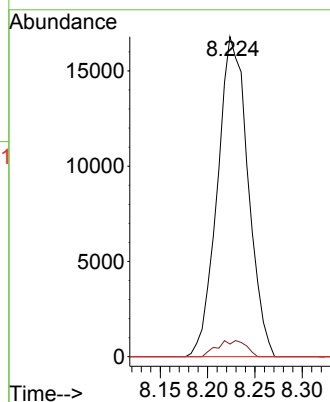
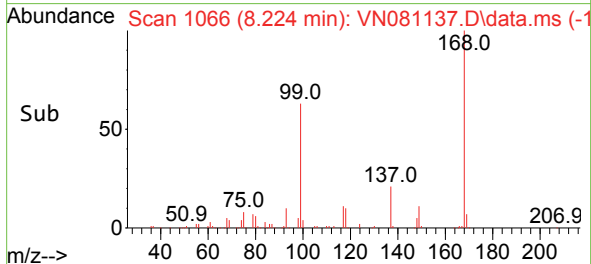


#38
Carbon Tetrachloride
Concen: 5.941 ug/l
RT: 8.224 min Scan# 1089
Delta R.T. -0.135 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Instrument :
MSVOA_N
ClientSampleId :

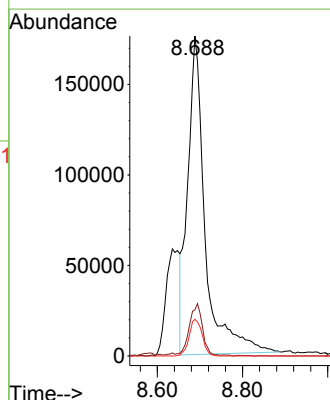
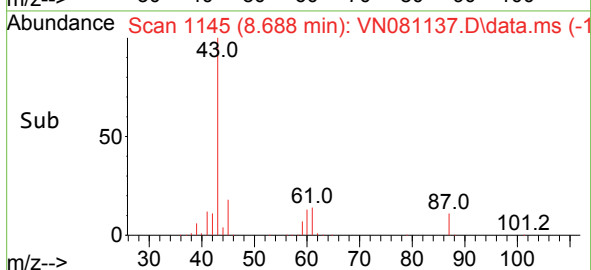
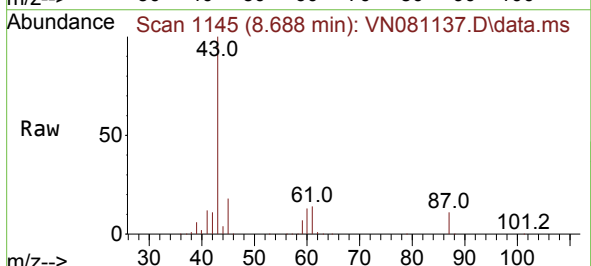


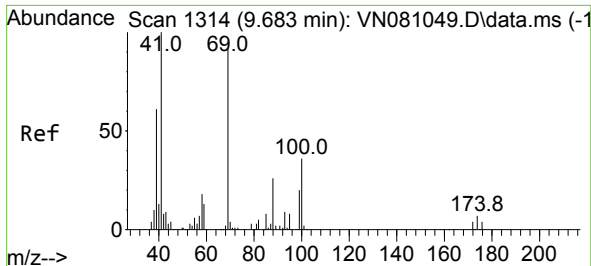
Tgt Ion:117 Resp: 37764
Ion Ratio Lower Upper
117 100
119 3.9 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 50.466 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Tgt Ion: 43 Resp: 500467
Ion Ratio Lower Upper
43 100
61 12.1 19.9 29.9#
87 8.6 9.0 13.6#

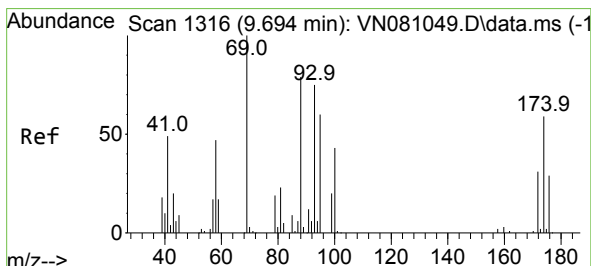
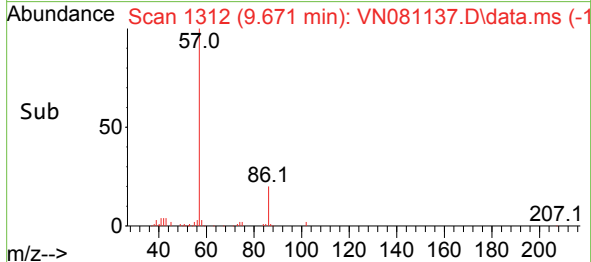
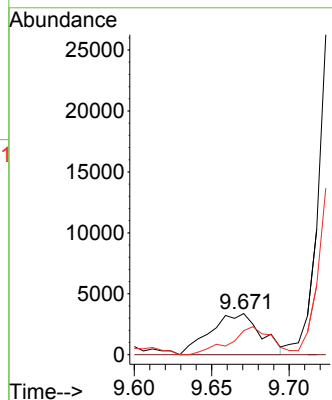
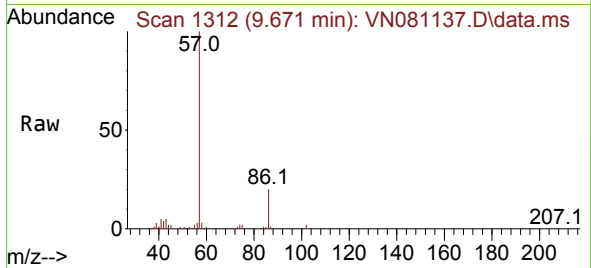




#48
Methyl methacrylate
Concen: 1.653 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

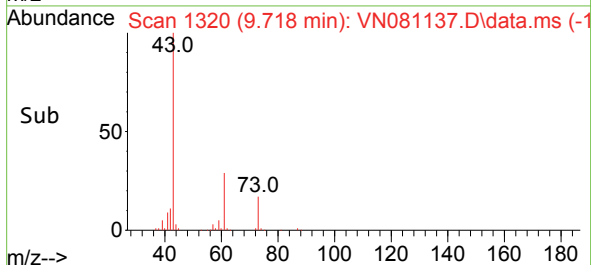
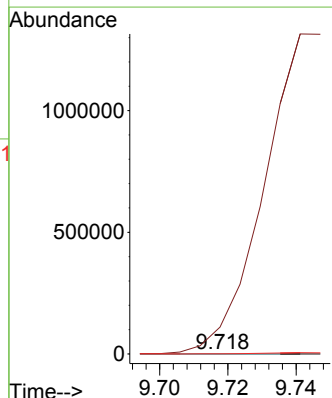
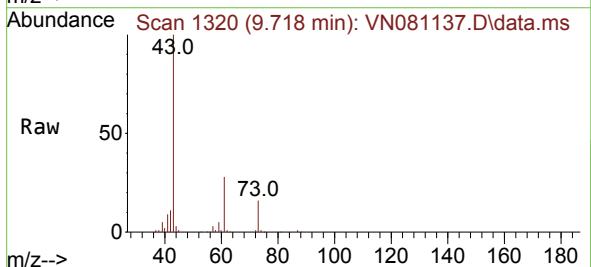
Instrument :
MSVOA_N
ClientSampleId :

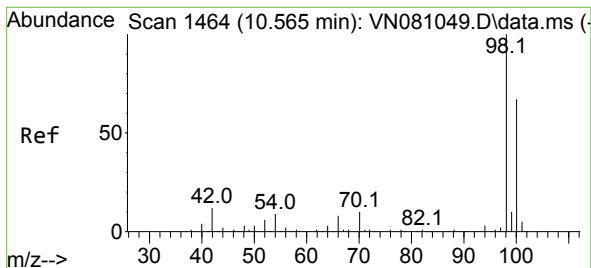
Tgt Ion: 41 Resp: 7628
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 56.6 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.718 min Scan# 1320
Delta R.T. 0.024 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#





#50

Toluene-d8

Concen: 41.307 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081137.D

Acq: 22 Feb 2024 15:59

Instrument :

MSVOA_N

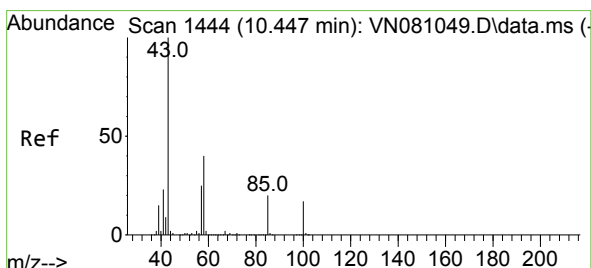
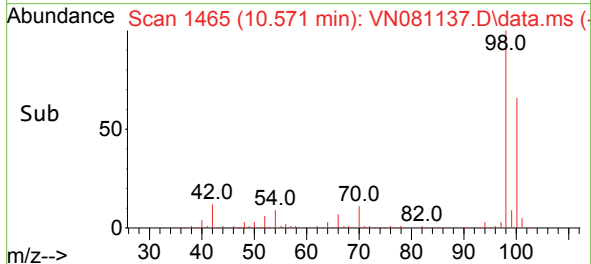
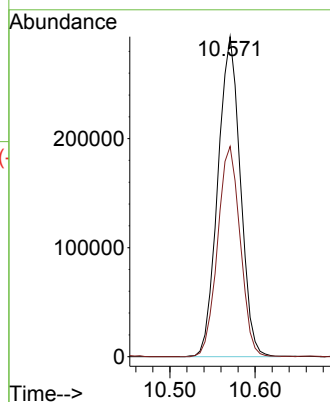
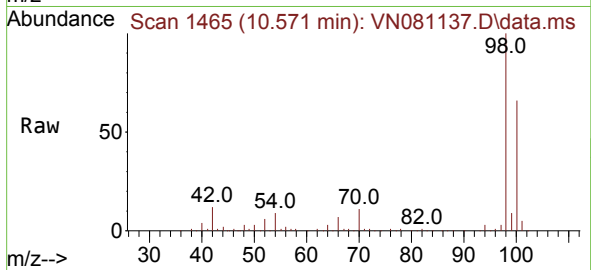
ClientSampleId :

Tgt Ion: 98 Resp: 538026

Ion Ratio Lower Upper

98 100

100 65.9 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 2.485 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN081137.D

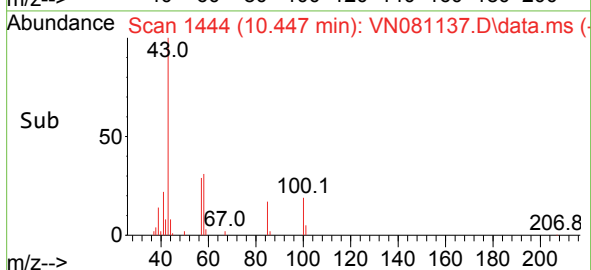
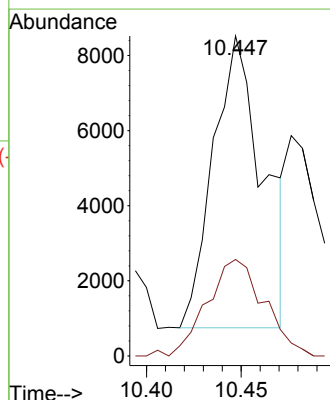
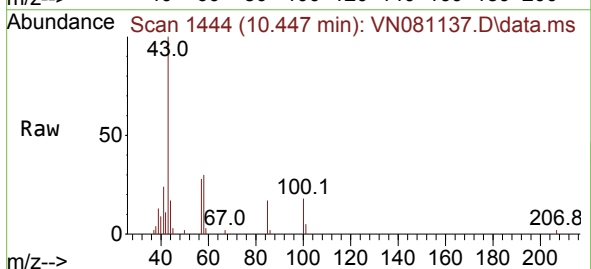
Acq: 22 Feb 2024 15:59

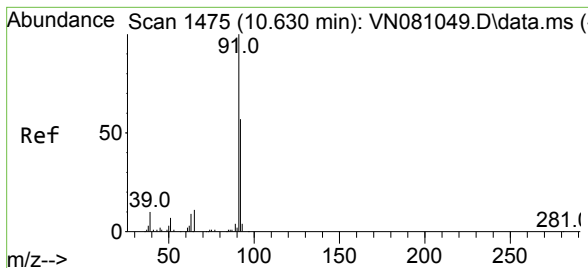
Tgt Ion: 43 Resp: 14178

Ion Ratio Lower Upper

43 100

58 38.1 29.4 44.0





#52

Toluene

Concen: 0.203 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN081137.D

Acq: 22 Feb 2024 15:59

Instrument :

MSVOA_N

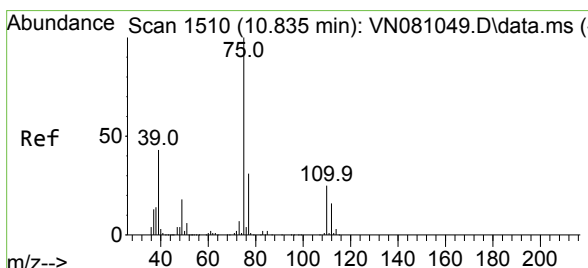
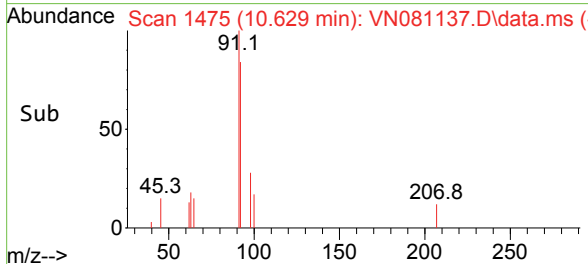
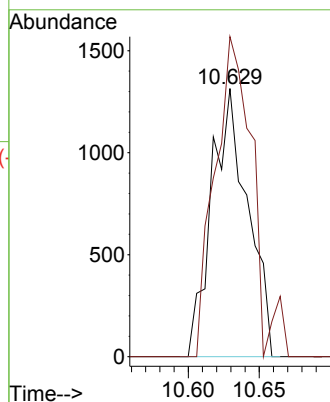
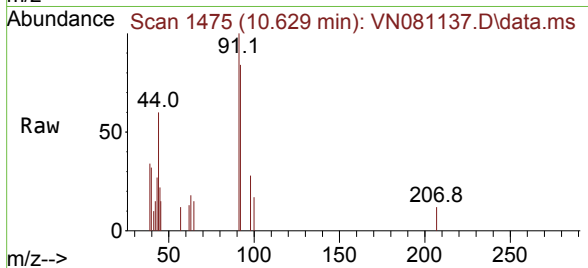
ClientSampleId :

Tgt Ion: 92 Resp: 2332

Ion Ratio Lower Upper

92 100

91 119.5 139.4 209.0#



#53

t-1,3-Dichloropropene

Concen: 0.271 ug/l

RT: 10.724 min Scan# 1491

Delta R.T. -0.112 min

Lab File: VN081137.D

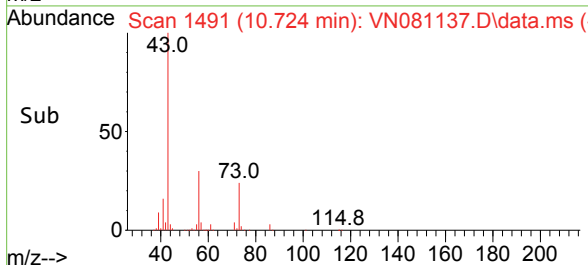
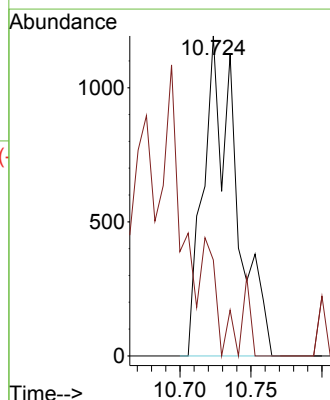
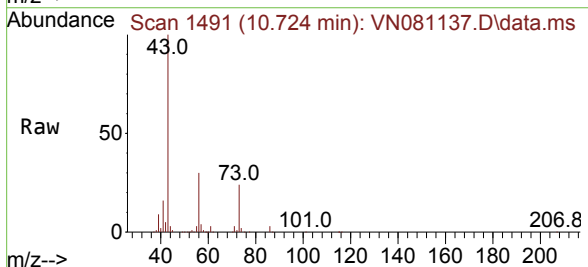
Acq: 22 Feb 2024 15:59

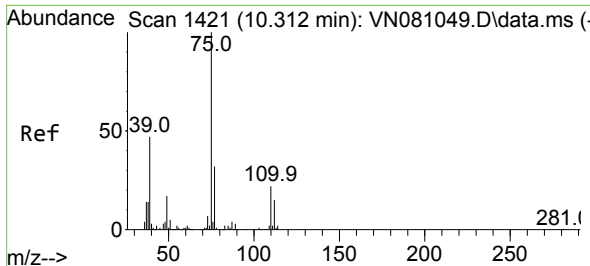
Tgt Ion: 75 Resp: 1889

Ion Ratio Lower Upper

75 100

77 30.0 25.5 38.3

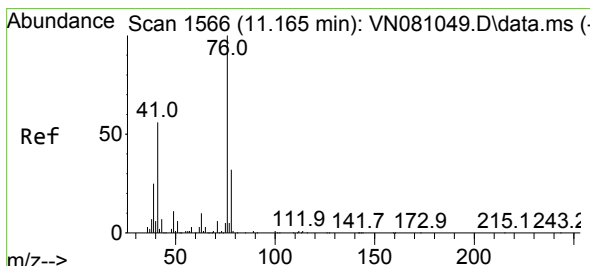
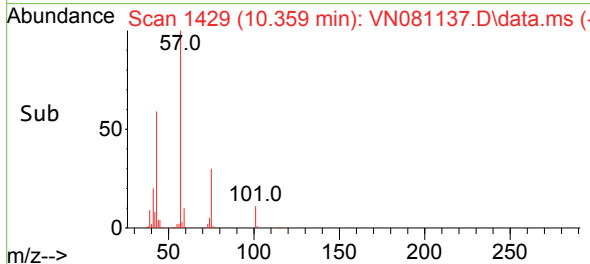
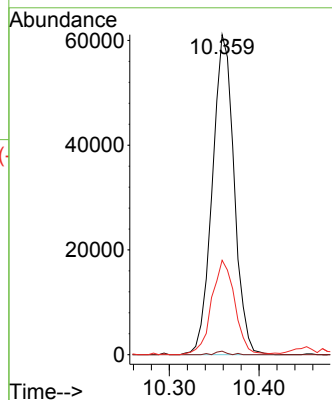
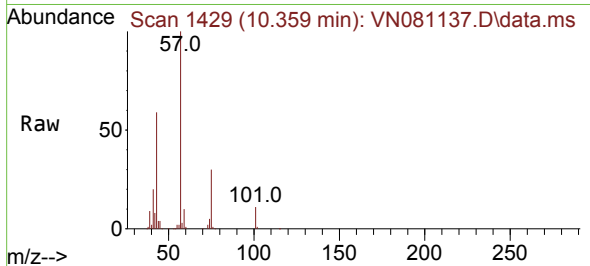




#54
 cis-1,3-Dichloropropene
 Concen: 13.651 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081137.D
 Acq: 22 Feb 2024 15:59

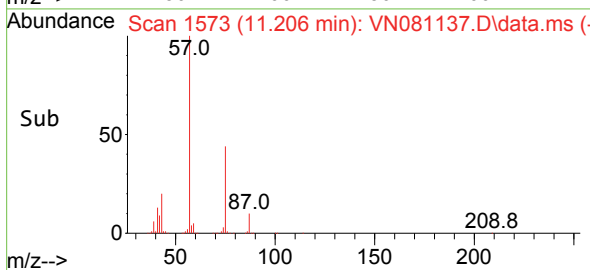
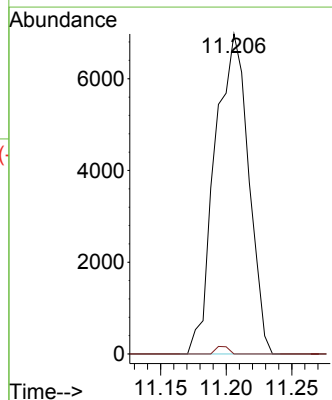
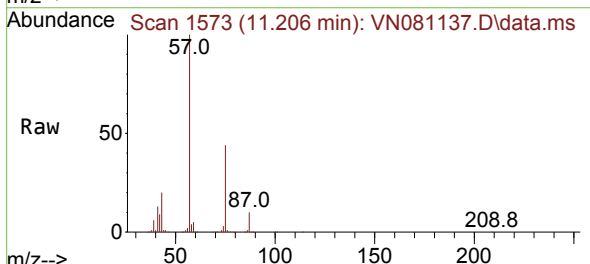
Instrument :
 MSVOA_N
 ClientSampleId :

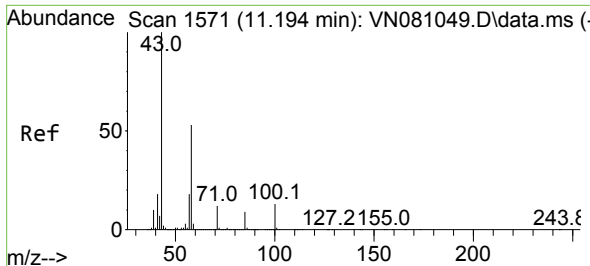
Tgt Ion: 75 Resp: 102886
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.3 34.9#
 39 29.5 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.626 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN081137.D
 Acq: 22 Feb 2024 15:59

Tgt Ion: 76 Resp: 12447
 Ion Ratio Lower Upper
 76 100
 78 0.9 25.5 38.3#

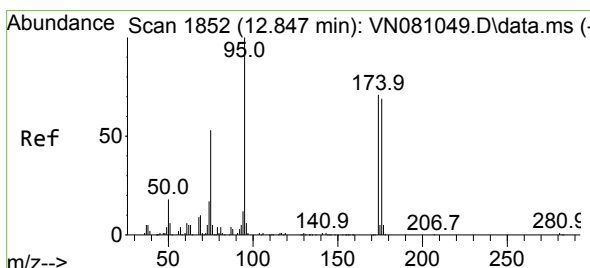
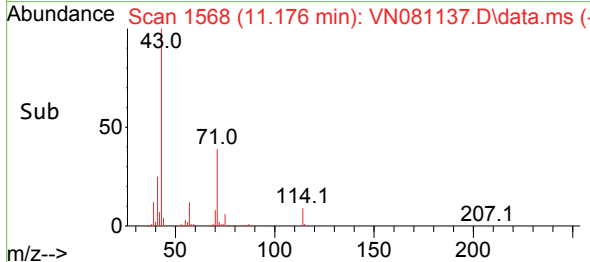
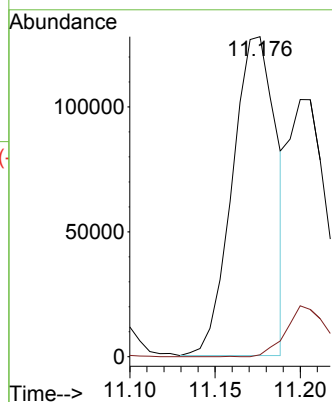
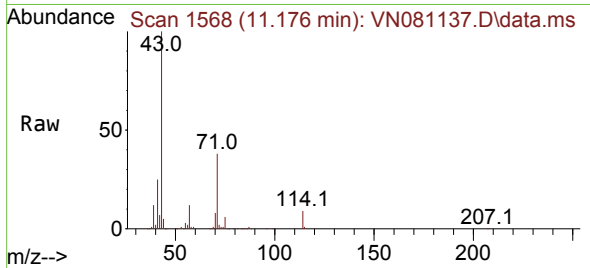




#59
2-Hexanone
Concen: 50.552 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

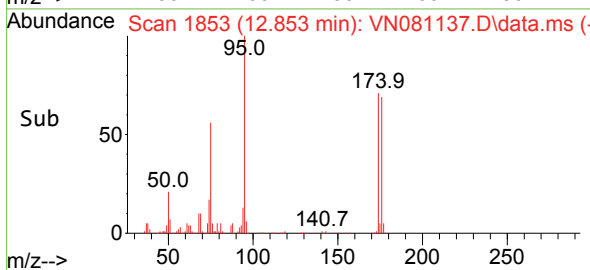
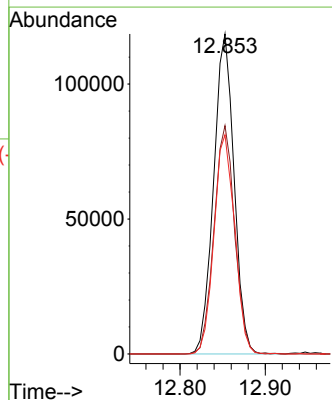
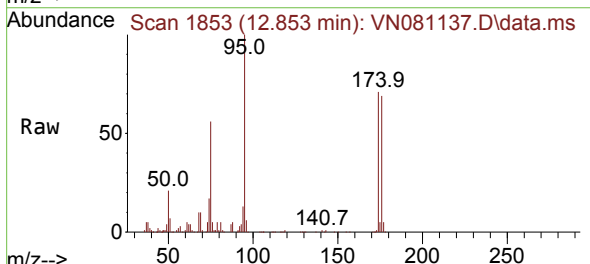
Instrument :
MSVOA_N
ClientSampleId :

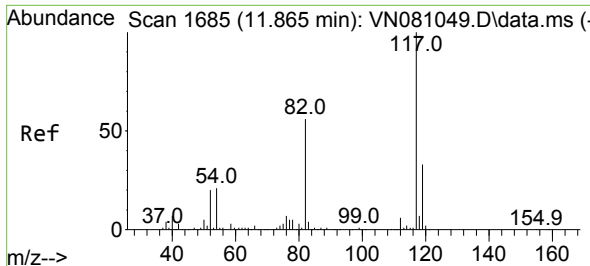
Tgt Ion: 43 Resp: 228631
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 40.289 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Tgt Ion: 95 Resp: 197181
Ion Ratio Lower Upper
95 100
174 72.4 0.0 120.4
176 69.3 0.0 121.0

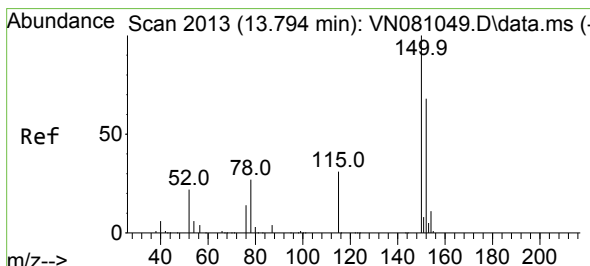
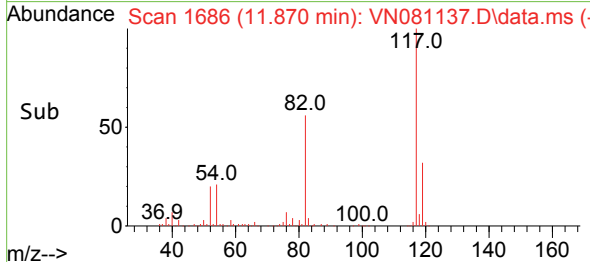
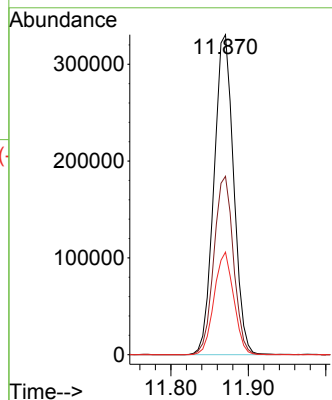
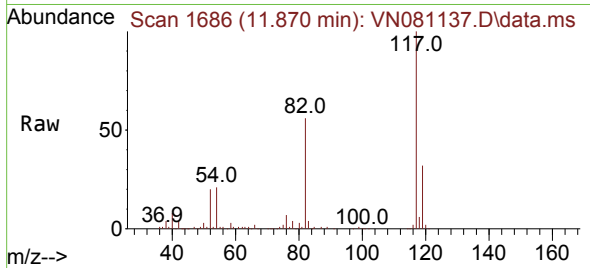




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

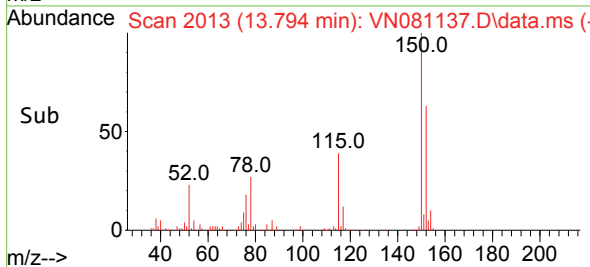
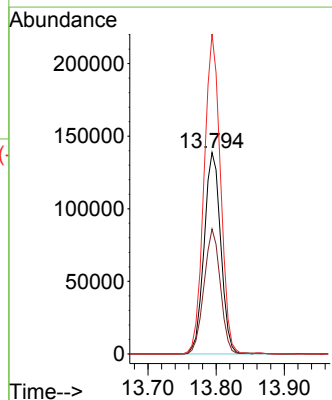
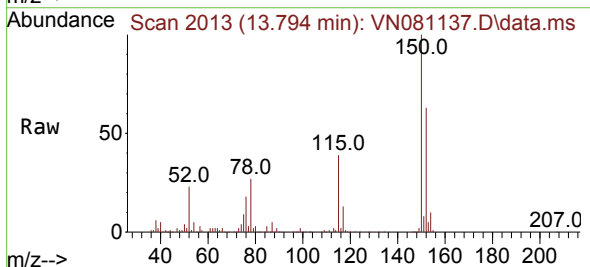
Instrument :
MSVOA_N
ClientSampleId :

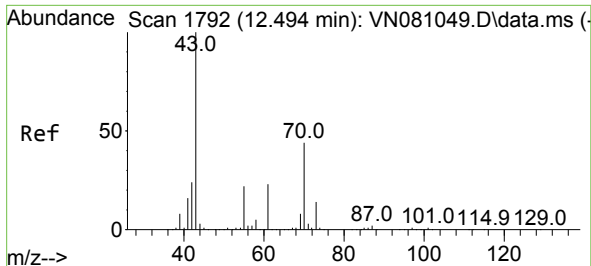
Tgt Ion:117 Resp: 583320
Ion Ratio Lower Upper
117 100
82 55.7 52.7 79.1
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

Tgt Ion:152 Resp: 234873
Ion Ratio Lower Upper
152 100
115 60.8 32.3 96.8
150 156.6 0.0 339.8

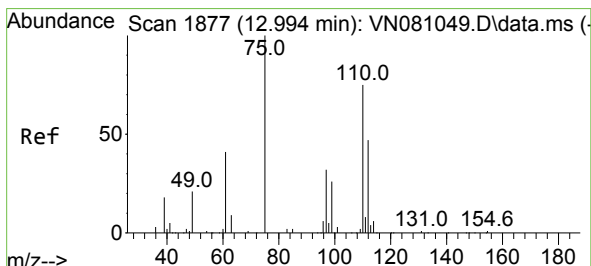
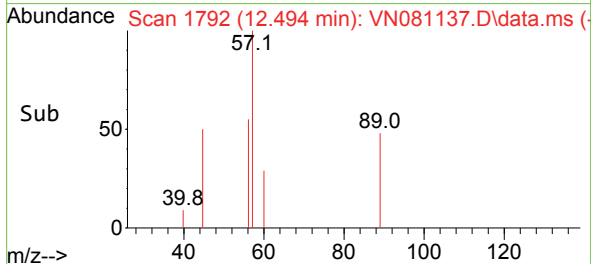
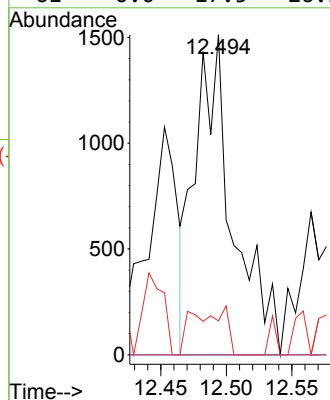
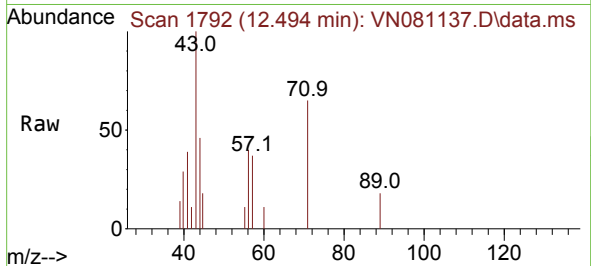




#74
N-amy1 acetate
Concen: 0.348 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

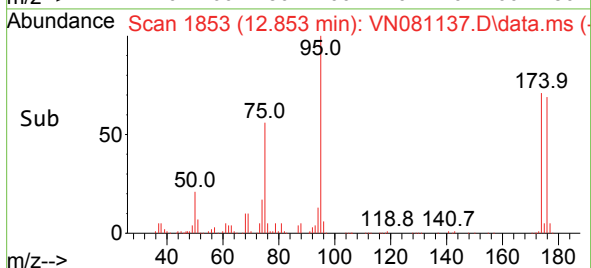
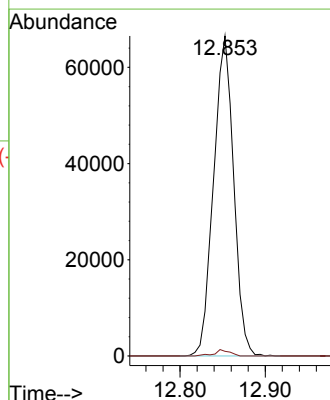
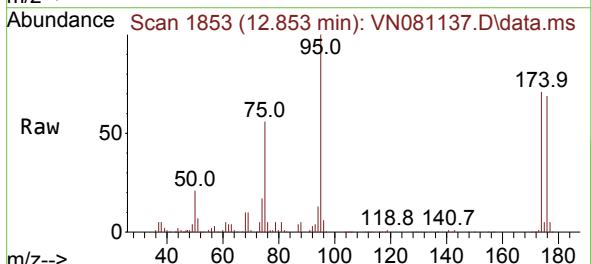
Instrument :
MSVOA_N
ClientSampleId :

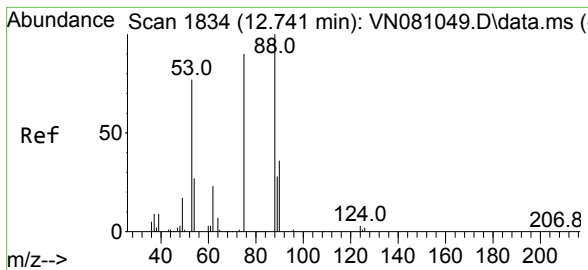
Tgt Ion: 43	Resp: 3023
Ion Ratio	Lower Upper
43	100
70	0.0 30.1 45.1#
55	0.0 17.0 25.4#
61	0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 20.372 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081137.D
Acq: 22 Feb 2024 15:59

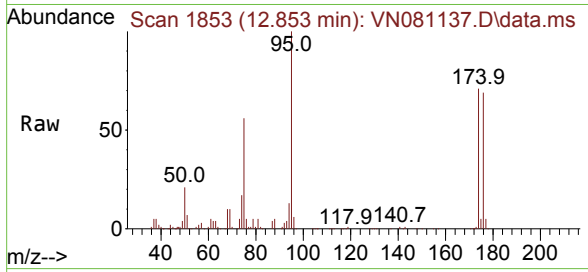
Tgt Ion: 75	Resp: 108716
Ion Ratio	Lower Upper
75	100
77	1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.437 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081137.D
 Acq: 22 Feb 2024 15:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 108716
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

