

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081718.D
 Acq On : 12 Apr 2024 15:20
 Operator : JC\MD
 Sample : PB160181ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:57:16 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)

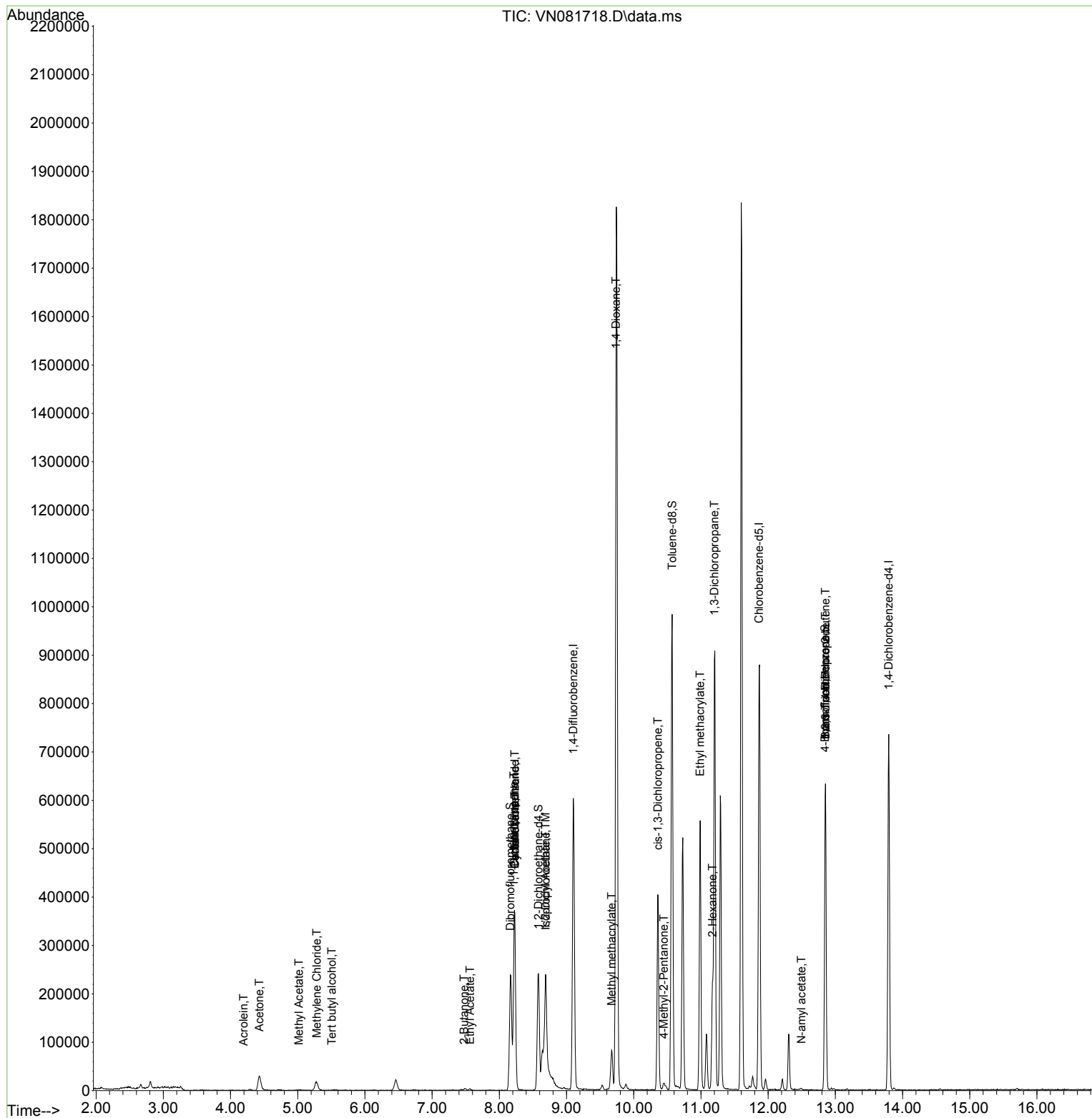
Internal Standards						
1) Pentafluorobenzene	8.230	168	261965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	511896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	521755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	194618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	201867	60.426	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.860%	
35) Dibromofluoromethane	8.165	113	167271	51.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.560%	
50) Toluene-d8	10.571	98	654969	56.085	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.160%	
62) 4-Bromofluorobenzene	12.847	95	215445	52.357	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 104.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	343	0.589	ug/l #	72
13) Acrolein	4.195	56	257	0.492	ug/l	90
16) Acetone	4.430	43	56206	52.059	ug/l	94
18) Methyl Acetate	5.018	43	2527	0.759	ug/l #	74
20) Methylene Chloride	5.283	84	14177	4.009	ug/l #	74
25) 2-Butanone	7.477	43	5378	2.904	ug/l	97
31) Cyclohexane	8.230	56	6223	1.145	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	23524	4.327	ug/l #	51
37) Ethyl Acetate	7.565	43	4611	0.990	ug/l #	80
38) Carbon Tetrachloride	8.230	117	27678	4.647	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	1416	0.253	ug/l #	75
43) Isopropyl Acetate	8.688	43	368624	47.769	ug/l #	78
48) Methyl methacrylate	9.671	41	5878	1.651	ug/l #	46
49) 1,4-Dioxane	9.735	88	194	2.268	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14968	3.179	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	69834	10.546	ug/l #	61
56) Ethyl methacrylate	10.988	69	3382	1.184	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	9935	1.491	ug/l #	43
59) 2-Hexanone	11.171	43	156671	45.002	ug/l #	26
71) Bromoform	12.853	173	2305	0.671	ug/l #	1
74) N-amyl acetate	12.494	43	1986	0.331	ug/l #	55
76) 1,2,3-Trichloropropane	12.853	75	111369	23.923	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111369	64.647	ug/l #	14

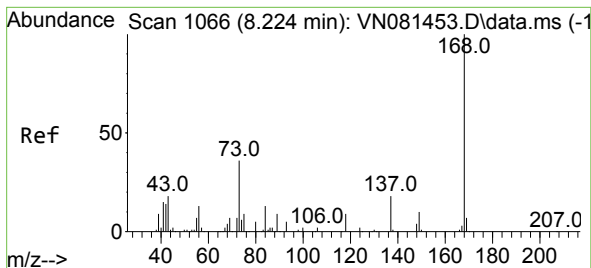
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
Data File : VN081718.D
Acq On : 12 Apr 2024 15:20
Operator : JC\MD
Sample : PB160181ZHE#03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 13 06:57:16 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

Instrument :

MSVOA_N

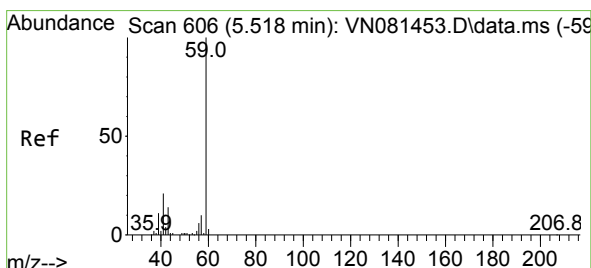
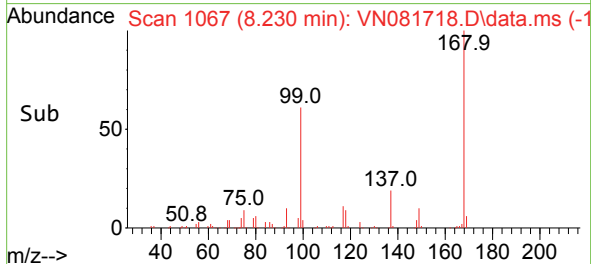
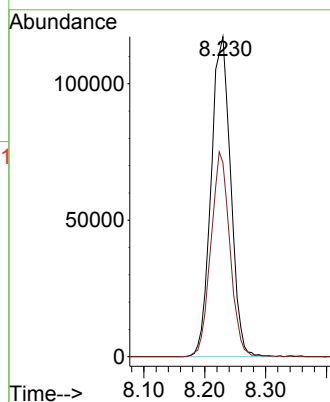
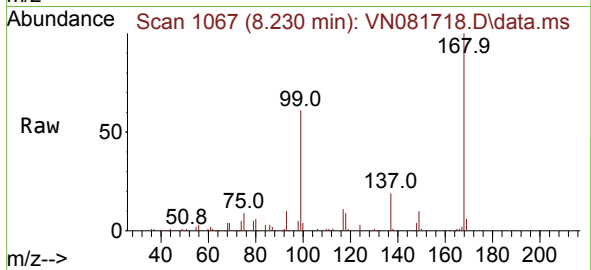
ClientSampleId :

Tgt Ion:168 Resp: 261965

Ion Ratio Lower Upper

168 100

99 60.7 59.9 89.9



#11

Tert butyl alcohol

Concen: 0.589 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.012 min

Lab File: VN081718.D

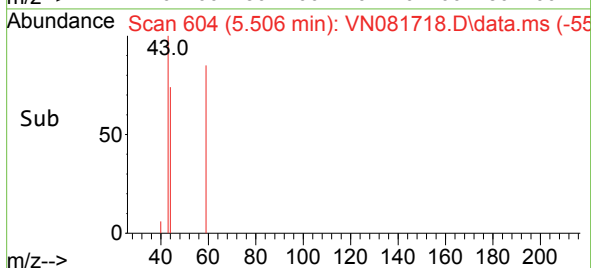
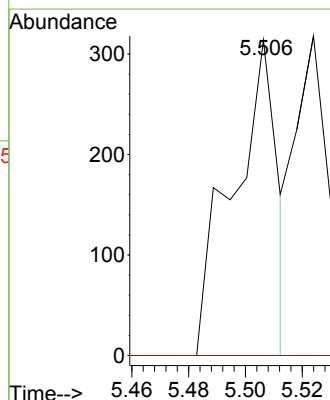
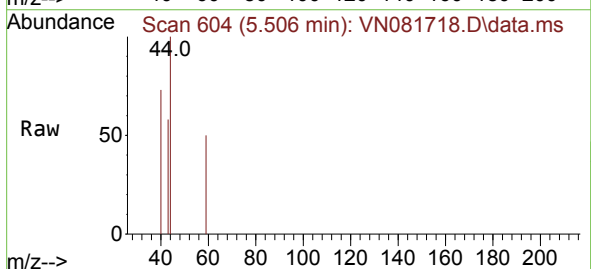
Acq: 12 Apr 2024 15:20

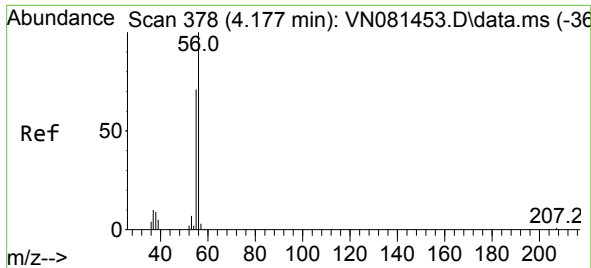
Tgt Ion: 59 Resp: 343

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

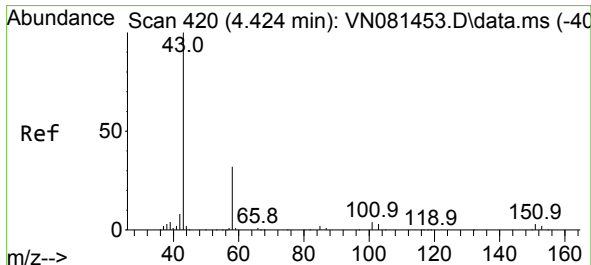
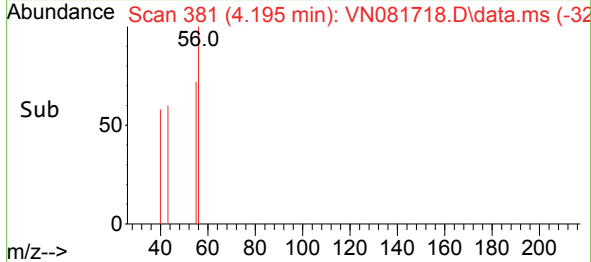
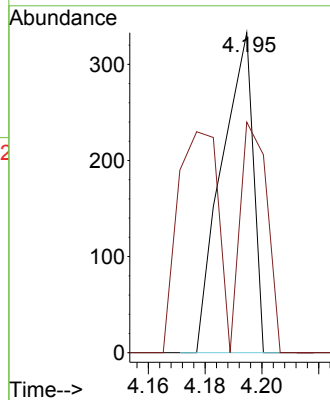
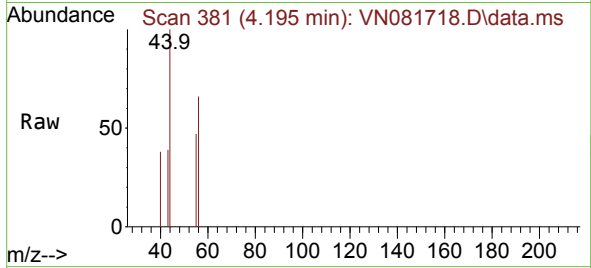




#13
Acrolein
Concen: 0.492 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

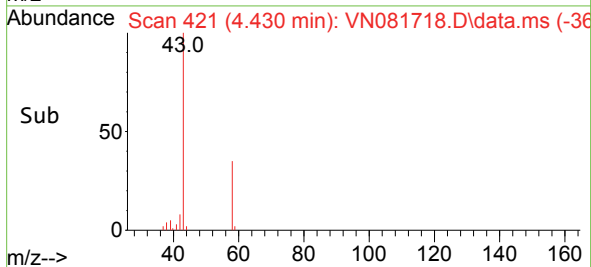
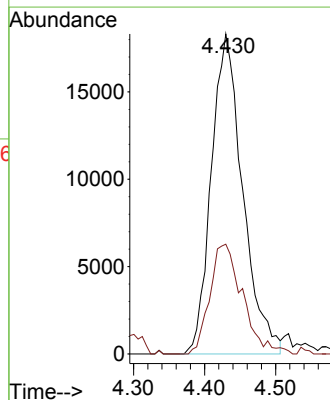
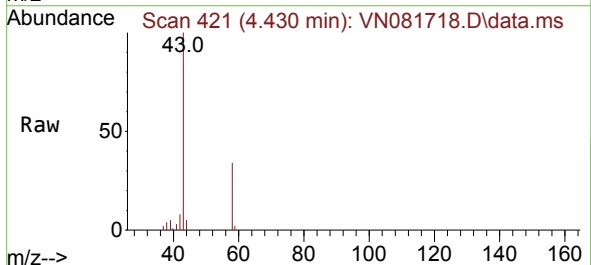
Instrument :
MSVOA_N
ClientSampleId :

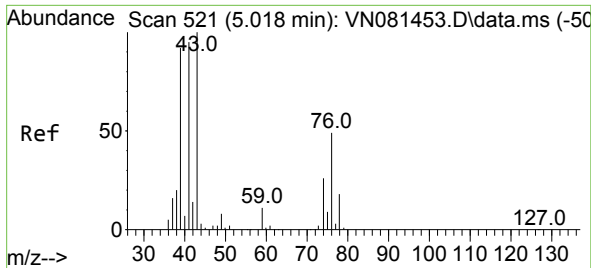
Tgt Ion: 56 Resp: 257
Ion Ratio Lower Upper
56 100
55 61.1 55.3 82.9



#16
Acetone
Concen: 52.059 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

Tgt Ion: 43 Resp: 56206
Ion Ratio Lower Upper
43 100
58 34.3 24.8 37.2

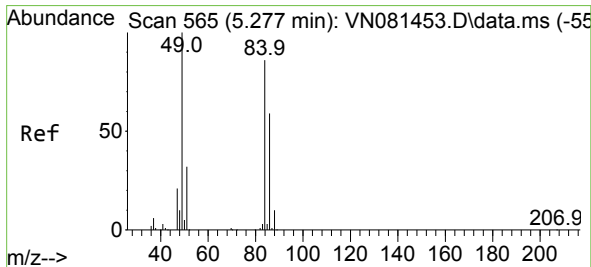
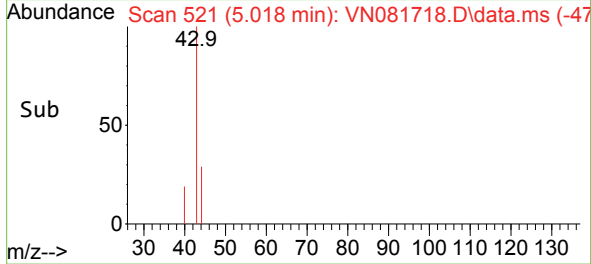
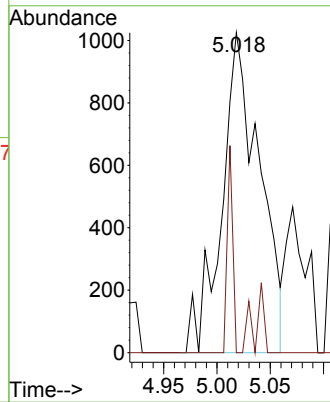
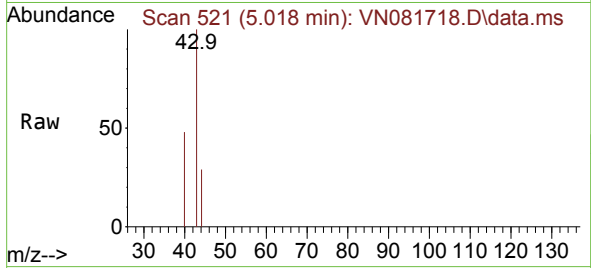




#18
Methyl Acetate
Concen: 0.759 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

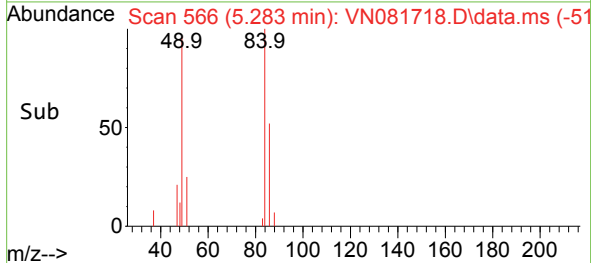
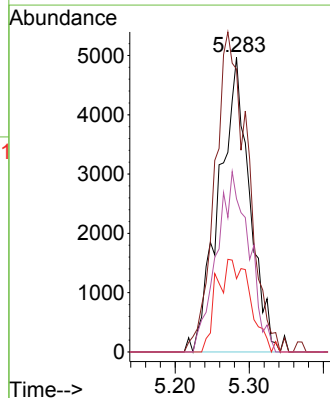
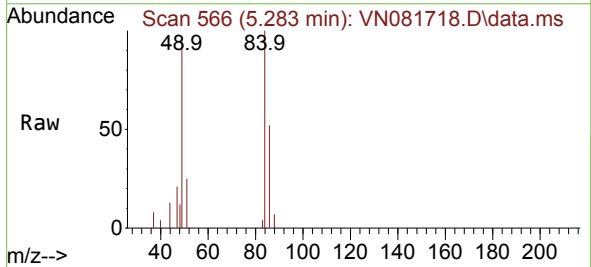
Instrument :
MSVOA_N
ClientSampleId :

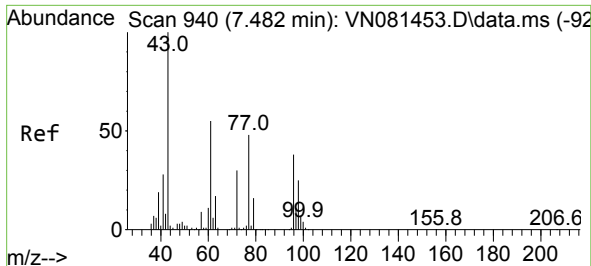
Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
74 9.3 17.3 25.9#



#20
Methylene Chloride
Concen: 4.009 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

Tgt Ion: 84 Resp: 14177
Ion Ratio Lower Upper
84 100
49 96.0 108.1 162.1#
51 24.9 32.9 49.3#
86 52.0 48.6 73.0

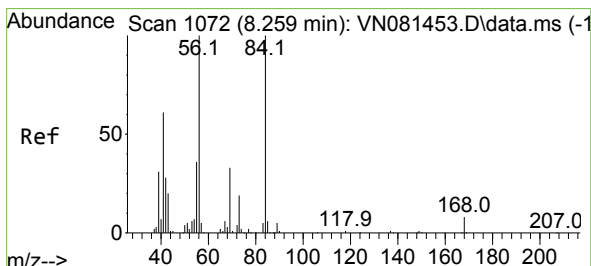
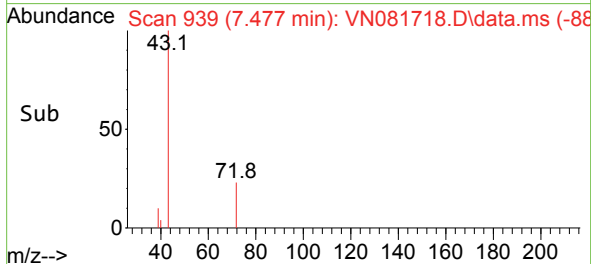
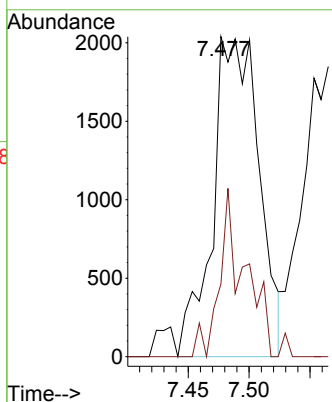
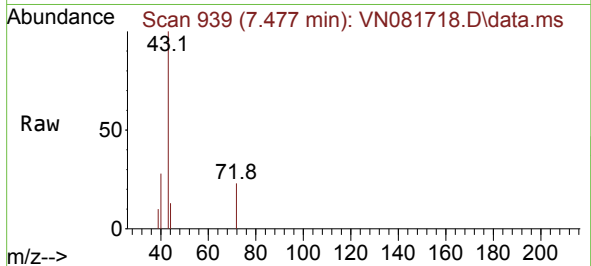




#25
2-Butanone
Concen: 2.904 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

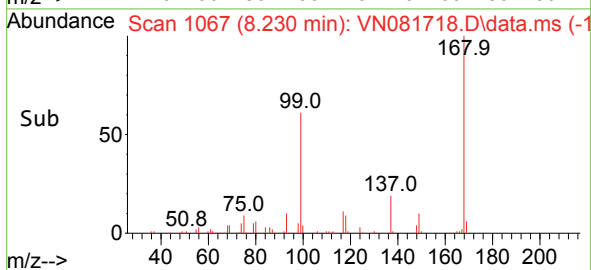
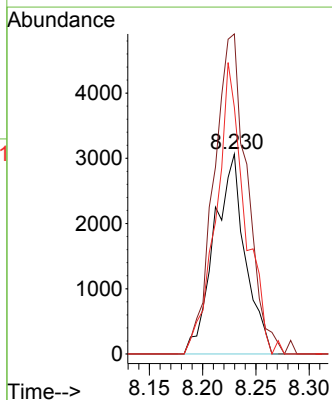
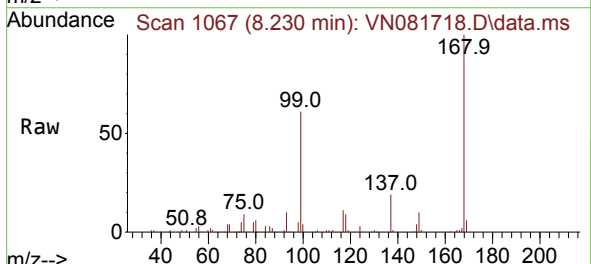
Instrument :
MSVOA_N
ClientSampleId :

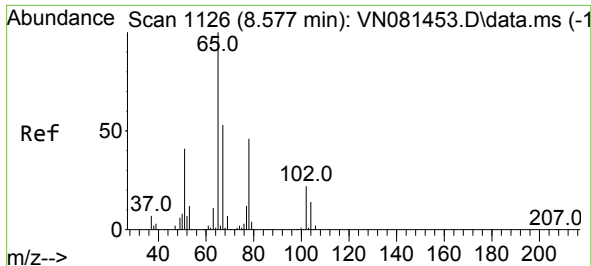
Tgt Ion: 43 Resp: 5378
Ion Ratio Lower Upper
43 100
72 22.7 19.5 29.3



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

Tgt Ion: 56 Resp: 6223
Ion Ratio Lower Upper
56 100
69 160.1 20.1 30.1#
84 123.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 60.426 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

Instrument :

MSVOA_N

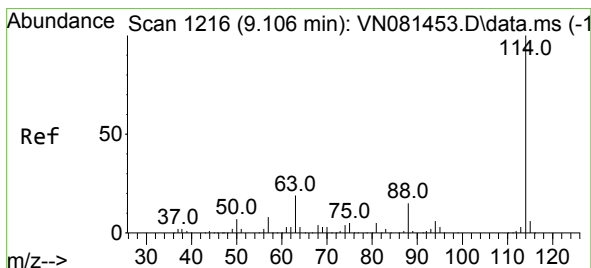
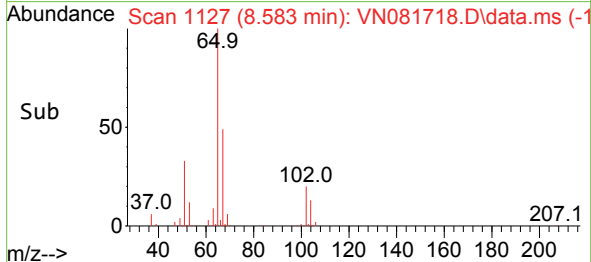
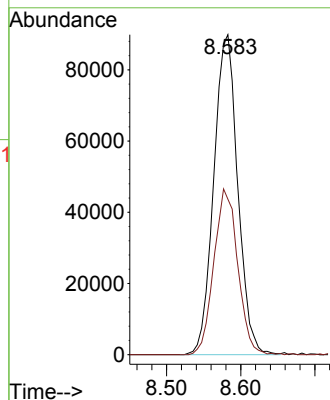
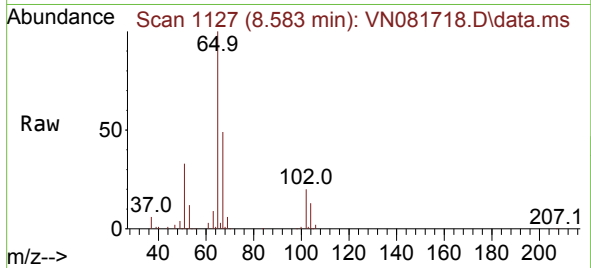
ClientSampleId :

Tgt Ion: 65 Resp: 201867

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

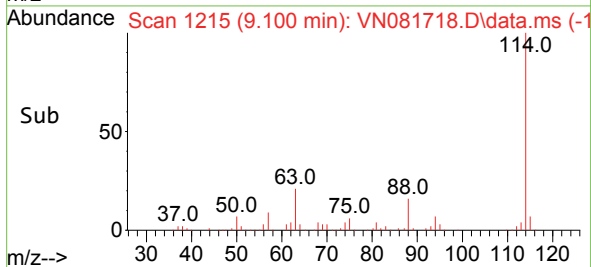
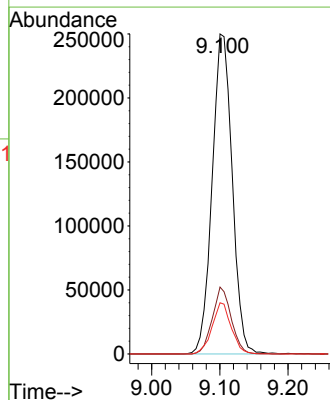
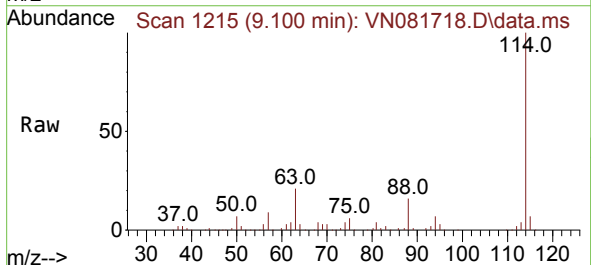
Tgt Ion: 114 Resp: 511896

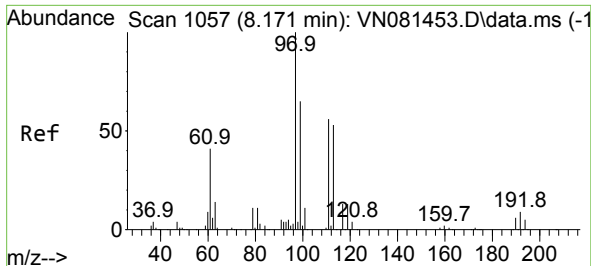
Ion Ratio Lower Upper

114 100

63 20.9 0.0 48.0

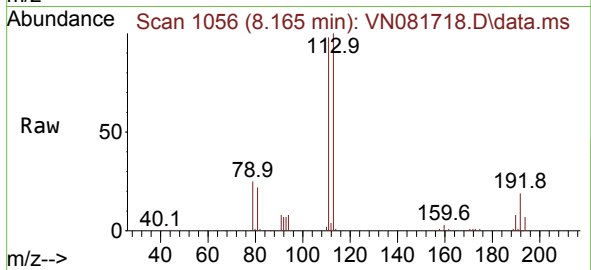
88 16.0 0.0 34.8



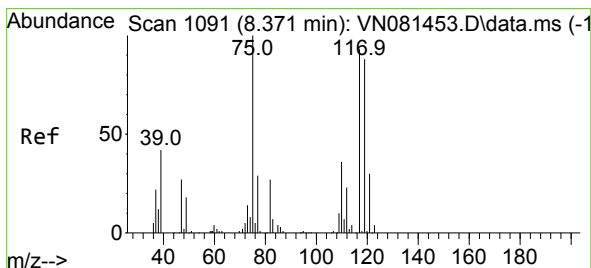
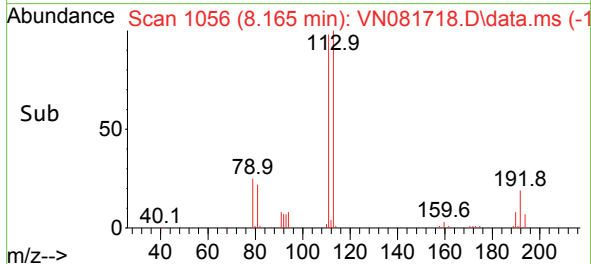
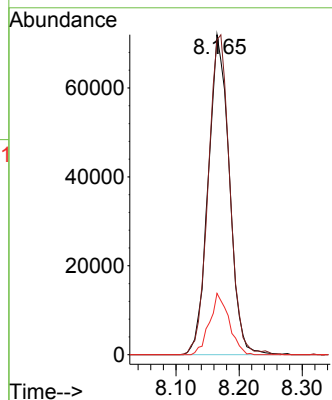


#35
Dibromofluoromethane
Concen: 51.777 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

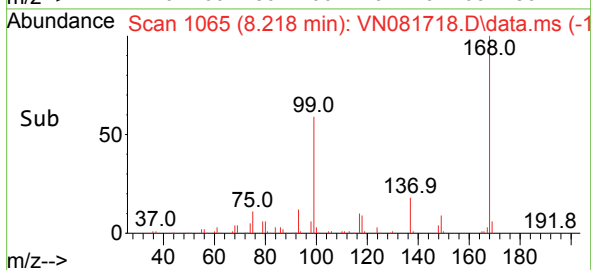
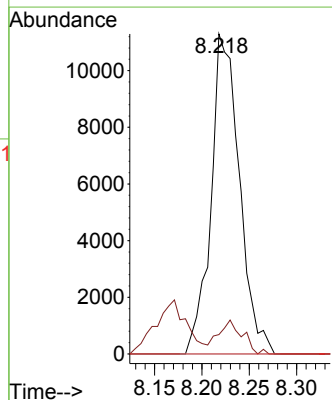
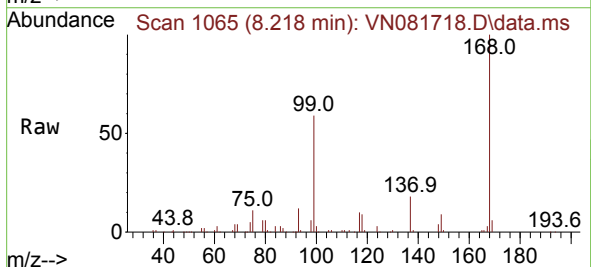


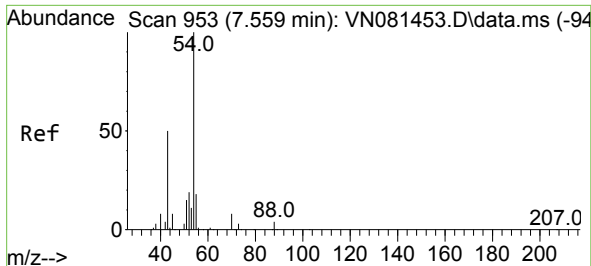
Tgt Ion:113 Resp: 167271
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 17.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.327 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

Tgt Ion: 75 Resp: 23524
Ion Ratio Lower Upper
75 100
110 9.0 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 0.990 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

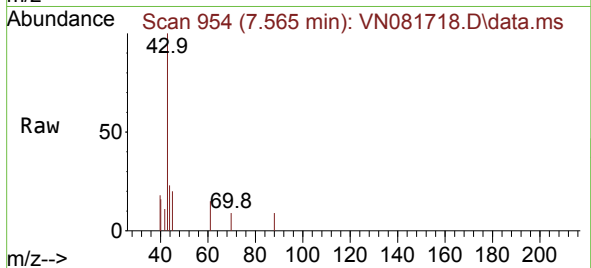
Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

Instrument :

MSVOA_N

ClientSampleId :



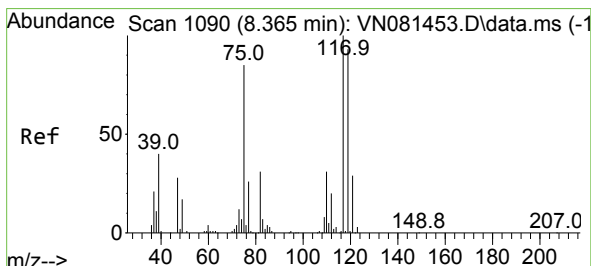
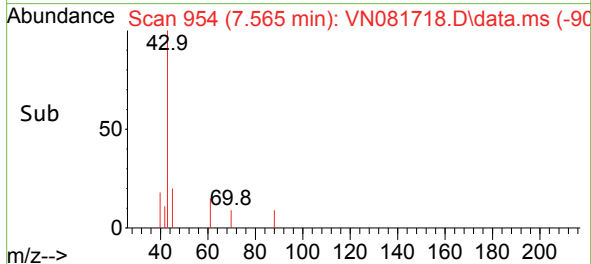
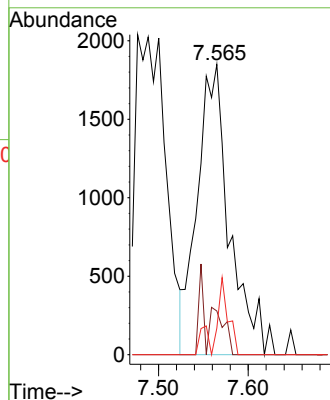
Tgt Ion: 43 Resp: 4611

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 11.0 8.0 12.0



#38

Carbon Tetrachloride

Concen: 4.647 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

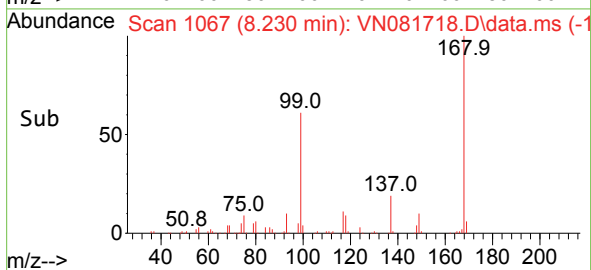
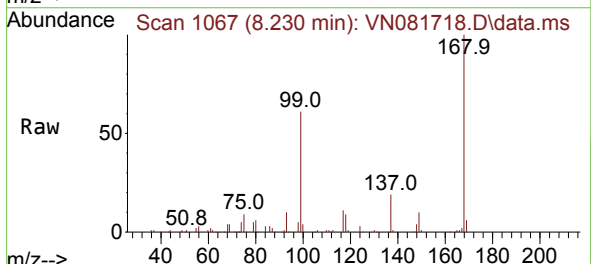
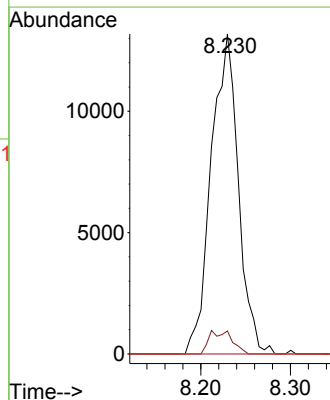
Tgt Ion: 117 Resp: 27678

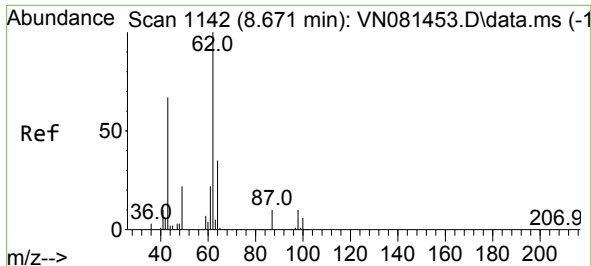
Ion Ratio Lower Upper

117 100

119 7.2 73.4 110.2#

121 0.0 24.4 36.6#

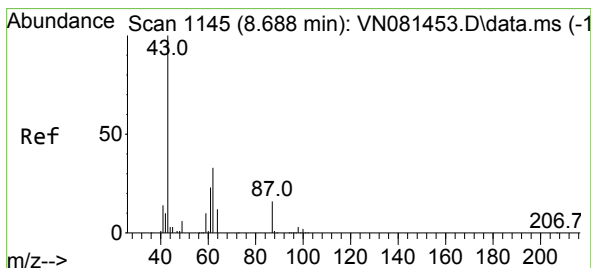
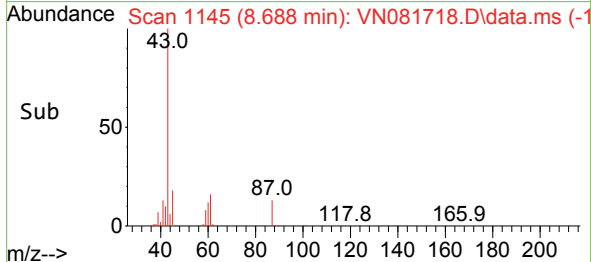
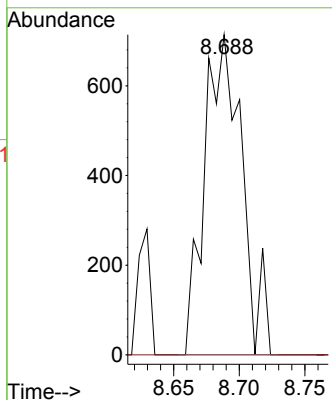
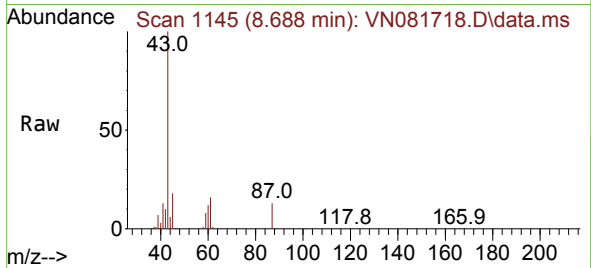




#42
1,2-Dichloroethane
Concen: 0.253 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

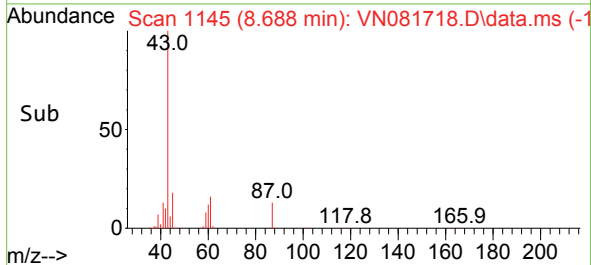
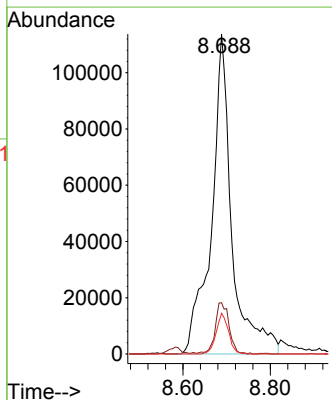
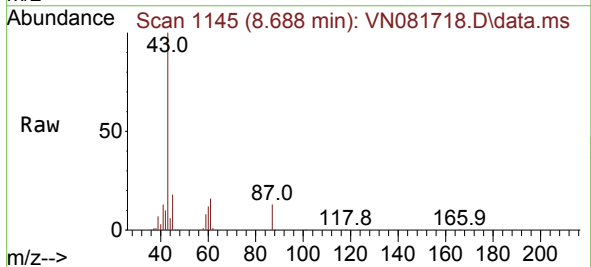
Instrument :
MSVOA_N
ClientSampleId :

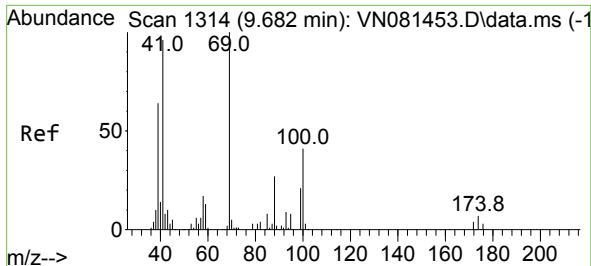
Tgt Ion: 62 Resp: 1416
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0



#43
Isopropyl Acetate
Concen: 47.769 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

Tgt Ion: 43 Resp: 368624
Ion Ratio Lower Upper
43 100
61 10.9 19.9 29.9#
87 7.7 9.0 13.6#

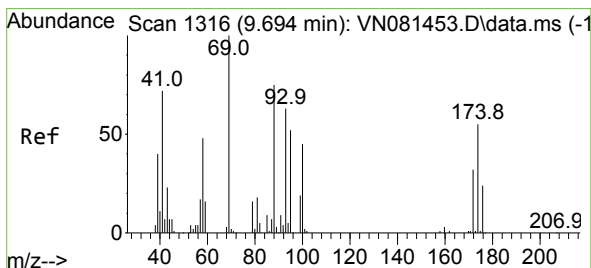
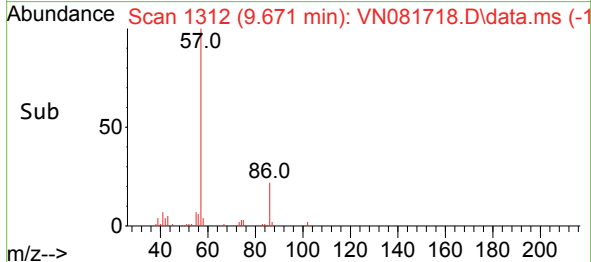
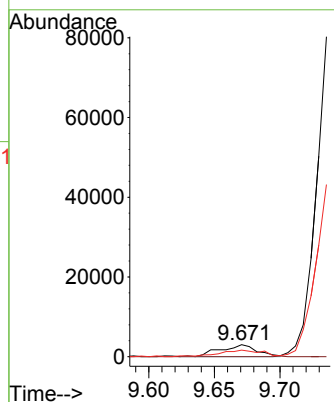
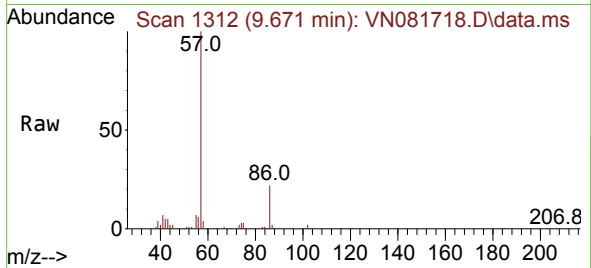




#48
Methyl methacrylate
Concen: 1.651 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

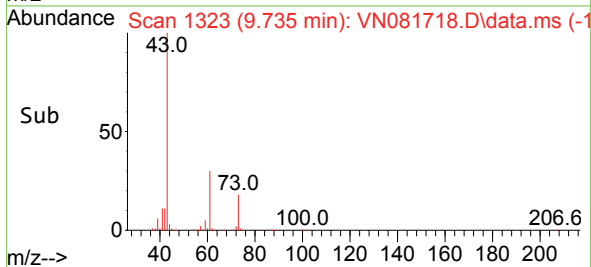
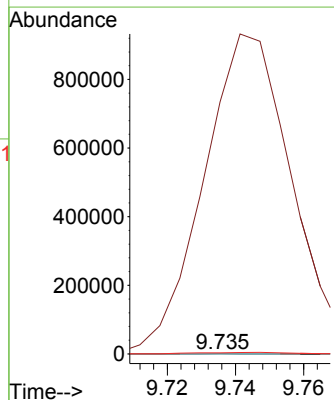
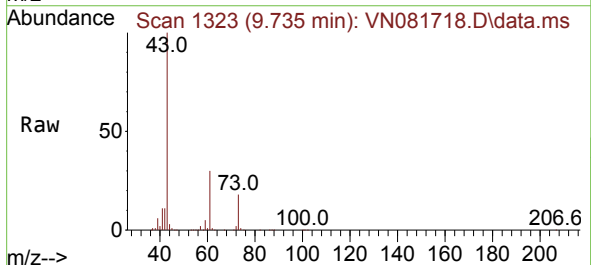
Instrument :
MSVOA_N
ClientSampleId :

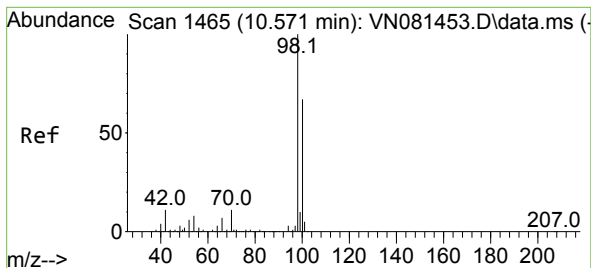
Tgt Ion: 41 Resp: 5878
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 64.9 47.6 71.4



#49
1,4-Dioxane
Concen: 2.268 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

Tgt Ion: 88 Resp: 194
Ion Ratio Lower Upper
88 100
43 866660.3 30.1 45.1#
58 4762.9 63.9 95.9#





#50

Toluene-d8

Concen: 56.085 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

Instrument :

MSVOA_N

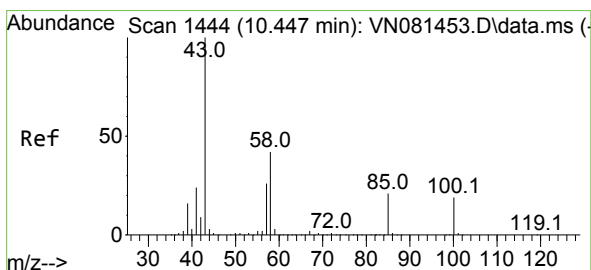
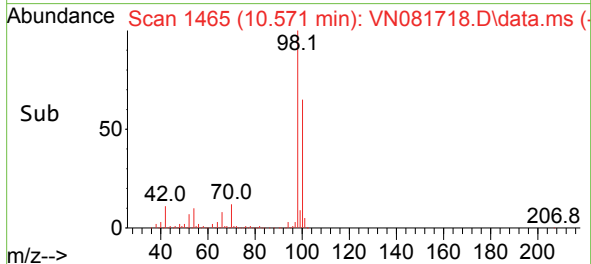
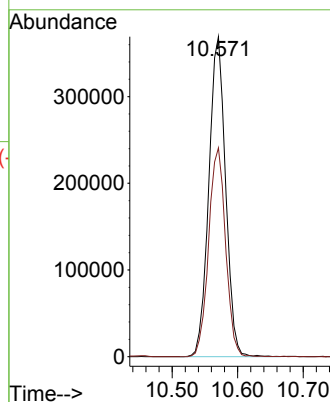
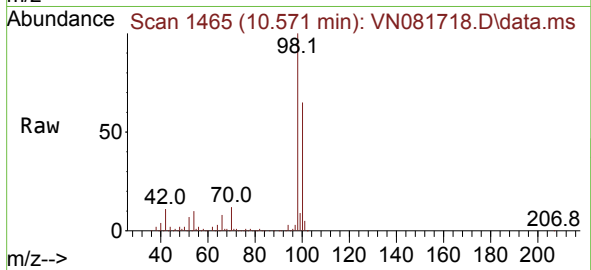
ClientSampleId :

Tgt Ion: 98 Resp: 654969

Ion Ratio Lower Upper

98 100

100 66.1 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 3.179 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN081718.D

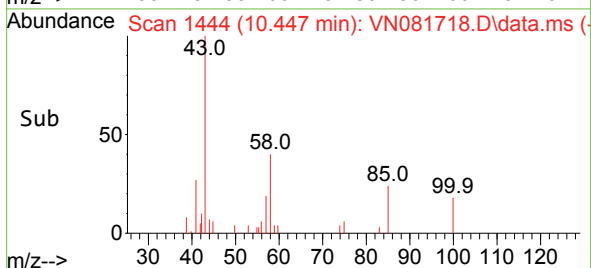
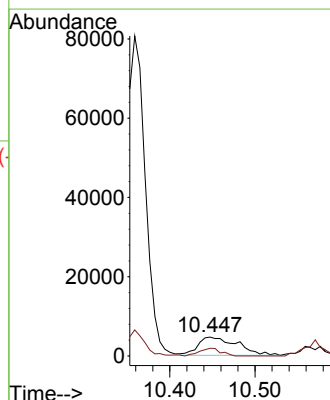
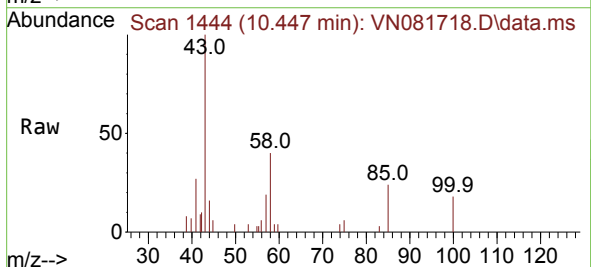
Acq: 12 Apr 2024 15:20

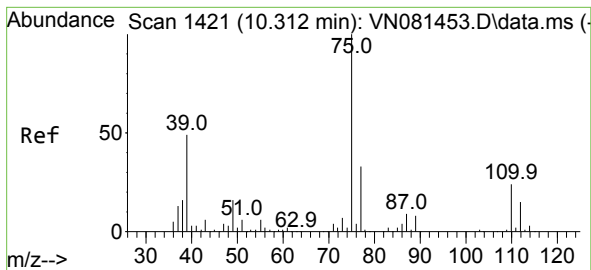
Tgt Ion: 43 Resp: 14968

Ion Ratio Lower Upper

43 100

58 22.8 29.4 44.0#

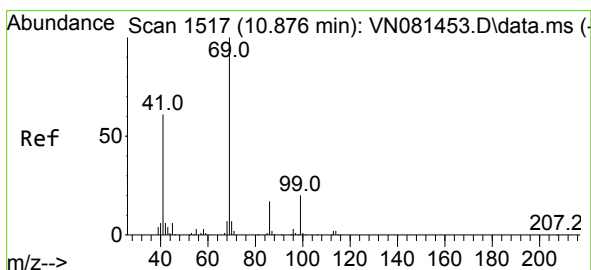
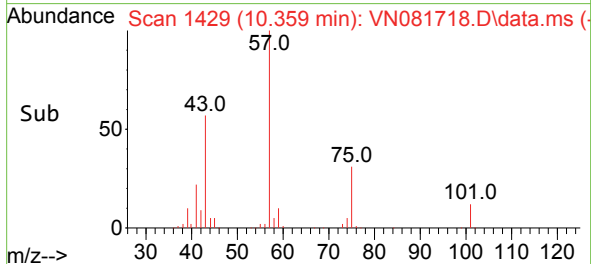
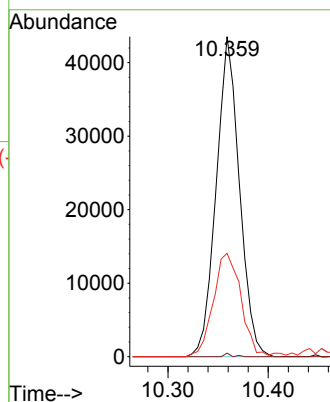
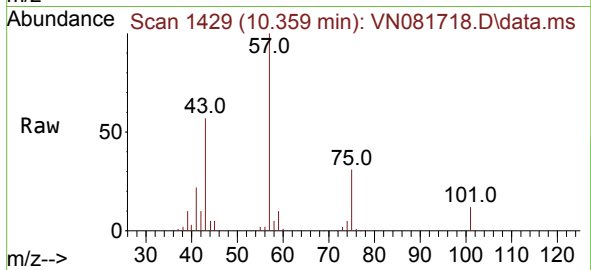




#54
 cis-1,3-Dichloropropene
 Concen: 10.546 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081718.D
 Acq: 12 Apr 2024 15:20

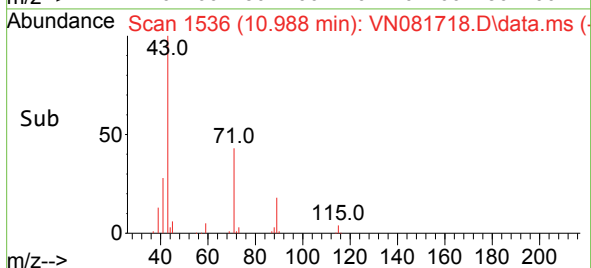
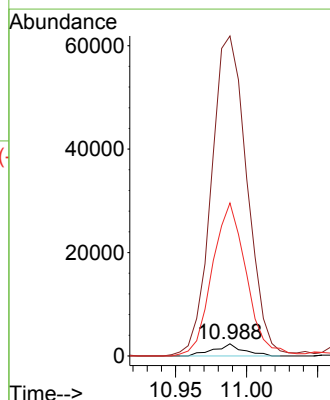
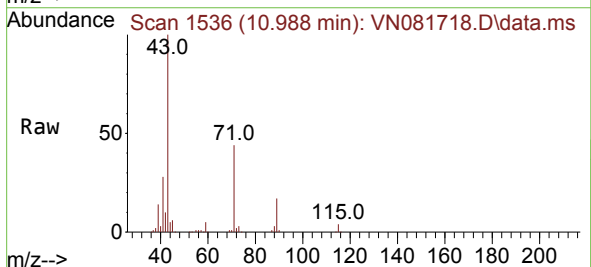
Instrument :
 MSVOA_N
 ClientSampleId :

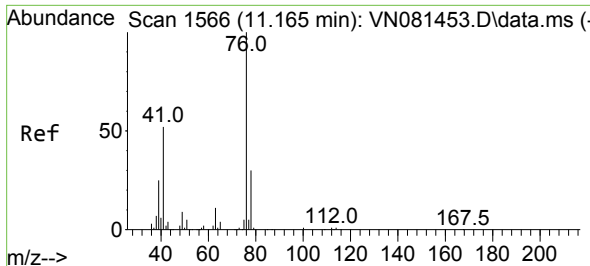
Tgt Ion: 75 Resp: 69834
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.3 34.9#
 39 32.3 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 1.184 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN081718.D
 Acq: 12 Apr 2024 15:20

Tgt Ion: 69 Resp: 3382
 Ion Ratio Lower Upper
 69 100
 41 3205.4 61.0 91.6#
 39 1470.0 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.491 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

Instrument :

MSVOA_N

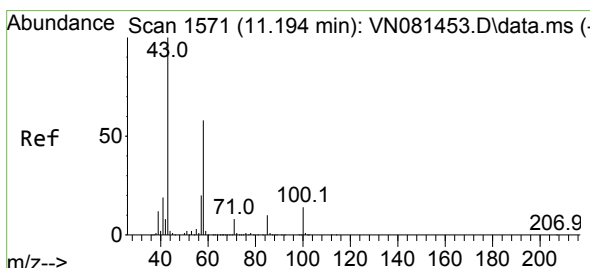
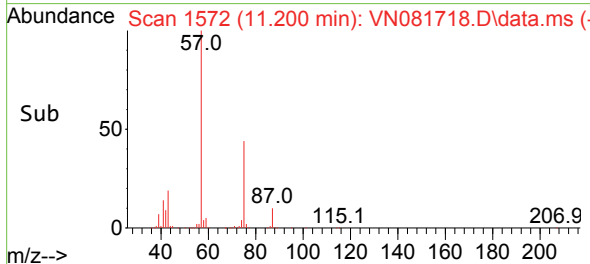
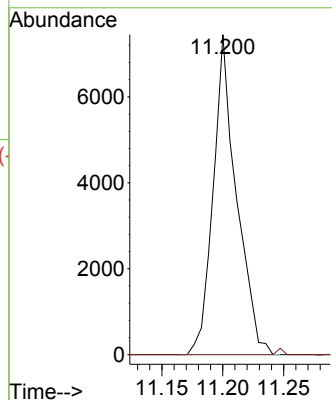
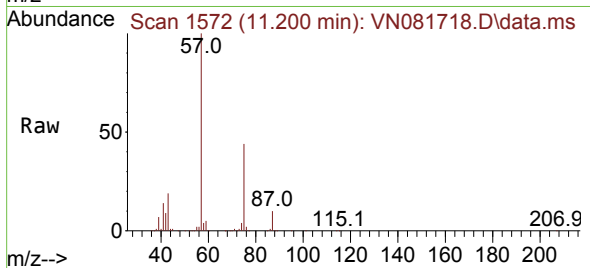
ClientSampleId :

Tgt Ion: 76 Resp: 9935

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 45.002 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081718.D

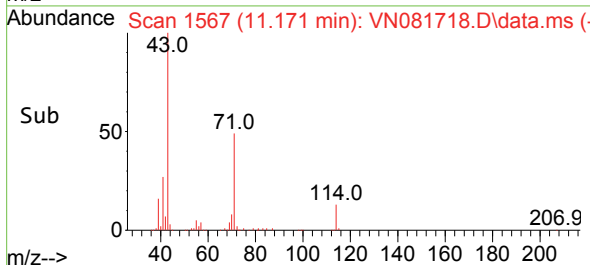
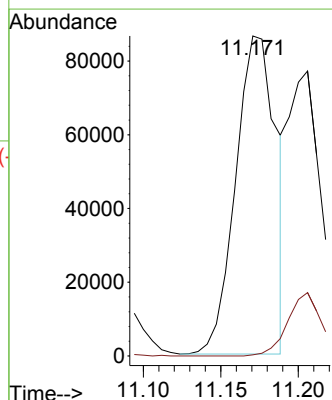
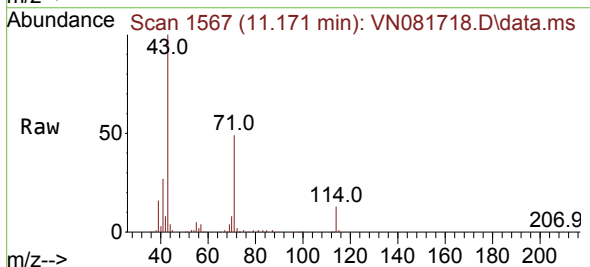
Acq: 12 Apr 2024 15:20

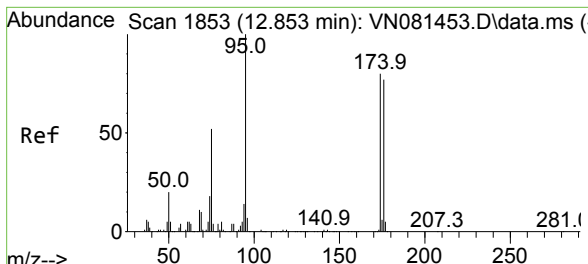
Tgt Ion: 43 Resp: 156671

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

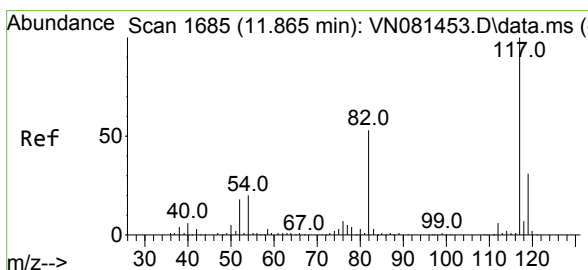
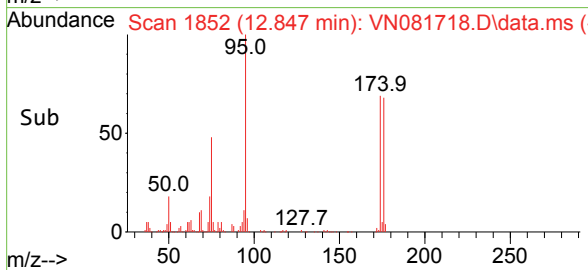
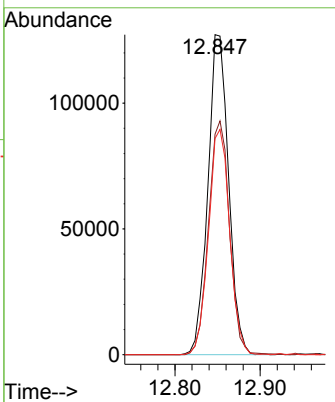
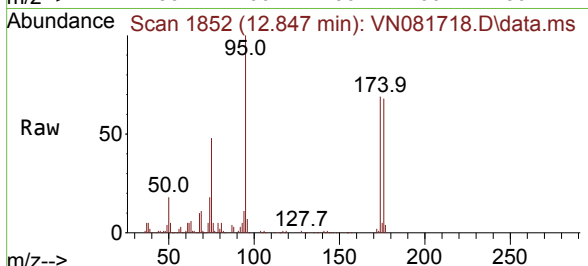




#62
 4-Bromofluorobenzene
 Concen: 52.357 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: VN081718.D
 Acq: 12 Apr 2024 15:20

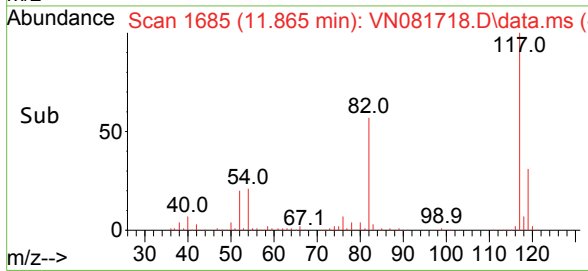
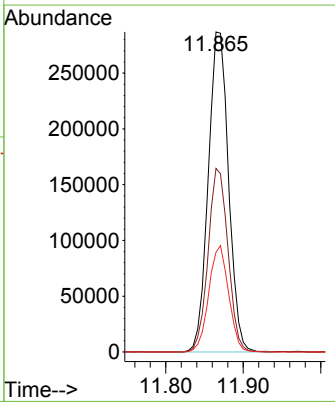
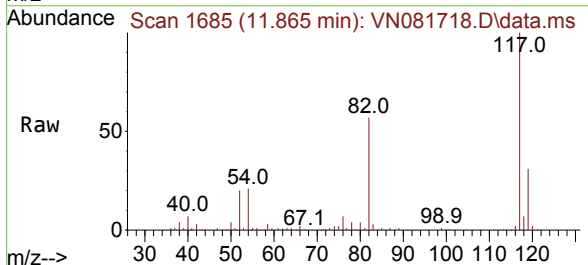
Instrument :
 MSVOA_N
 ClientSampleId :

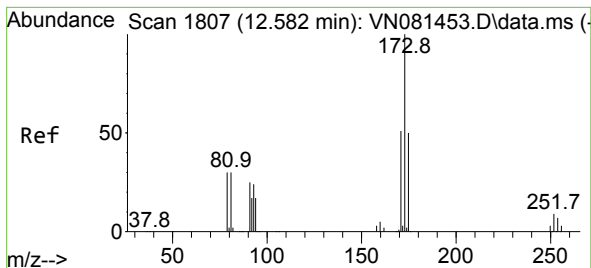
Tgt Ion:	95	Resp:	215445
Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	120.4
176	71.9	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081718.D
 Acq: 12 Apr 2024 15:20

Tgt Ion:	117	Resp:	521755
Ion	Ratio	Lower	Upper
117	100		
82	57.4	52.7	79.1
119	31.1	25.3	37.9





#71

Bromoform

Concen: 0.671 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

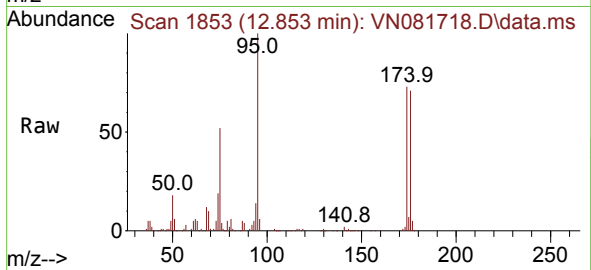
Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

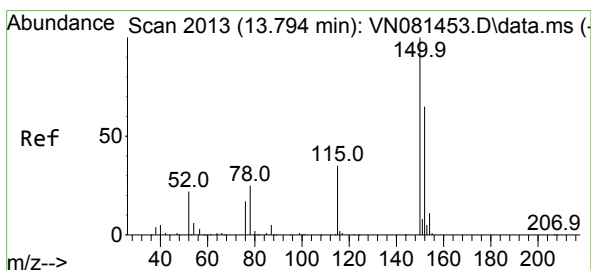
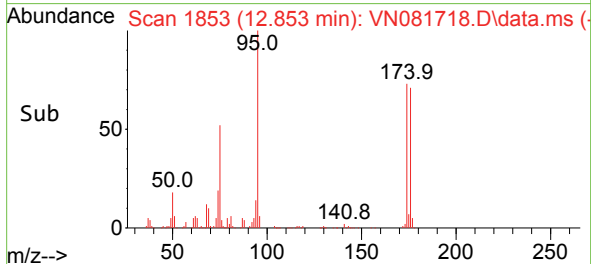
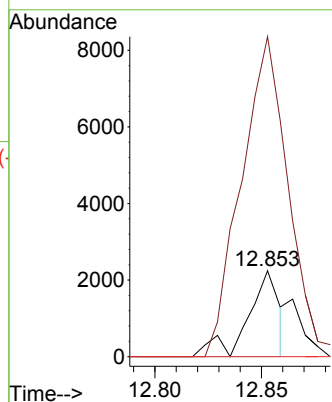
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	2305
Ion Ratio	Lower	Upper	
173	100		
175	462.6	23.1	69.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

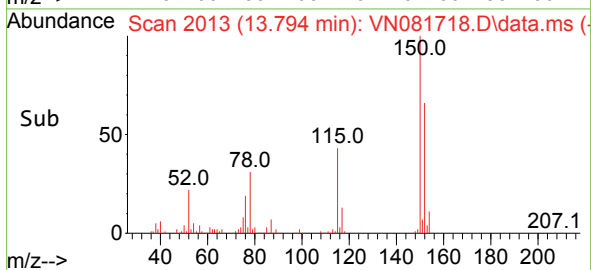
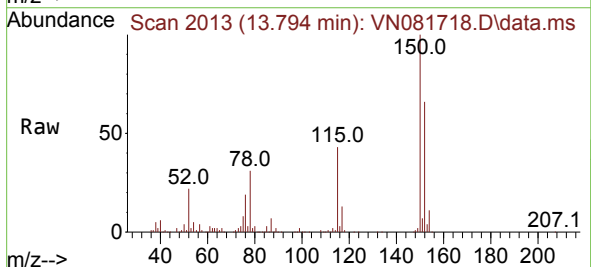
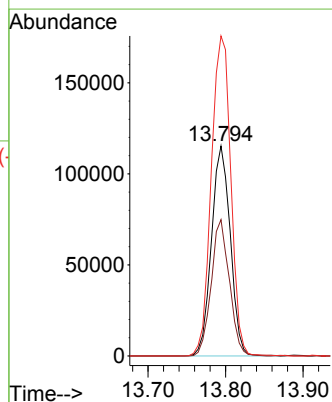
RT: 13.794 min Scan# 2013

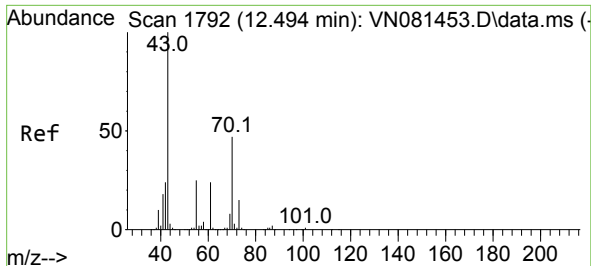
Delta R.T. 0.000 min

Lab File: VN081718.D

Acq: 12 Apr 2024 15:20

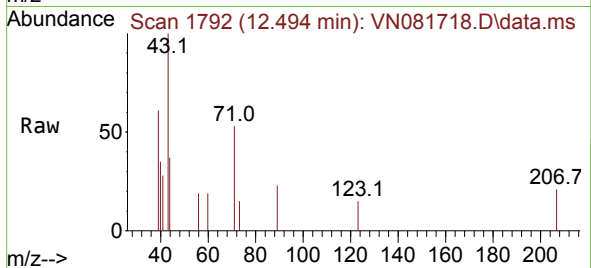
Tgt Ion:	152	Resp:	194618
Ion Ratio	Lower	Upper	
152	100		
115	62.6	32.3	96.8
150	157.9	0.0	339.8



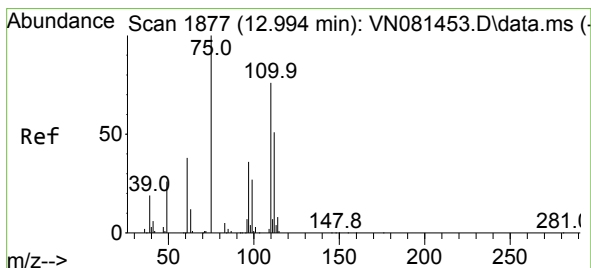
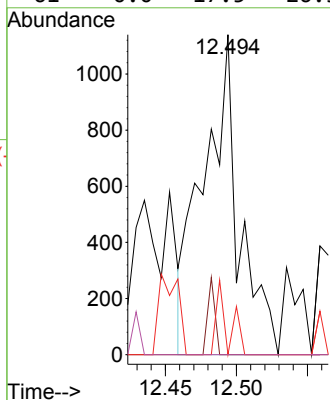
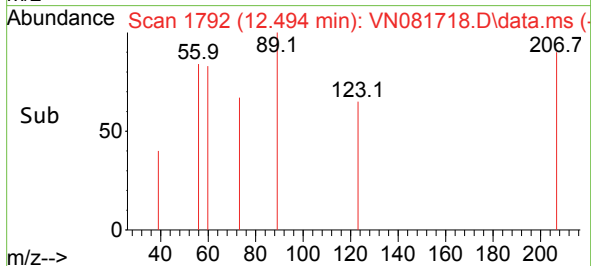


#74
N-amy1 acetate
Concen: 0.331 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

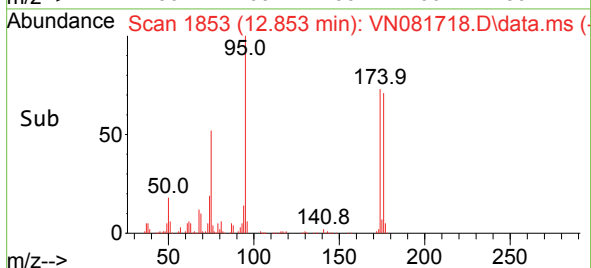
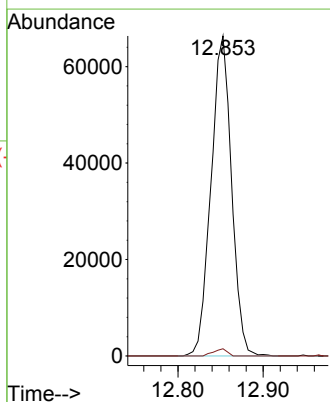
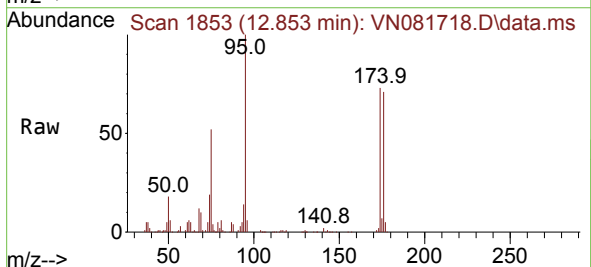


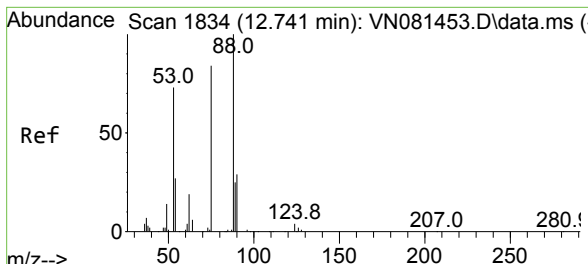
Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
70 4.9 30.1 45.1#
55 7.8 17.0 25.4#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 23.923 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081718.D
Acq: 12 Apr 2024 15:20

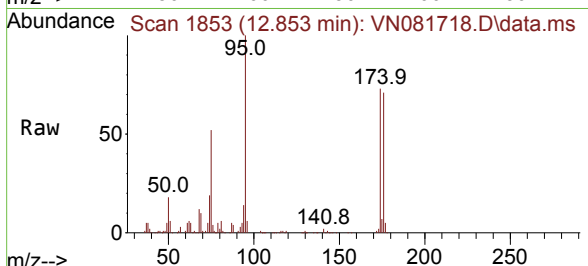
Tgt Ion: 75 Resp: 111369
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.647 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081718.D
 Acq: 12 Apr 2024 15:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 111369
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.4 107.2#
 89 0.0 33.4 50.0#

