

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081716.D
 Acq On : 12 Apr 2024 14:32
 Operator : JC\MD
 Sample : PB160181ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:56:24 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

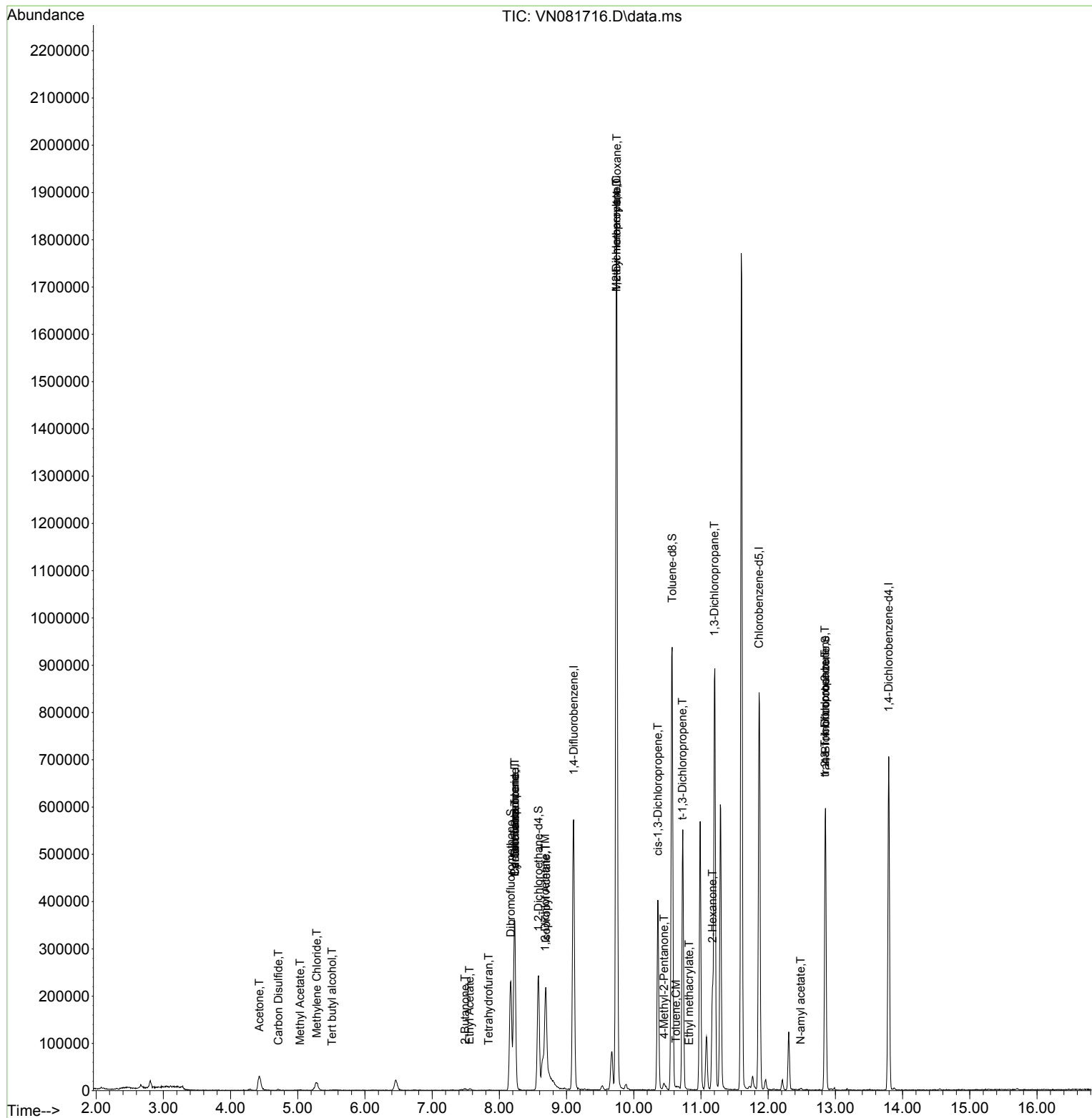
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	257131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	502618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	499419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	199298	60.778	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.560%	
35) Dibromofluoromethane	8.171	113	165698	52.237	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.480%	
50) Toluene-d8	10.571	98	652125	56.872	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.740%#	
62) 4-Bromofluorobenzene	12.853	95	202443	50.105	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 100.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	726	1.270	ug/l #	72
16) Acetone	4.430	43	56238	53.068	ug/l	98
17) Carbon Disulfide	4.712	76	2117	0.243	ug/l #	78
18) Methyl Acetate	5.036	43	2239	0.685	ug/l #	54
20) Methylene Chloride	5.283	84	14367	4.139	ug/l #	72
25) 2-Butanone	7.488	43	5253	2.890	ug/l #	84
29) Tetrahydrofuran	7.841	42	255	0.208	ug/l #	32
31) Cyclohexane	8.230	56	6538	1.225	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	23747	4.449	ug/l #	51
37) Ethyl Acetate	7.559	43	4412	0.965	ug/l #	90
38) Carbon Tetrachloride	8.230	117	26555	4.541	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1599	0.291	ug/l #	75
43) Isopropyl Acetate	8.694	43	315254	41.607	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	2589	0.685	ug/l #	42
48) Methyl methacrylate	9.741	41	171661	49.119	ug/l #	48
49) 1,4-Dioxane	9.747	88	172	2.048	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	13981	3.024	ug/l #	82
52) Toluene	10.629	92	2189	0.221	ug/l	94
53) t-1,3-Dichloropropene	10.724	75	1622	0.267	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	73569	11.315	ug/l #	63
56) Ethyl methacrylate	10.823	69	155	0.599	ug/l #	20
57) 1,3-Dichloropropane	11.200	76	9732	1.487	ug/l #	44
59) 2-Hexanone	11.171	43	154210	45.113	ug/l #	26
74) N-amyl acetate	12.482	43	1983	0.345	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	108592	24.353	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108592	65.809	ug/l #	14

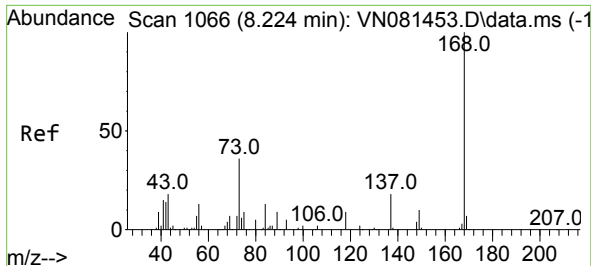
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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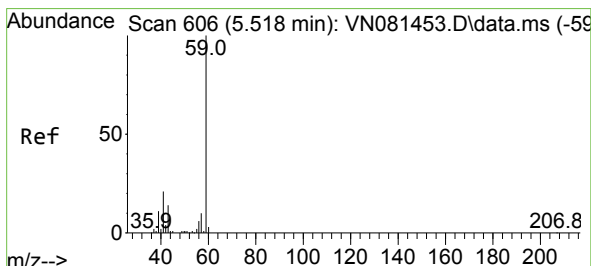
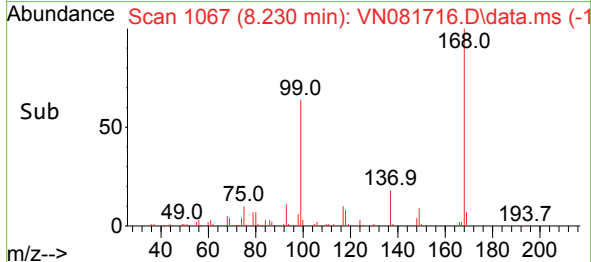
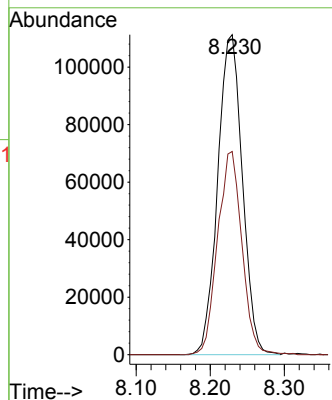
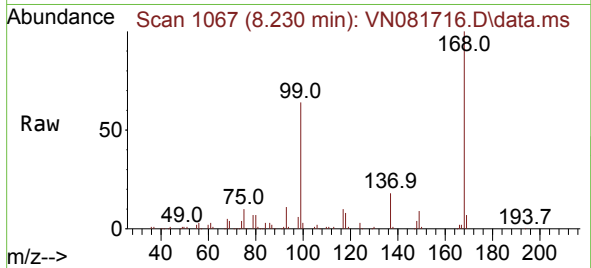




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

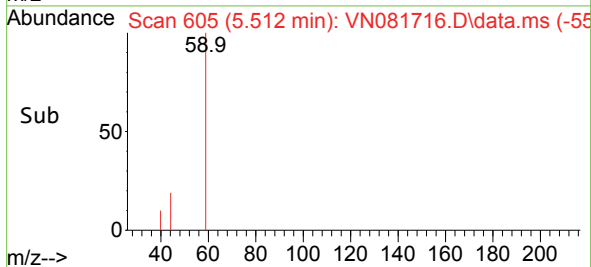
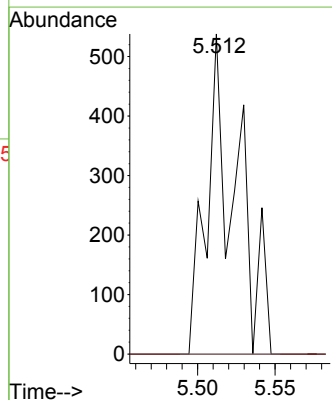
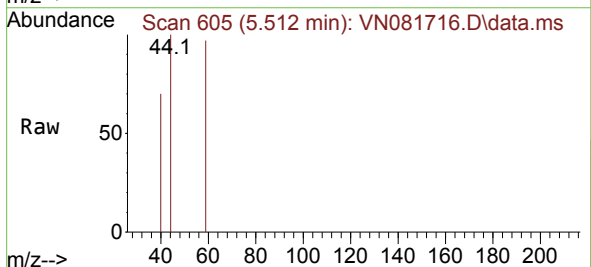
Instrument :
MSVOA_N
ClientSampleId :

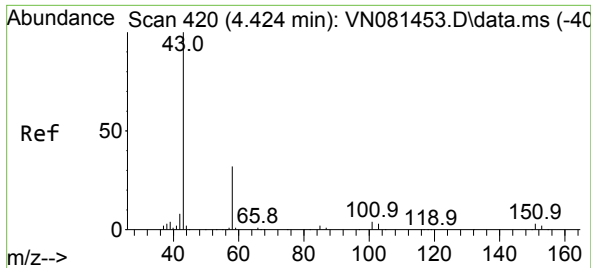
Tgt Ion:168 Resp: 257131
Ion Ratio Lower Upper
168 100
99 63.5 59.9 89.9



#11
Tert butyl alcohol
Concen: 1.270 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Tgt Ion: 59 Resp: 726
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

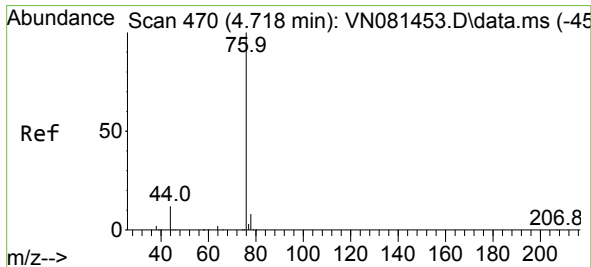
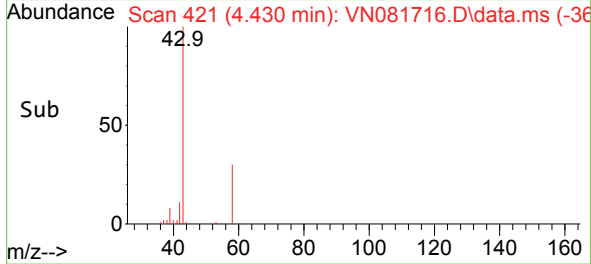
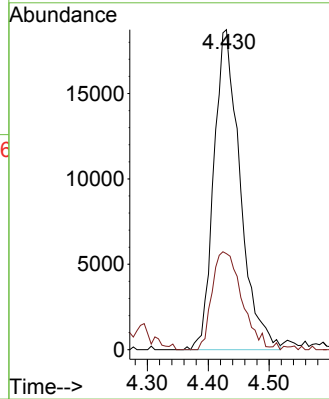
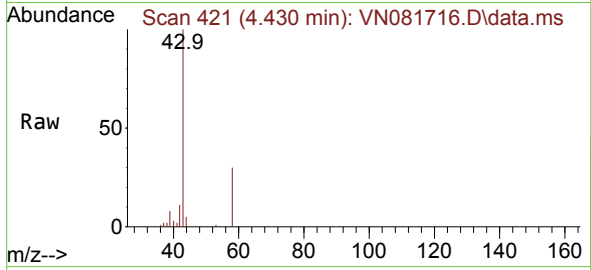




#16
Acetone
Concen: 53.068 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

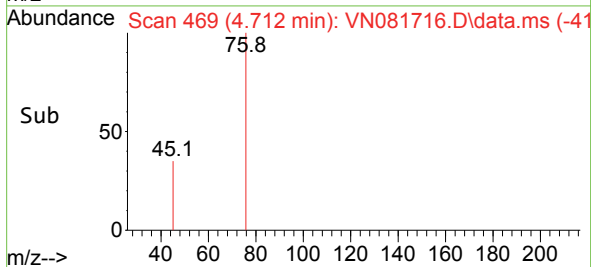
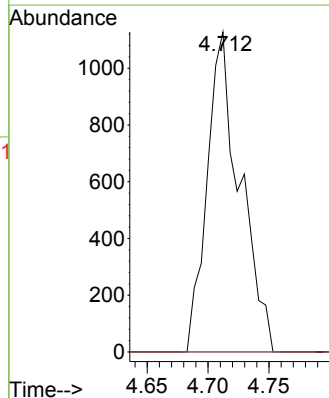
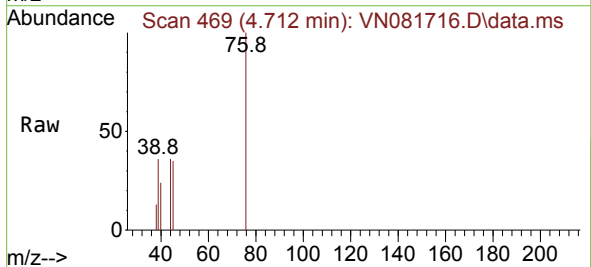
Instrument :
MSVOA_N
ClientSampleId :

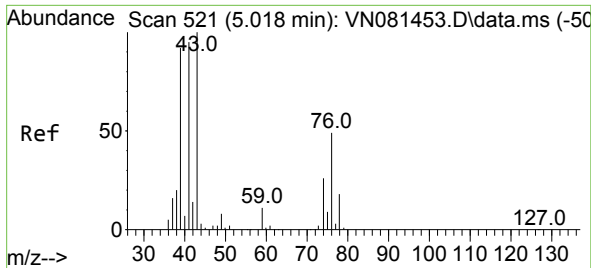
Tgt Ion: 43 Resp: 56238
Ion Ratio Lower Upper
43 100
58 30.0 24.8 37.2



#17
Carbon Disulfide
Concen: 0.243 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

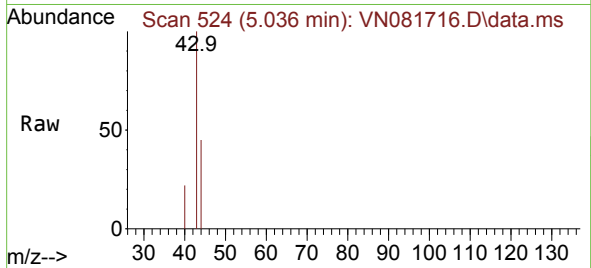
Tgt Ion: 76 Resp: 2117
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



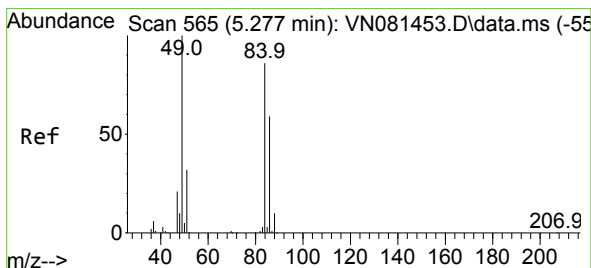
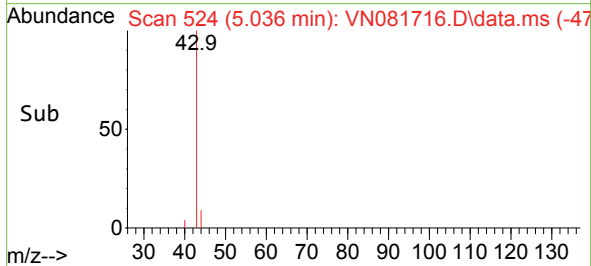
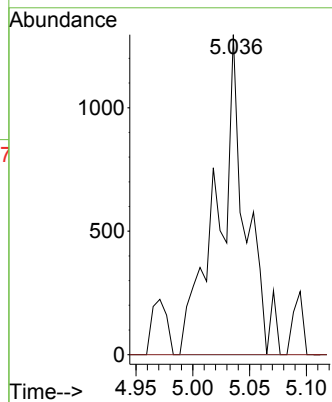


#18
Methyl Acetate
Concen: 0.685 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

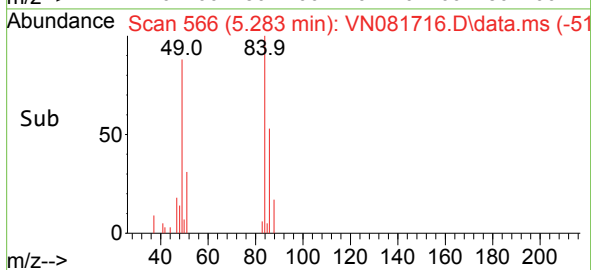
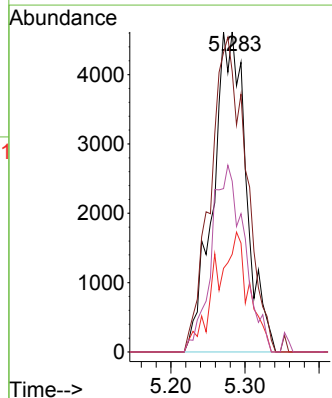
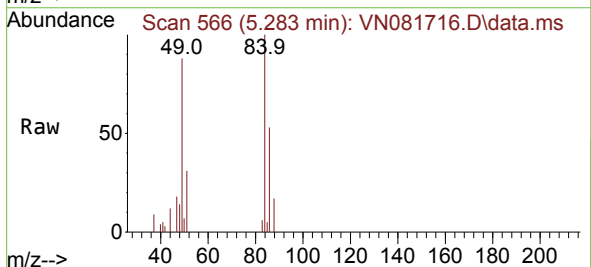


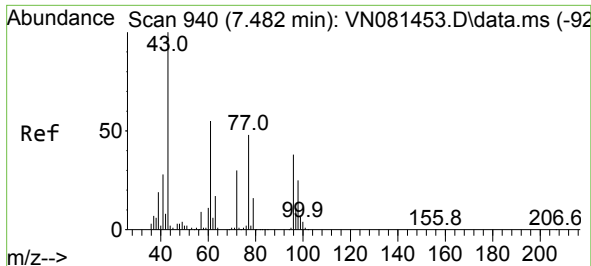
Tgt Ion: 43 Resp: 2239
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 4.139 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Tgt Ion: 84 Resp: 14367
Ion Ratio Lower Upper
84 100
49 87.6 108.1 162.1#
51 30.6 32.9 49.3#
86 53.4 48.6 73.0





#25

2-Butanone

Concen: 2.890 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

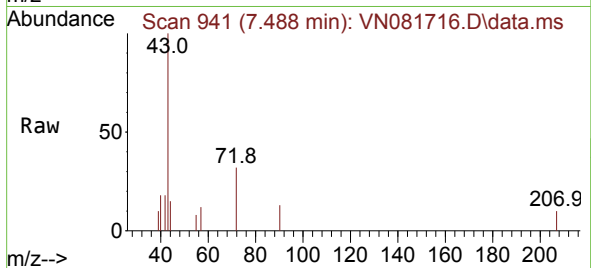
Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

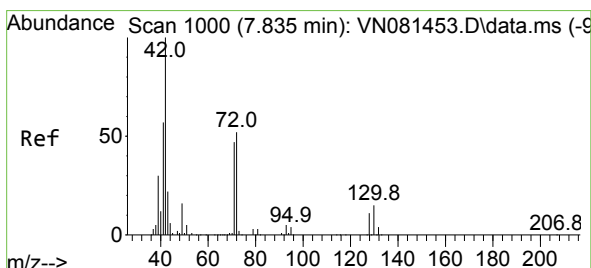
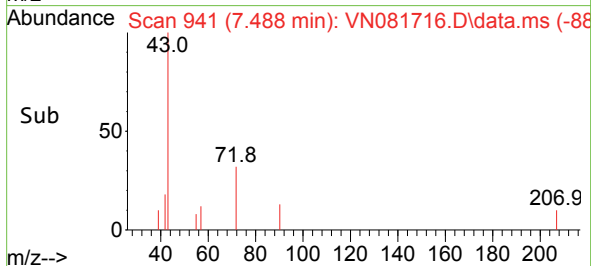
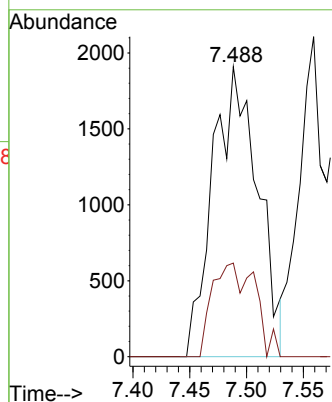


Tgt Ion: 43 Resp: 5253

Ion Ratio Lower Upper

43 100

72 32.3 19.5 29.3#



#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

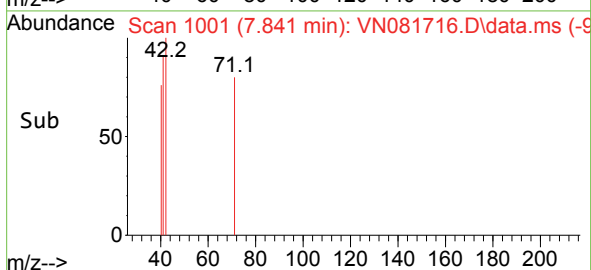
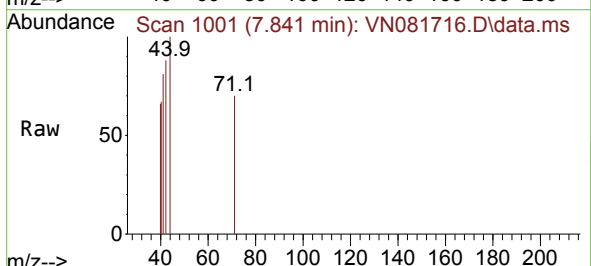
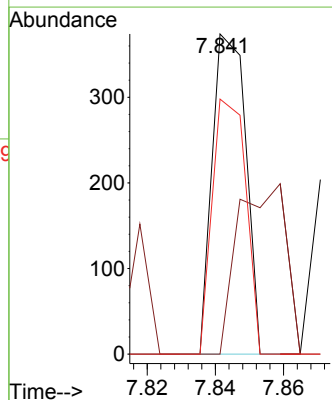
Tgt Ion: 42 Resp: 255

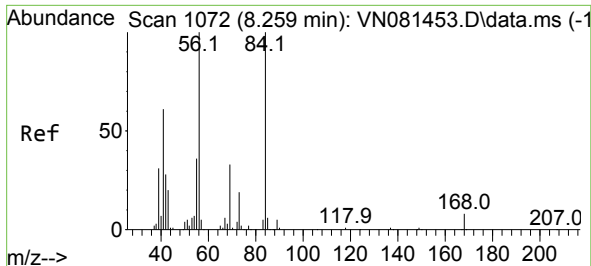
Ion Ratio Lower Upper

42 100

72 76.1 31.1 46.7#

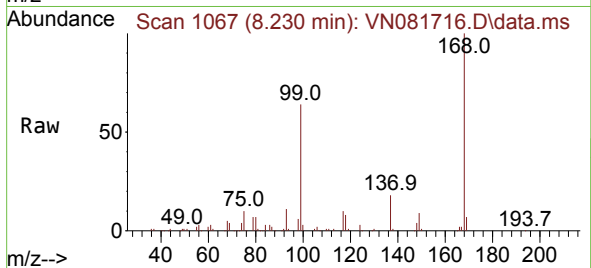
71 80.0 28.3 42.5#



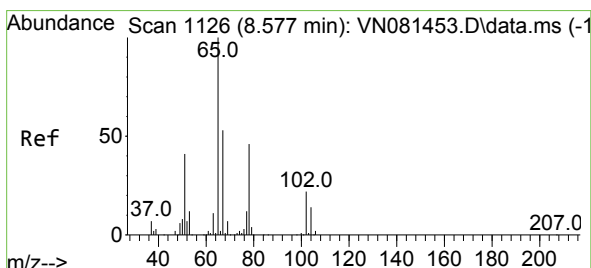
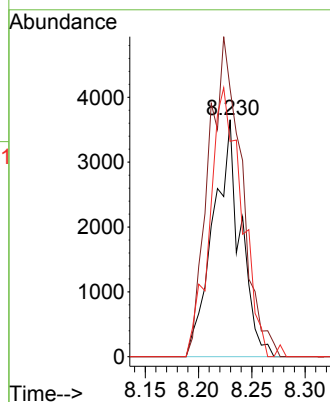
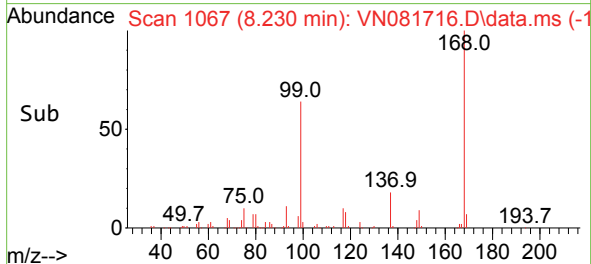


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.029 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

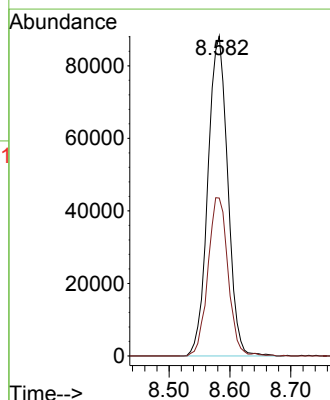
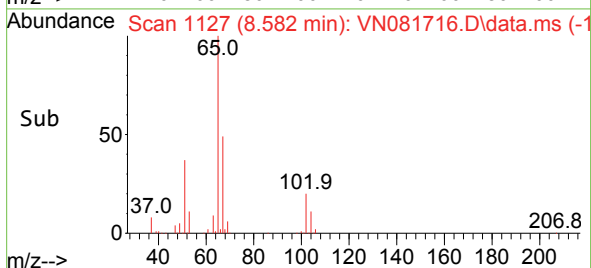
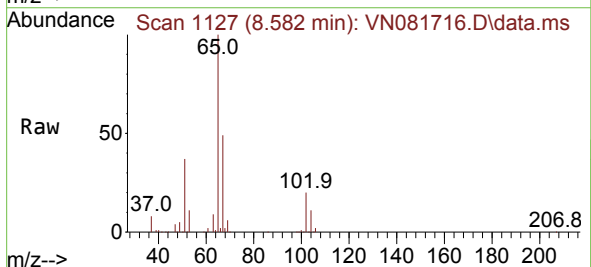


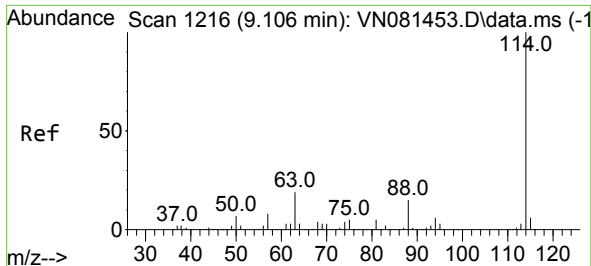
Tgt Ion: 56 Resp: 6538
Ion Ratio Lower Upper
56 100
69 112.9 20.1 30.1#
84 90.8 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 60.778 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Tgt Ion: 65 Resp: 199298
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

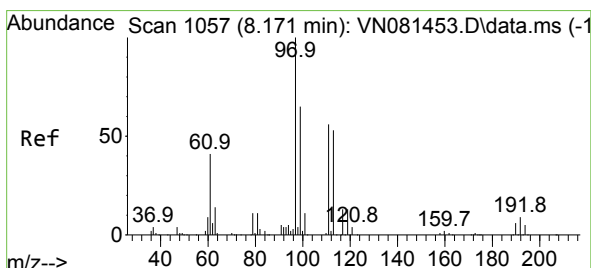
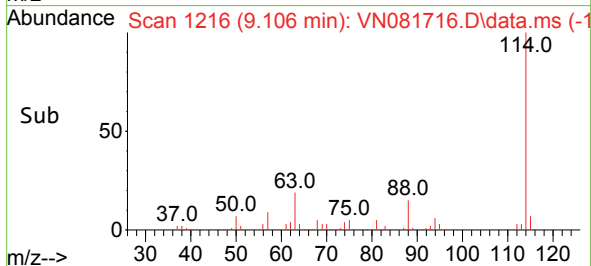
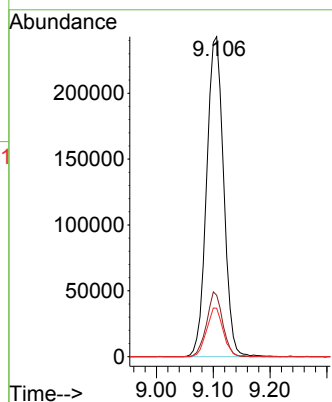
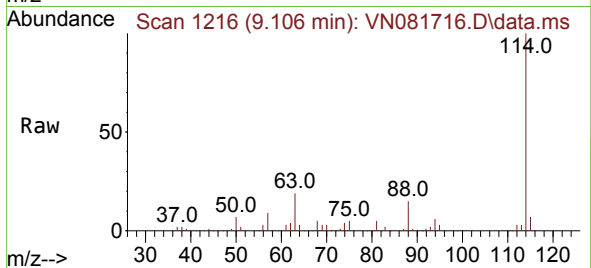
Tgt Ion:114 Resp: 502618

Ion Ratio Lower Upper

114 100

63 19.2 0.0 48.0

88 15.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 52.237 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

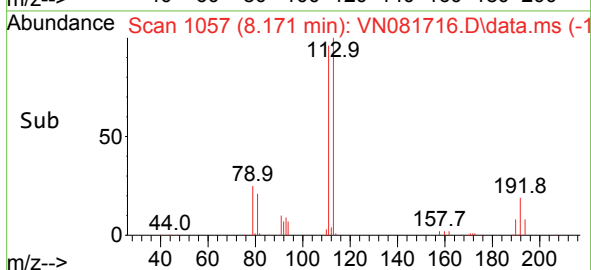
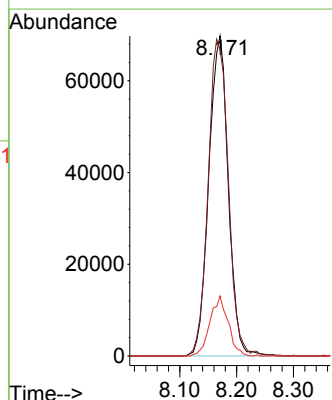
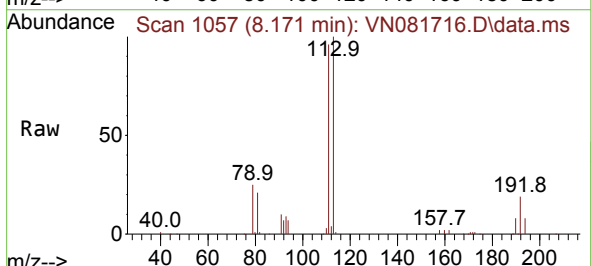
Tgt Ion:113 Resp: 165698

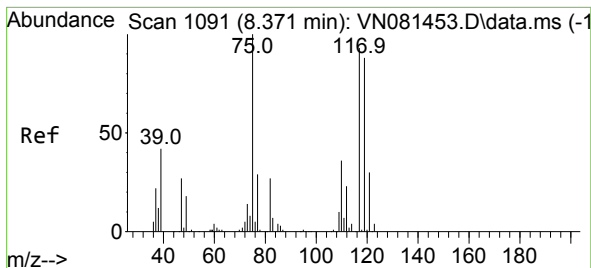
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 17.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

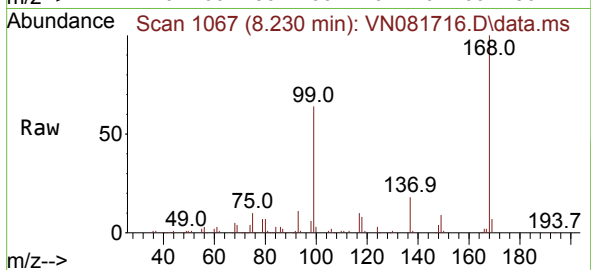
Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

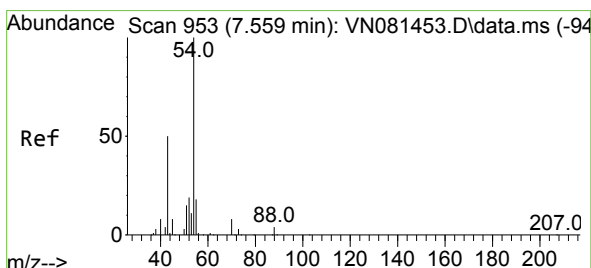
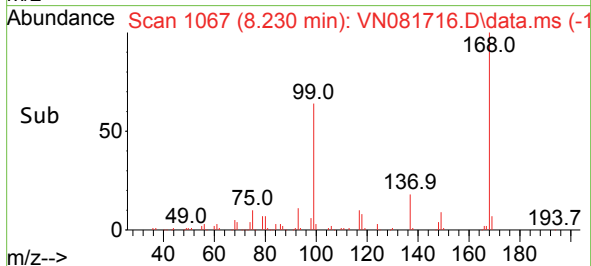
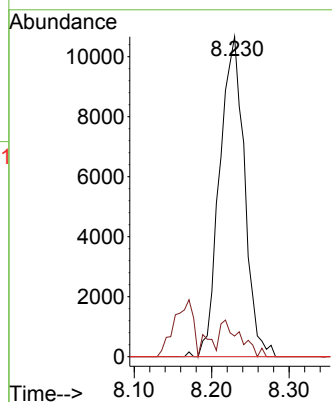
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	23747
Ion Ratio	Lower	Upper	
75	100		
110	9.3	16.0	48.0#
77	0.0	25.8	38.6#



#37

Ethyl Acetate

Concen: 0.965 ug/l

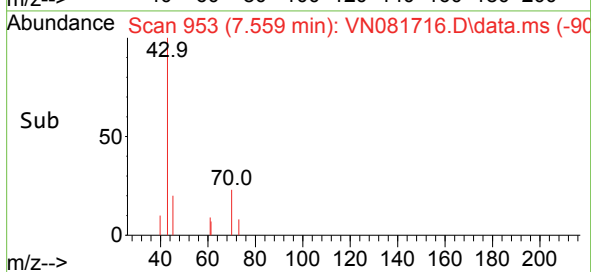
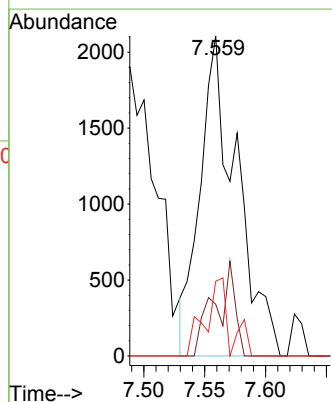
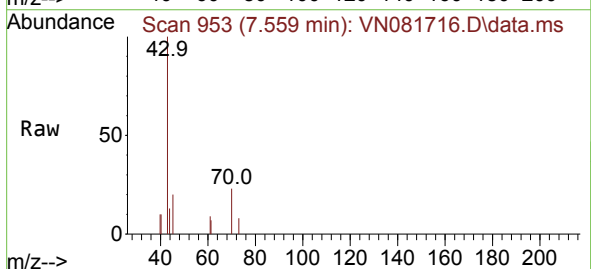
RT: 7.559 min Scan# 953

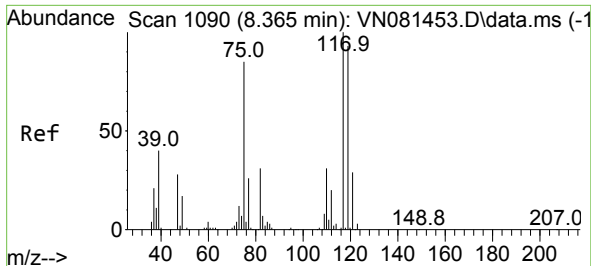
Delta R.T. 0.000 min

Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

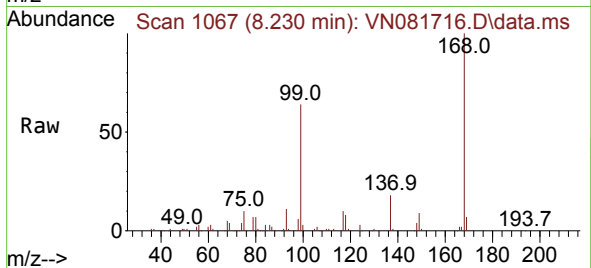
Tgt Ion:	43	Resp:	4412
Ion Ratio	Lower	Upper	
43	100		
61	16.4	10.6	15.8#
70	14.3	8.0	12.0#



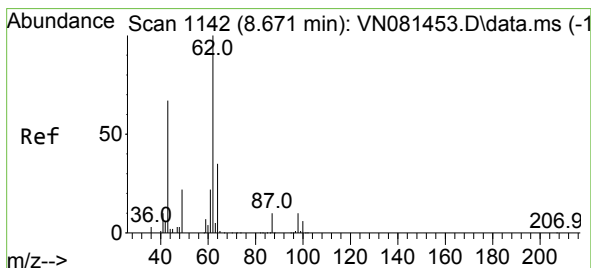
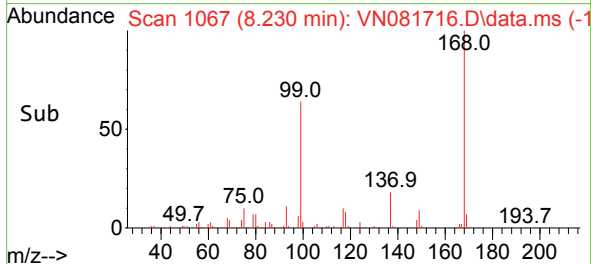
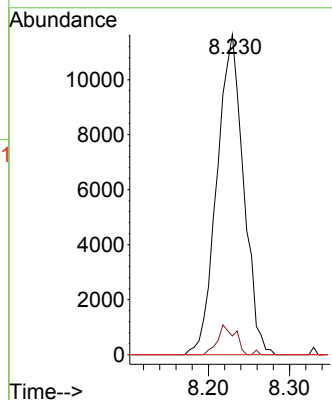


#38
Carbon Tetrachloride
Concen: 4.541 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

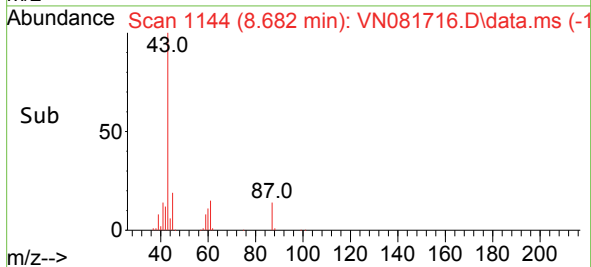
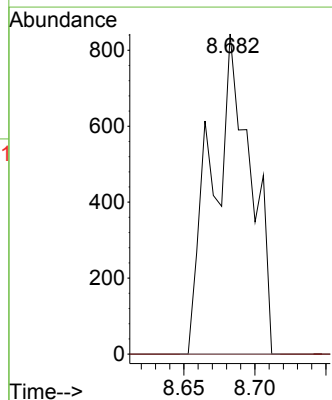
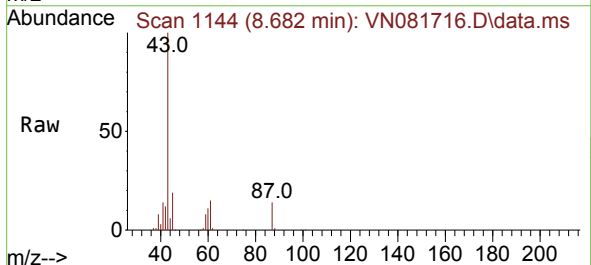


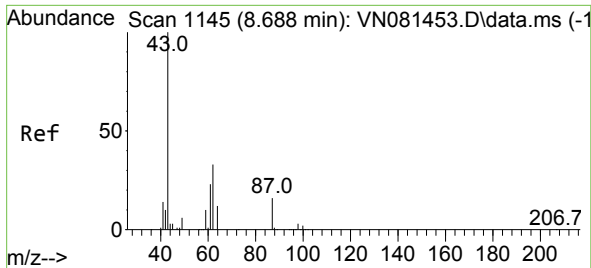
Tgt Ion: 117 Resp: 26555
Ion Ratio Lower Upper
117 100
119 5.9 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.291 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

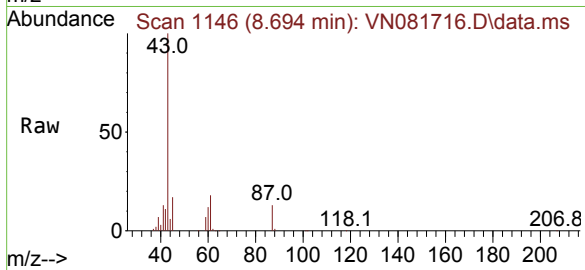
Tgt Ion: 62 Resp: 1599
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0



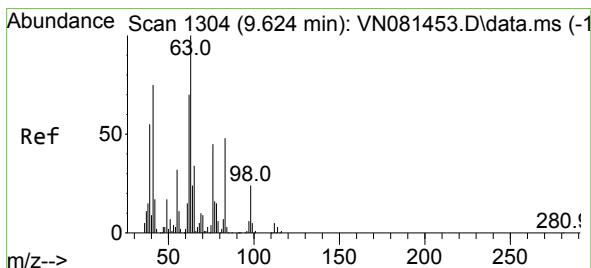
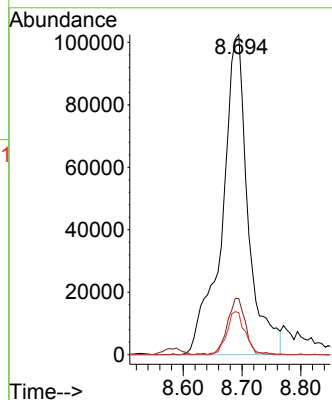
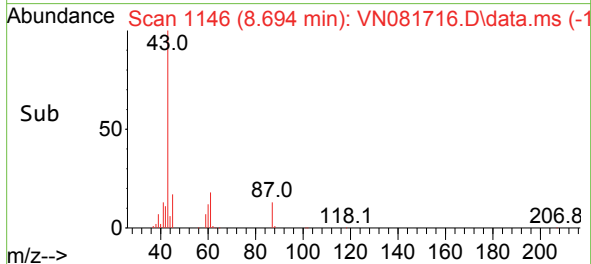


#43
Isopropyl Acetate
Concen: 41.607 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

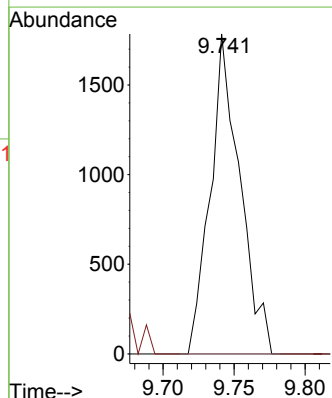
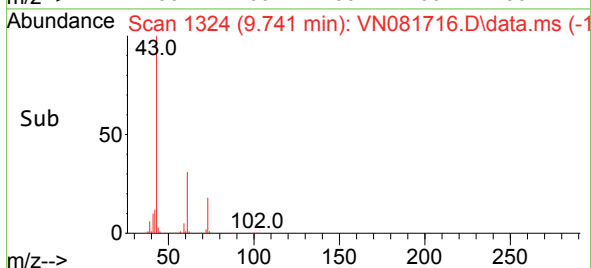
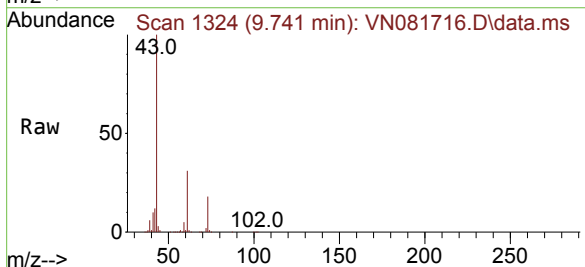


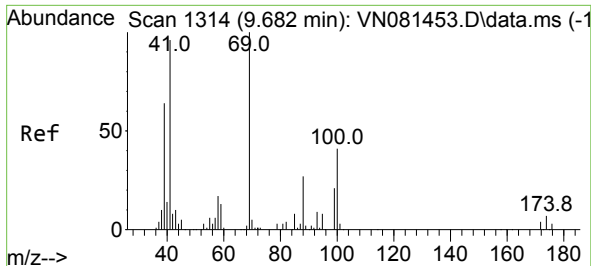
Tgt Ion: 43 Resp: 315254
Ion Ratio Lower Upper
43 100
61 12.3 19.9 29.9#
87 9.3 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.685 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Tgt Ion: 63 Resp: 2589
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 49.119 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

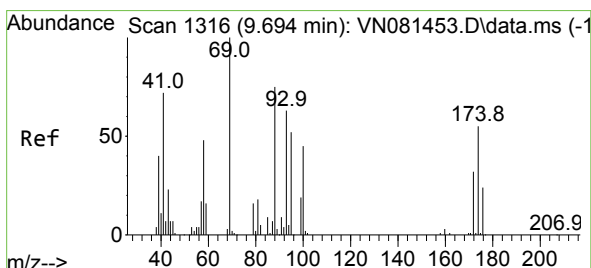
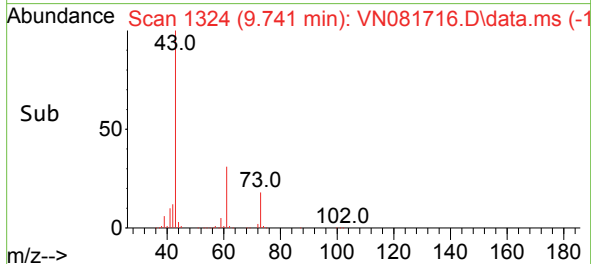
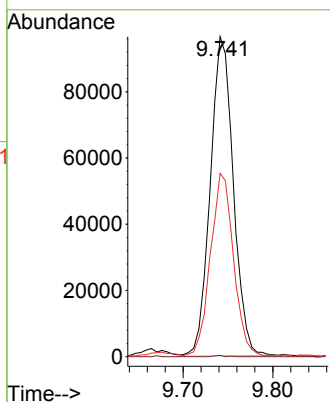
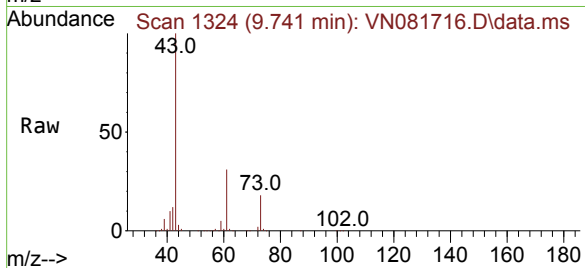
Tgt Ion: 41 Resp: 171661

Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.2#

39 57.6 47.6 71.4



#49

1,4-Dioxane

Concen: 2.048 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

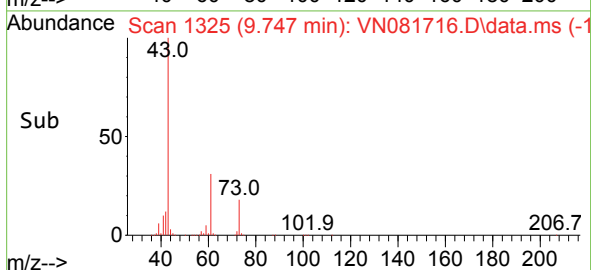
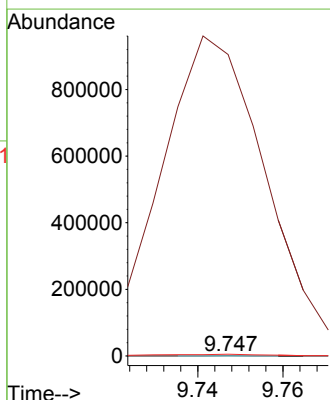
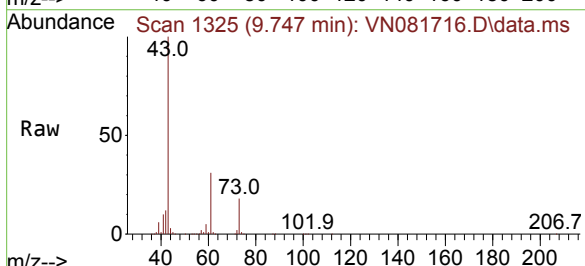
Tgt Ion: 88 Resp: 172

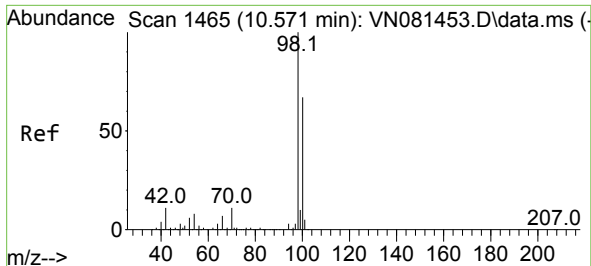
Ion Ratio Lower Upper

88 100

43 986939.0 30.1 45.1#

58 5906.4 63.9 95.9#

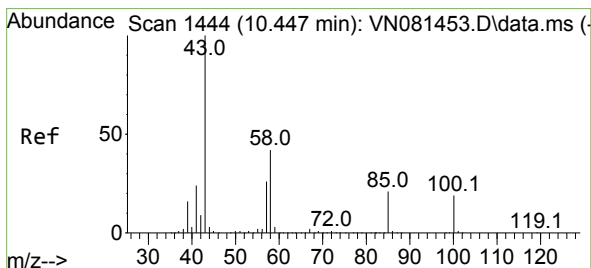
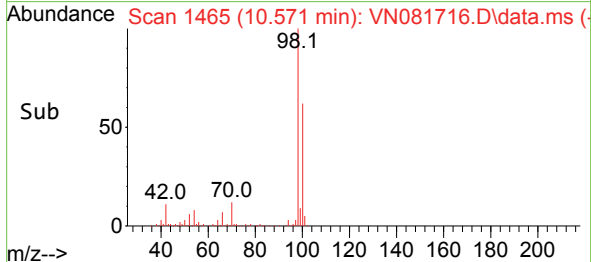
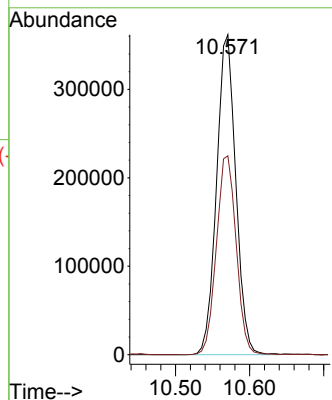
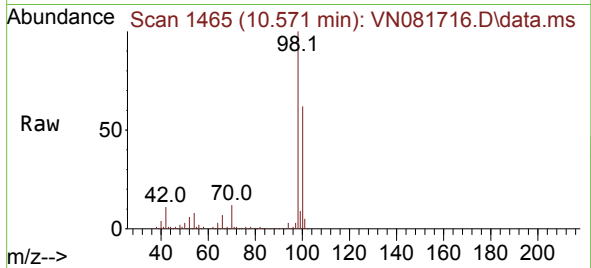




#50
Toluene-d8
Concen: 56.872 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

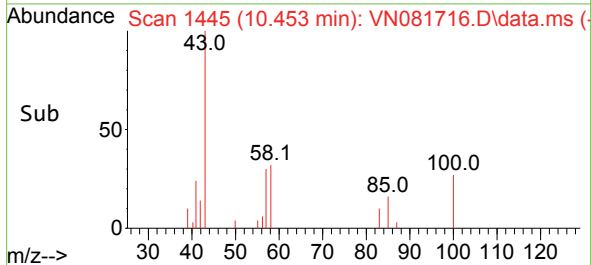
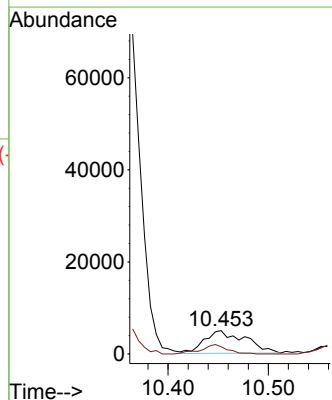
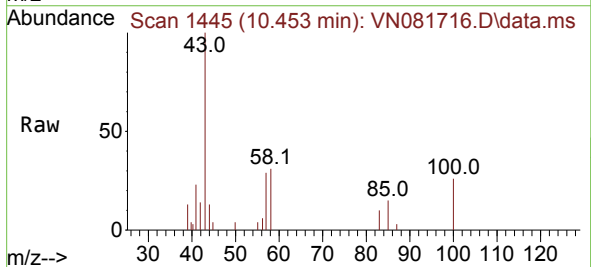
Instrument :
MSVOA_N
ClientSampleId :

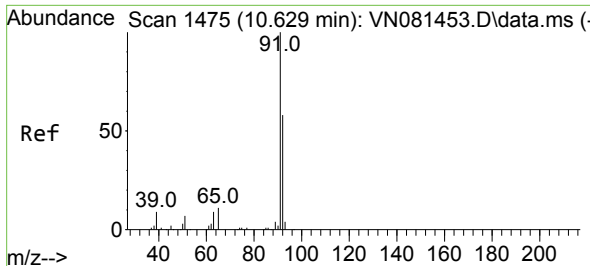
Tgt Ion: 98 Resp: 652125
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.024 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Tgt Ion: 43 Resp: 13981
Ion Ratio Lower Upper
43 100
58 26.3 29.4 44.0#

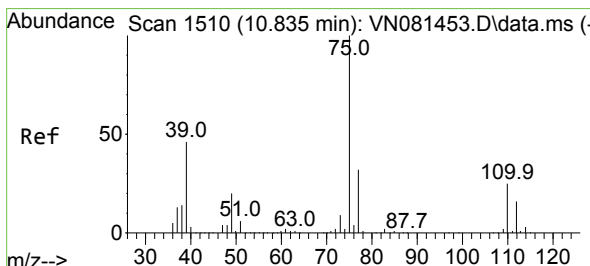
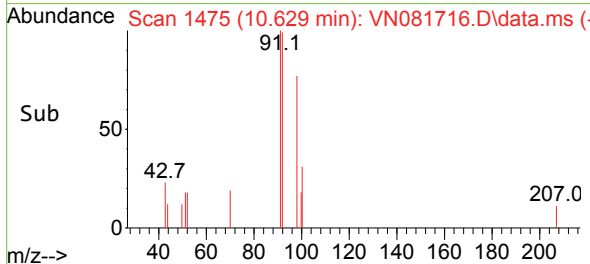
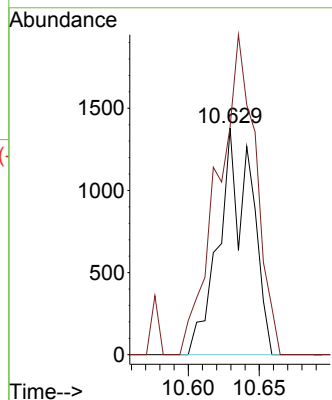
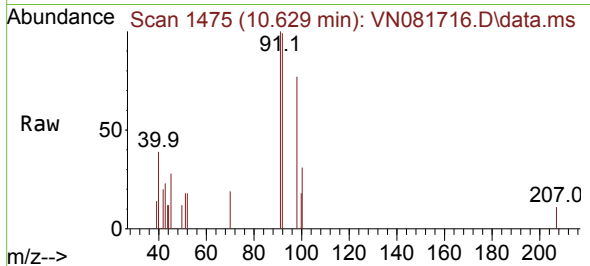




#52
Toluene
Concen: 0.221 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

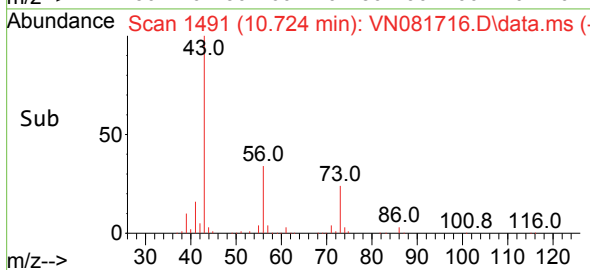
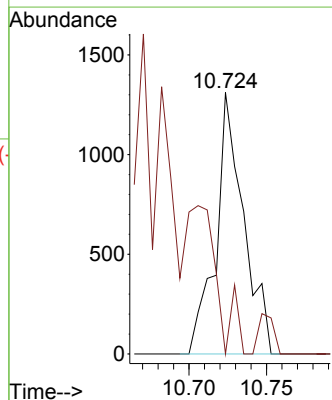
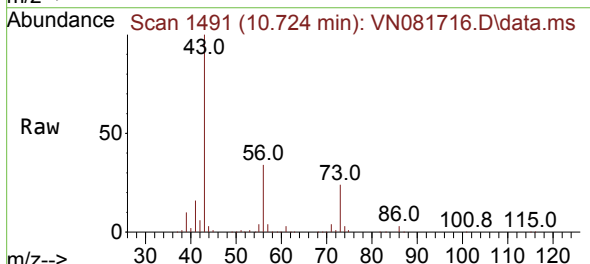
Instrument :
MSVOA_N
ClientSampleId :

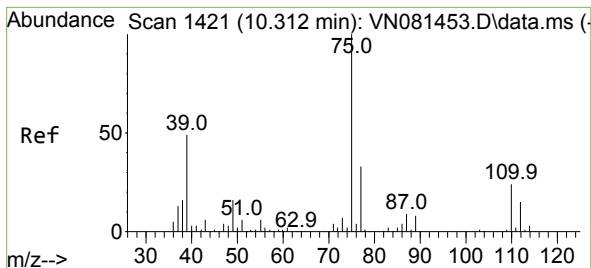
Tgt Ion: 92 Resp: 2189
Ion Ratio Lower Upper
92 100
91 165.8 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.267 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

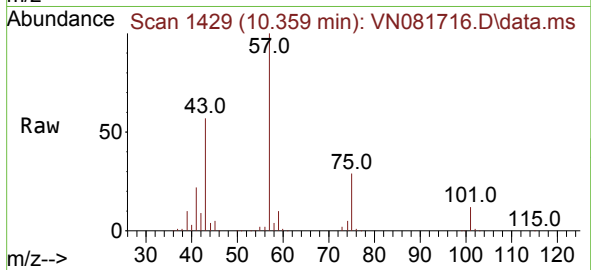
Tgt Ion: 75 Resp: 1622
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



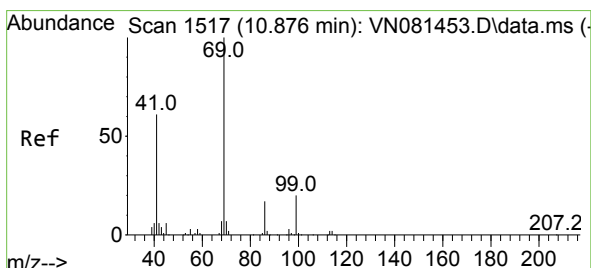
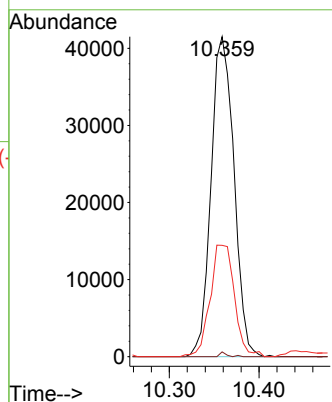
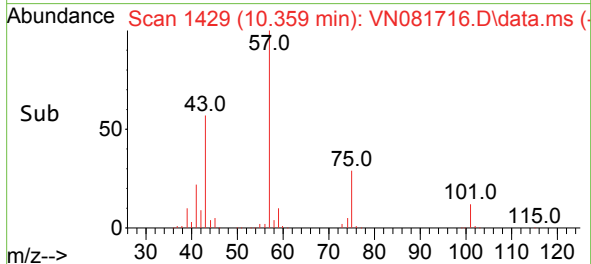


#54
 cis-1,3-Dichloropropene
 Concen: 11.315 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081716.D
 Acq: 12 Apr 2024 14:32

Instrument :
 MSVOA_N
 ClientSampleId :

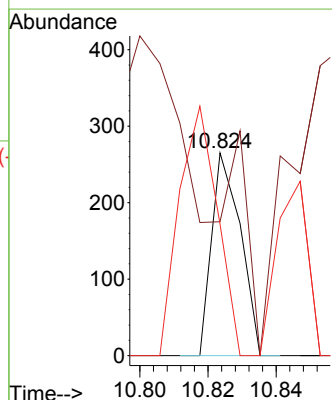
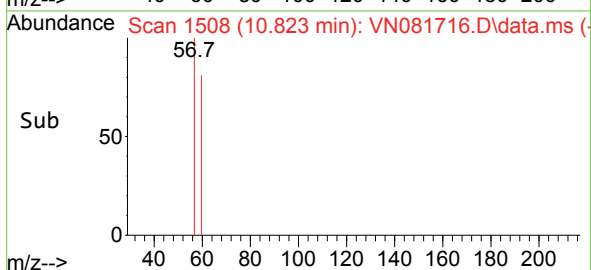
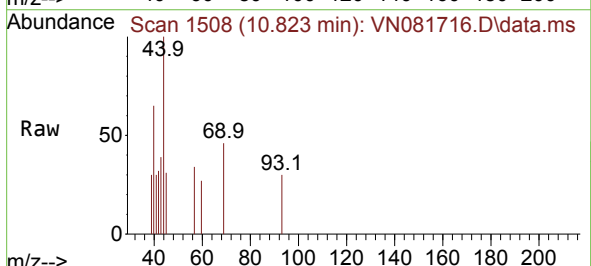


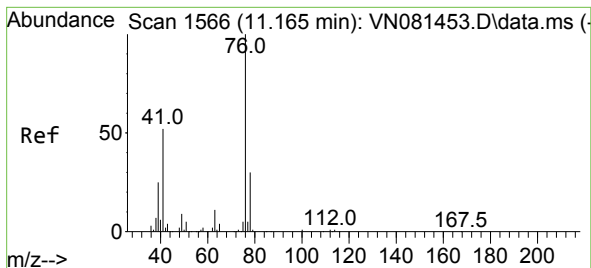
Tgt Ion: 75 Resp: 73569
 Ion Ratio Lower Upper
 75 100
 77 1.5 23.3 34.9#
 39 34.2 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.599 ug/l
 RT: 10.823 min Scan# 1508
 Delta R.T. -0.053 min
 Lab File: VN081716.D
 Acq: 12 Apr 2024 14:32

Tgt Ion: 69 Resp: 155
 Ion Ratio Lower Upper
 69 100
 41 0.0 61.0 91.6#
 39 0.0 31.8 47.6#

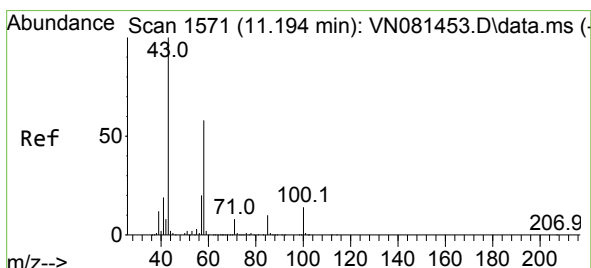
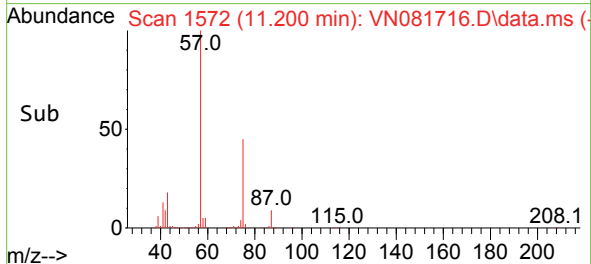
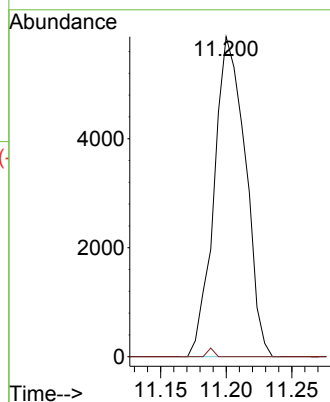
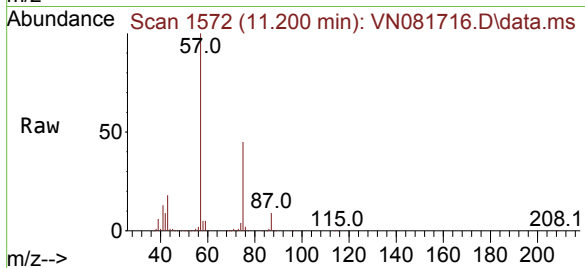




#57
1,3-Dichloropropane
Concen: 1.487 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.035 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

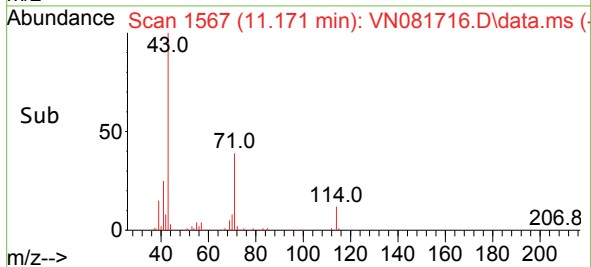
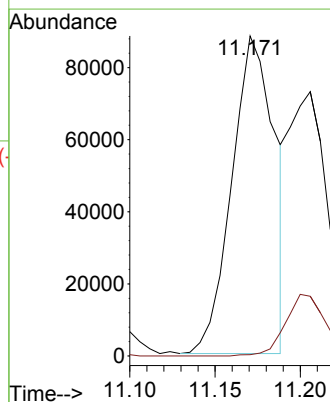
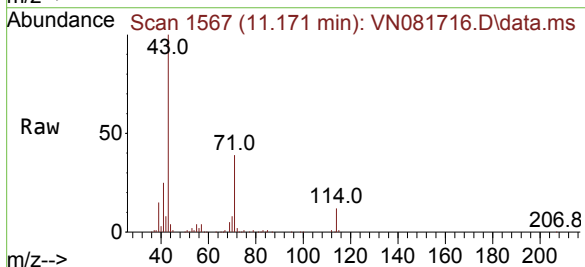
Instrument :
MSVOA_N
ClientSampleId :

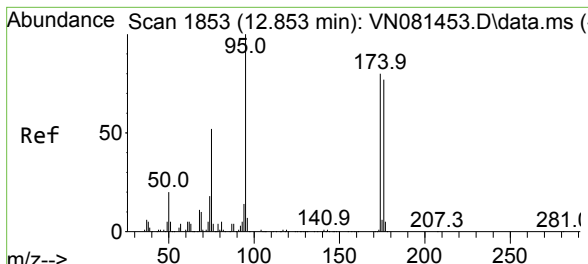
Tgt Ion: 76 Resp: 9732
Ion Ratio Lower Upper
76 100
78 0.6 25.5 38.3#



#59
2-Hexanone
Concen: 45.113 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN081716.D
Acq: 12 Apr 2024 14:32

Tgt Ion: 43 Resp: 154210
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

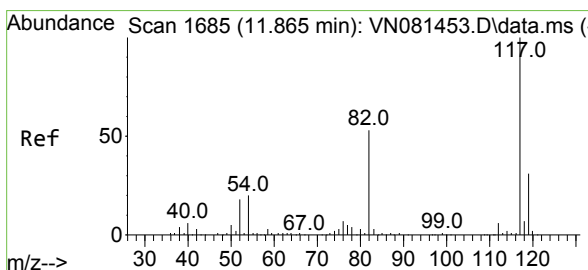
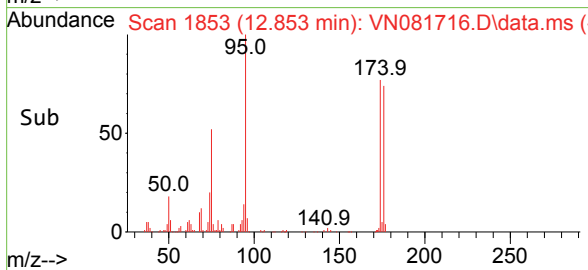
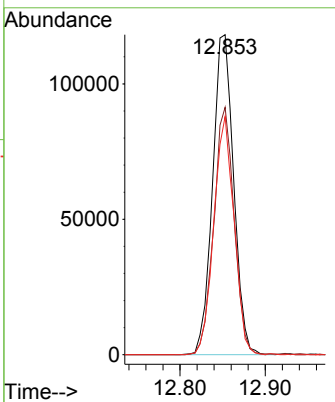
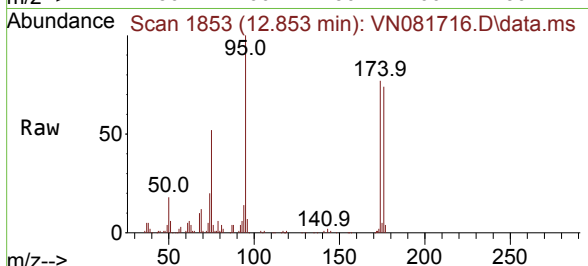




#62
 4-Bromofluorobenzene
 Concen: 50.105 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081716.D
 Acq: 12 Apr 2024 14:32

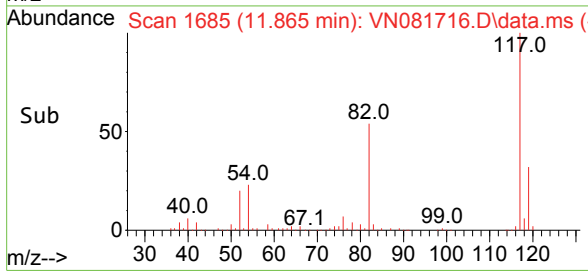
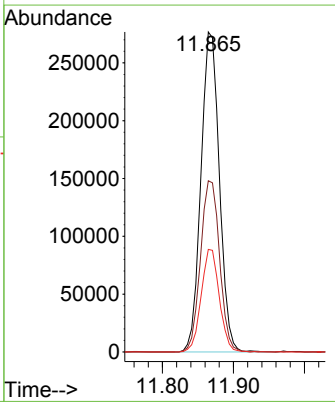
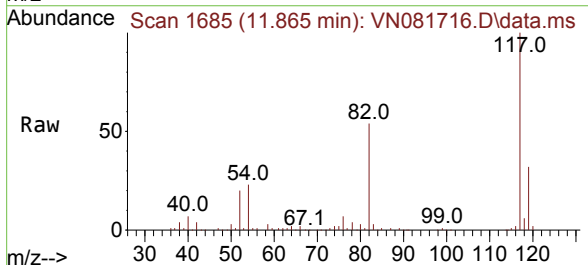
Instrument :
 MSVOA_N
 ClientSampleId :

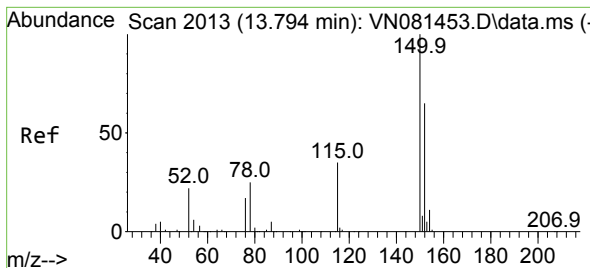
Tgt Ion:	95	Resp:	202443
Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	120.4
176	71.9	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081716.D
 Acq: 12 Apr 2024 14:32

Tgt Ion:	117	Resp:	499419
Ion	Ratio	Lower	Upper
117	100		
82	53.5	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# 20

Delta R.T. 0.000 min

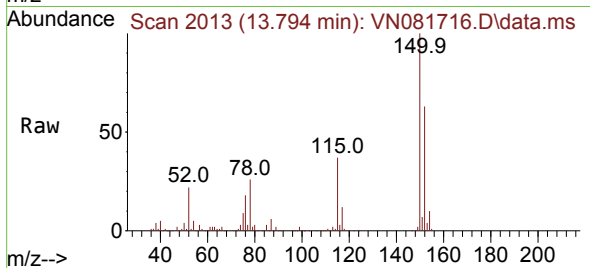
Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :



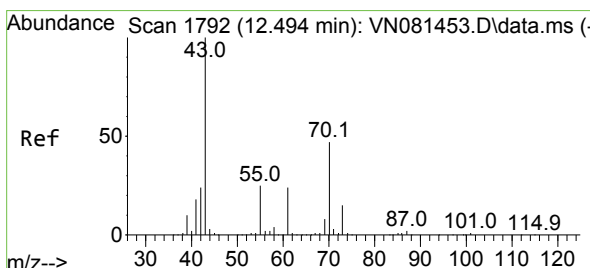
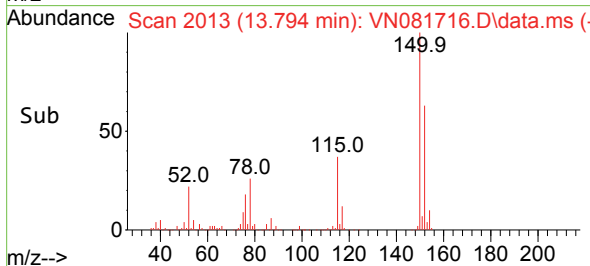
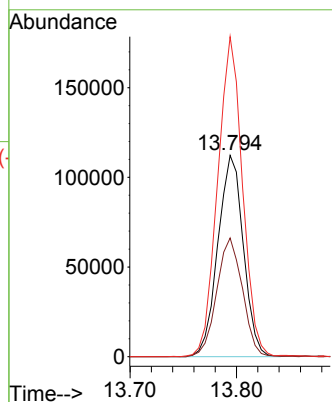
Tgt Ion:152 Resp: 186415

Ion Ratio Lower Upper

152 100

115 59.4 32.3 96.8

150 154.9 0.0 339.8



#74

N-ethyl acetate

Concen: 0.345 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN081716.D

Acq: 12 Apr 2024 14:32

Tgt Ion: 43 Resp: 1983

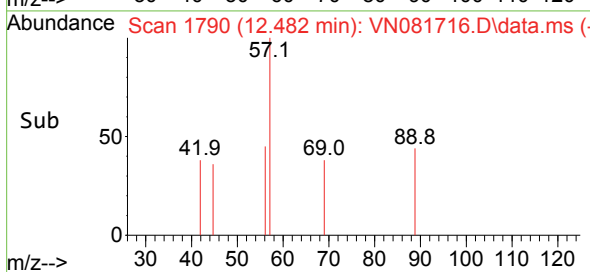
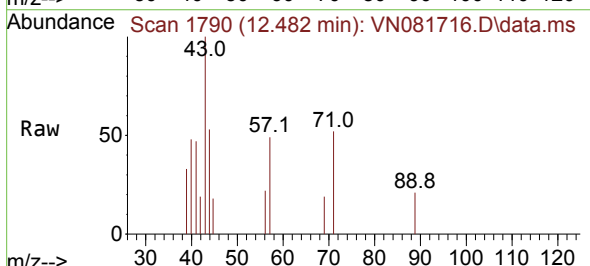
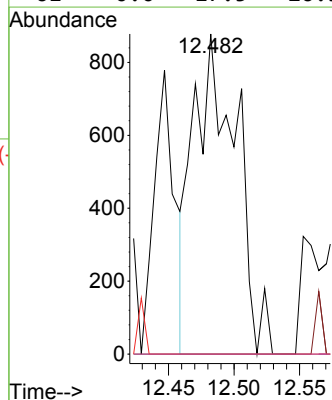
Ion Ratio Lower Upper

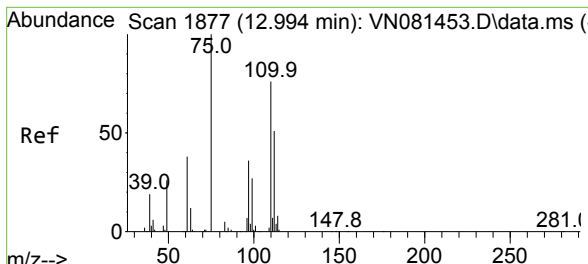
43 100

70 0.0 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#

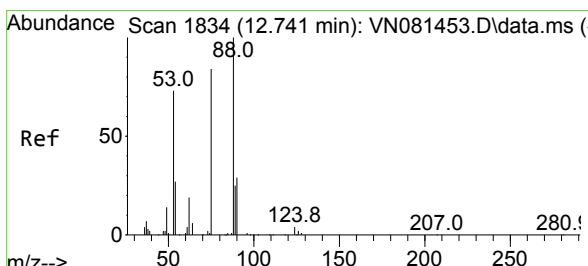
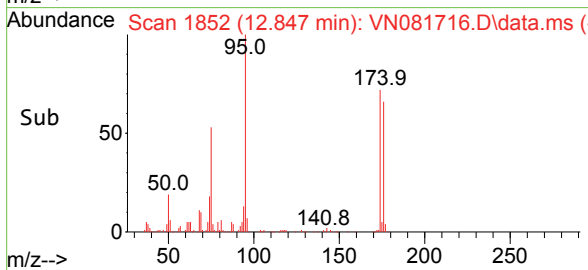
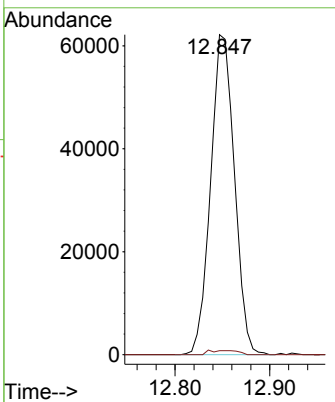
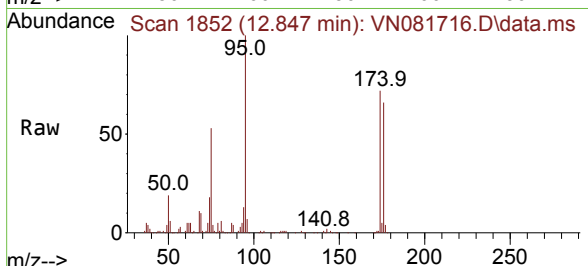




#76
 1,2,3-Trichloropropane
 Concen: 24.353 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081716.D
 Acq: 12 Apr 2024 14:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 108592
 Ion Ratio Lower Upper
 75 100
 77 1.6 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.809 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081716.D
 Acq: 12 Apr 2024 14:32

Tgt Ion: 75 Resp: 108592
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.4 107.2#
 89 0.0 33.4 50.0#

