

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082718.D
 Acq On : 25 Jun 2024 15:22
 Operator : JC\MD
 Sample : PB161676ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

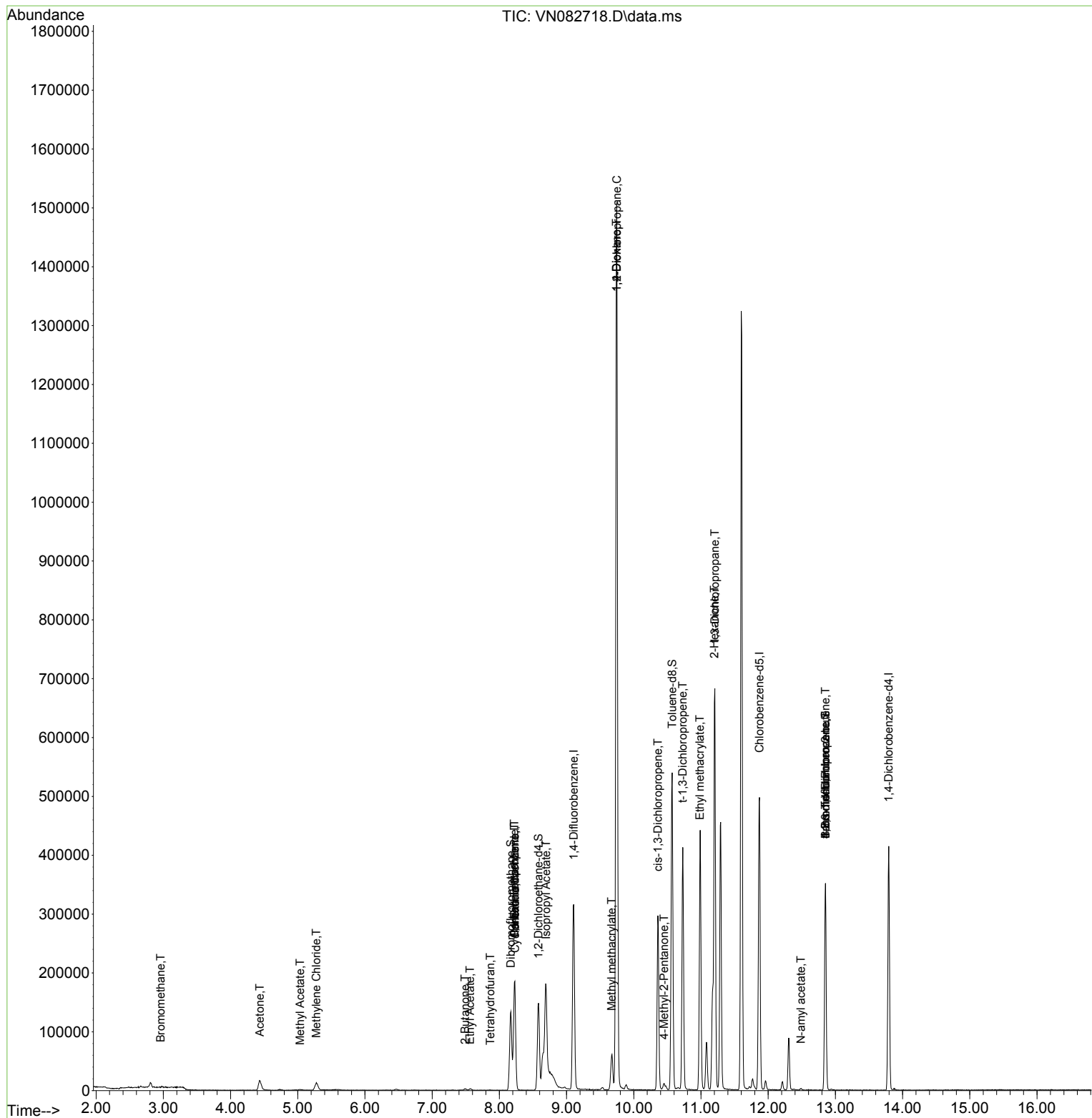
Quant Time: Jun 26 01:23:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

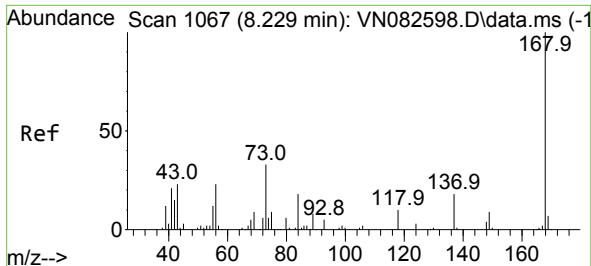
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	128731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	253339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	267582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	123936	60.036	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.080%	
35) Dibromofluoromethane	8.171	113	92871	54.038	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.080%	
50) Toluene-d8	10.571	98	346520	53.317	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.640%	
62) 4-Bromofluorobenzene	12.853	95	110586	49.353	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 98.700%	
Target Compounds						Qvalue
5) Bromomethane	2.959	94	471	0.357	ug/l	87
16) Acetone	4.436	43	32734	34.866	ug/l	99
18) Methyl Acetate	5.036	43	3318	1.445	ug/l #	63
20) Methylene Chloride	5.277	84	9019	5.464	ug/l	97
25) 2-Butanone	7.488	43	4542	3.404	ug/l	96
29) Tetrahydrofuran	7.865	42	457	0.559	ug/l #	55
31) Cyclohexane	8.235	56	3762	1.263	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12142	4.726	ug/l #	50
37) Ethyl Acetate	7.565	43	4225	1.291	ug/l #	87
38) Carbon Tetrachloride	8.224	117	13904	4.802	ug/l #	17
43) Isopropyl Acetate	8.694	43	321488	52.565	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	1731	0.847	ug/l #	44
48) Methyl methacrylate	9.671	41	4727	1.875	ug/l #	51
49) 1,4-Dioxane	9.741	88	141	3.575	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	12245	3.903	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	827	0.274	ug/l #	27
54) cis-1,3-Dichloropropene	10.359	75	44792	14.348	ug/l #	66
56) Ethyl methacrylate	10.982	69	2155	0.747	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6311	1.961	ug/l #	43
59) 2-Hexanone	11.200	43	101565	42.598	ug/l #	55
71) Bromoform	12.853	173	1167	0.675	ug/l #	1
74) N-amyl acetate	12.488	43	1240	0.296	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	64019	25.345	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64019	60.635	ug/l #	6

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

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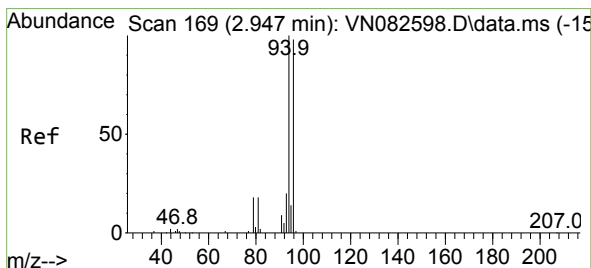
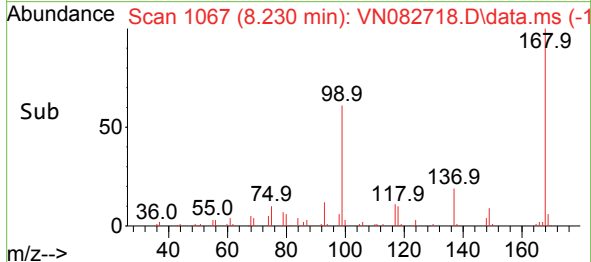
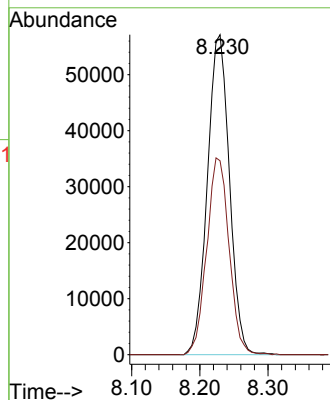
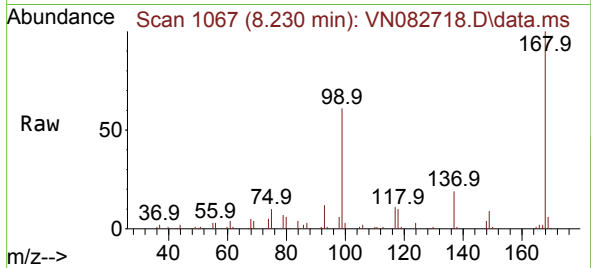




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

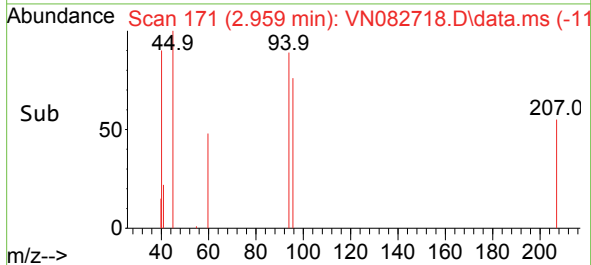
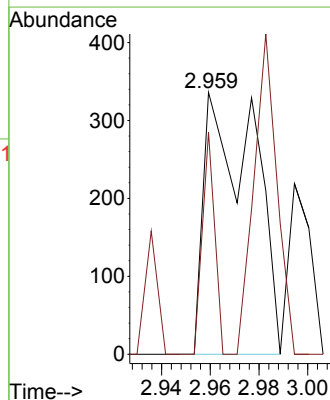
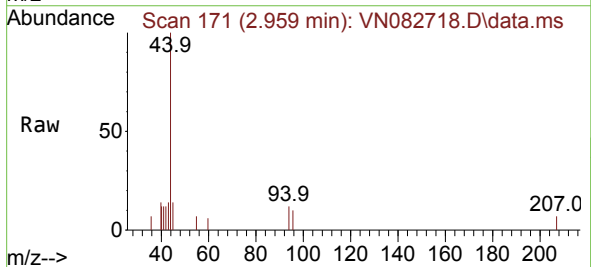
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 128731
Ion Ratio Lower Upper
168 100
99 60.6 48.2 72.4



#5
Bromomethane
Concen: 0.357 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.012 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Tgt Ion: 94 Resp: 471
Ion Ratio Lower Upper
94 100
96 84.8 78.0 117.0

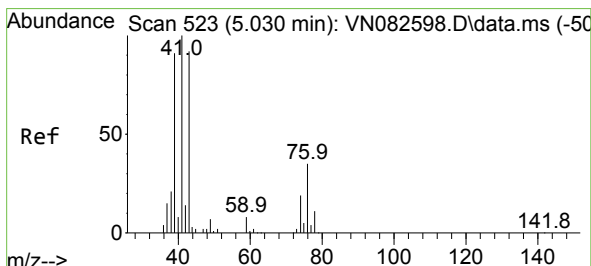
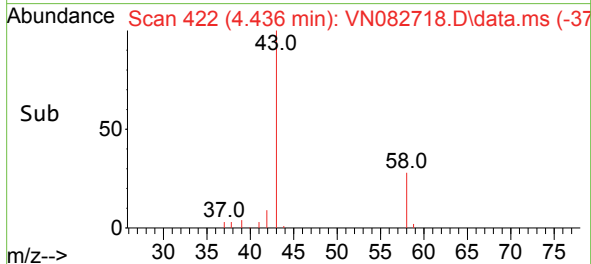
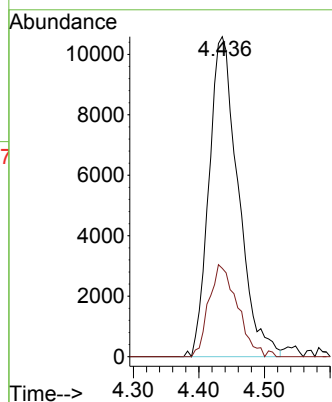
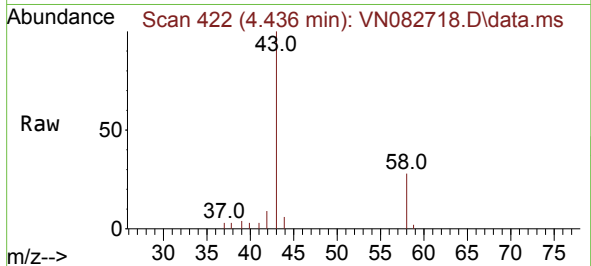




#16
Acetone
Concen: 34.866 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

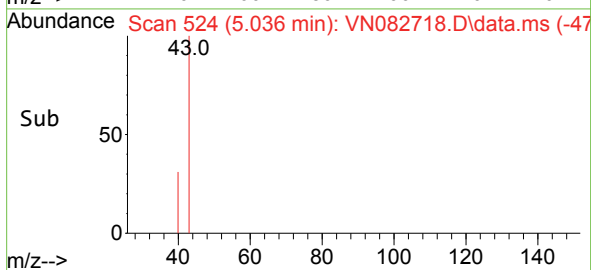
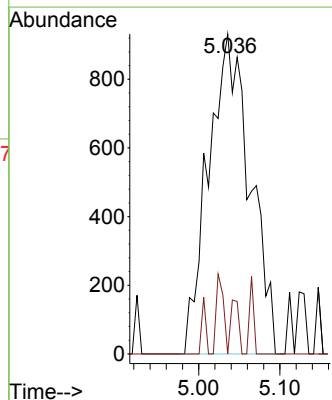
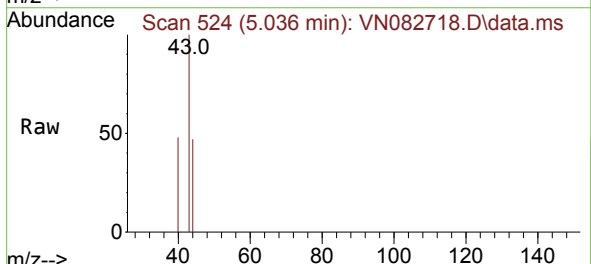
Instrument :
MSVOA_N
ClientSampleId :

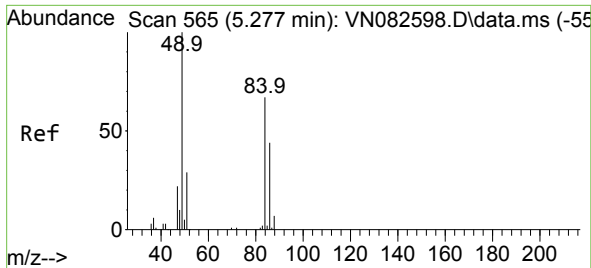
Tgt Ion: 43 Resp: 32734
Ion Ratio Lower Upper
43 100
58 27.6 21.8 32.6



#18
Methyl Acetate
Concen: 1.445 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

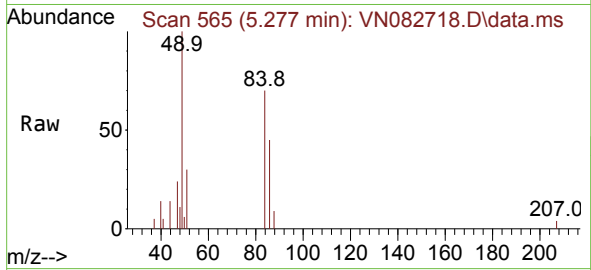
Tgt Ion: 43 Resp: 3318
Ion Ratio Lower Upper
43 100
74 3.3 16.3 24.5#



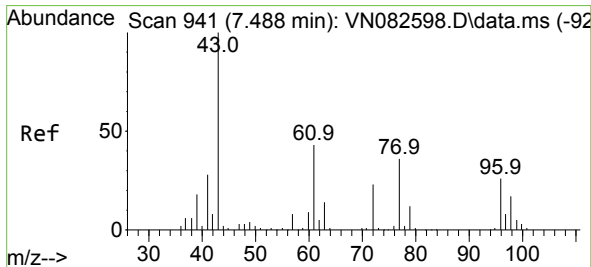
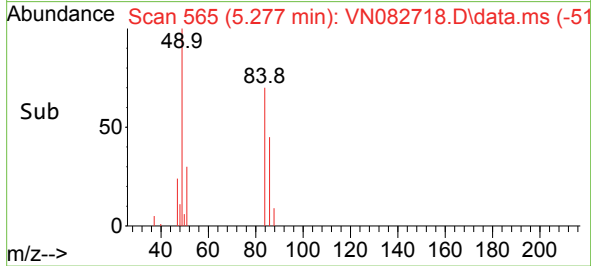
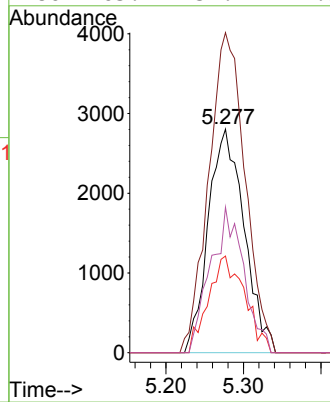


#20
Methylene Chloride
Concen: 5.464 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

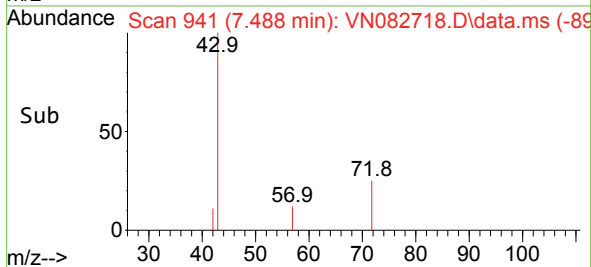
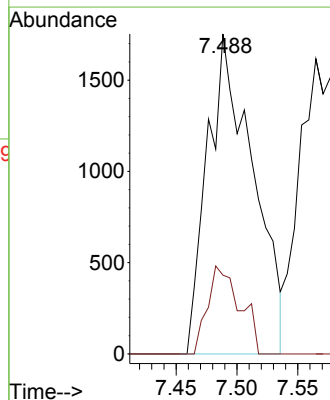
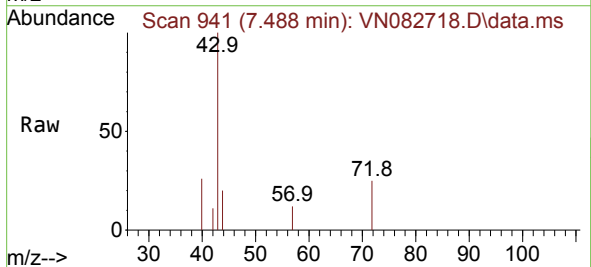


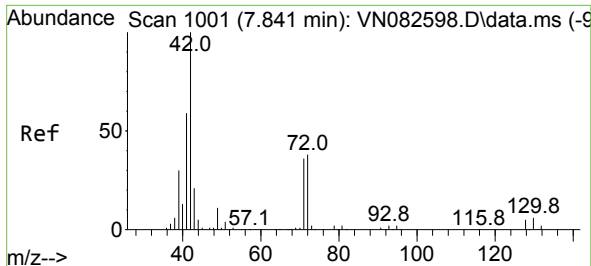
Tgt Ion:	84	Resp:	9019
Ion	Ratio	Lower	Upper
84	100		
49	143.2	119.6	179.4
51	43.2	34.8	52.2
86	65.1	52.9	79.3



#25
2-Butanone
Concen: 3.404 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Tgt Ion:	43	Resp:	4542
Ion	Ratio	Lower	Upper
43	100		
72	24.6	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.559 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.024 min

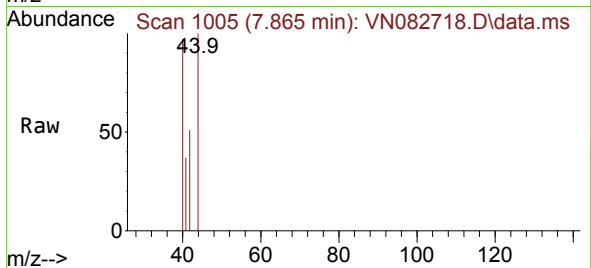
Lab File: VN082718.D

Acq: 25 Jun 2024 15:22

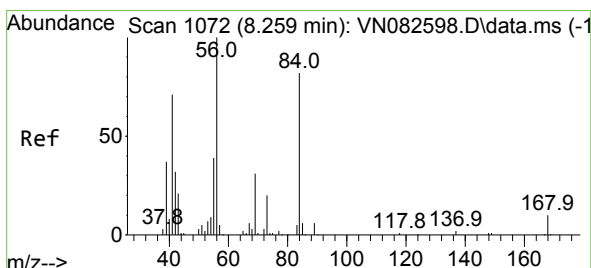
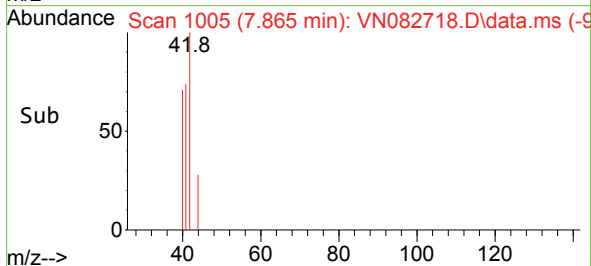
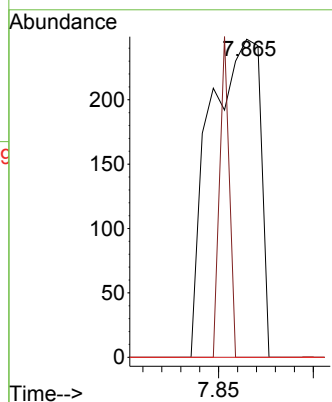
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	457
Ion	Ratio	Lower	Upper
42	100		
72	19.3	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.263 ug/l

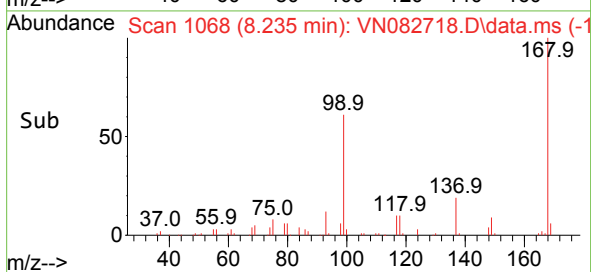
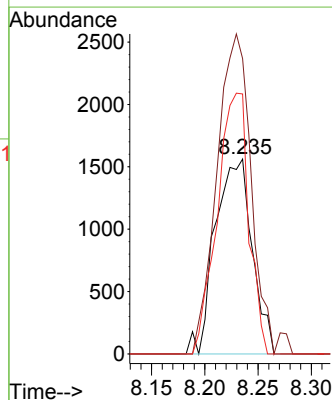
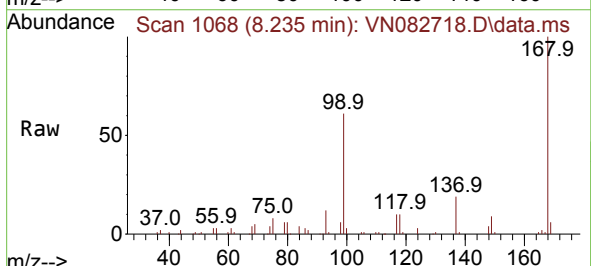
RT: 8.235 min Scan# 1068

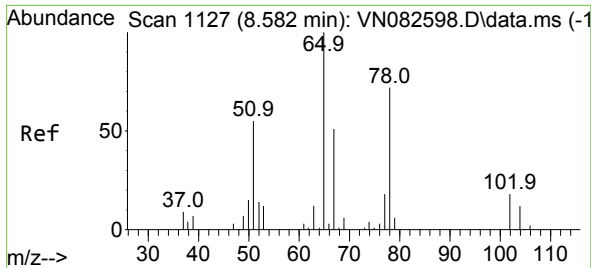
Delta R.T. -0.023 min

Lab File: VN082718.D

Acq: 25 Jun 2024 15:22

Tgt Ion:	56	Resp:	3762
Ion	Ratio	Lower	Upper
56	100		
69	151.5	24.5	36.7#
84	133.4	66.0	99.0#

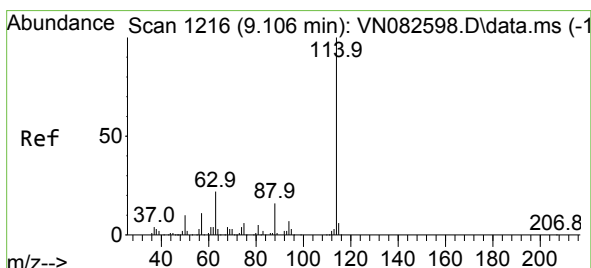
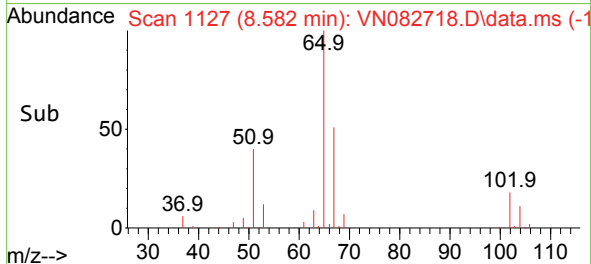
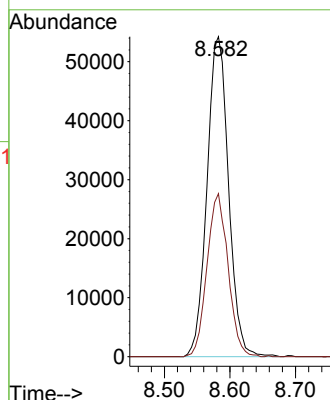
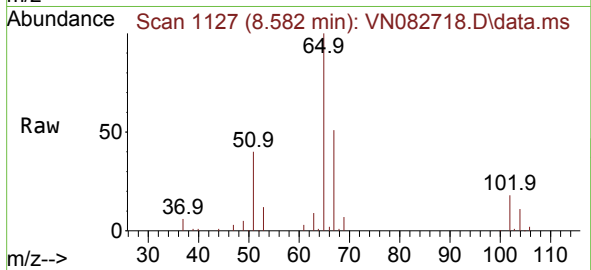




#33
 1,2-Dichloroethane-d4
 Concen: 60.036 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082718.D
 Acq: 25 Jun 2024 15:22

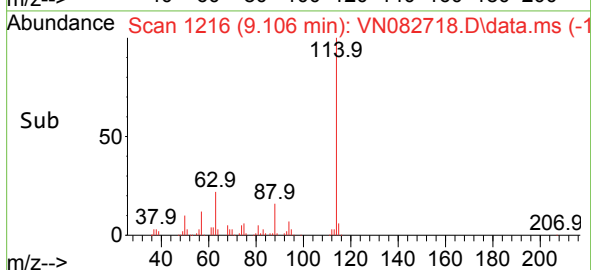
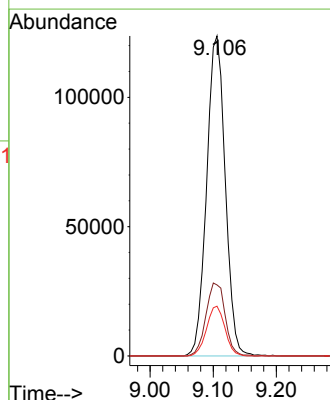
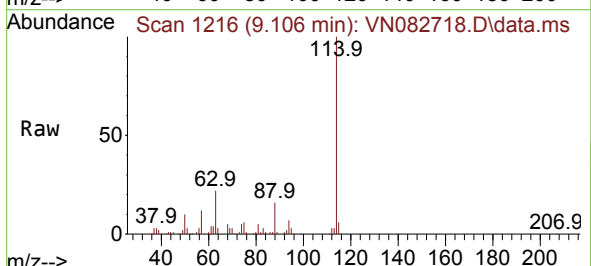
Instrument :
 MSVOA_N
 ClientSampleId :

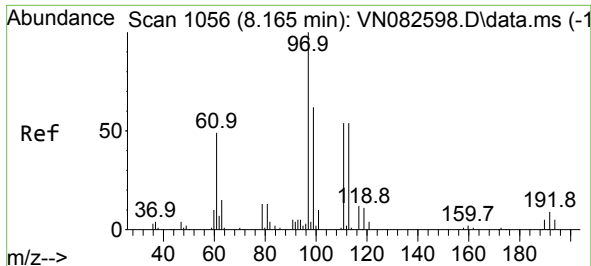
Tgt Ion: 65 Resp: 123936
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082718.D
 Acq: 25 Jun 2024 15:22

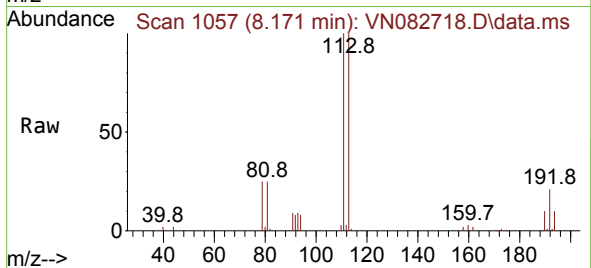
Tgt Ion: 114 Resp: 253339
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.6
 88 15.6 0.0 31.4



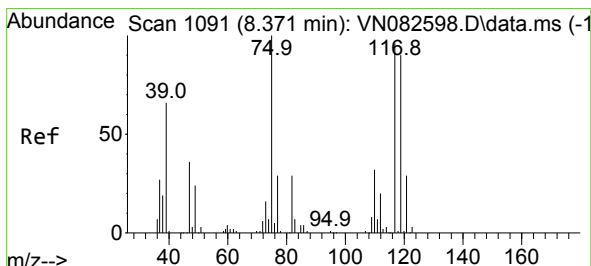
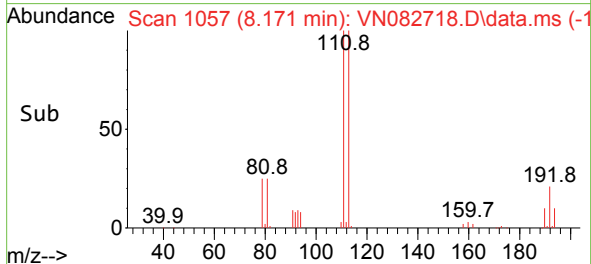
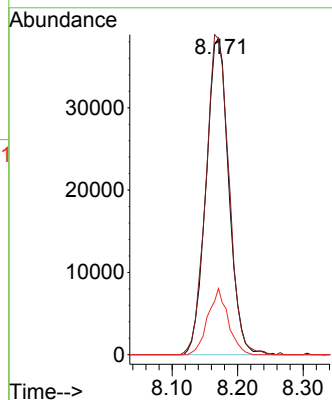


#35
Dibromofluoromethane
Concen: 54.038 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

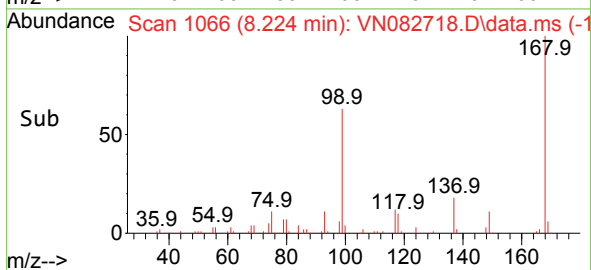
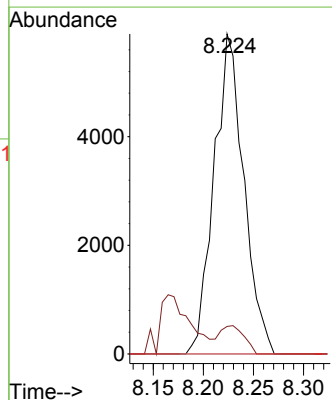
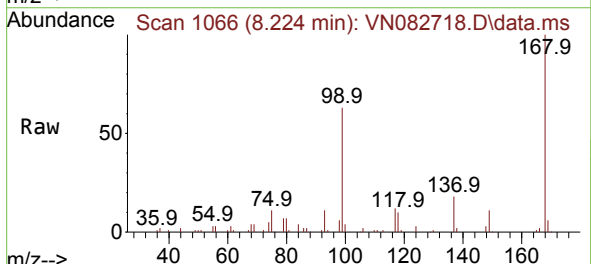


Tgt Ion:113 Resp: 92871
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 18.5 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.726 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Tgt Ion: 75 Resp: 12142
Ion Ratio Lower Upper
75 100
110 7.7 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.291 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.000 min

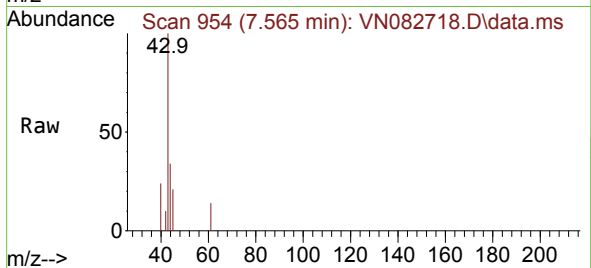
Lab File: VN082718.D

Acq: 25 Jun 2024 15:22

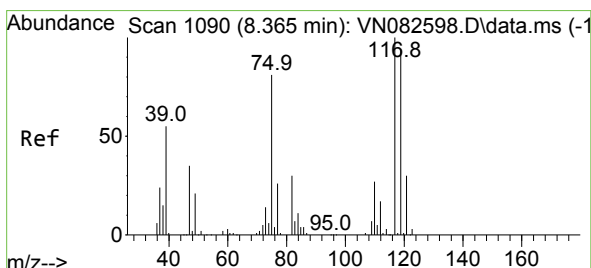
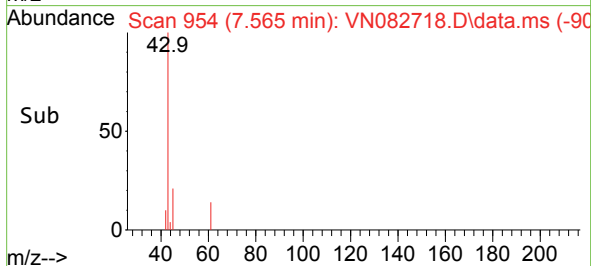
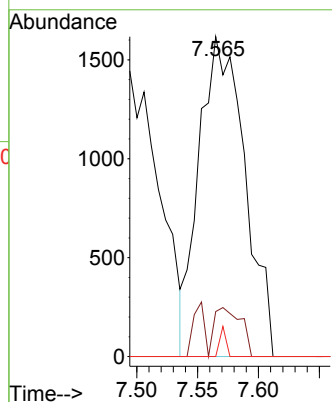
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4225
Ion	Ratio	Lower	Upper
43	100		
61	9.0	9.3	13.9#
70	1.3	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 4.802 ug/l

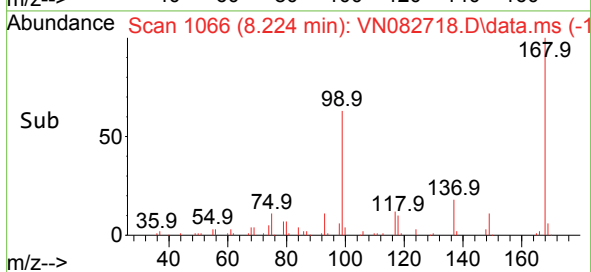
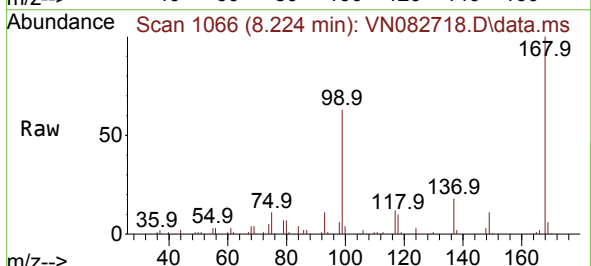
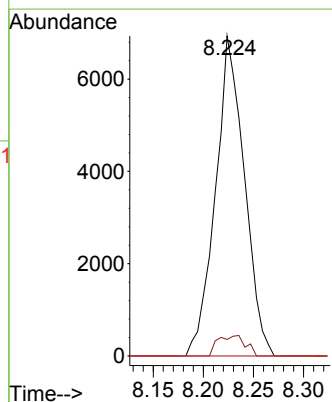
RT: 8.224 min Scan# 1066

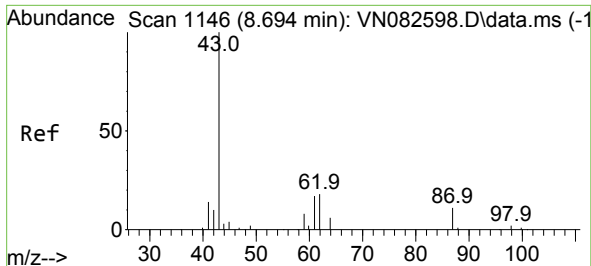
Delta R.T. -0.141 min

Lab File: VN082718.D

Acq: 25 Jun 2024 15:22

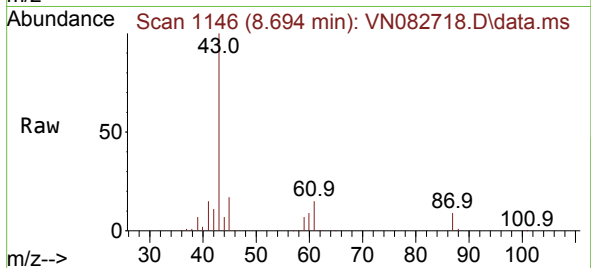
Tgt Ion:	117	Resp:	13904
Ion	Ratio	Lower	Upper
117	100		
119	5.2	74.9	112.3#
121	0.0	24.3	36.5#



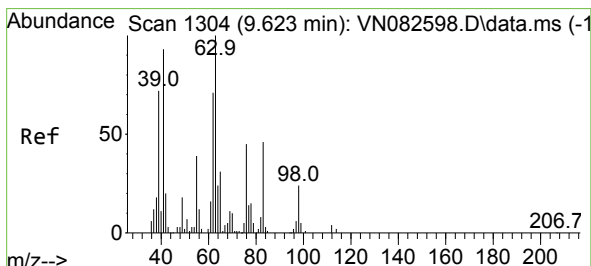
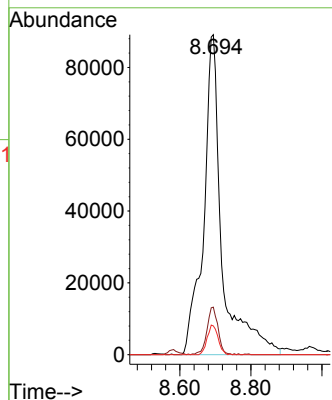
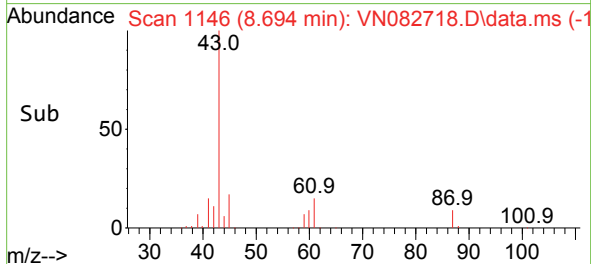


#43
Isopropyl Acetate
Concen: 52.565 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

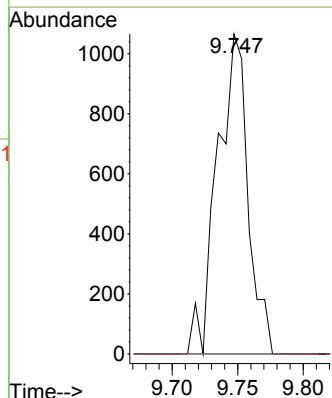
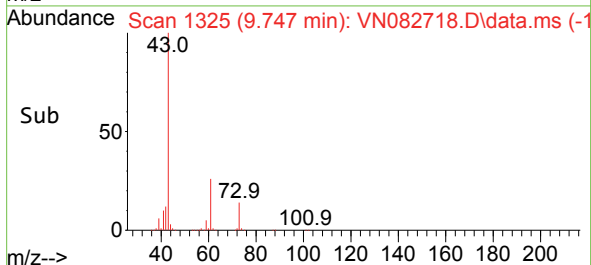
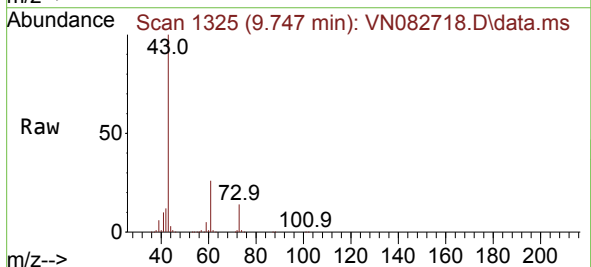


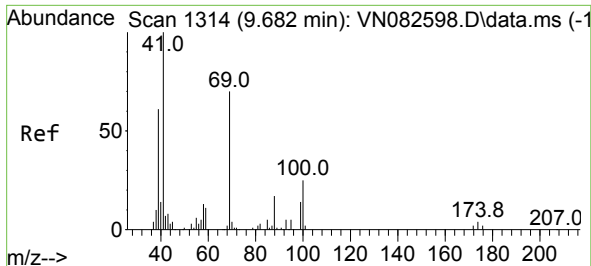
Tgt Ion: 43 Resp: 321488
Ion Ratio Lower Upper
43 100
61 8.9 17.8 26.6#
87 5.5 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.847 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Tgt Ion: 63 Resp: 1731
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

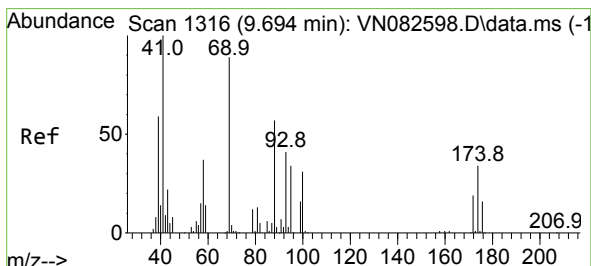
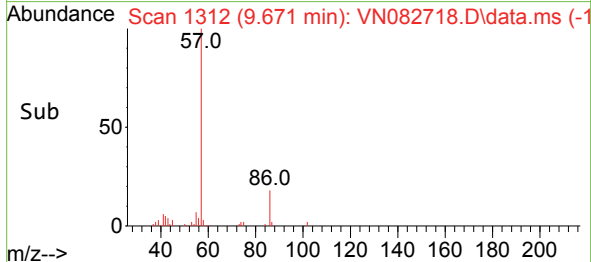
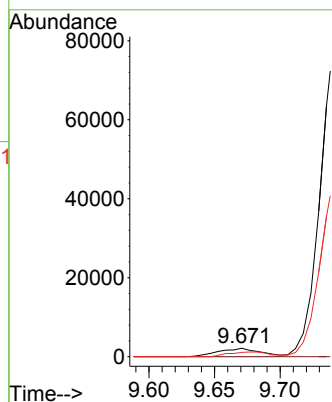
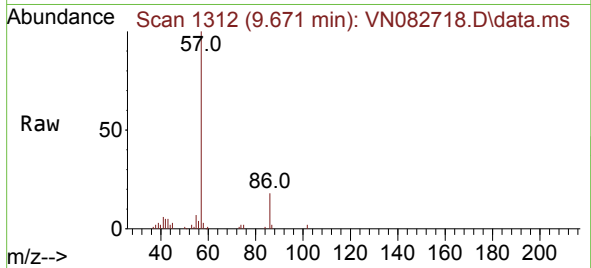




#48
Methyl methacrylate
Concen: 1.875 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.011 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

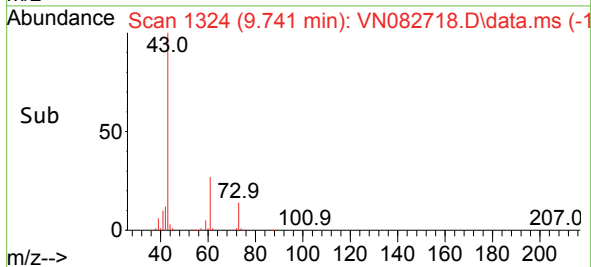
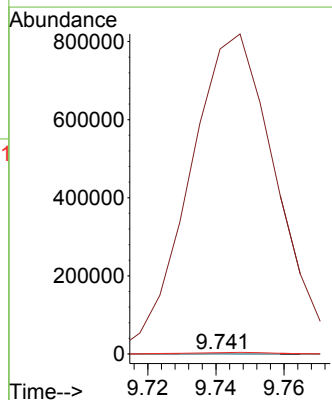
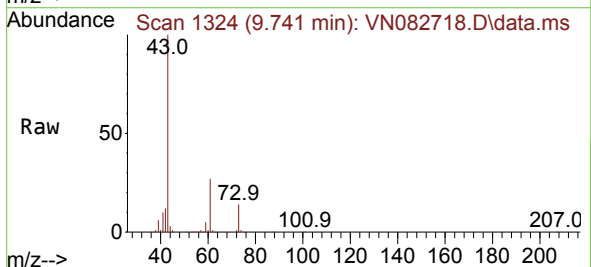
Instrument :
MSVOA_N
ClientSampleId :

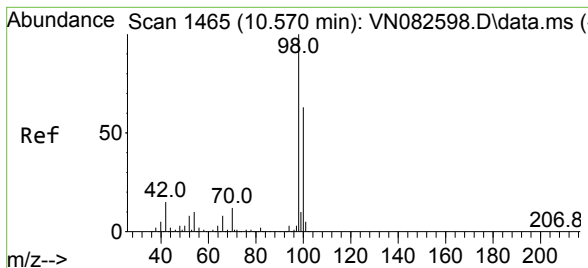
Tgt Ion: 41 Resp: 4727
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 57.2 50.3 75.5



#49
1,4-Dioxane
Concen: 3.575 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Tgt Ion: 88 Resp: 141
Ion Ratio Lower Upper
88 100
43 1034845.4 27.8 41.8#
58 5051.8 59.4 89.0#

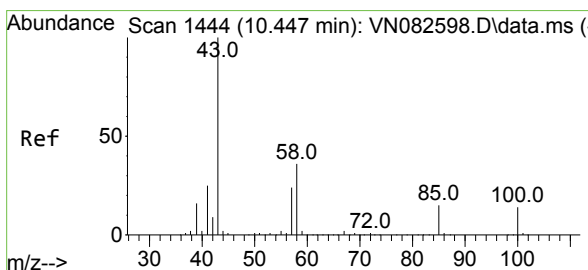
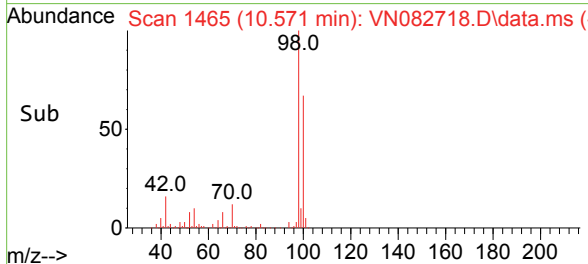
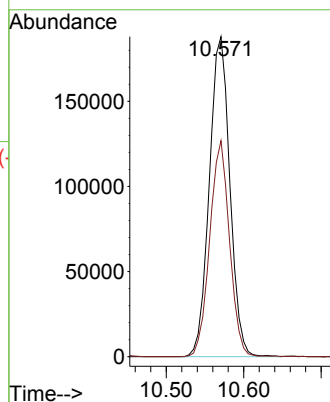
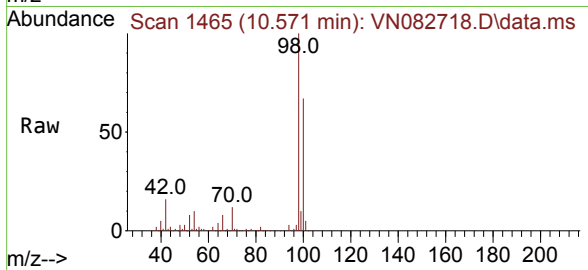




#50
Toluene-d8
Concen: 53.317 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

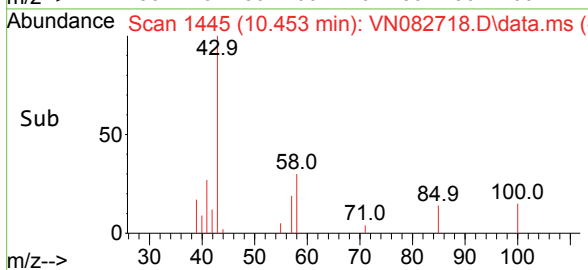
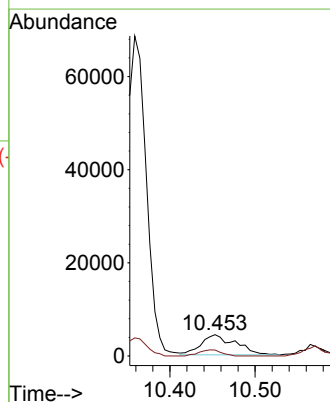
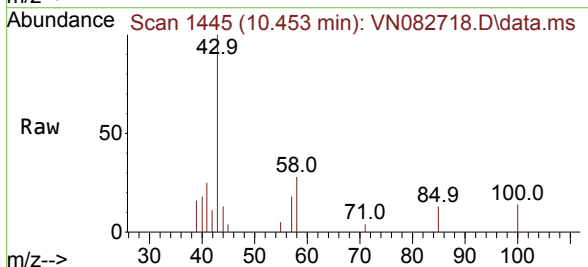
Instrument :
MSVOA_N
ClientSampleId :

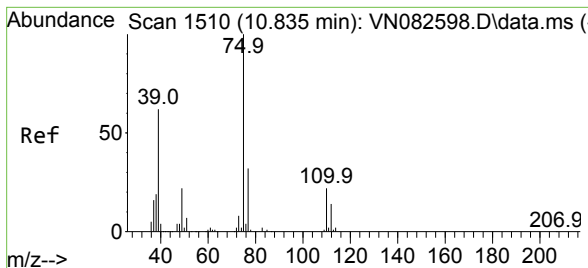
Tgt Ion: 98 Resp: 346520
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.903 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

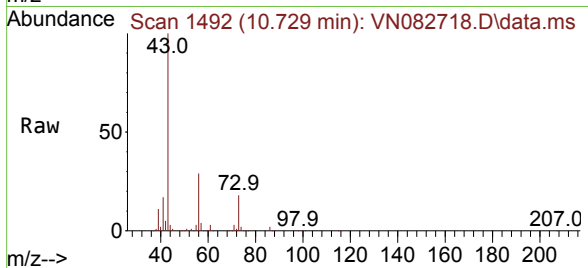
Tgt Ion: 43 Resp: 12245
Ion Ratio Lower Upper
43 100
58 19.4 28.2 42.4#



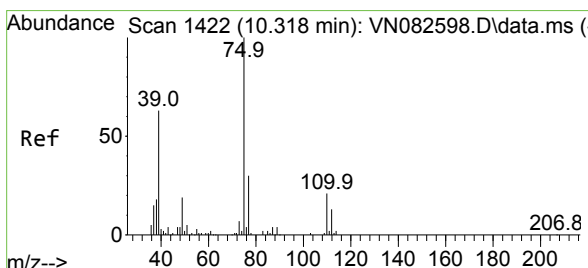
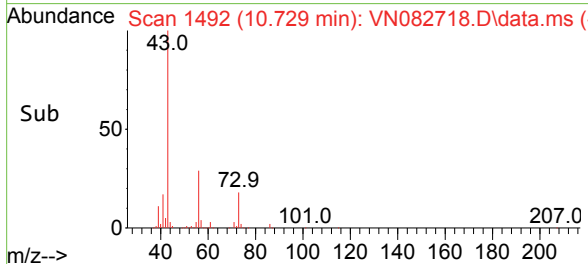
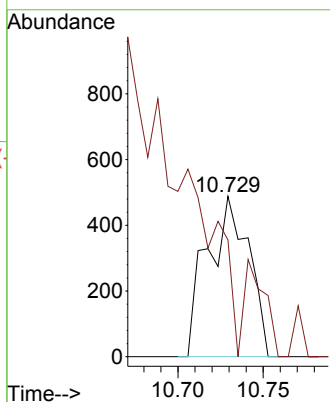


#53
 t-1,3-Dichloropropene
 Concen: 0.274 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082718.D
 Acq: 25 Jun 2024 15:22

Instrument :
 MSVOA_N
 ClientSampleId :

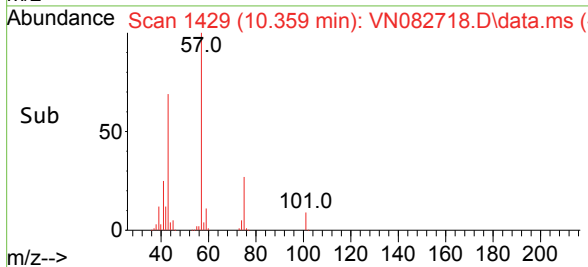
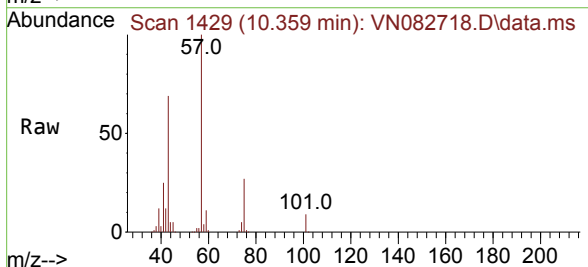
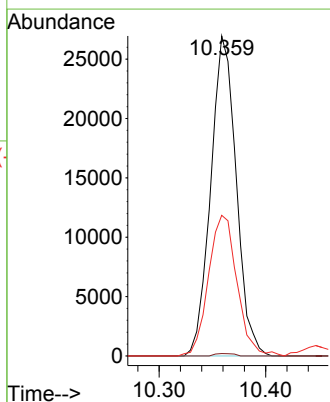


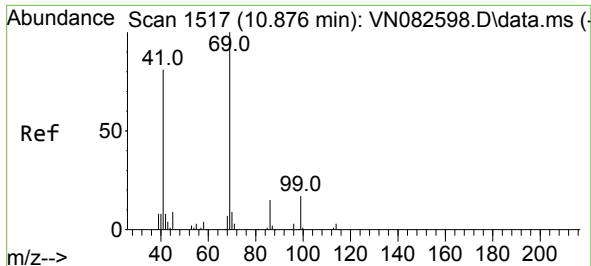
Tgt Ion: 75 Resp: 827
 Ion Ratio Lower Upper
 75 100
 77 72.7 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.348 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082718.D
 Acq: 25 Jun 2024 15:22

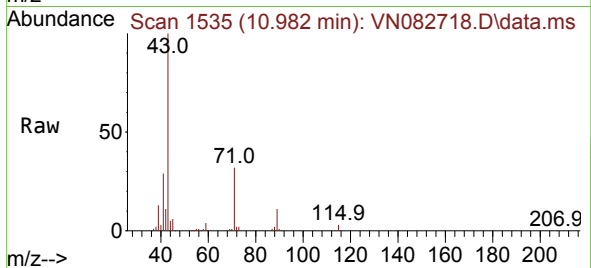
Tgt Ion: 75 Resp: 44792
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.3 36.5#
 39 44.0 50.5 75.7#



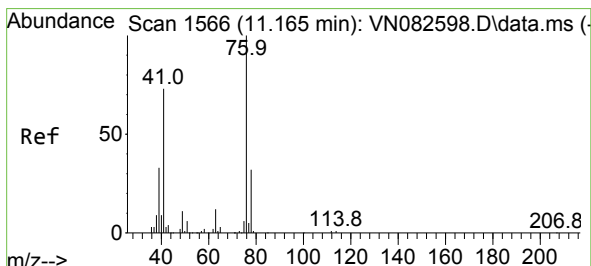
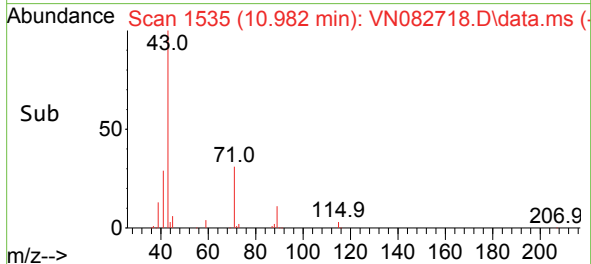
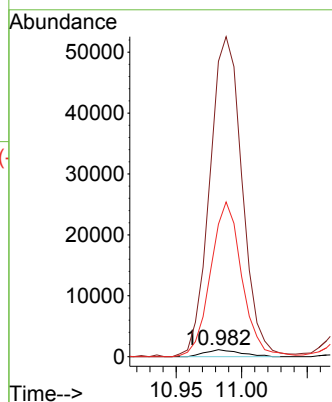


#56
Ethyl methacrylate
Concen: 0.747 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

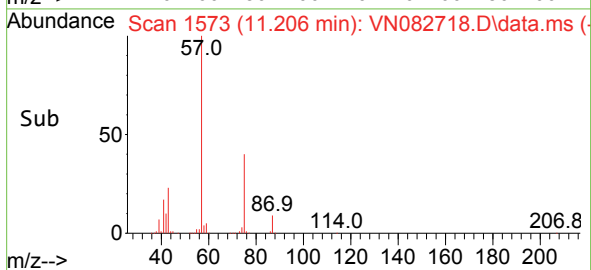
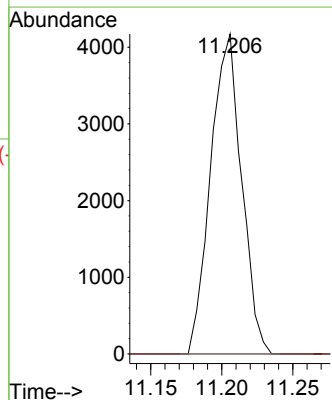
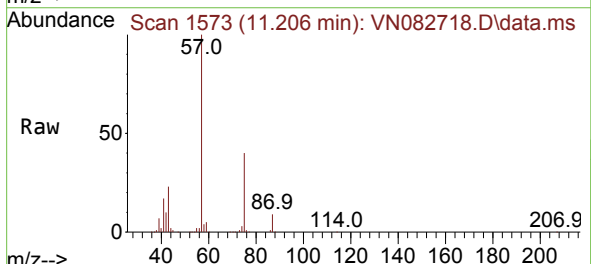


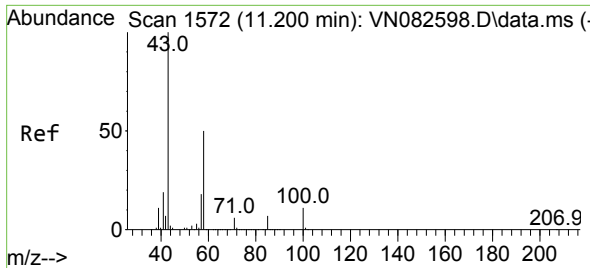
Tgt Ion: 69 Resp: 2155
Ion Ratio Lower Upper
69 100
41 4196.5 63.4 95.2#
39 1959.5 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.961 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Tgt Ion: 76 Resp: 6311
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

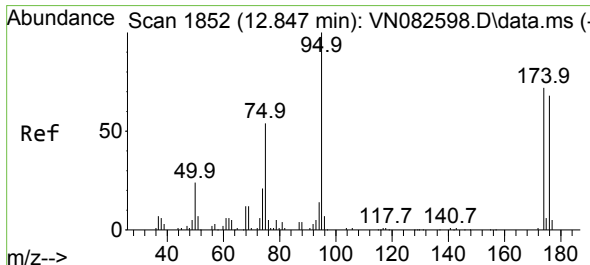
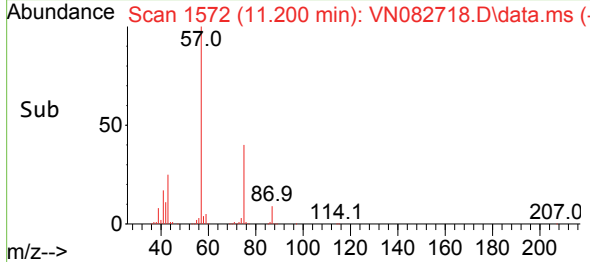
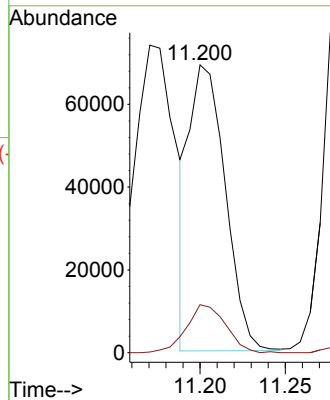
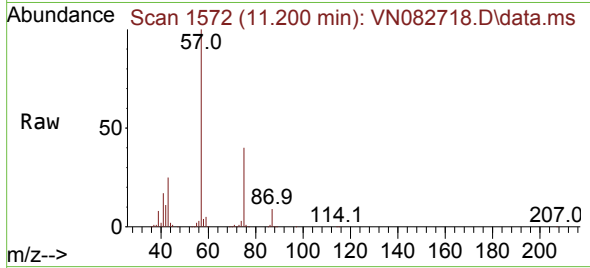




#59
2-Hexanone
Concen: 42.598 ug/l
RT: 11.200 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

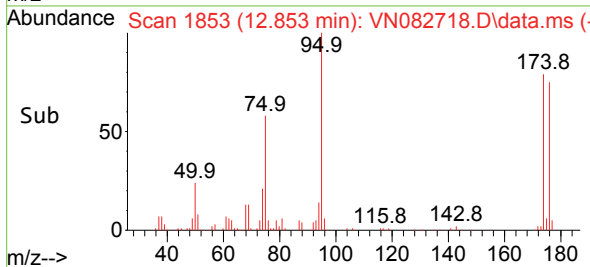
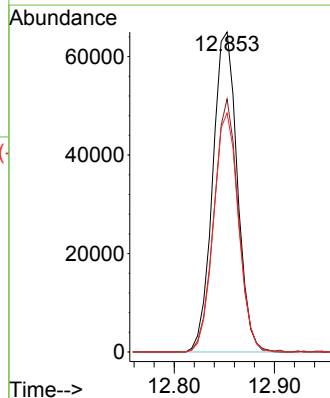
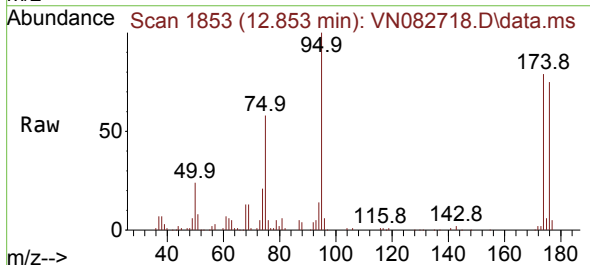
Instrument :
MSVOA_N
ClientSampleId :

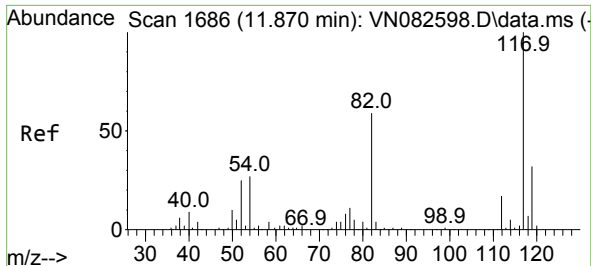
Tgt Ion: 43 Resp: 101565
Ion Ratio Lower Upper
43 100
58 18.3 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 49.353 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Tgt Ion: 95 Resp: 110586
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.2
176 75.6 0.0 147.6

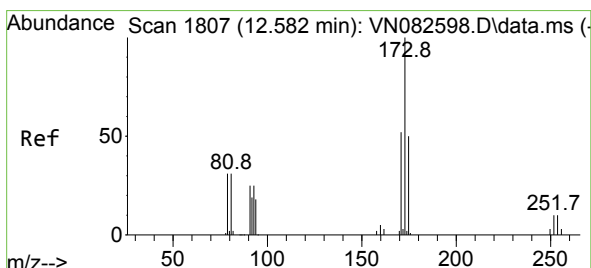
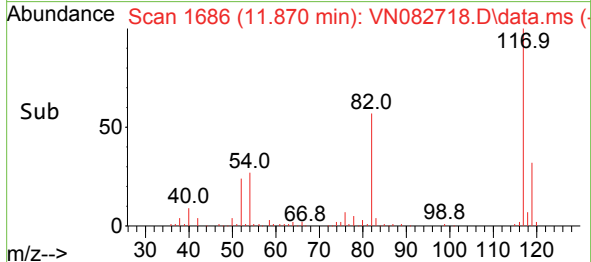
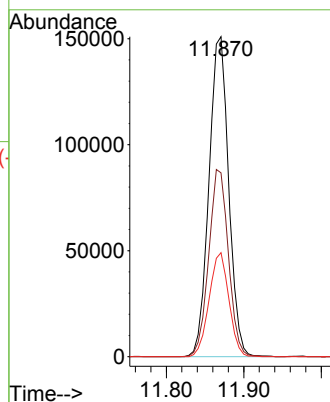
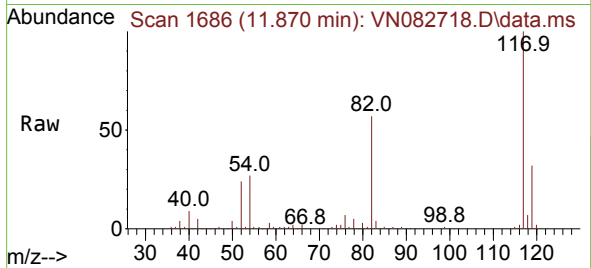




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

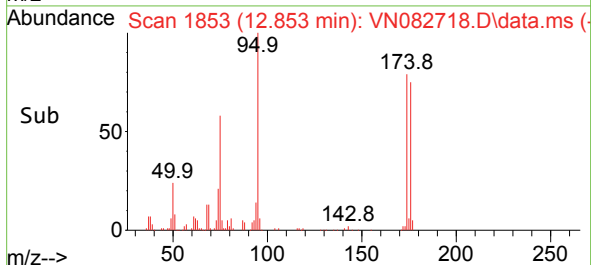
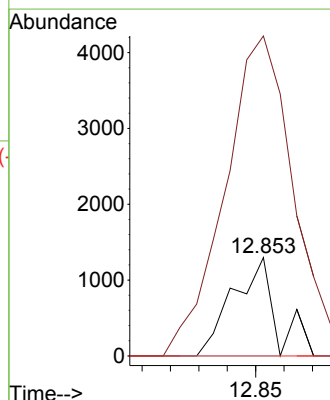
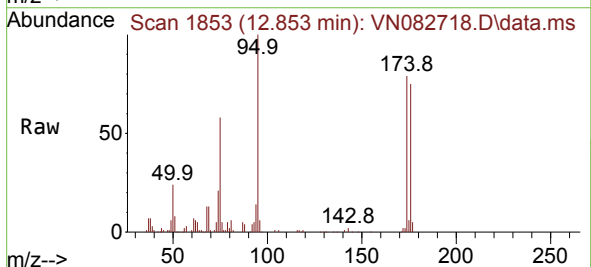
Instrument :
MSVOA_N
ClientSampleId :

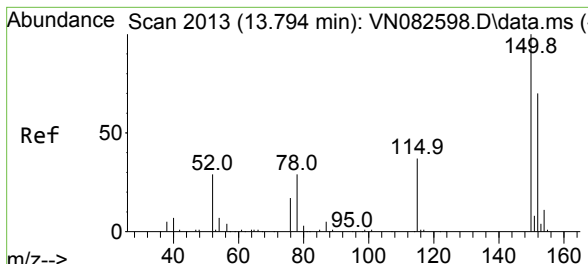
Tgt Ion:117 Resp: 267582
Ion Ratio Lower Upper
117 100
82 57.4 47.5 71.3
119 32.5 25.6 38.4



#71
Bromoform
Concen: 0.675 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

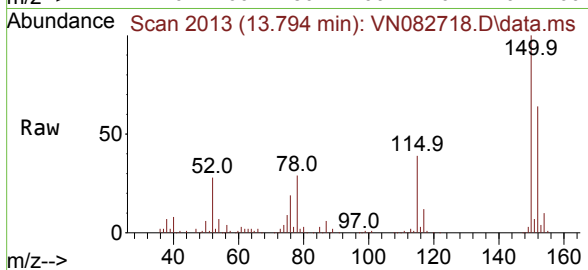
Tgt Ion:173 Resp: 1167
Ion Ratio Lower Upper
173 100
175 502.6 24.0 72.0#
254 0.0 0.0 0.0



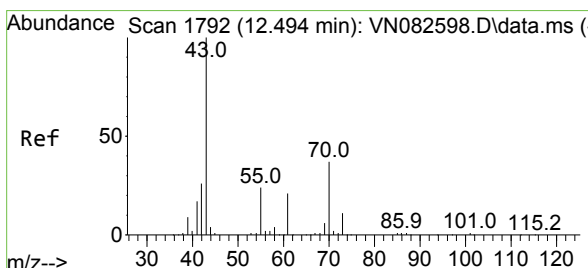
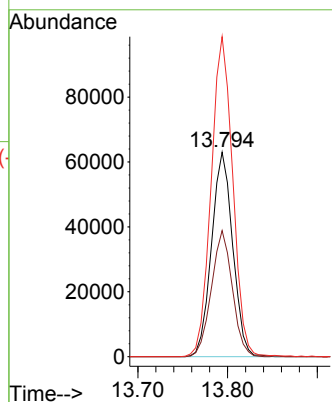
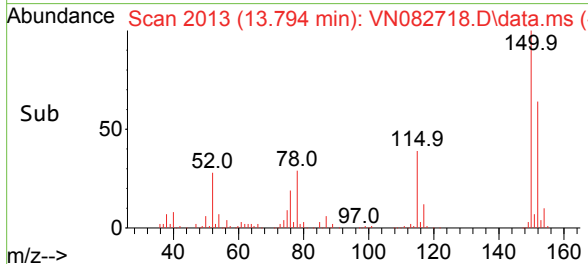


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082718.D
 Acq: 25 Jun 2024 15:22

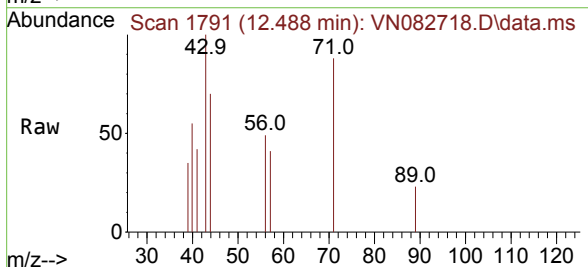
Instrument :
 MSVOA_N
 ClientSampleId :



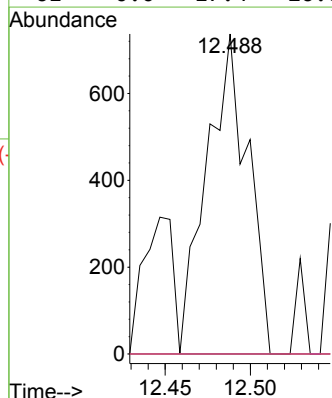
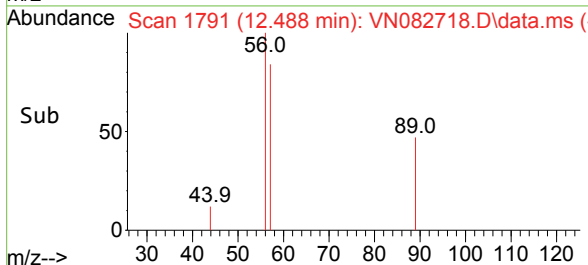
Tgt Ion:152 Resp: 103274
 Ion Ratio Lower Upper
 152 100
 115 60.8 30.6 91.6
 150 159.4 0.0 348.6

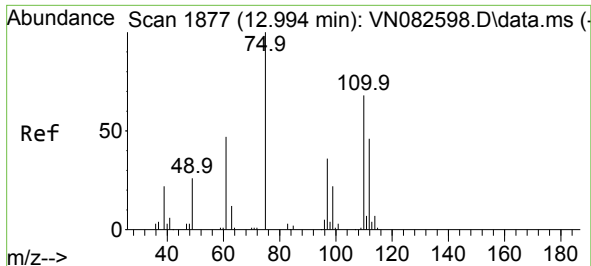


#74
 N-ethyl acetate
 Concen: 0.296 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082718.D
 Acq: 25 Jun 2024 15:22



Tgt Ion: 43 Resp: 1240
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 0.0 18.7 28.1#
 61 0.0 17.4 26.0#

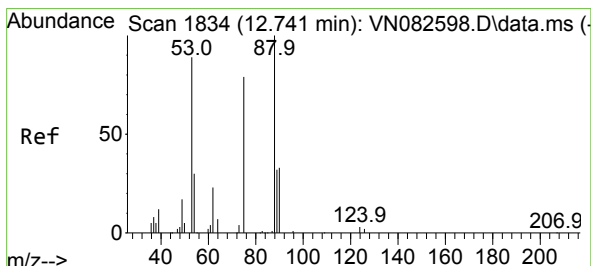
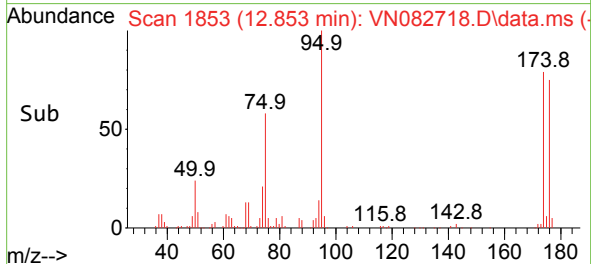
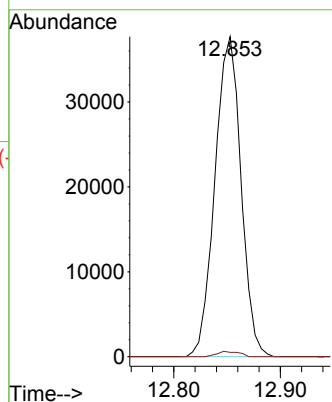
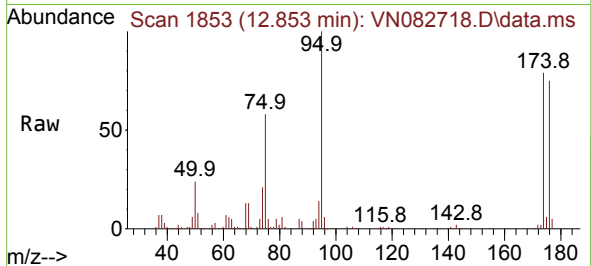




#76
1,2,3-Trichloropropane
Concen: 25.345 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64019
Ion Ratio Lower Upper
75 100
77 1.4 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.635 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082718.D
Acq: 25 Jun 2024 15:22

Tgt Ion: 75 Resp: 64019
Ion Ratio Lower Upper
75 100
53 0.2 88.4 132.6#
89 0.0 36.3 54.5#

