

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082688.D
 Acq On : 21 Jun 2024 19:25
 Operator : JC\MD
 Sample : P2998-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 02:17:23 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)

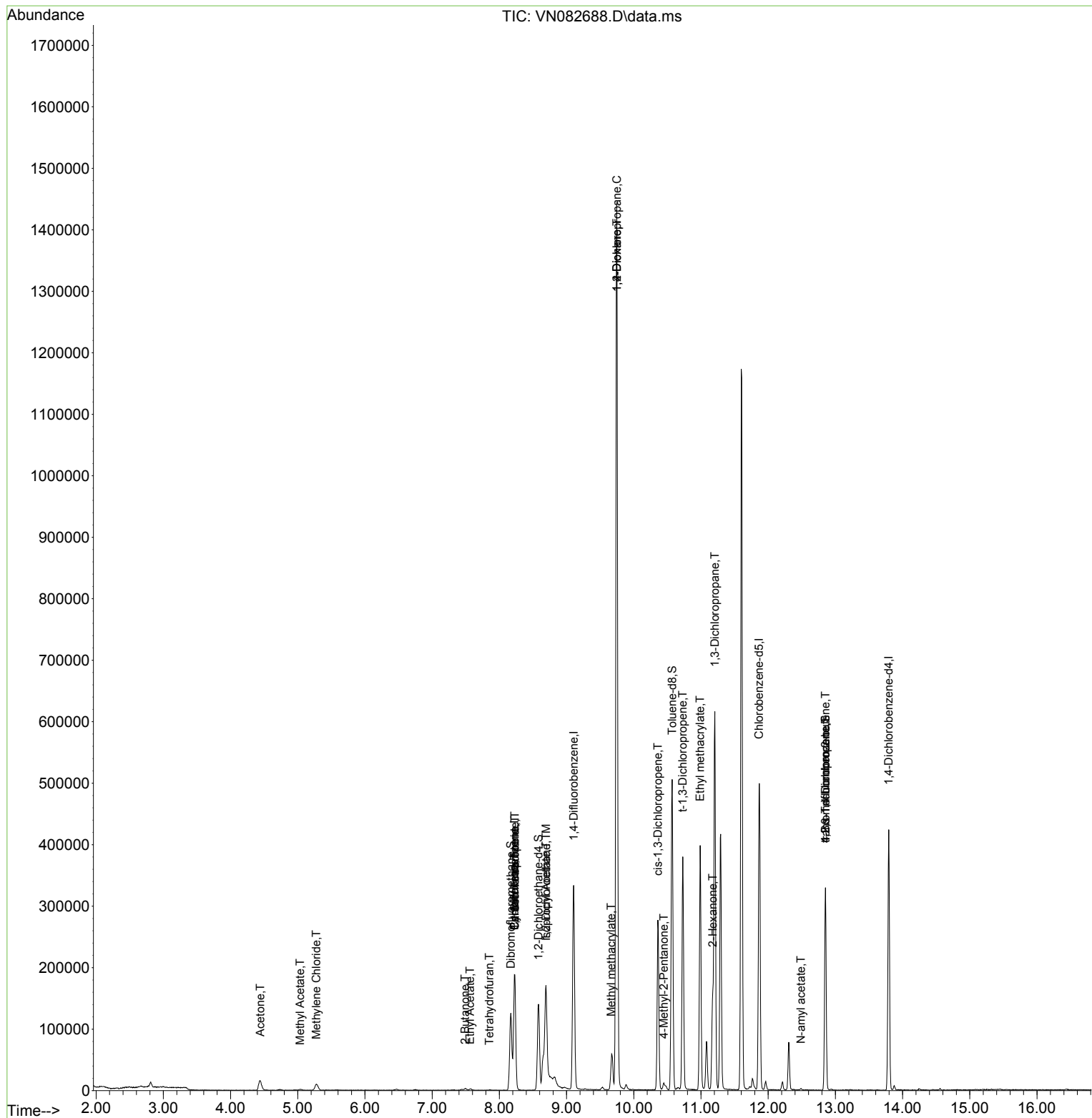
Internal Standards						
1) Pentafluorobenzene	8.224	168	132081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	260720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	117430	55.441	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.880%			
35) Dibromofluoromethane	8.171	113	86012	48.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.260%			
50) Toluene-d8	10.571	98	326771	48.855	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.853	95	101810	44.150	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 88.300%			
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	31986	33.205	ug/l	99
18) Methyl Acetate	5.036	43	2785	1.182	ug/l #	70
20) Methylene Chloride	5.277	84	7482	4.418	ug/l #	91
25) 2-Butanone	7.488	43	5384	3.932	ug/l	96
29) Tetrahydrofuran	7.853	42	628	0.749	ug/l #	45
31) Cyclohexane	8.224	56	3685	1.206	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	12280	4.644	ug/l #	52
37) Ethyl Acetate	7.565	43	4234	1.257	ug/l #	74
38) Carbon Tetrachloride	8.230	117	14626	4.909	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1003	0.323	ug/l #	78
43) Isopropyl Acetate	8.694	43	254842	40.488	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1614	0.768	ug/l #	44
48) Methyl methacrylate	9.665	41	4561	1.758	ug/l #	54
49) 1,4-Dioxane	9.747	88	191	4.706	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12951	4.012	ug/l #	72
53) t-1,3-Dichloropropene	10.729	75	794	0.256	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	42049	13.088	ug/l #	70
56) Ethyl methacrylate	10.988	69	2291	0.772	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6104	1.843	ug/l #	43
59) 2-Hexanone	11.176	43	117051	47.704	ug/l #	28
74) N-amyl acetate	12.488	43	1585	0.375	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	59851	23.482	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59851	56.179	ug/l #	6

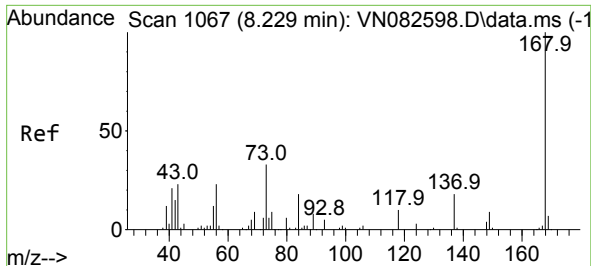
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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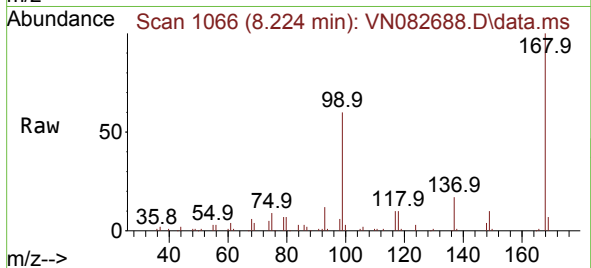
Quant Time: Jun 24 02:17:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



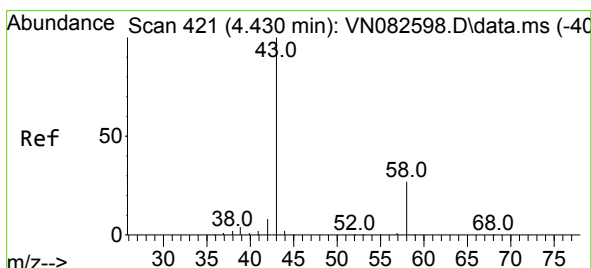
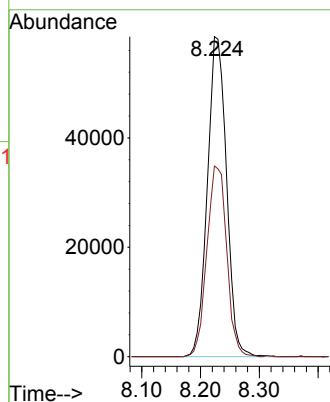
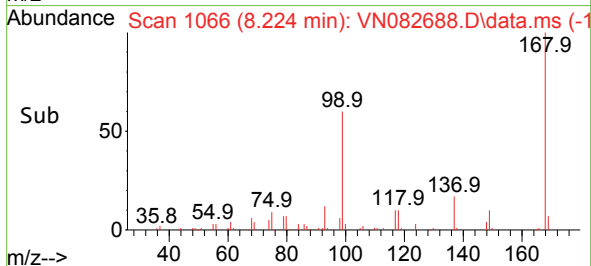


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Instrument :
MSVOA_N
ClientSampleId :

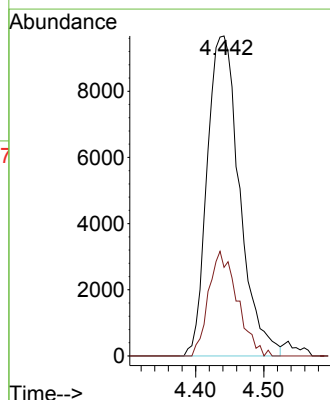
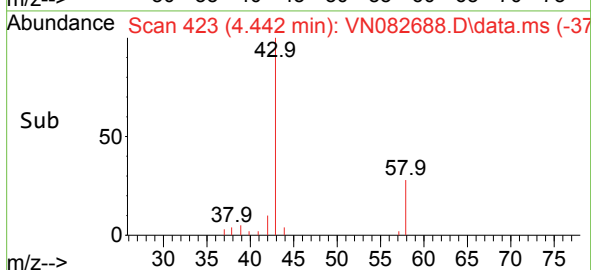
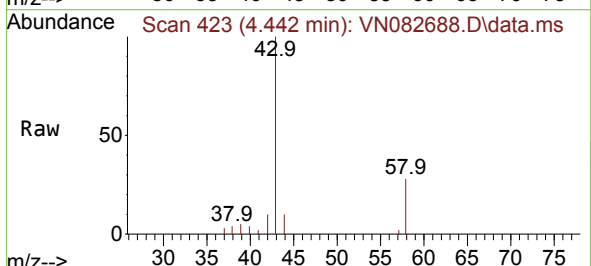


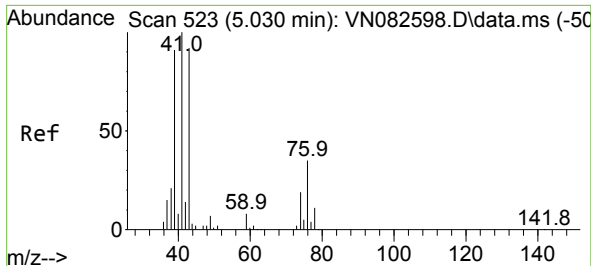
Tgt Ion:168 Resp: 132081
Ion Ratio Lower Upper
168 100
99 59.6 48.2 72.4



#16
Acetone
Concen: 33.205 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Tgt Ion: 43 Resp: 31986
Ion Ratio Lower Upper
43 100
58 27.7 21.8 32.6

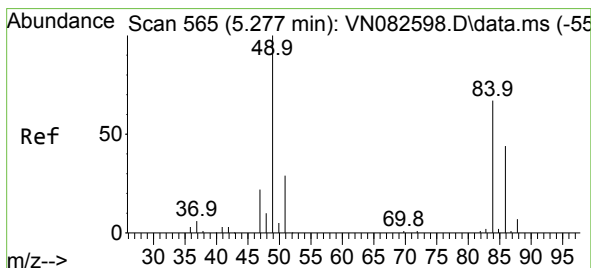
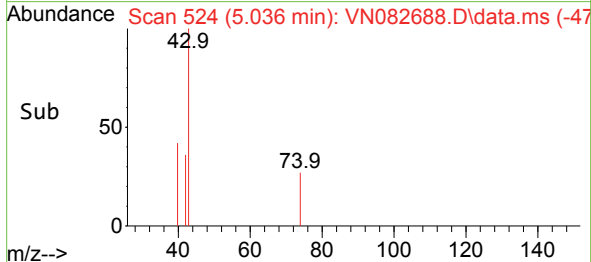
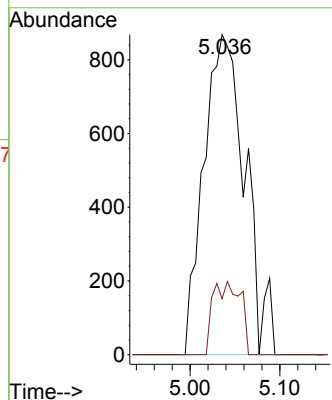
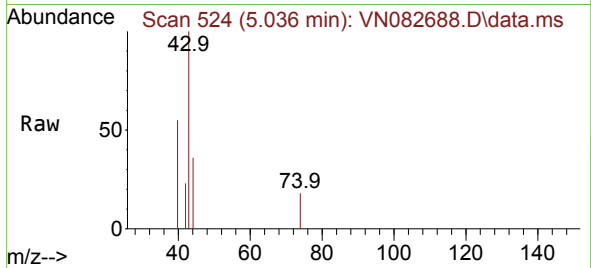




#18
Methyl Acetate
Concen: 1.182 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

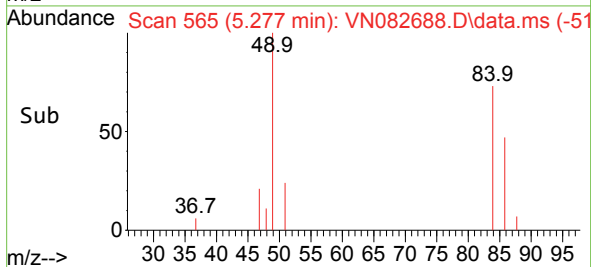
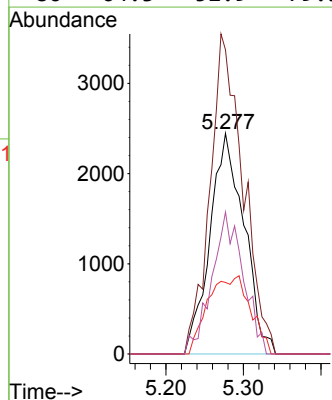
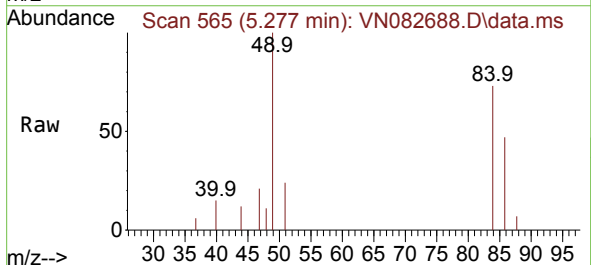
Instrument :
MSVOA_N
ClientSampleId :

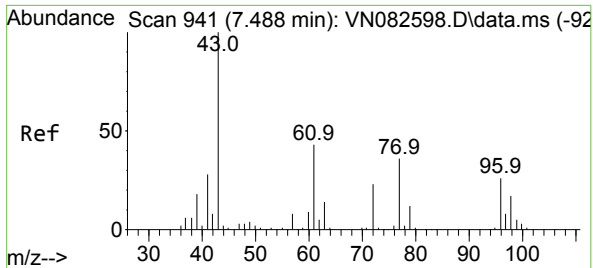
Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
74 6.4 16.3 24.5#



#20
Methylene Chloride
Concen: 4.418 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Tgt Ion: 84 Resp: 7482
Ion Ratio Lower Upper
84 100
49 137.9 119.6 179.4
51 32.5 34.8 52.2#
86 64.3 52.9 79.3

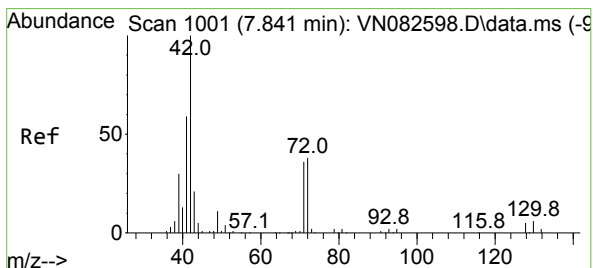
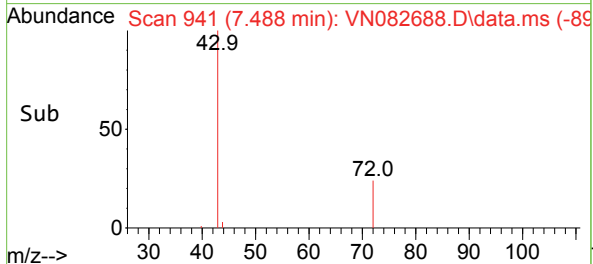
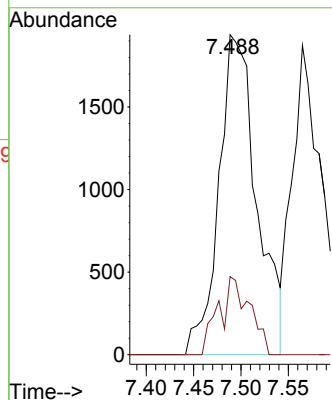
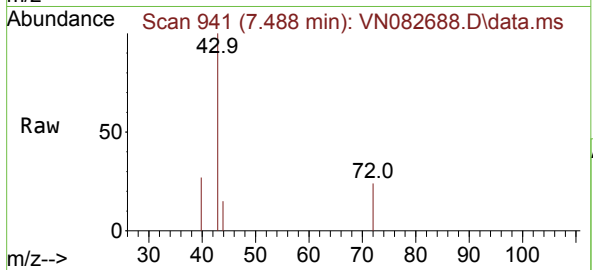




#25
2-Butanone
Concen: 3.932 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

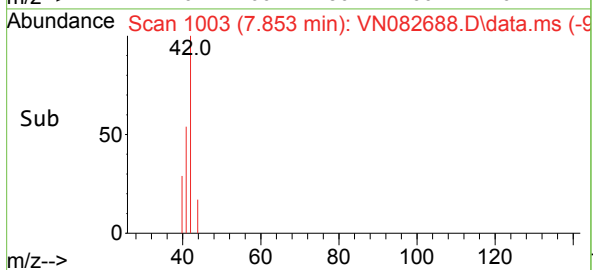
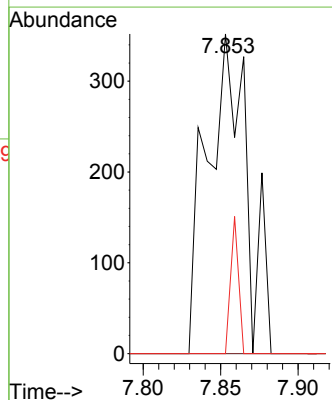
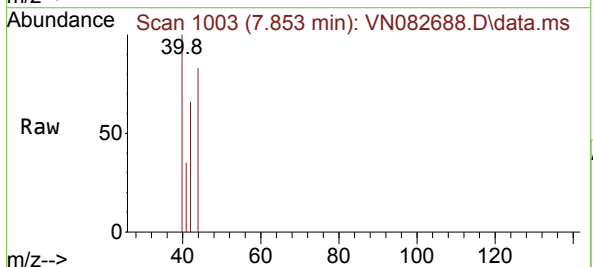
Instrument :
MSVOA_N
ClientSampleId :

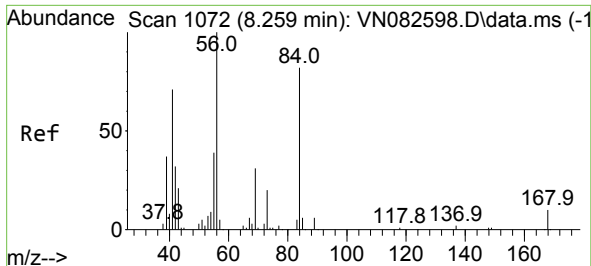
Tgt Ion: 43 Resp: 5384
Ion Ratio Lower Upper
43 100
72 24.4 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.749 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

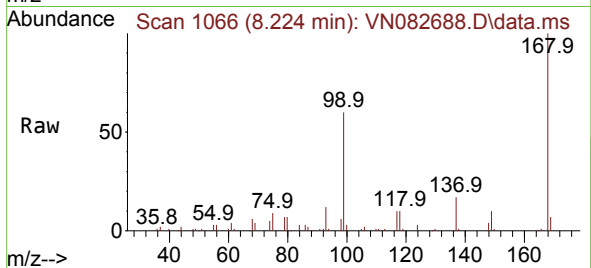
Tgt Ion: 42 Resp: 628
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 8.4 28.3 42.5#



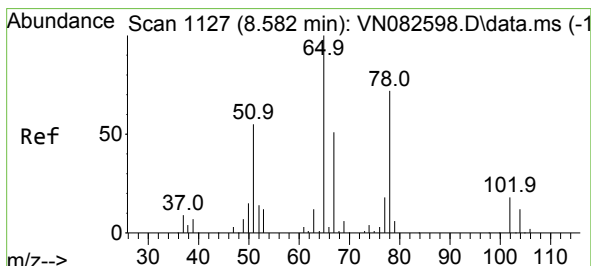
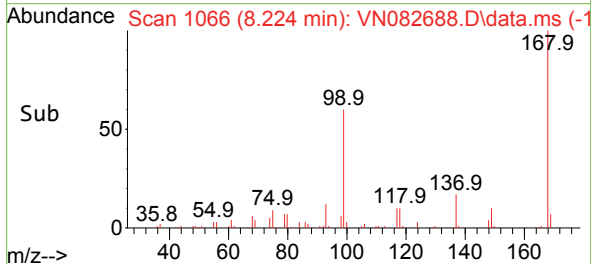
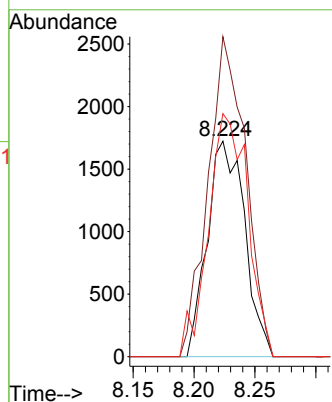


#31
Cyclohexane
Concen: 1.206 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Instrument :
MSVOA_N
ClientSampleId :

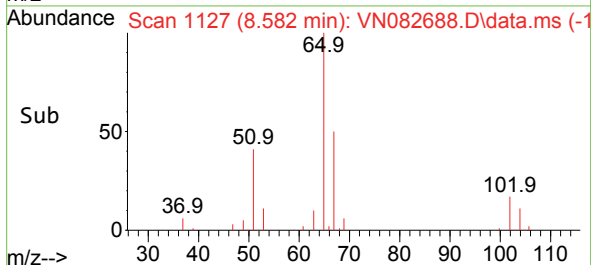
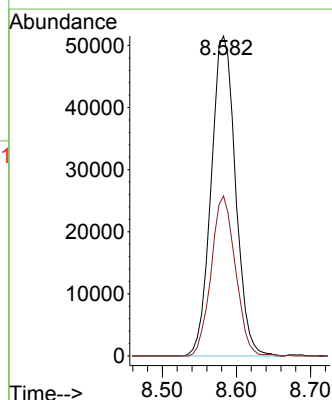
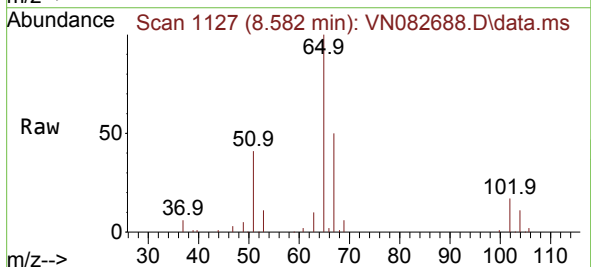


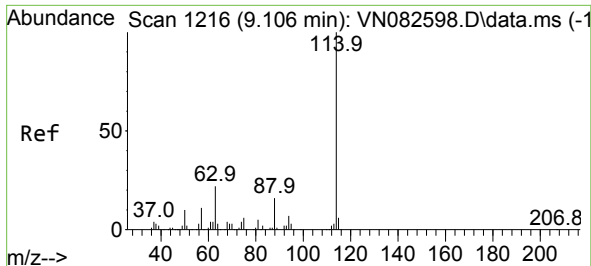
Tgt Ion: 56 Resp: 3685
Ion Ratio Lower Upper
56 100
69 148.4 24.5 36.7#
84 112.7 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 55.441 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Tgt Ion: 65 Resp: 117430
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# 11

Delta R.T. 0.000 min

Lab File: VN082688.D

Acq: 21 Jun 2024 19:25

Instrument :

MSVOA_N

ClientSampleId :

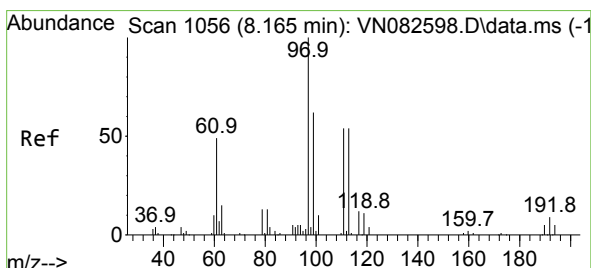
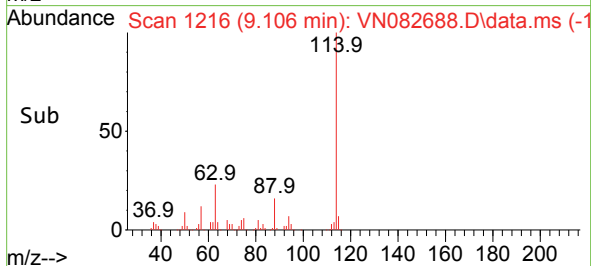
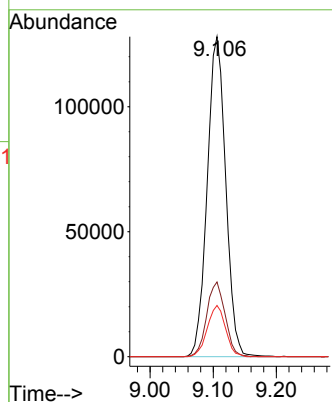
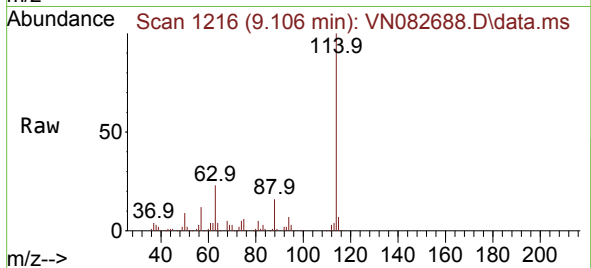
Tgt Ion:114 Resp: 260720

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

88 16.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.630 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082688.D

Acq: 21 Jun 2024 19:25

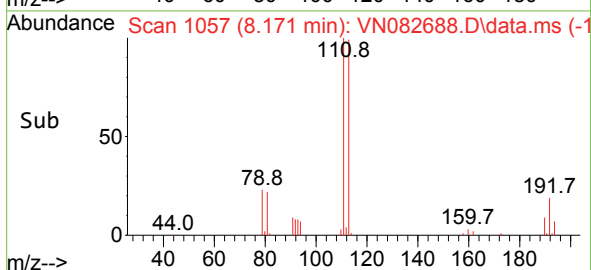
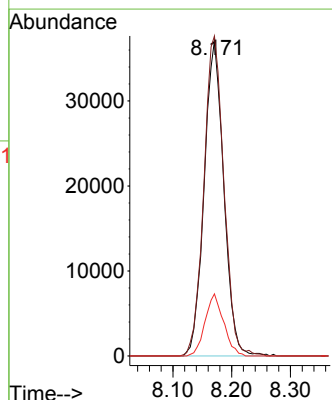
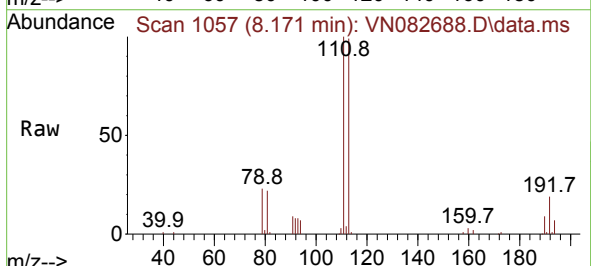
Tgt Ion:113 Resp: 86012

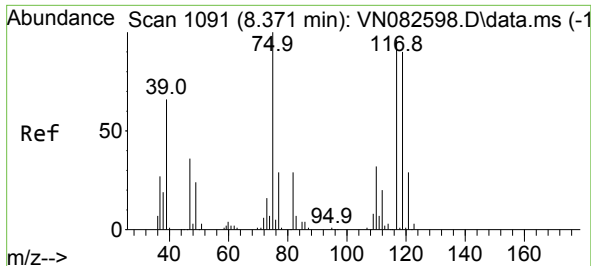
Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

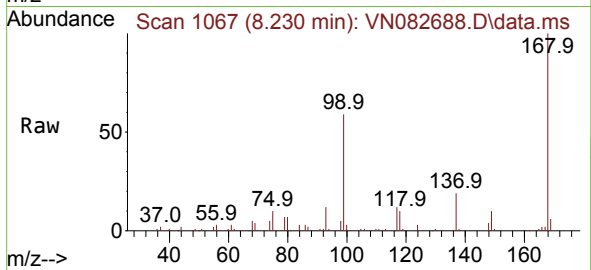
192 18.7 14.9 22.3



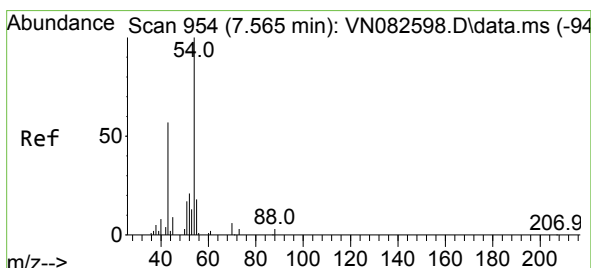
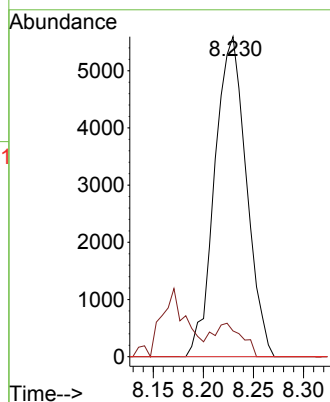
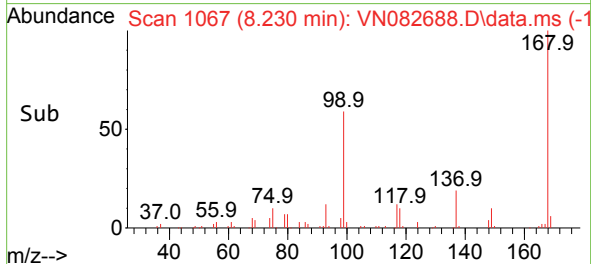


#36
1,1-Dichloropropene
Concen: 4.644 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Instrument :
MSVOA_N
ClientSampleId :

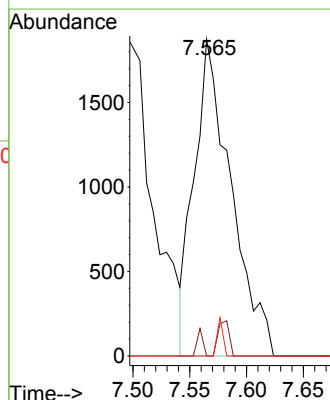
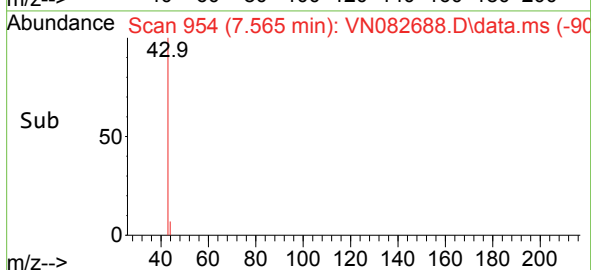
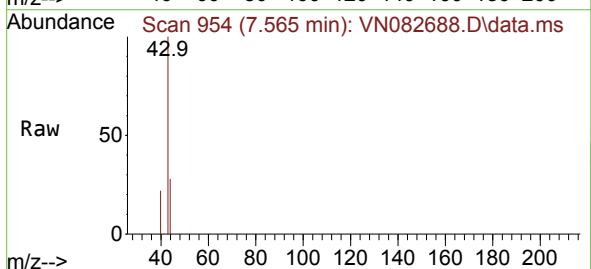


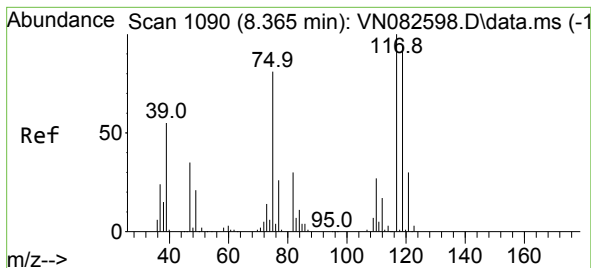
Tgt Ion: 75 Resp: 12280
Ion Ratio Lower Upper
75 100
110 9.7 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.257 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Tgt Ion: 43 Resp: 4234
Ion Ratio Lower Upper
43 100
61 1.4 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.909 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.135 min

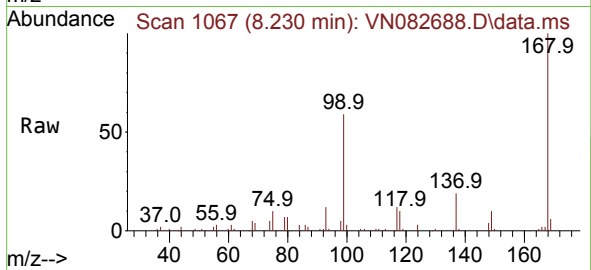
Lab File: VN082688.D

Acq: 21 Jun 2024 19:25

Instrument :

MSVOA_N

ClientSampleId :



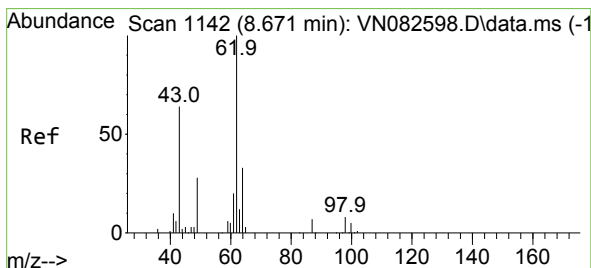
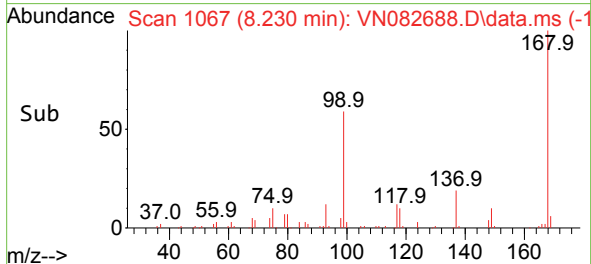
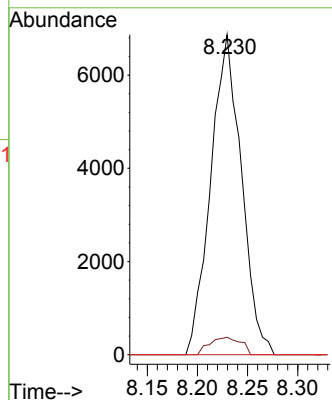
Tgt Ion:117 Resp: 14626

Ion Ratio Lower Upper

117 100

119 5.4 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.323 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082688.D

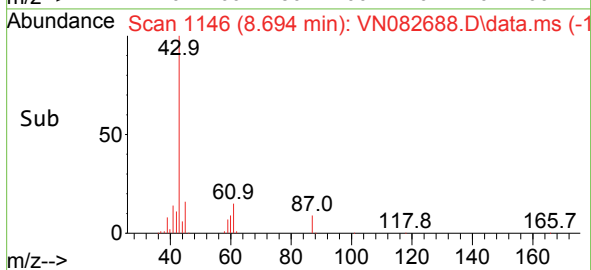
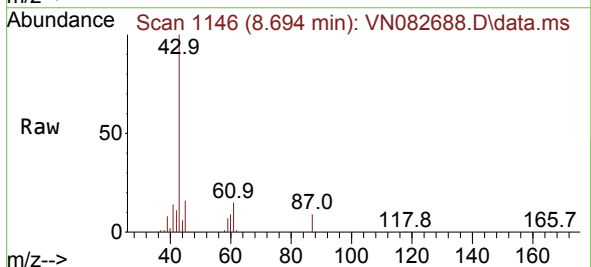
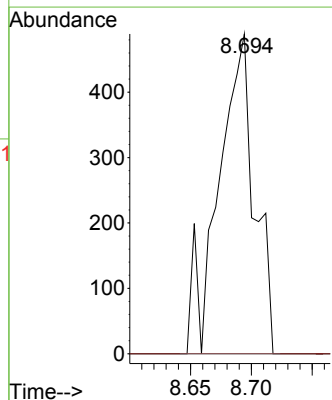
Acq: 21 Jun 2024 19:25

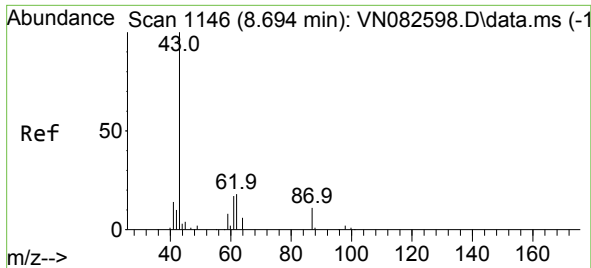
Tgt Ion: 62 Resp: 1003

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

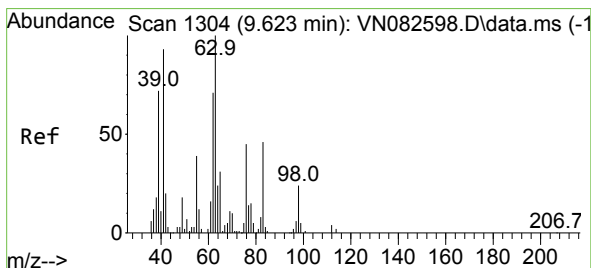
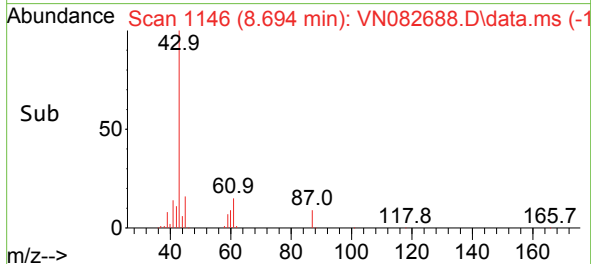
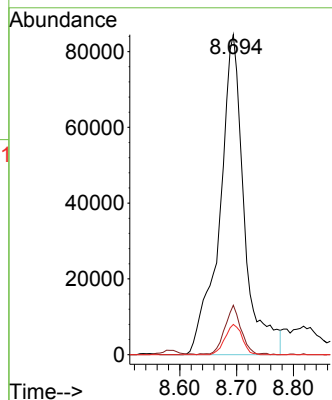
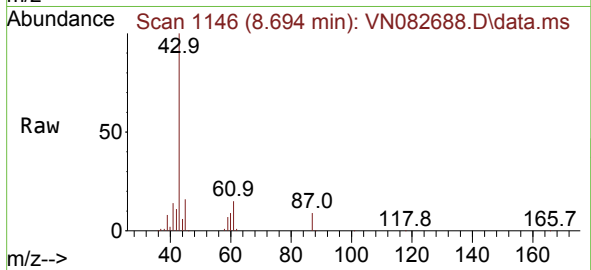




#43
Isopropyl Acetate
Concen: 40.488 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

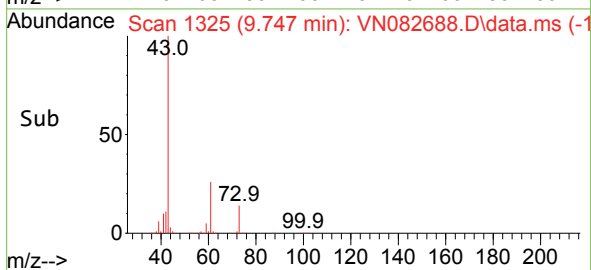
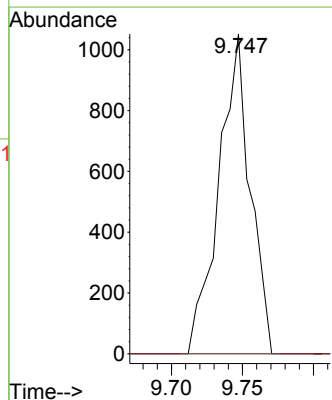
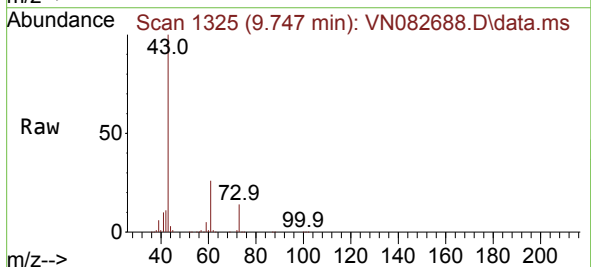
Instrument :
MSVOA_N
ClientSampleId :

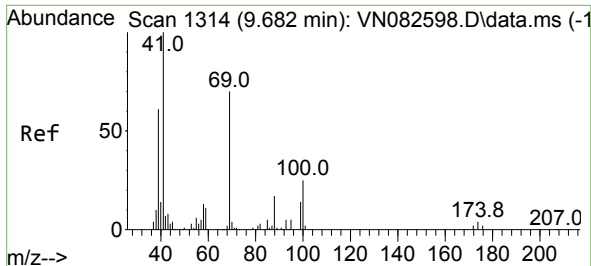
Tgt Ion: 43 Resp: 254842
Ion Ratio Lower Upper
43 100
61 10.2 17.8 26.6#
87 6.6 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.768 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Tgt Ion: 63 Resp: 1614
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

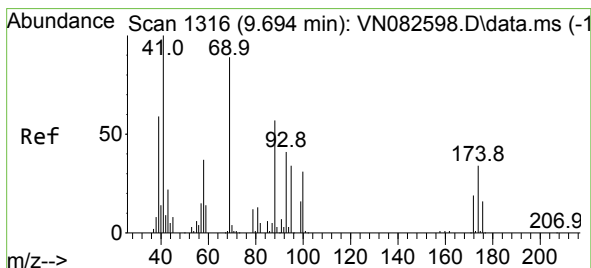
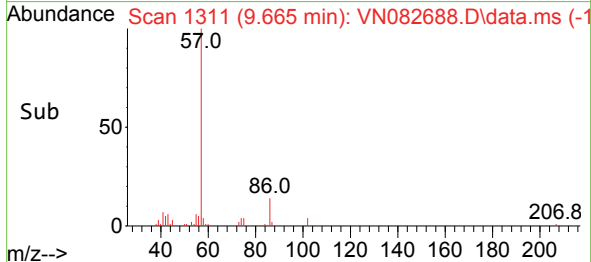
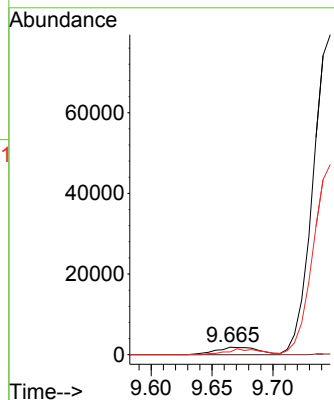
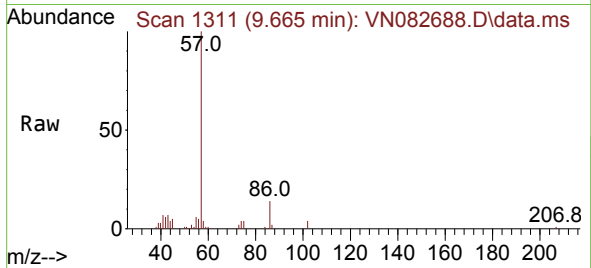




#48
Methyl methacrylate
Concen: 1.758 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

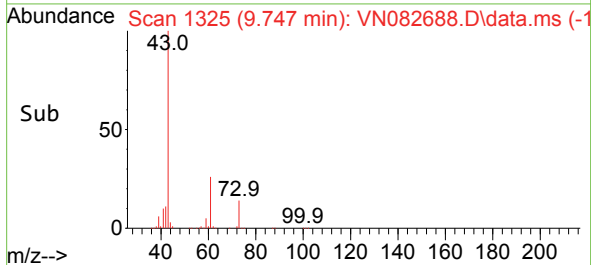
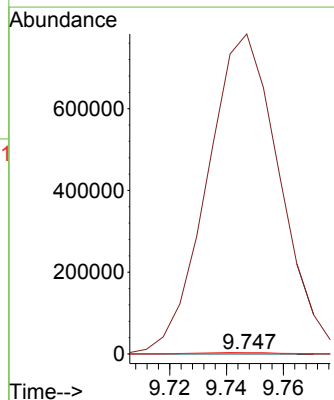
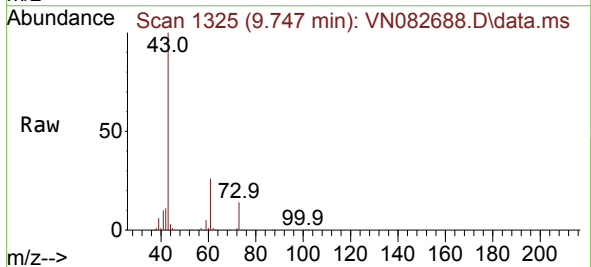
Instrument :
MSVOA_N
ClientSampleId :

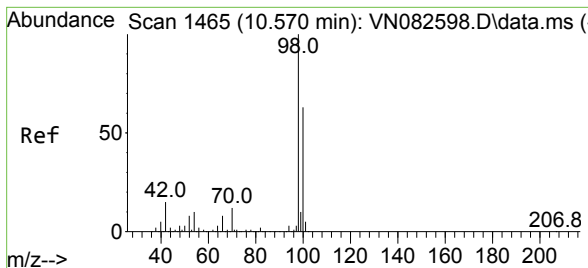
Tgt Ion: 41 Resp: 4561
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 62.1 50.3 75.5



#49
1,4-Dioxane
Concen: 4.706 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 731390.1 27.8 41.8#
58 3640.8 59.4 89.0#

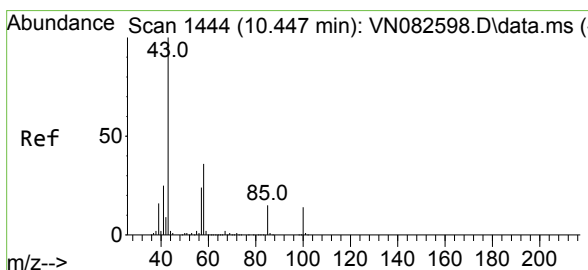
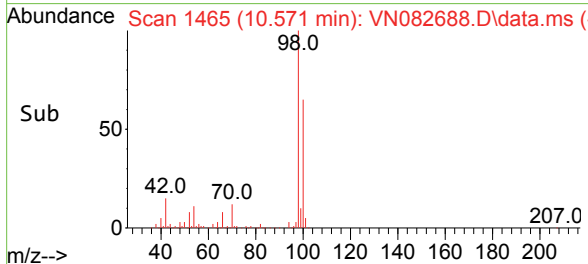
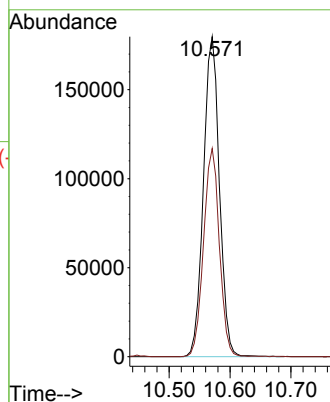
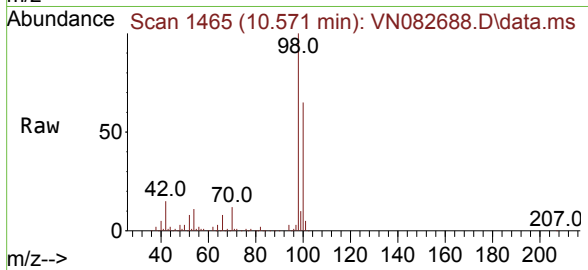




#50
Toluene-d8
Concen: 48.855 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

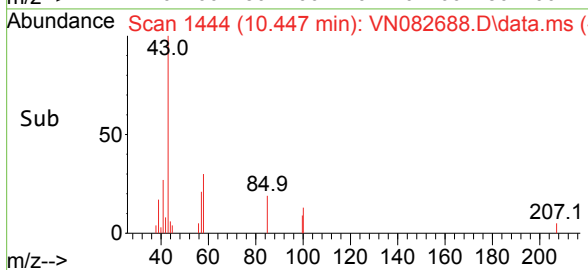
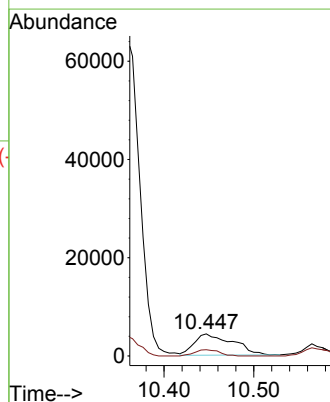
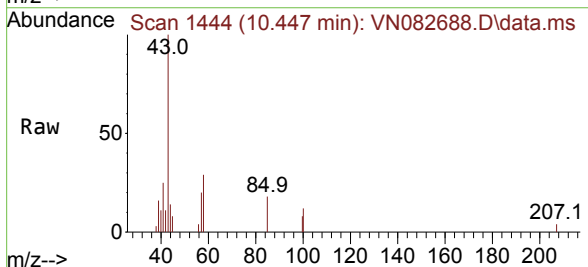
Instrument :
MSVOA_N
ClientSampleId :

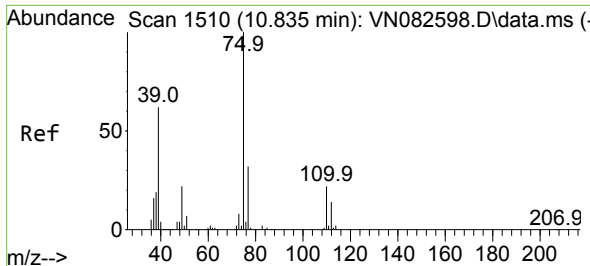
Tgt Ion: 98 Resp: 326771
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 4.012 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

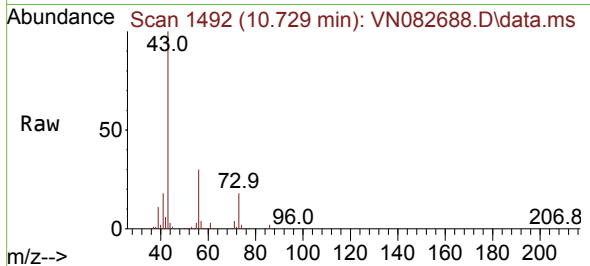
Tgt Ion: 43 Resp: 12951
Ion Ratio Lower Upper
43 100
58 18.7 28.2 42.4#



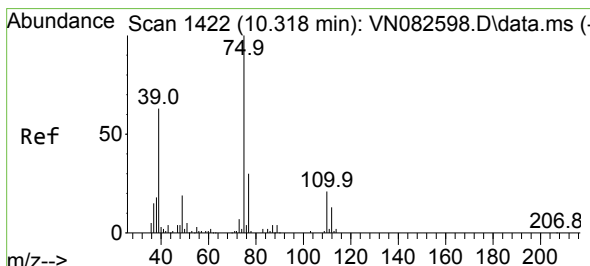
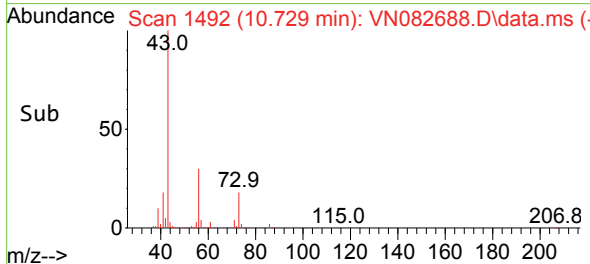
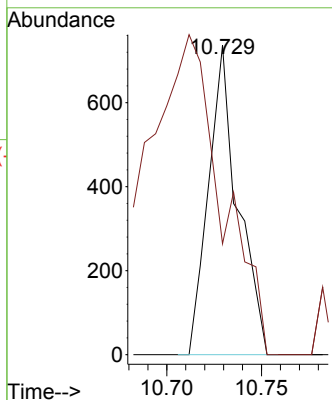


#53
t-1,3-Dichloropropene
Concen: 0.256 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Instrument :
MSVOA_N
ClientSampleId :

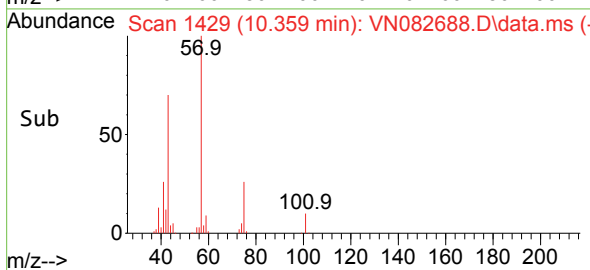
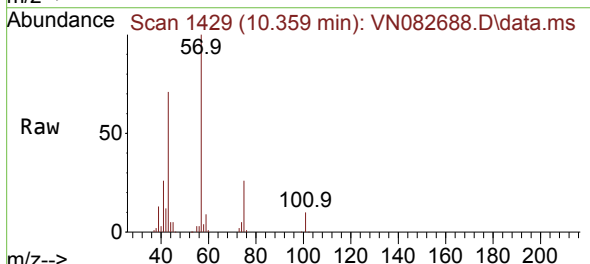
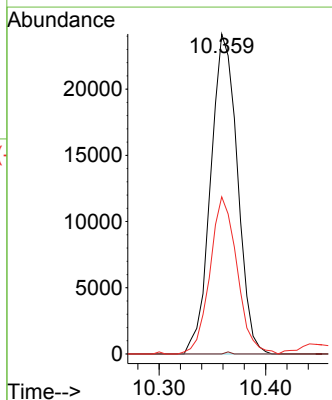


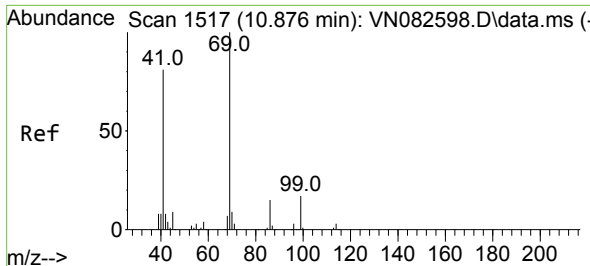
Tgt Ion: 75 Resp: 794
Ion Ratio Lower Upper
75 100
77 35.8 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 13.088 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

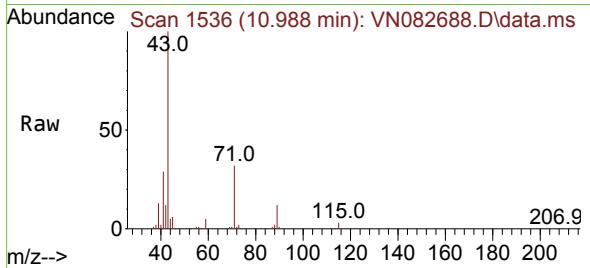
Tgt Ion: 75 Resp: 42049
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 49.1 50.5 75.7#



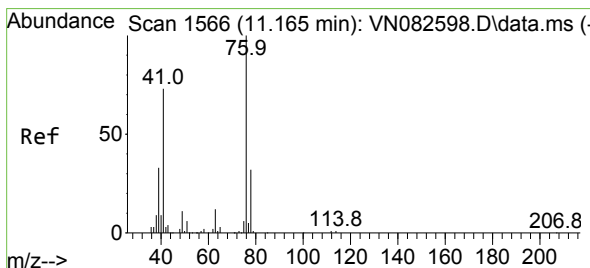
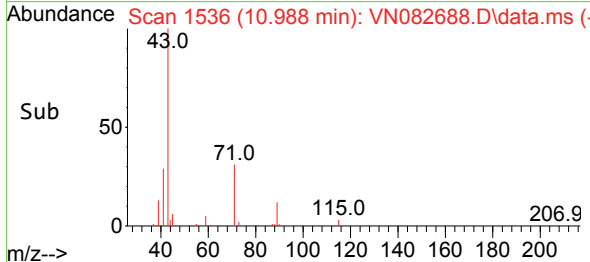
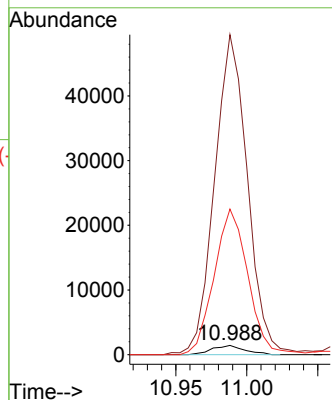


#56
Ethyl methacrylate
Concen: 0.772 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Instrument :
MSVOA_N
ClientSampleId :

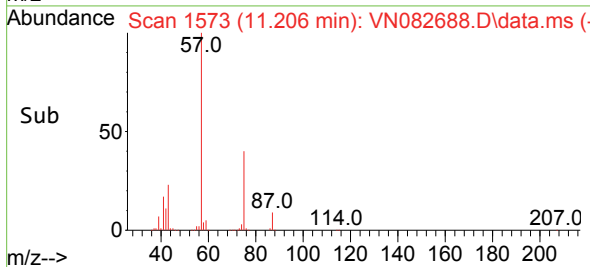
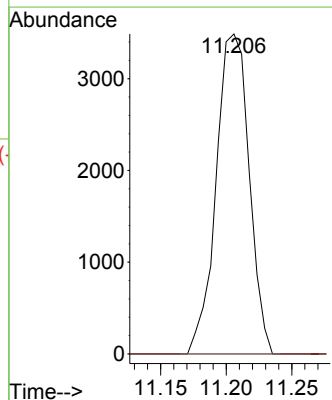
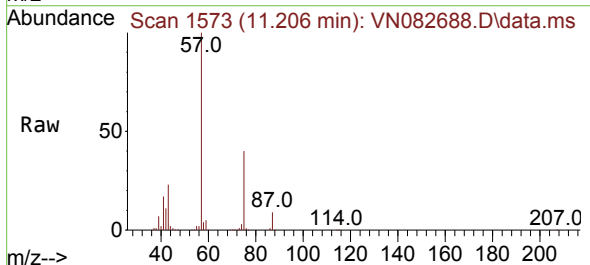


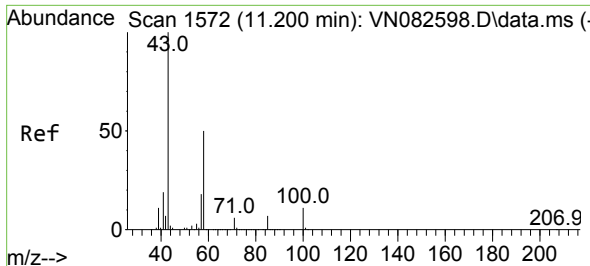
Tgt Ion: 69 Resp: 2291
Ion Ratio Lower Upper
69 100
41 3488.9 63.4 95.2#
39 1627.5 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.843 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Tgt Ion: 76 Resp: 6104
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

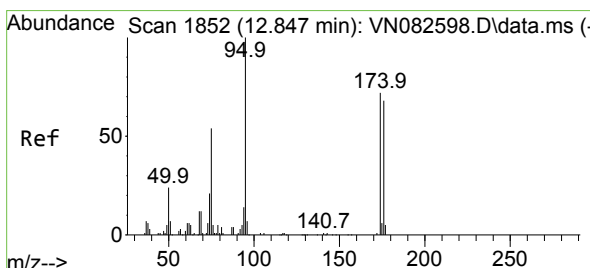
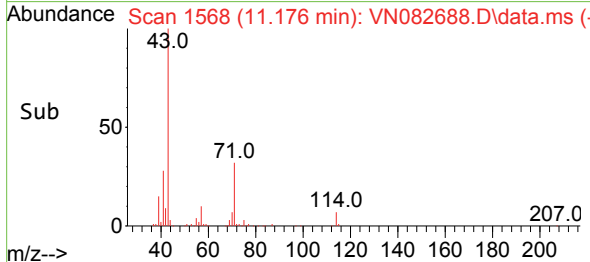
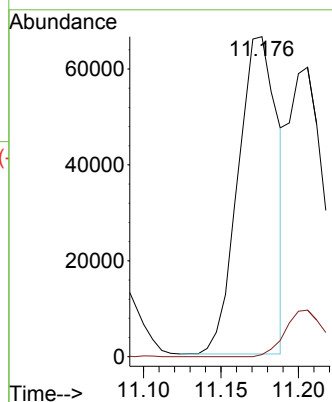
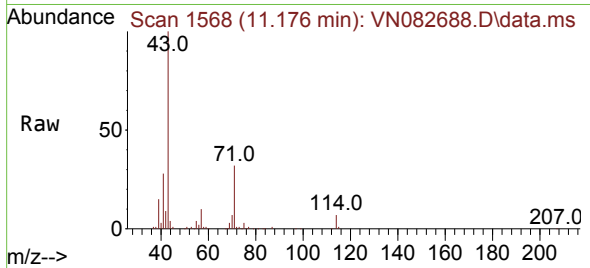




#59
2-Hexanone
Concen: 47.704 ug/l
RT: 11.176 min Scan# 117051
Delta R.T. -0.023 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

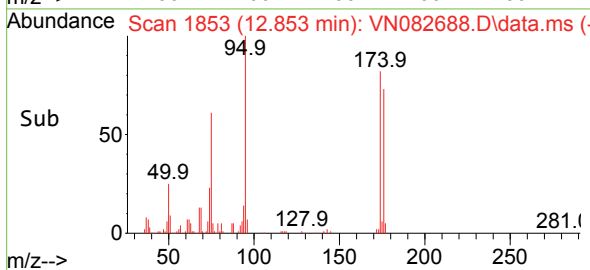
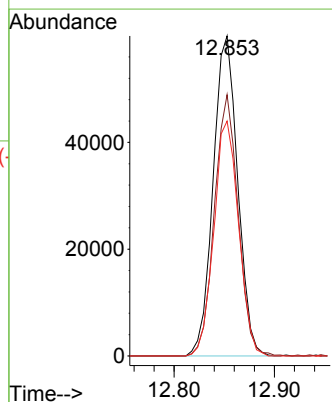
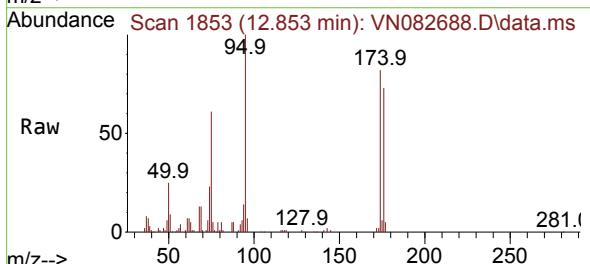
Instrument :
MSVOA_N
ClientSampleId :

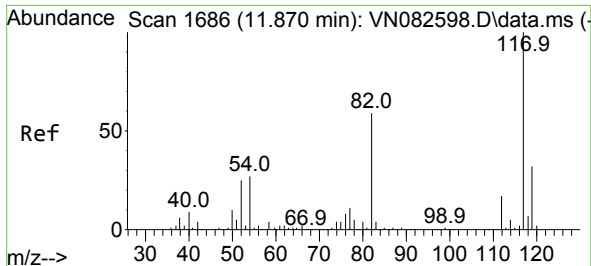
Tgt Ion: 43 Resp: 117051
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 44.150 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

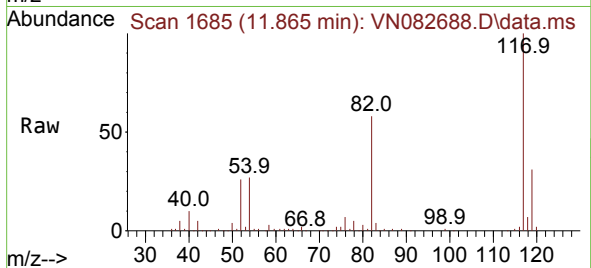
Tgt Ion: 95 Resp: 101810
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.2
176 74.1 0.0 147.6



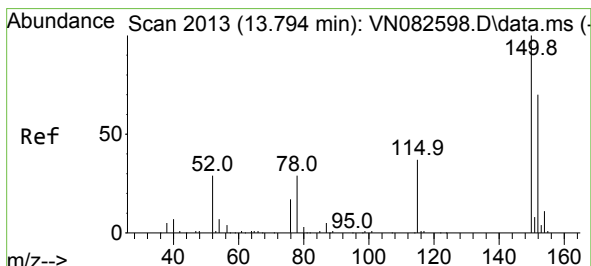
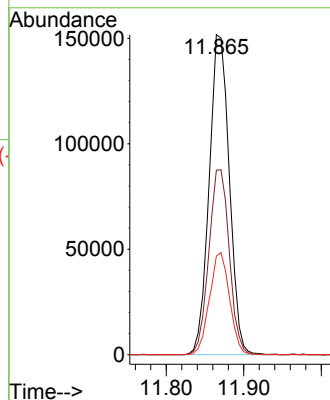
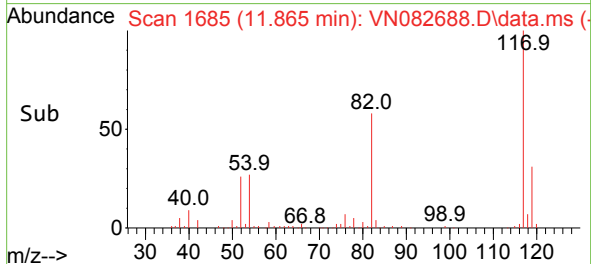


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Instrument :
MSVOA_N
ClientSampleId :

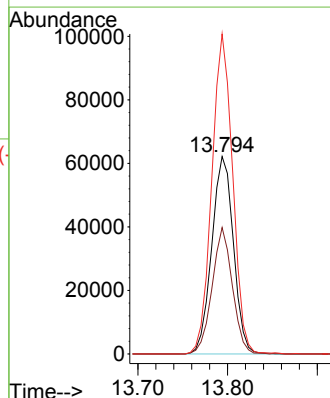
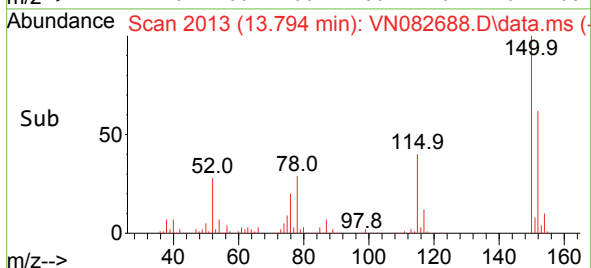
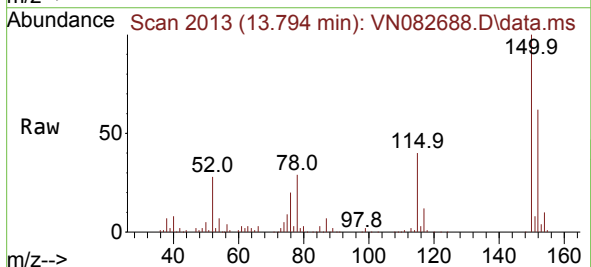


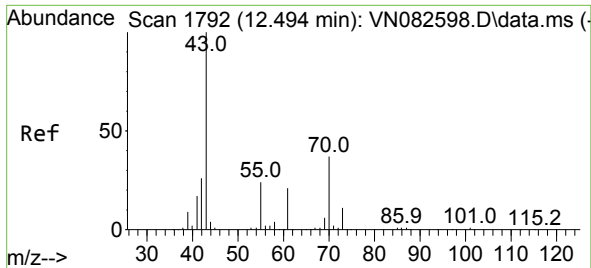
Tgt Ion:117 Resp: 274185
Ion Ratio Lower Upper
117 100
82 57.6 47.5 71.3
119 30.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

Tgt Ion:152 Resp: 104210
Ion Ratio Lower Upper
152 100
115 59.8 30.6 91.6
150 155.8 0.0 348.6

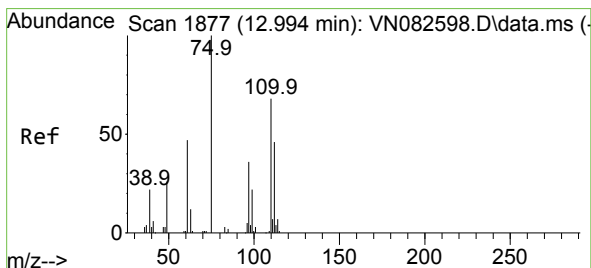
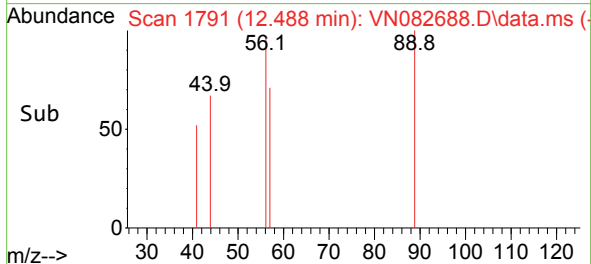
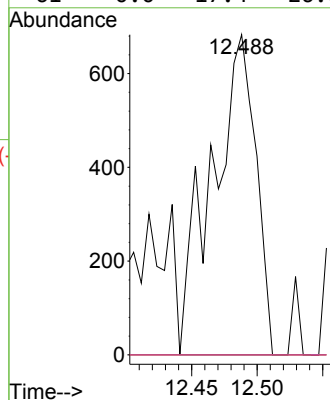
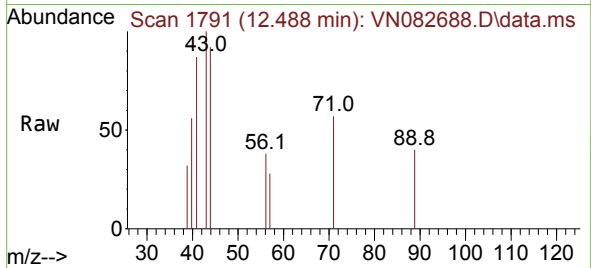




#74
N-amy1 acetate
Concen: 0.375 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

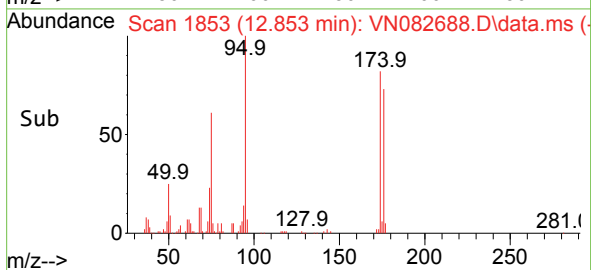
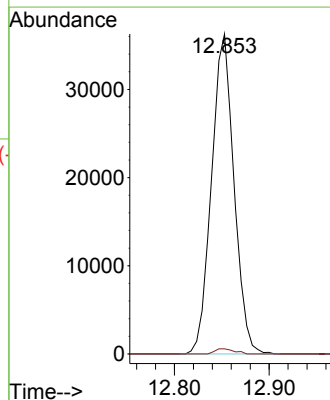
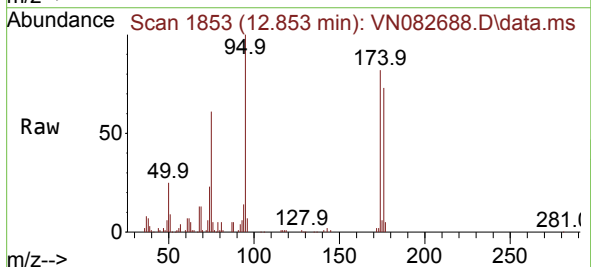
Instrument :
MSVOA_N
ClientSampleId :

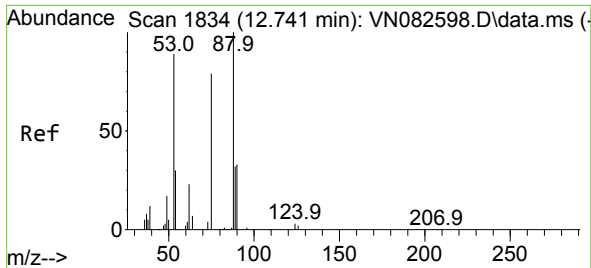
Tgt Ion: 43	Resp: 1585
Ion Ratio	Lower Upper
43 100	
70 0.0	29.8 44.6#
55 0.0	18.7 28.1#
61 0.0	17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 23.482 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082688.D
Acq: 21 Jun 2024 19:25

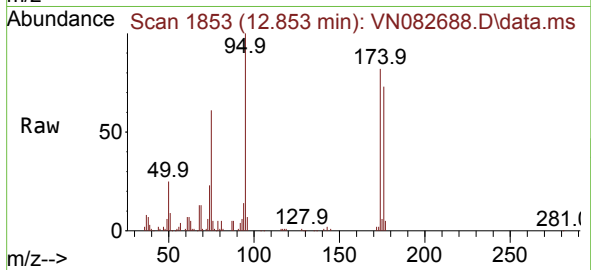
Tgt Ion: 75	Resp: 59851
Ion Ratio	Lower Upper
75 100	
77 1.4	110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.179 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082688.D
 Acq: 21 Jun 2024 19:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

