

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082713.D
 Acq On : 25 Jun 2024 13:20
 Operator : JC\MD
 Sample : PB161676ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:21:33 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)

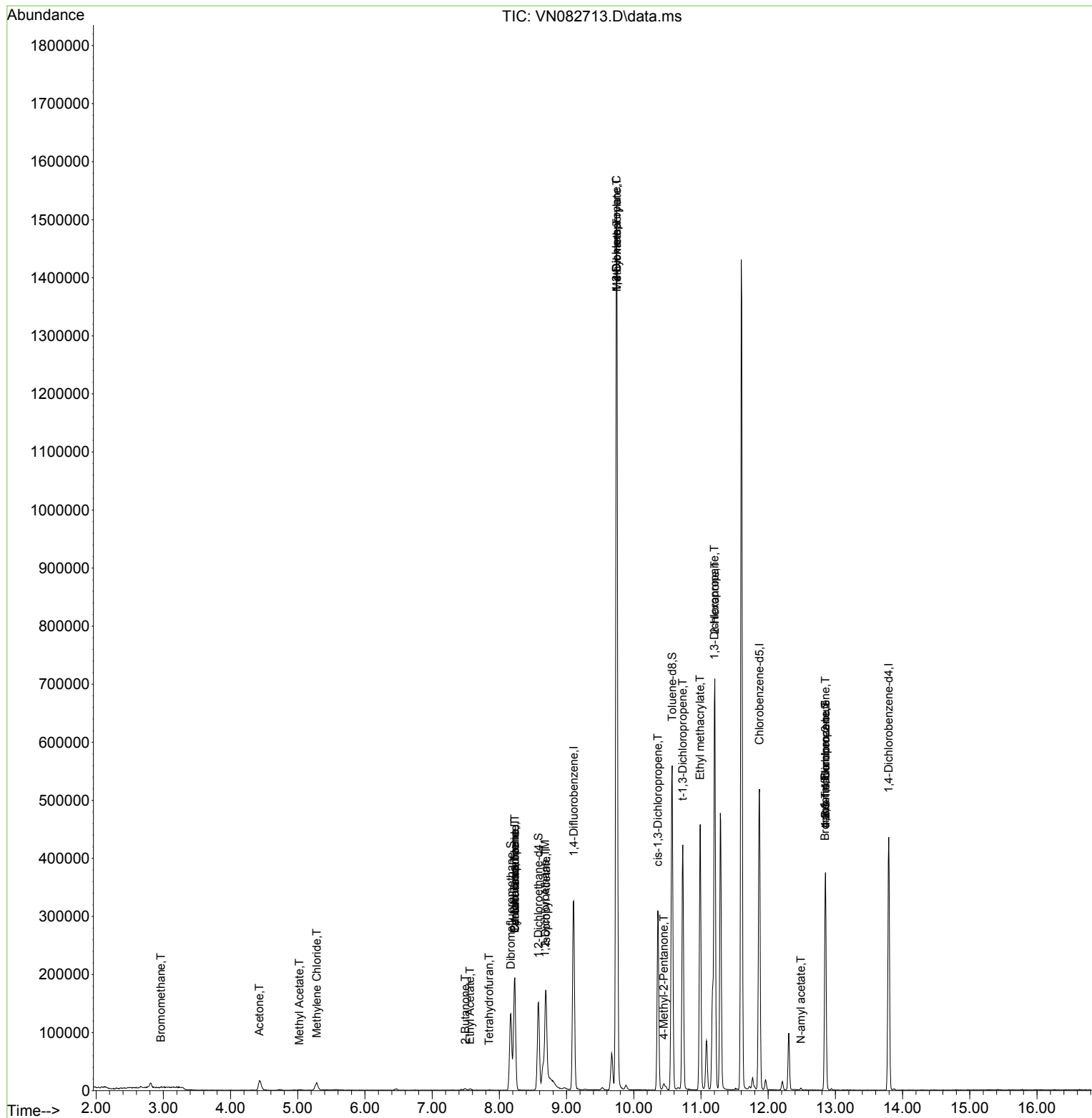
Internal Standards						
1) Pentafluorobenzene	8.230	168	132990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	263214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	278428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124285	58.277	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.560%			
35) Dibromofluoromethane	8.171	113	93455	52.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.680%			
50) Toluene-d8	10.571	98	359811	53.285	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.580%			
62) 4-Bromofluorobenzene	12.853	95	116333	49.970	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 99.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	351	0.257	ug/l #	66
16) Acetone	4.430	43	32683	33.697	ug/l	99
18) Methyl Acetate	5.024	43	1272	0.536	ug/l #	84
20) Methylene Chloride	5.283	84	8659	5.078	ug/l	98
25) 2-Butanone	7.494	43	4982	3.614	ug/l	94
29) Tetrahydrofuran	7.847	42	591	0.700	ug/l #	47
31) Cyclohexane	8.230	56	4038	1.312	ug/l #	13
36) 1,1-Dichloropropene	8.230	75	12459	4.668	ug/l #	50
37) Ethyl Acetate	7.565	43	4077	1.199	ug/l #	87
38) Carbon Tetrachloride	8.230	117	15060	5.006	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	948	0.302	ug/l #	78
43) Isopropyl Acetate	8.694	43	274296	43.166	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	1925	0.907	ug/l #	44
48) Methyl methacrylate	9.747	41	154574	59.008	ug/l #	52
49) 1,4-Dioxane	9.747	88	58	1.416	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12070	3.703	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	987	0.315	ug/l #	59
54) cis-1,3-Dichloropropene	10.359	75	46530	14.346	ug/l #	68
56) Ethyl methacrylate	10.988	69	2305	0.769	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6131	1.833	ug/l #	43
59) 2-Hexanone	11.206	43	106297	42.910	ug/l #	55
71) Bromoform	12.847	173	913	0.507	ug/l #	1
74) N-amyl acetate	12.488	43	1432	0.322	ug/l #	49
76) 1,2,3-Trichloropropane	12.853	75	67019	24.979	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67019	59.760	ug/l #	6

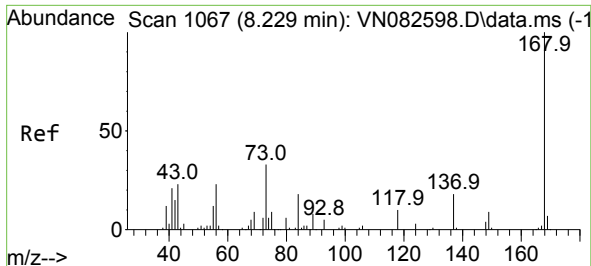
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
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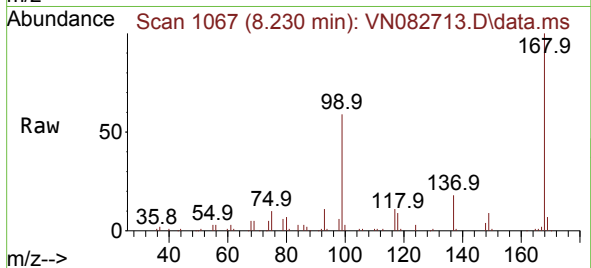
Quant Time: Jun 26 01:21:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
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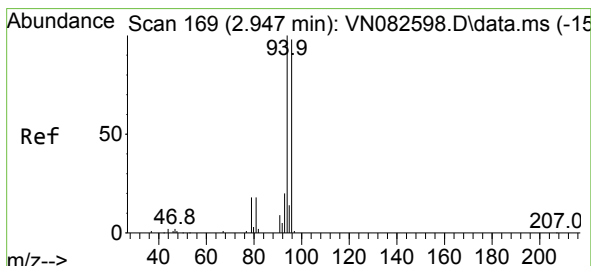
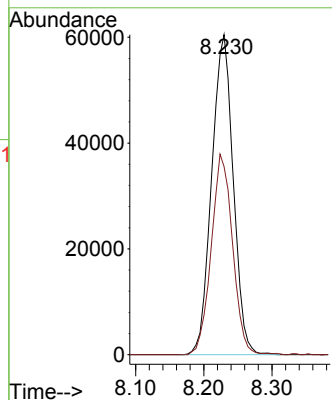
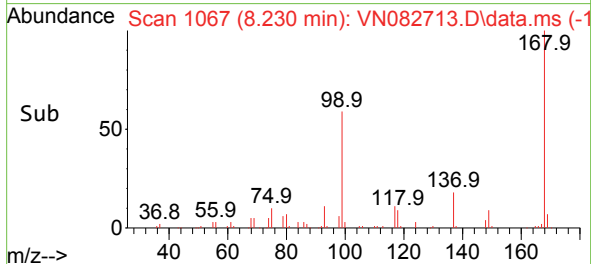


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :

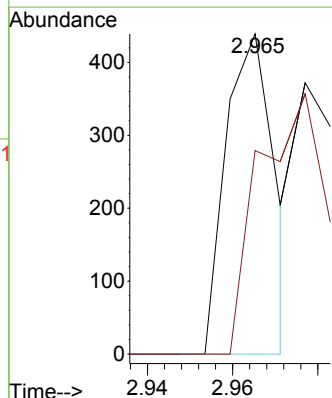
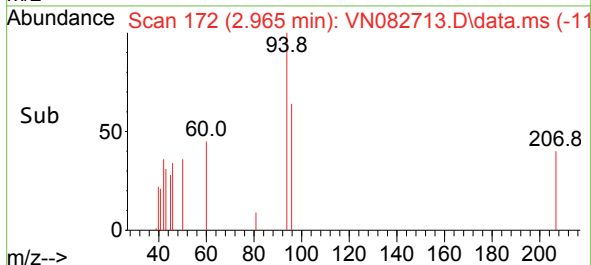
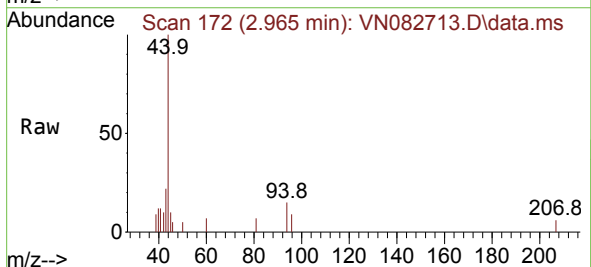


Tgt Ion:168 Resp: 132990
Ion Ratio Lower Upper
168 100
99 58.8 48.2 72.4



#5
Bromomethane
Concen: 0.257 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 63.6 78.0 117.0#





#16

Acetone

Concen: 33.697 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

Instrument :

MSVOA_N

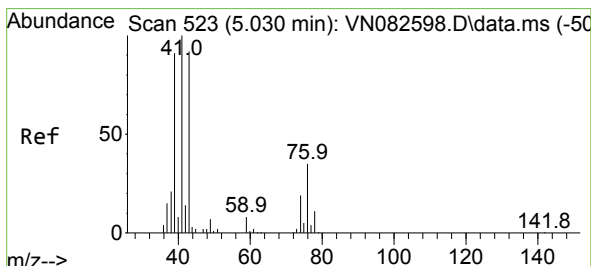
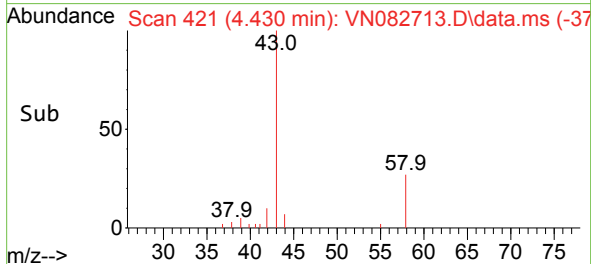
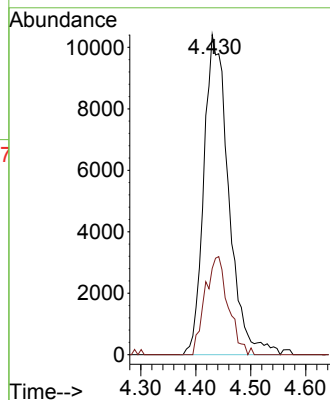
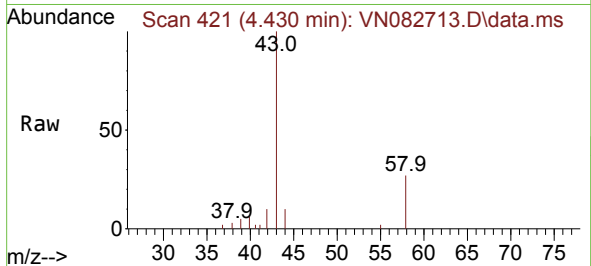
ClientSampleId :

Tgt Ion: 43 Resp: 32683

Ion Ratio Lower Upper

43 100

58 26.9 21.8 32.6



#18

Methyl Acetate

Concen: 0.536 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.006 min

Lab File: VN082713.D

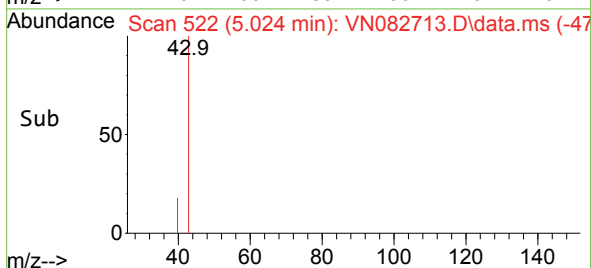
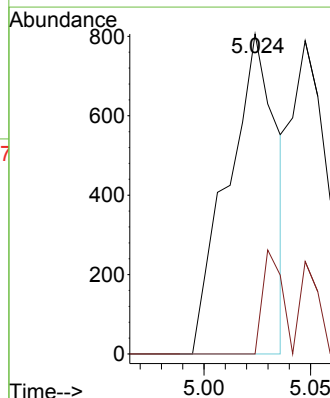
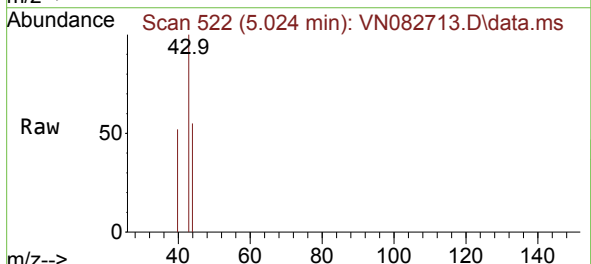
Acq: 25 Jun 2024 13:20

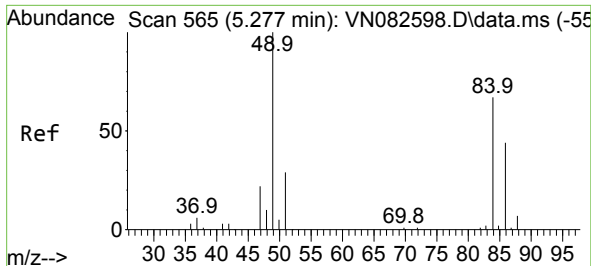
Tgt Ion: 43 Resp: 1272

Ion Ratio Lower Upper

43 100

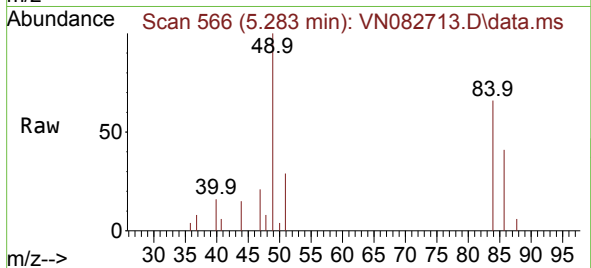
74 12.8 16.3 24.5#



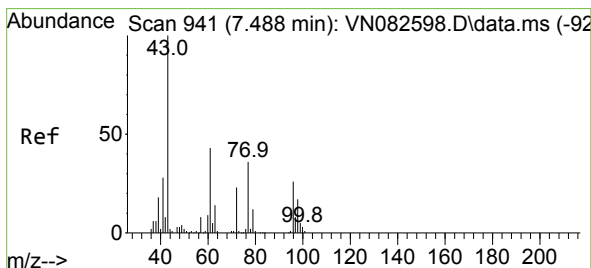
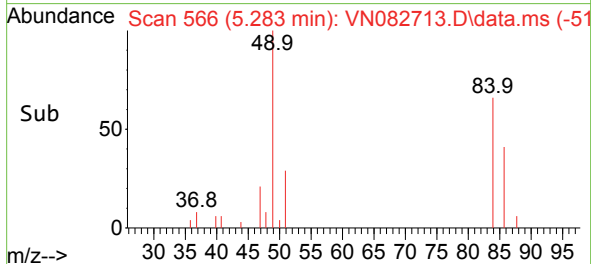
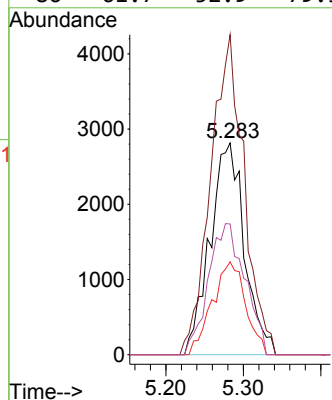


#20
Methylene Chloride
Concen: 5.078 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :

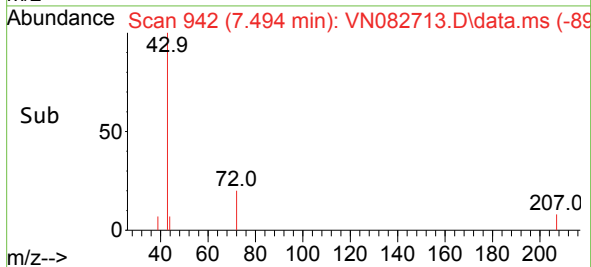
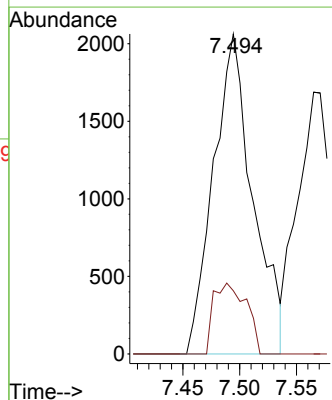
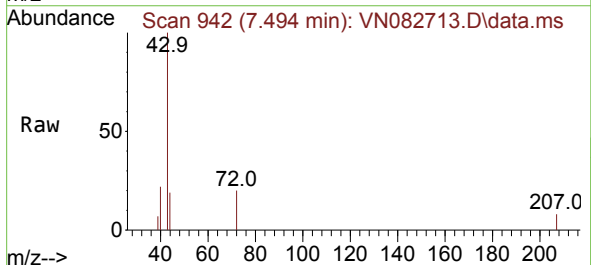


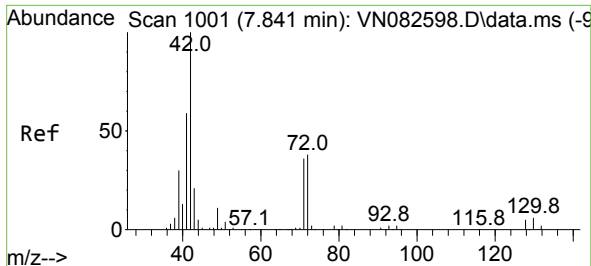
Tgt Ion:	84	Resp:	8659
Ion	Ratio	Lower	Upper
84	100		
49	151.2	119.6	179.4
51	43.8	34.8	52.2
86	61.7	52.9	79.3



#25
2-Butanone
Concen: 3.614 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Tgt Ion:	43	Resp:	4982
Ion	Ratio	Lower	Upper
43	100		
72	19.7	18.2	27.2

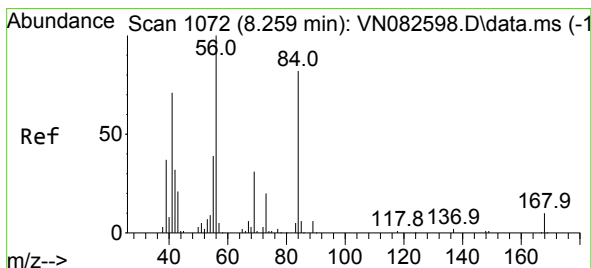
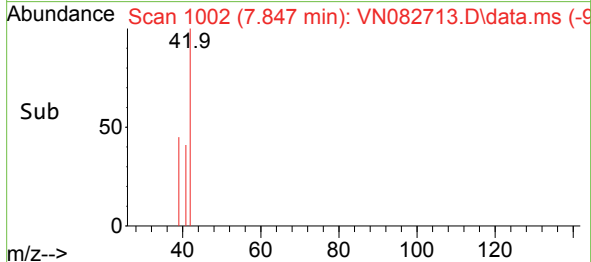
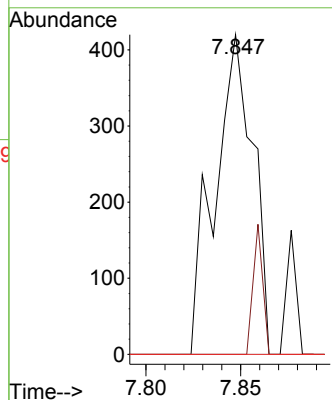
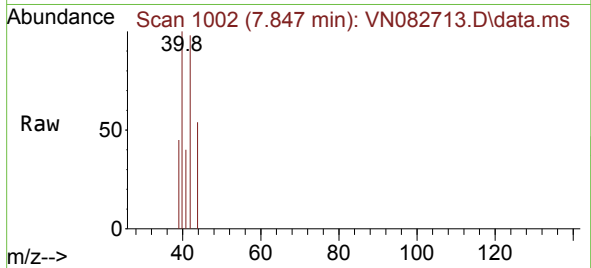




#29
Tetrahydrofuran
Concen: 0.700 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

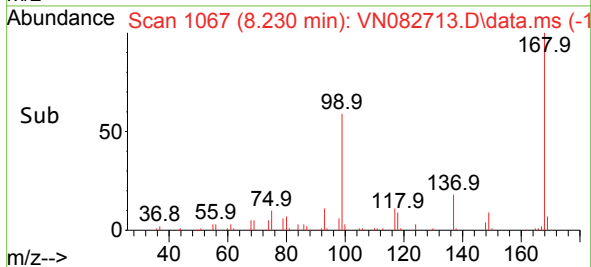
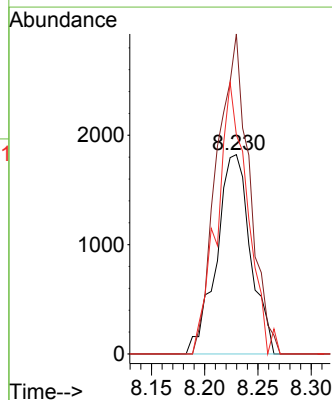
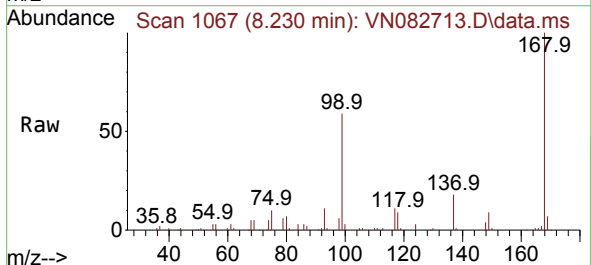
Instrument :
MSVOA_N
ClientSampleId :

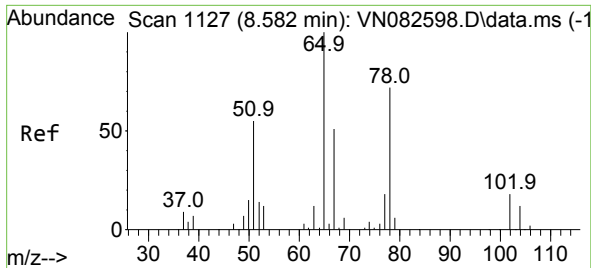
Tgt Ion: 42 Resp: 591
Ion Ratio Lower Upper
42 100
72 10.2 30.0 45.0#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Tgt Ion: 56 Resp: 4038
Ion Ratio Lower Upper
56 100
69 160.6 24.5 36.7#
84 109.9 66.0 99.0#

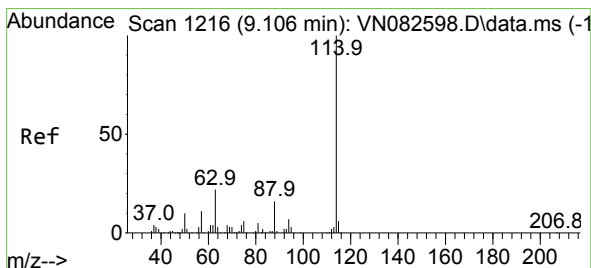
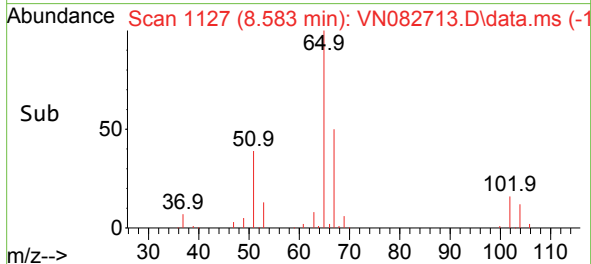
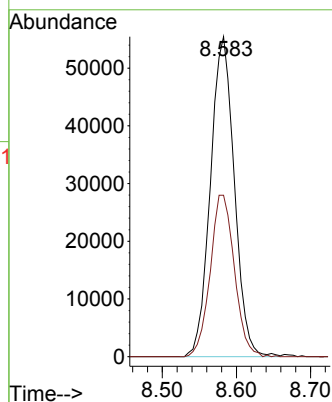
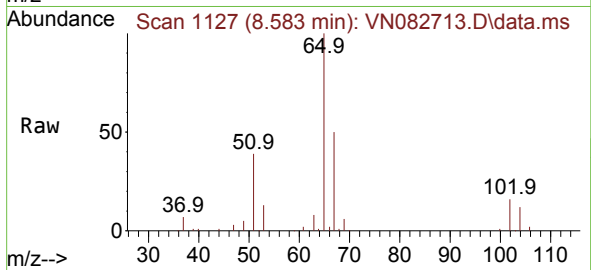




#33
 1,2-Dichloroethane-d4
 Concen: 58.277 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082713.D
 Acq: 25 Jun 2024 13:20

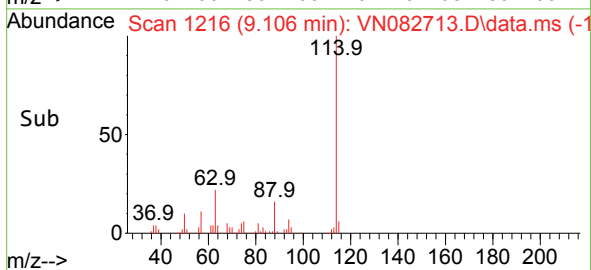
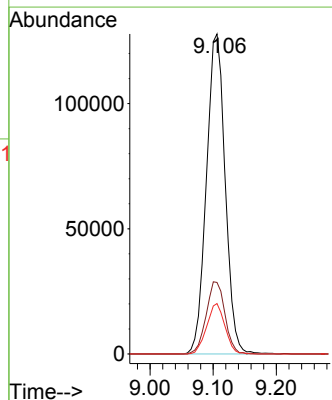
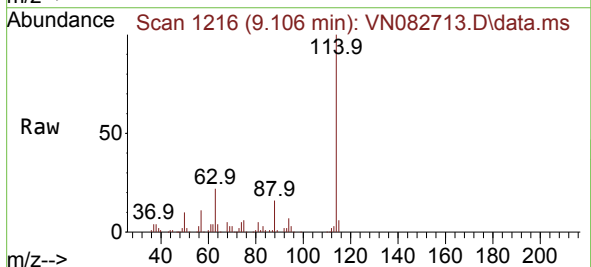
Instrument :
 MSVOA_N
 ClientSampleId :

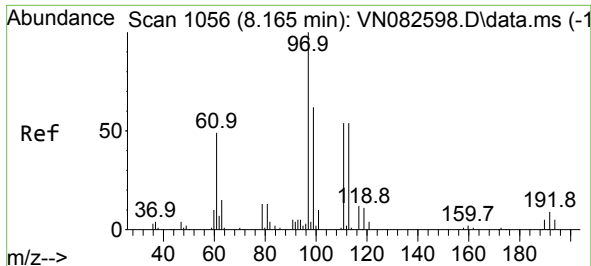
Tgt Ion: 65 Resp: 124285
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082713.D
 Acq: 25 Jun 2024 13:20

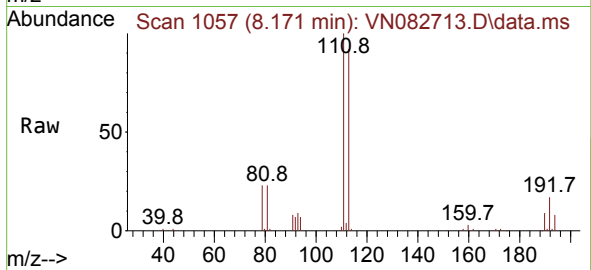
Tgt Ion: 114 Resp: 263214
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.6
 88 15.8 0.0 31.4



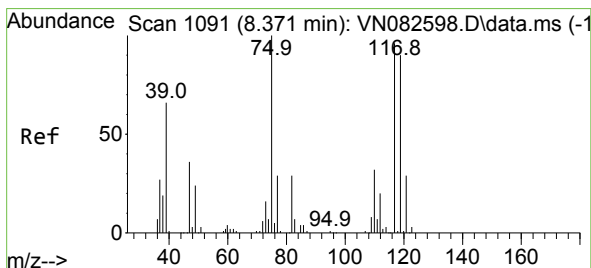
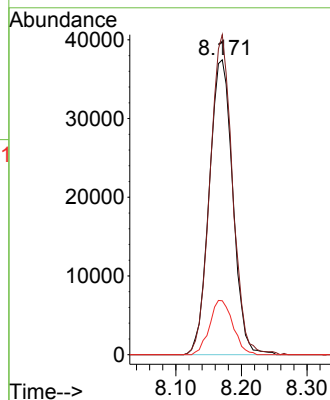
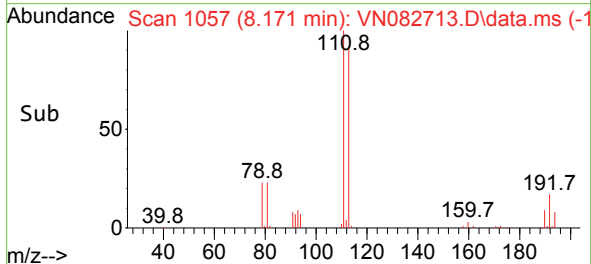


#35
Dibromofluoromethane
Concen: 52.338 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :

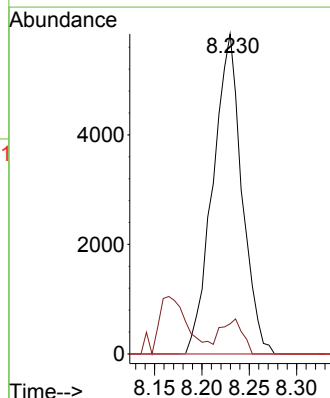
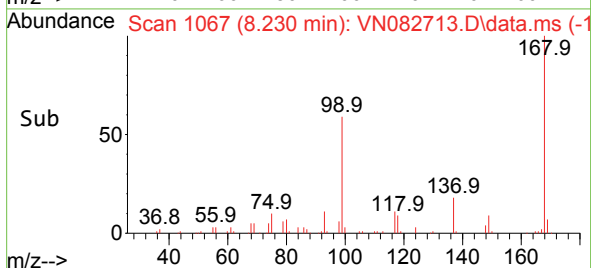
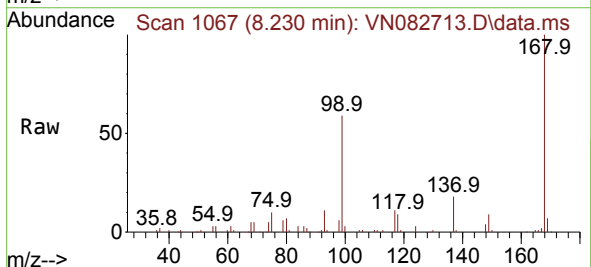


Tgt Ion:113 Resp: 93455
Ion Ratio Lower Upper
113 100
111 104.1 82.4 123.6
192 18.2 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.668 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Tgt Ion: 75 Resp: 12459
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.199 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.000 min

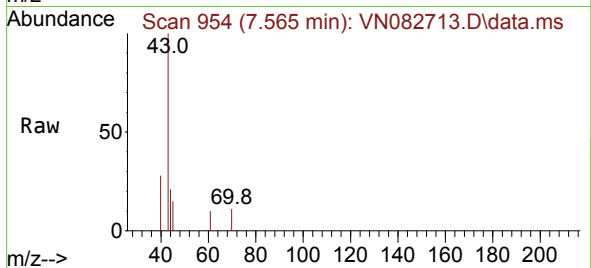
Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

Instrument :

MSVOA_N

ClientSampleId :



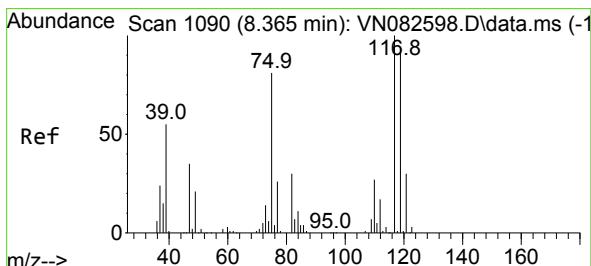
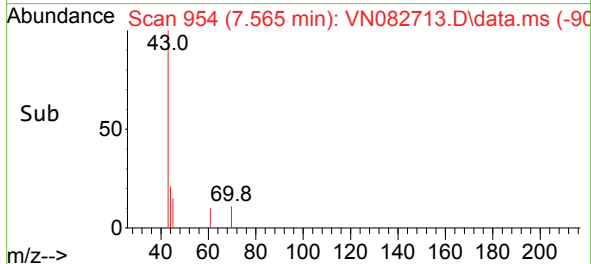
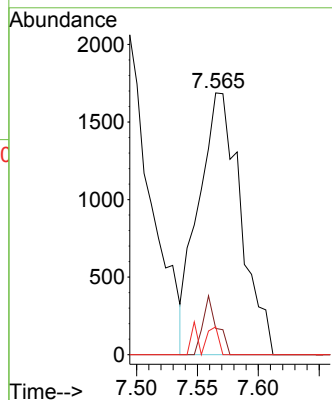
Tgt Ion: 43 Resp: 4077

Ion Ratio Lower Upper

43 100

61 7.5 9.3 13.9#

70 2.9 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.006 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

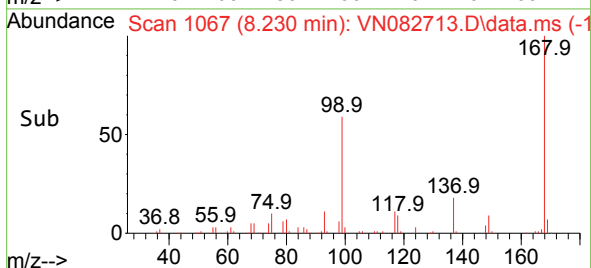
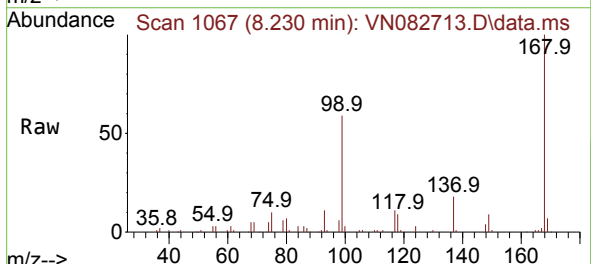
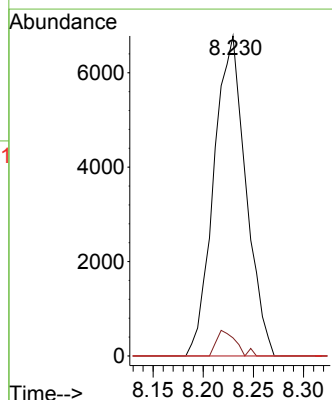
Tgt Ion: 117 Resp: 15060

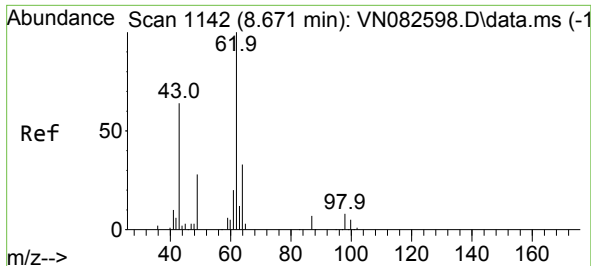
Ion Ratio Lower Upper

117 100

119 5.7 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.302 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

Instrument :

MSVOA_N

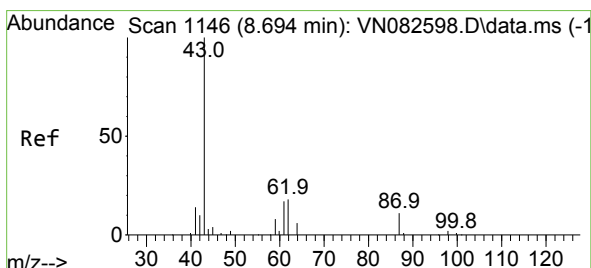
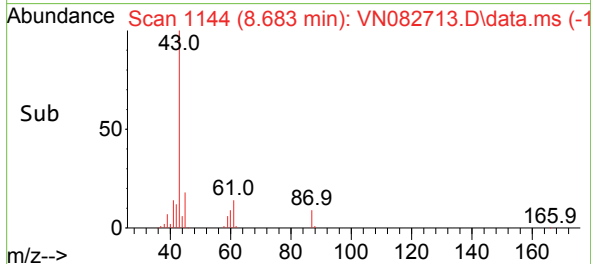
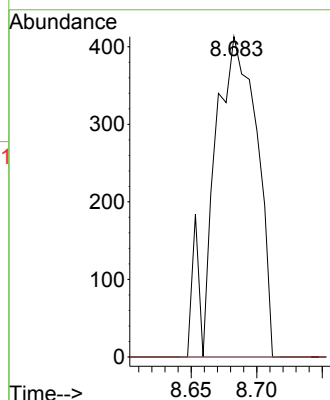
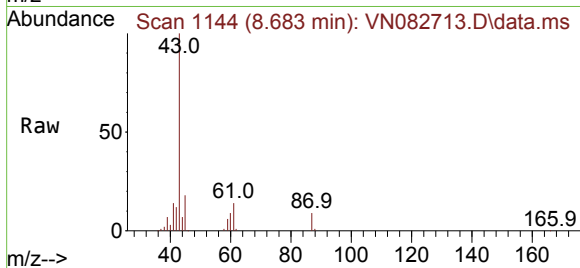
ClientSampleId :

Tgt Ion: 62 Resp: 948

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 43.166 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

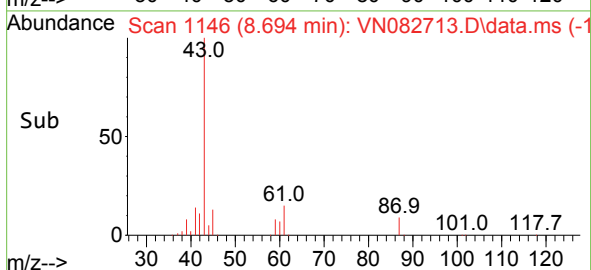
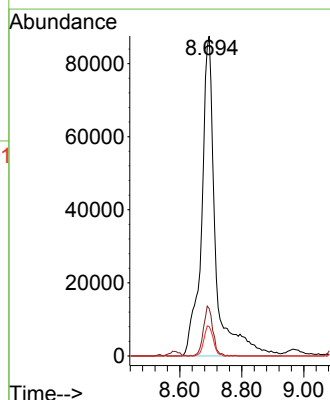
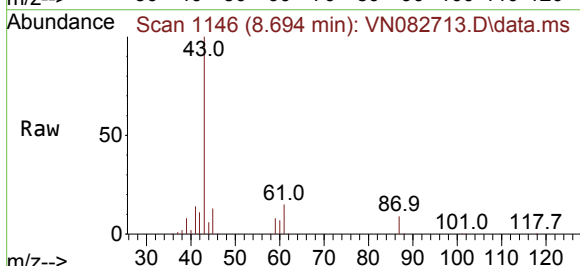
Tgt Ion: 43 Resp: 274296

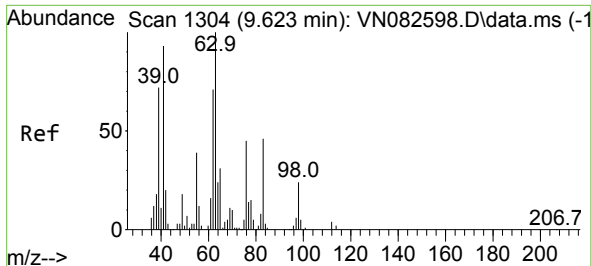
Ion Ratio Lower Upper

43 100

61 10.5 17.8 26.6#

87 6.3 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.907 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

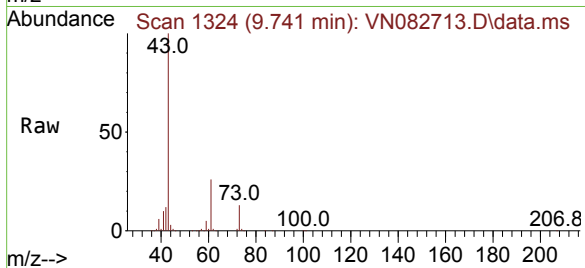
Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

Instrument :

MSVOA_N

ClientSampleId :

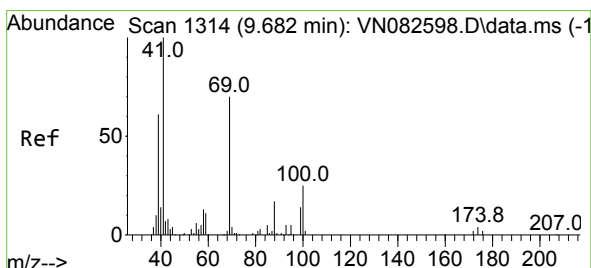
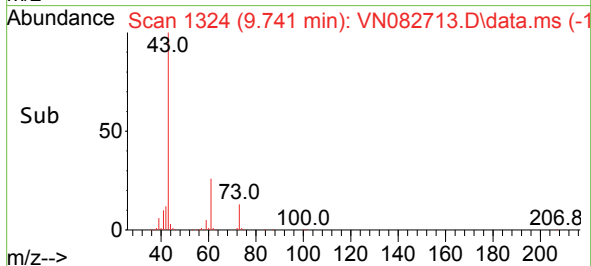
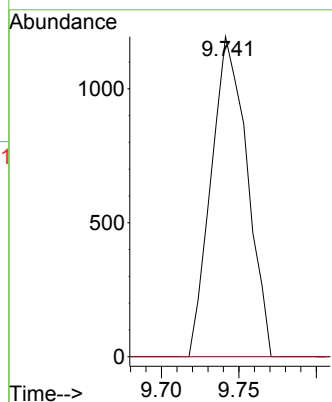


Tgt Ion: 63 Resp: 1925

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 59.008 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

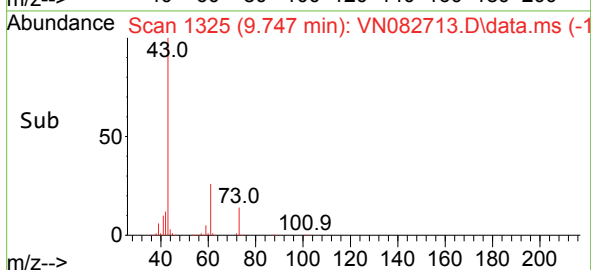
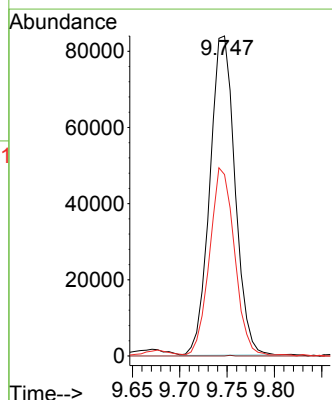
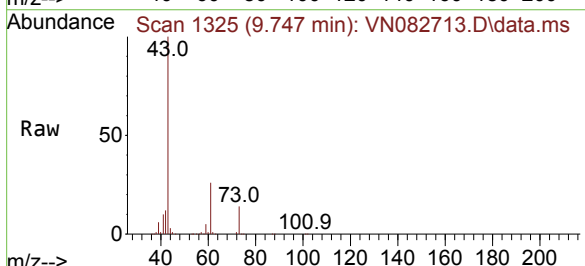
Tgt Ion: 41 Resp: 154574

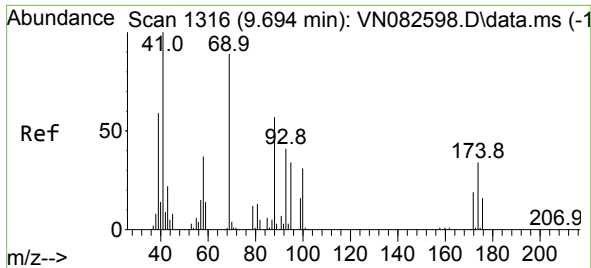
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 57.9 50.3 75.5





#49

1,4-Dioxane

Concen: 1.416 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.053 min

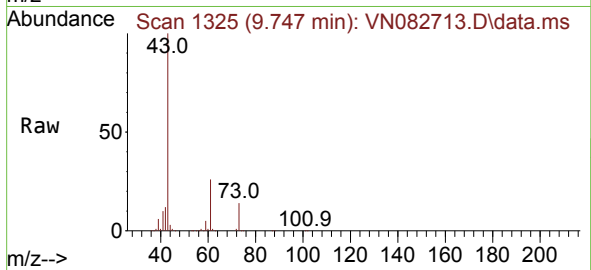
Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

Instrument :

MSVOA_N

ClientSampleId :



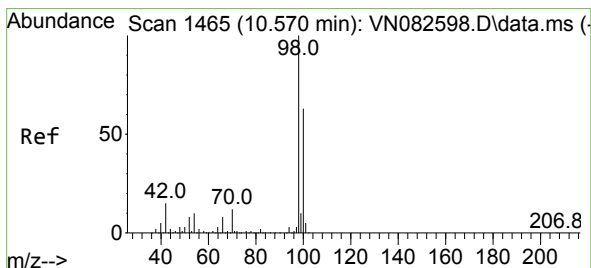
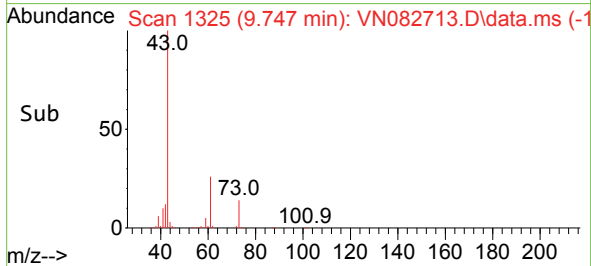
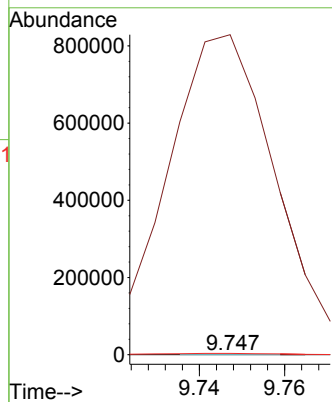
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 2584491.4 27.8 41.8#

58 12112.1 59.4 89.0#



#50

Toluene-d8

Concen: 53.285 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082713.D

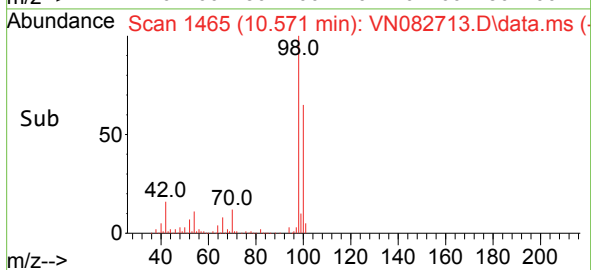
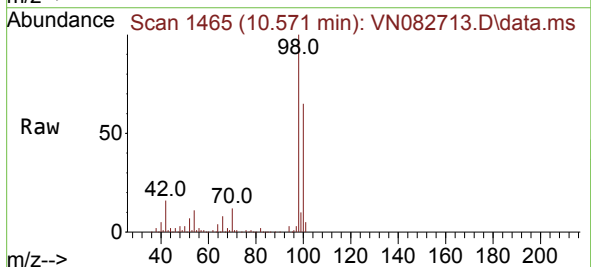
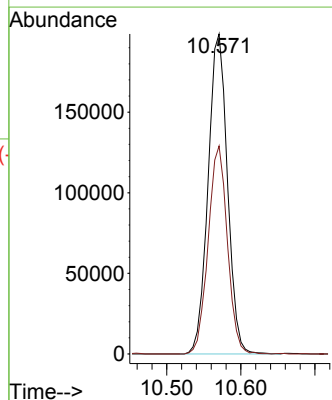
Acq: 25 Jun 2024 13:20

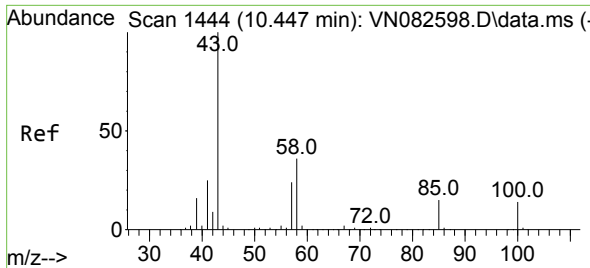
Tgt Ion: 98 Resp: 359811

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3

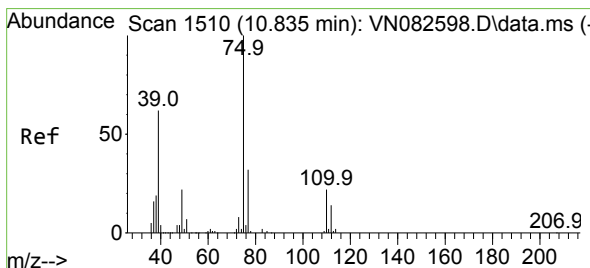
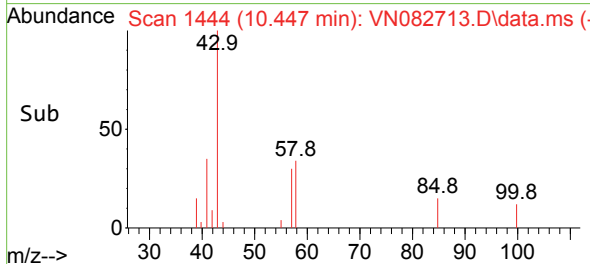
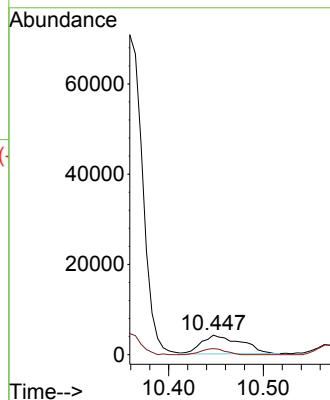
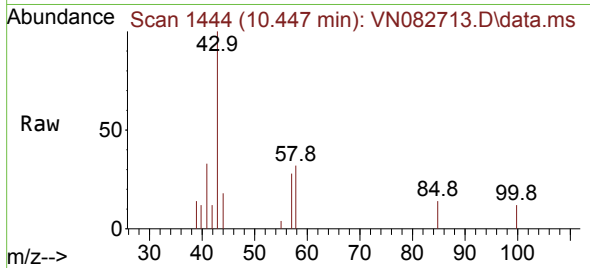




#51
4-Methyl-2-Pentanone
Concen: 3.703 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

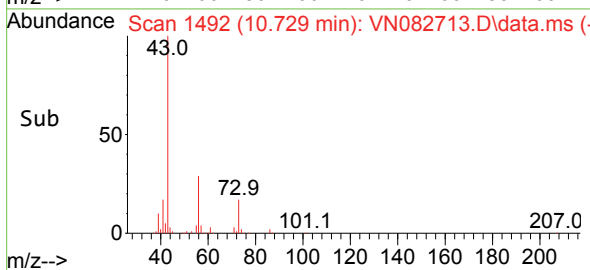
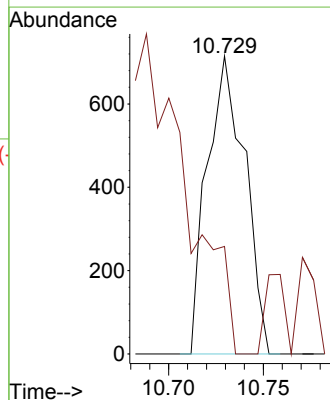
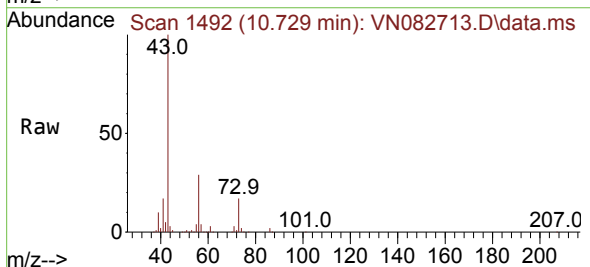
Instrument :
MSVOA_N
ClientSampleId :

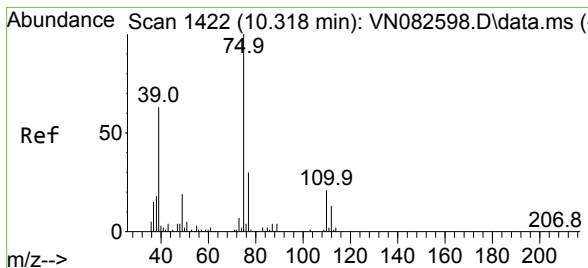
Tgt Ion: 43 Resp: 12070
Ion Ratio Lower Upper
43 100
58 19.7 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.315 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Tgt Ion: 75 Resp: 987
Ion Ratio Lower Upper
75 100
77 9.4 25.7 38.5#

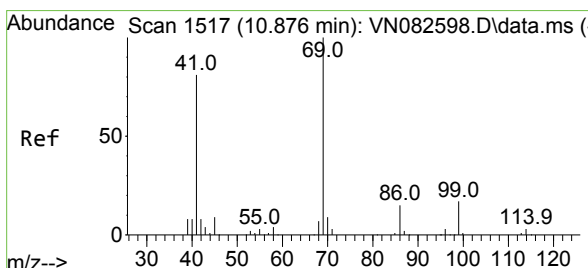
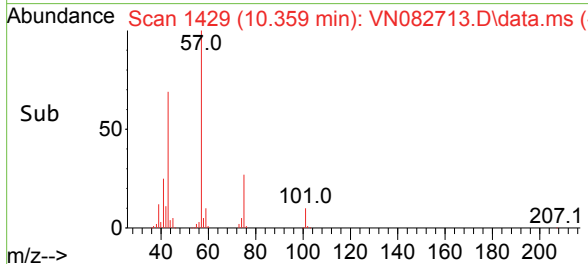
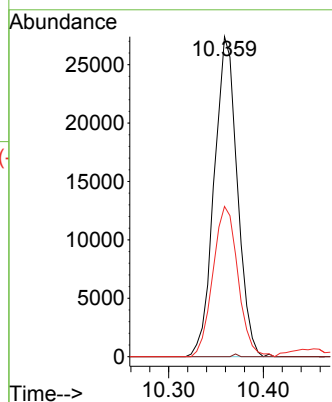
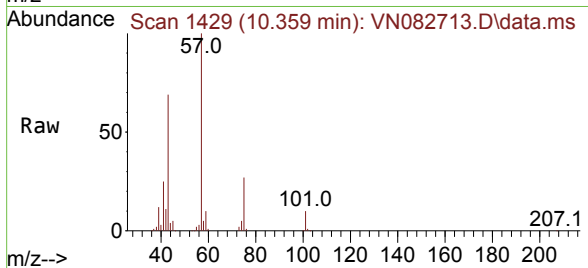




#54
 cis-1,3-Dichloropropene
 Concen: 14.346 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082713.D
 Acq: 25 Jun 2024 13:20

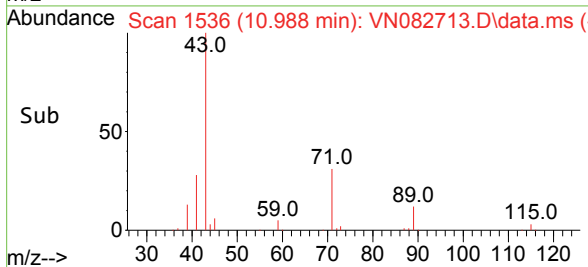
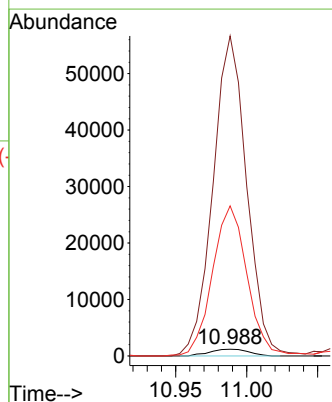
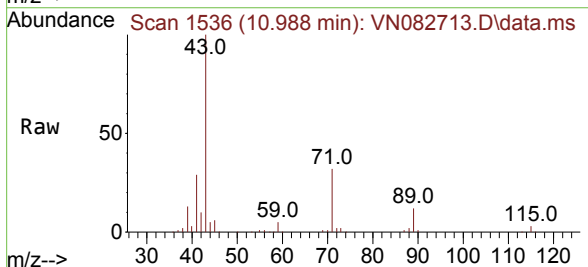
Instrument :
 MSVOA_N
 ClientSampleId :

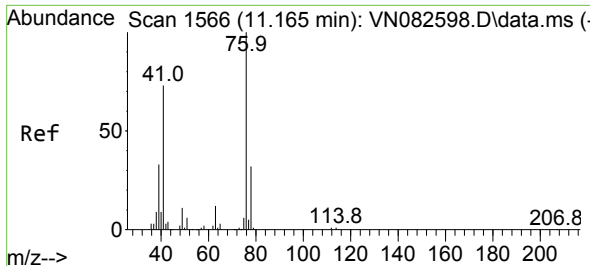
Tgt Ion: 75 Resp: 46530
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 47.0 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.769 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082713.D
 Acq: 25 Jun 2024 13:20

Tgt Ion: 69 Resp: 2305
 Ion Ratio Lower Upper
 69 100
 41 4070.3 63.4 95.2#
 39 1971.0 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.833 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

Instrument :

MSVOA_N

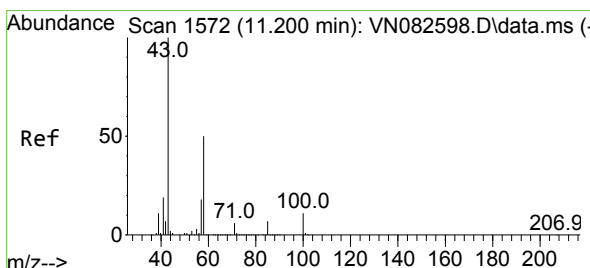
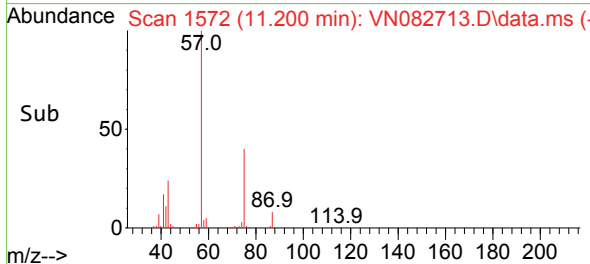
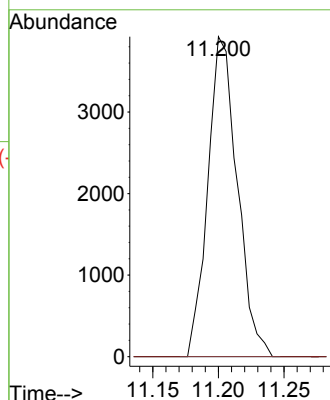
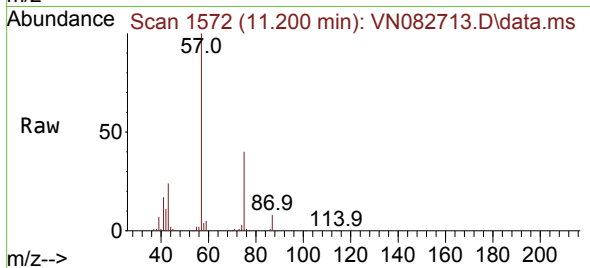
ClientSampleId :

Tgt Ion: 76 Resp: 6131

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 42.910 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN082713.D

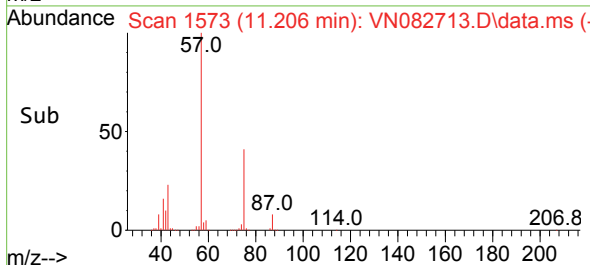
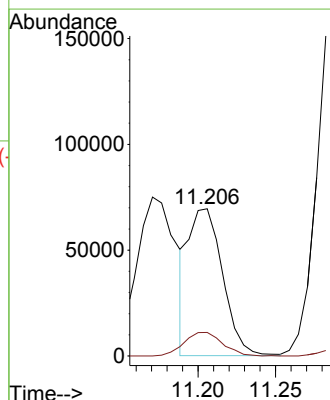
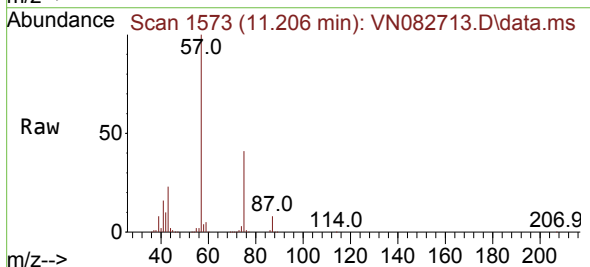
Acq: 25 Jun 2024 13:20

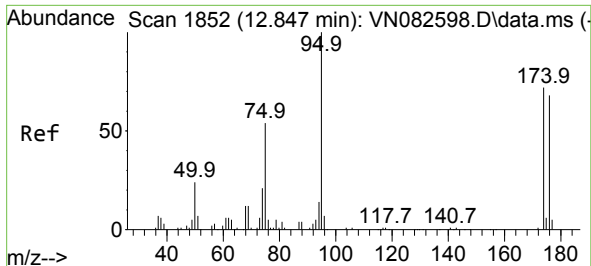
Tgt Ion: 43 Resp: 106297

Ion Ratio Lower Upper

43 100

58 18.1 24.6 73.8#

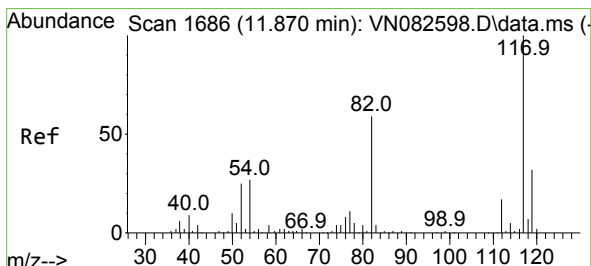
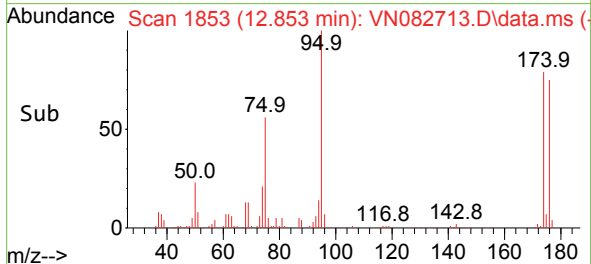
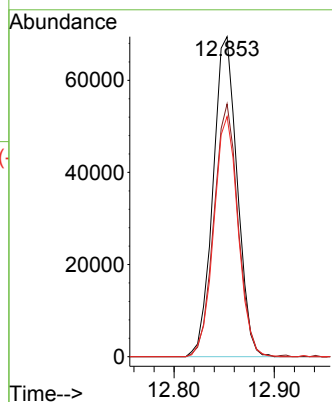
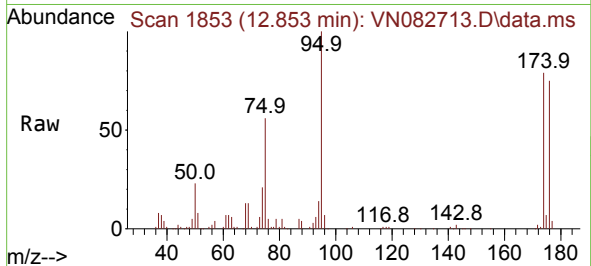




#62
4-Bromofluorobenzene
Concen: 49.970 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

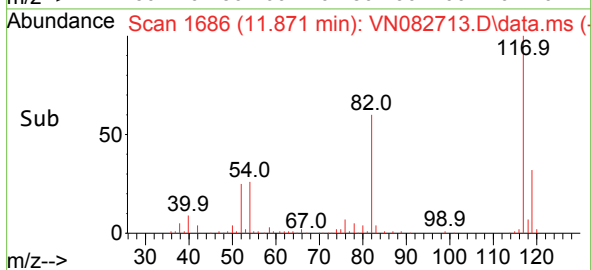
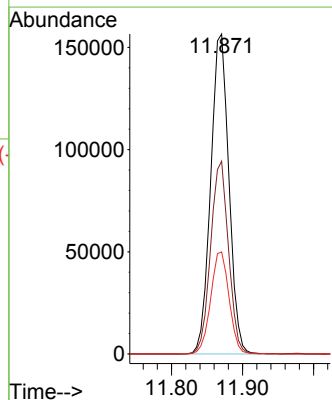
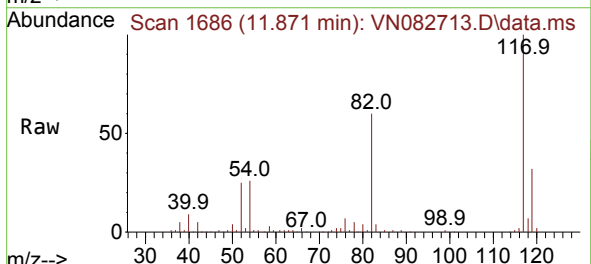
Instrument :
MSVOA_N
ClientSampleId :

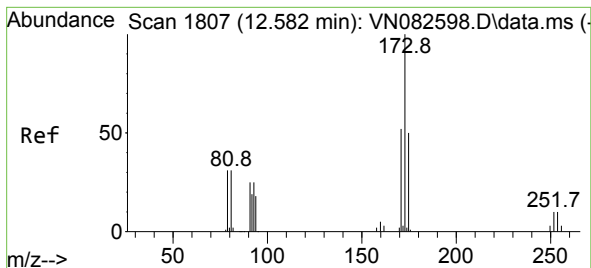
Tgt Ion: 95 Resp: 116333
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.2
176 75.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082713.D
Acq: 25 Jun 2024 13:20

Tgt Ion: 117 Resp: 278428
Ion Ratio Lower Upper
117 100
82 60.2 47.5 71.3
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.507 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

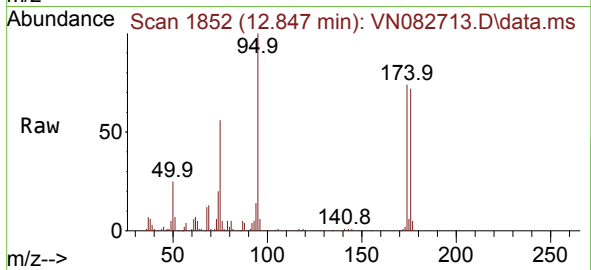
Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

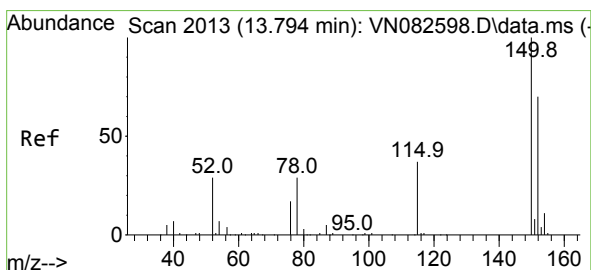
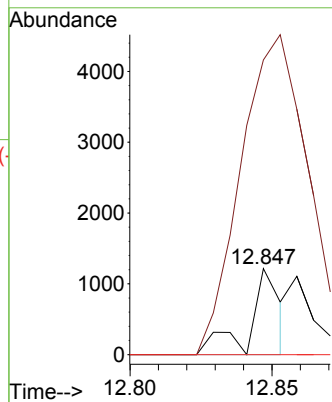
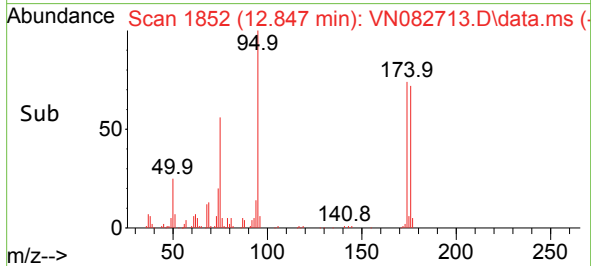
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	913
Ion Ratio	Lower	Upper	
173	100		
175	682.8	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

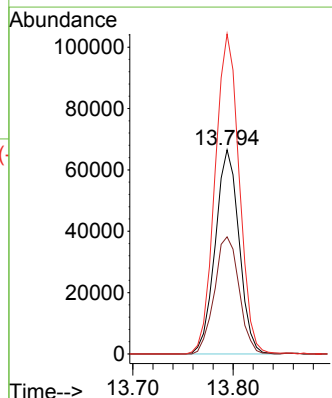
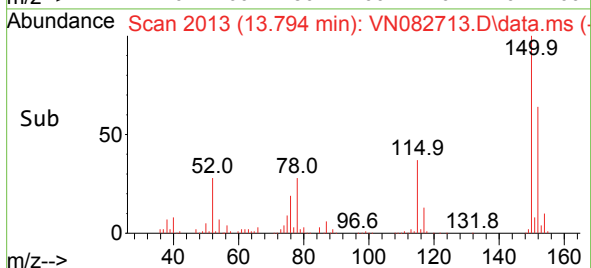
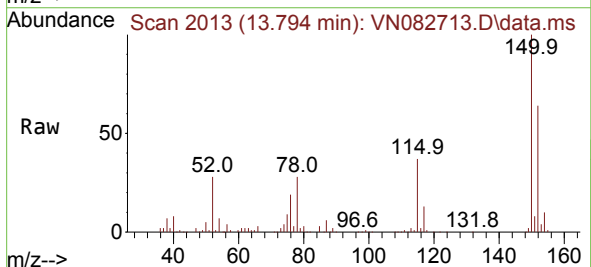
RT: 13.794 min Scan# 2013

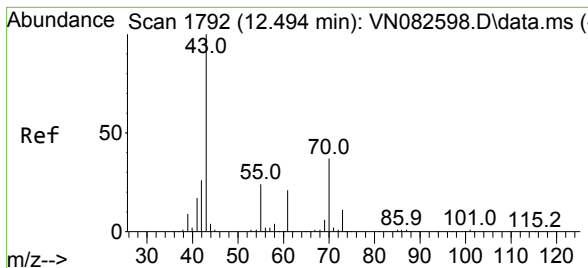
Delta R.T. 0.000 min

Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

Tgt Ion:	152	Resp:	109698
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.6	91.6
150	159.2	0.0	348.6





#74

N-amy1 acetate

Concen: 0.322 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN082713.D

Acq: 25 Jun 2024 13:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1432

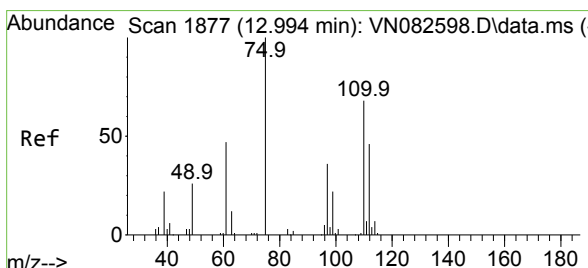
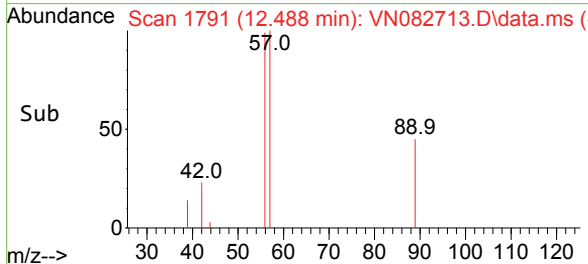
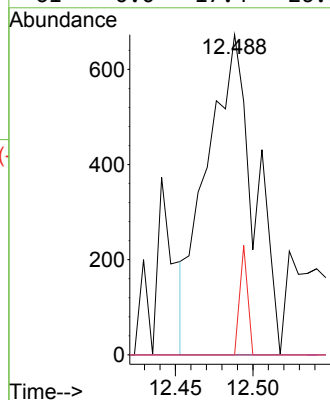
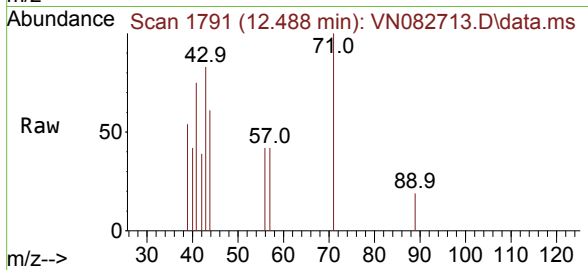
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.6#

55 5.7 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 24.979 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082713.D

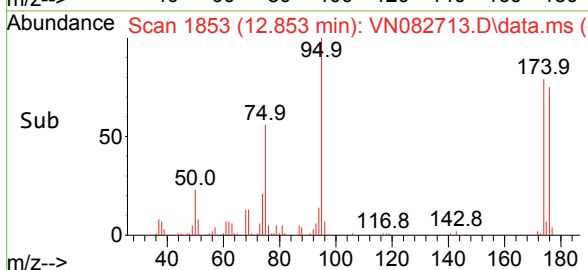
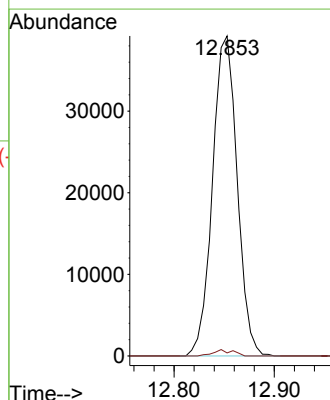
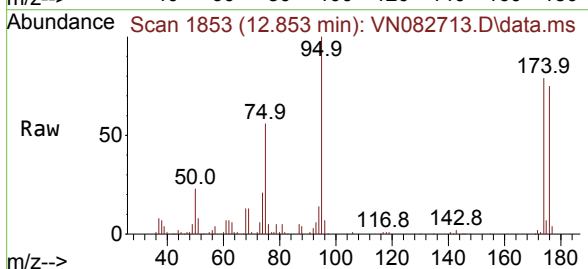
Acq: 25 Jun 2024 13:20

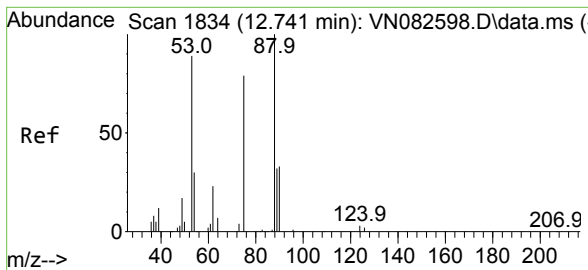
Tgt Ion: 75 Resp: 67019

Ion Ratio Lower Upper

75 100

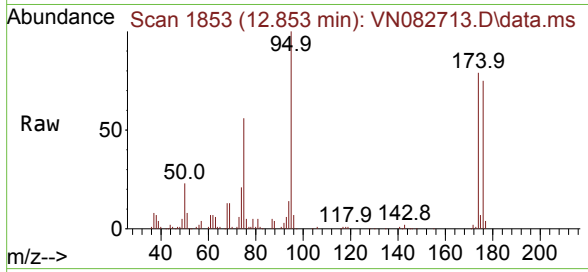
77 1.6 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.760 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082713.D
 Acq: 25 Jun 2024 13:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	67019
Ion	Ratio	Lower	Upper
75	100		
53	0.3	88.4	132.6#
89	0.0	36.3	54.5#

