

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070324\
 Data File : VN082800.D
 Acq On : 03 Jul 2024 14:02
 Operator : JC\MD
 Sample : PB161888ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:58:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

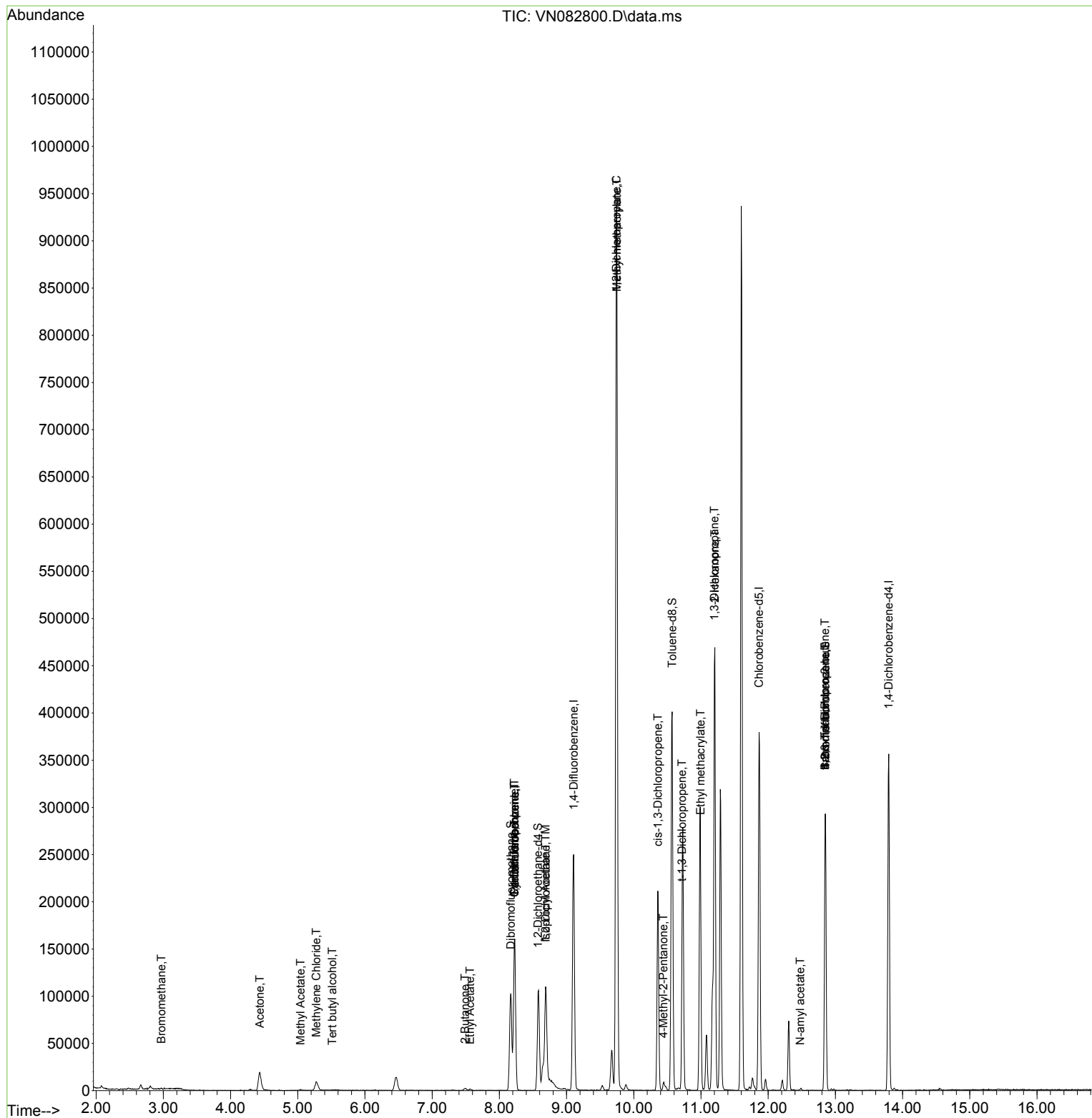
Internal Standards						
1) Pentafluorobenzene	8.230	168	115373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	215668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	214852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	88365	49.665	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.320%			
35) Dibromofluoromethane	8.171	113	72910	51.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	10.571	98	276613	52.090	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.180%			
62) 4-Bromofluorobenzene	12.853	95	99955	54.810	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.620%			
Target Compounds						Qvalue
5) Bromomethane	2.971	94	453	0.326	ug/l #	61
11) Tert butyl alcohol	5.512	59	69	0.243	ug/l #	71
16) Acetone	4.436	43	36864	54.686	ug/l	94
18) Methyl Acetate	5.042	43	1388	0.775	ug/l #	65
20) Methylene Chloride	5.277	84	7189	4.215	ug/l #	80
25) 2-Butanone	7.488	43	4072	3.954	ug/l	94
31) Cyclohexane	8.224	56	3005	1.199	ug/l #	25
36) 1,1-Dichloropropene	8.224	75	9633	4.720	ug/l #	50
37) Ethyl Acetate	7.565	43	2569	1.165	ug/l #	75
38) Carbon Tetrachloride	8.224	117	12255	5.134	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	549	0.228	ug/l #	78
43) Isopropyl Acetate	8.688	43	153076	39.906	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1053	0.649	ug/l #	44
48) Methyl methacrylate	9.747	41	89862	52.935	ug/l #	52
51) 4-Methyl-2-Pentanone	10.441	43	9212	4.083	ug/l #	81
53) t-1,3-Dichloropropene	10.718	75	737	0.323	ug/l #	66
54) cis-1,3-Dichloropropene	10.359	75	36950	15.386	ug/l #	59
56) Ethyl methacrylate	10.994	69	926	0.404	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4596	1.715	ug/l #	43
59) 2-Hexanone	11.206	43	65053	38.885	ug/l #	57
71) Bromoform	12.847	173	453	0.346	ug/l #	1
74) N-amyl acetate	12.476	43	1354	0.439	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	56286	27.219	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	56286	70.984	ug/l #	6

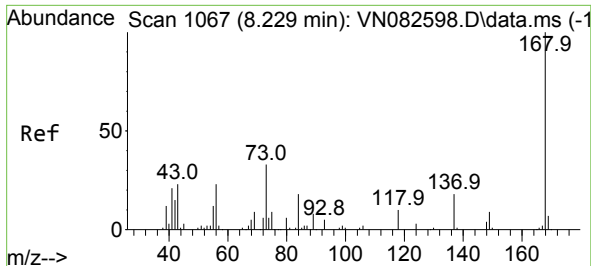
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN082800.D
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Instrument :
MSVOA_N
ClientSampleId :

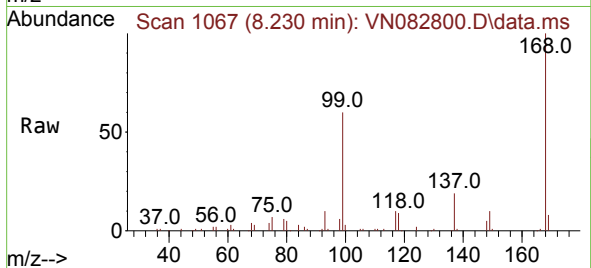
Quant Time: Jul 03 23:58:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration



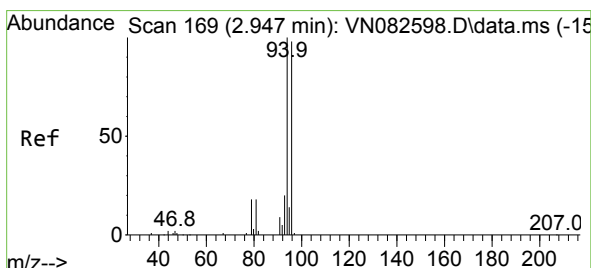
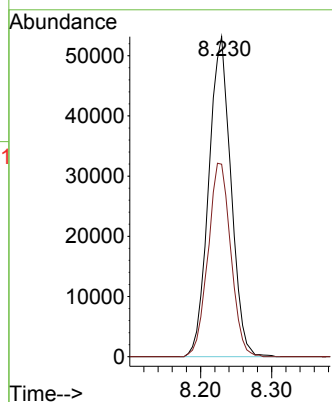
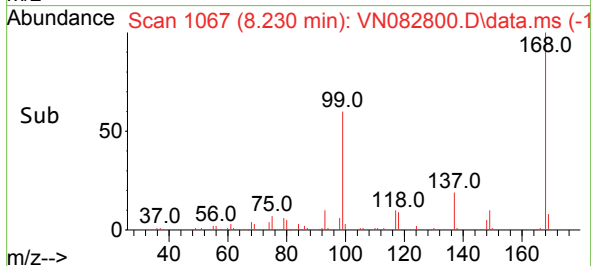


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Instrument :
MSVOA_N
ClientSampleId :

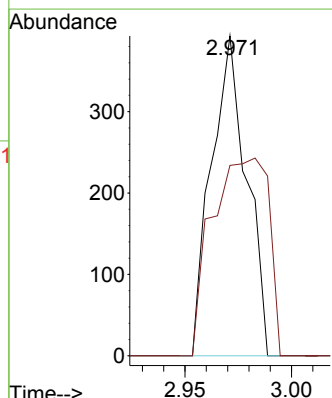
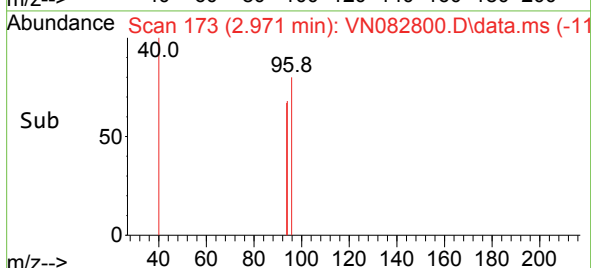
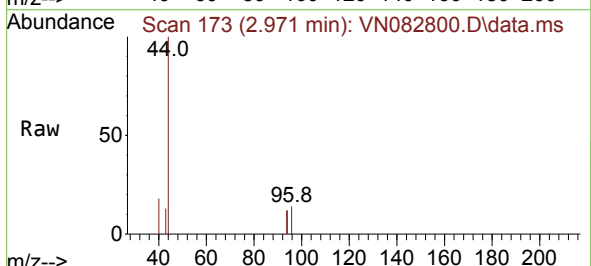


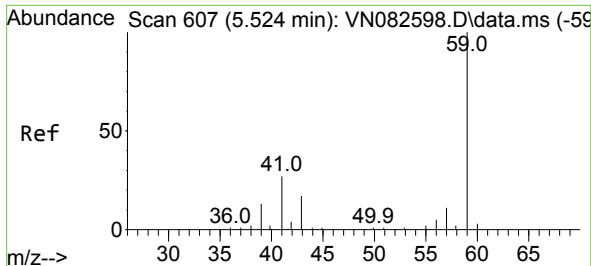
Tgt Ion:168 Resp: 115373
Ion Ratio Lower Upper
168 100
99 60.2 48.2 72.4



#5
Bromomethane
Concen: 0.326 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

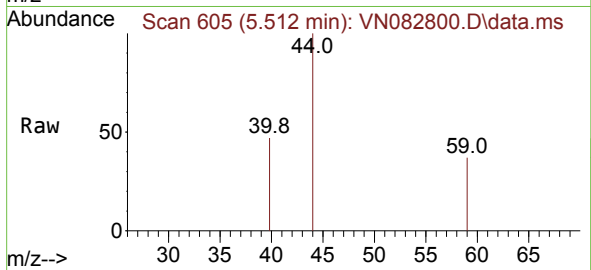
Tgt Ion: 94 Resp: 453
Ion Ratio Lower Upper
94 100
96 59.5 78.0 117.0#



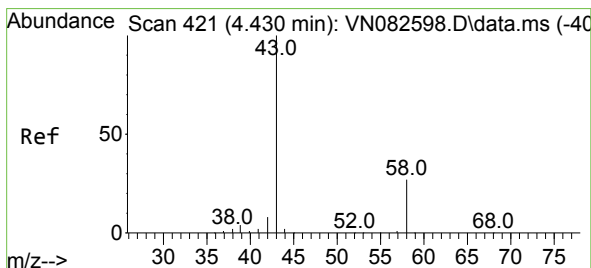
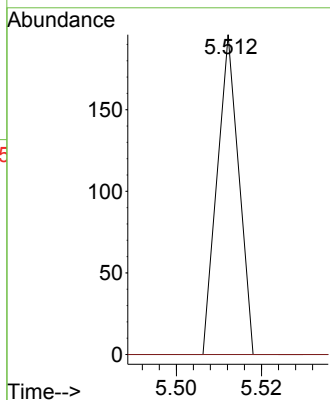
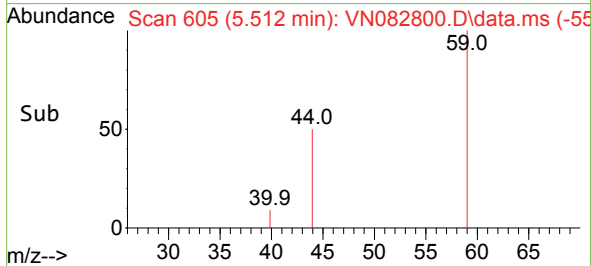


#11
Tert butyl alcohol
Concen: 0.243 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

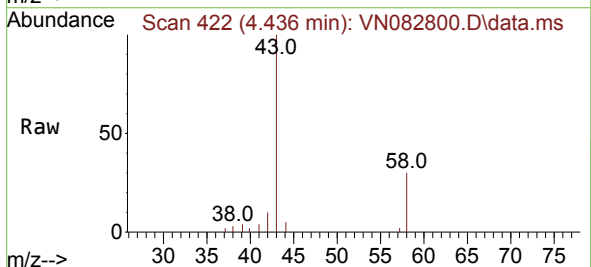
Instrument :
MSVOA_N
ClientSampleId :



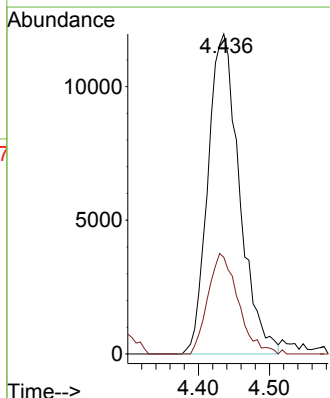
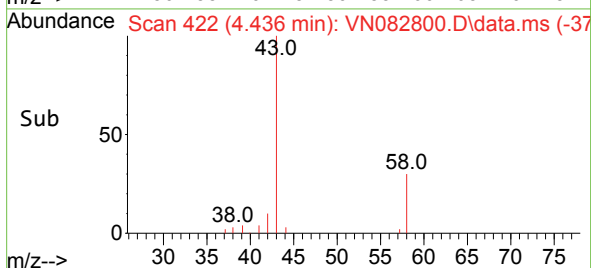
Tgt Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

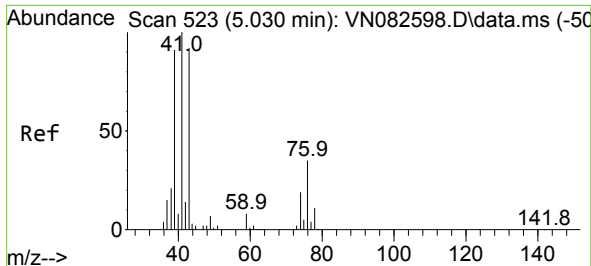


#16
Acetone
Concen: 54.686 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02



Tgt Ion: 43 Resp: 36864
Ion Ratio Lower Upper
43 100
58 30.2 21.8 32.6





#18

Methyl Acetate

Concen: 0.775 ug/l

RT: 5.042 min Scan# 51

Delta R.T. 0.012 min

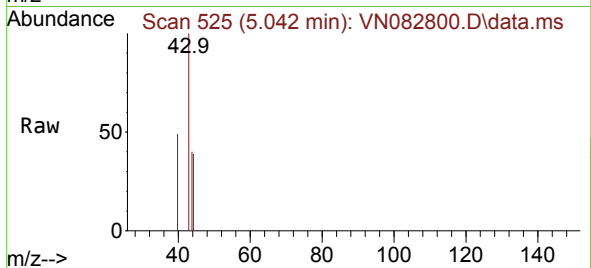
Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

Instrument :

MSVOA_N

ClientSampleId :

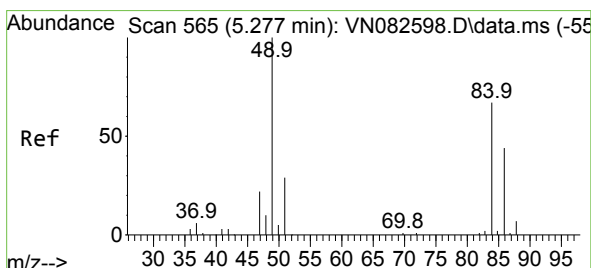
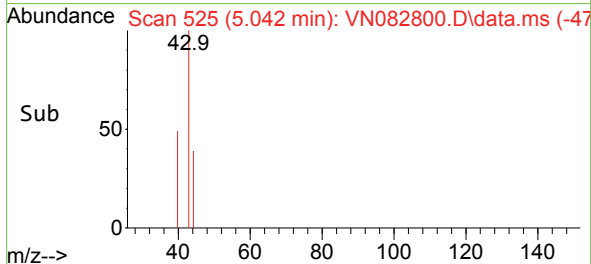
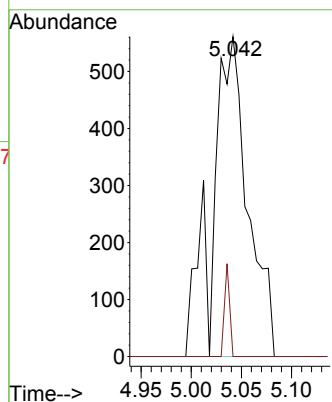


Tgt Ion: 43 Resp: 1388

Ion Ratio Lower Upper

43 100

74 4.1 16.3 24.5#



#20

Methylene Chloride

Concen: 4.215 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

Tgt Ion: 84 Resp: 7189

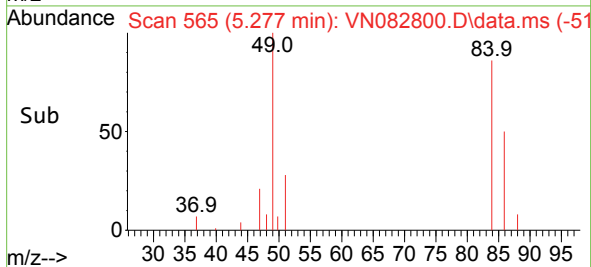
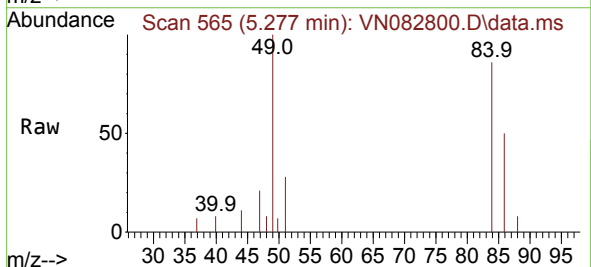
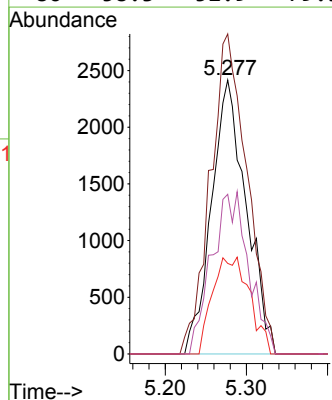
Ion Ratio Lower Upper

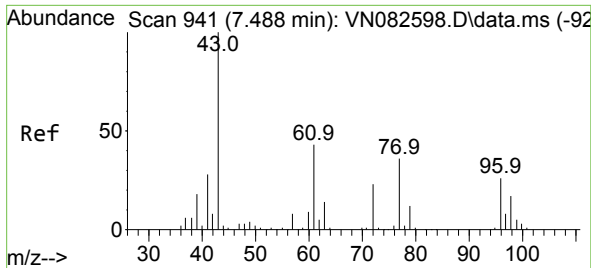
84 100

49 116.8 119.6 179.4#

51 33.1 34.8 52.2#

86 58.3 52.9 79.3

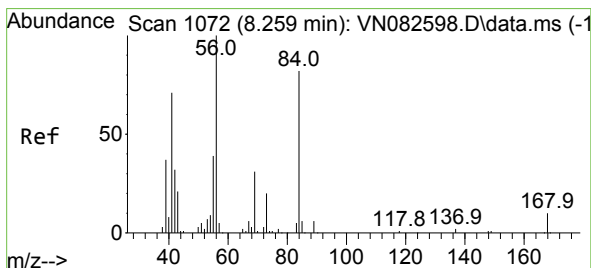
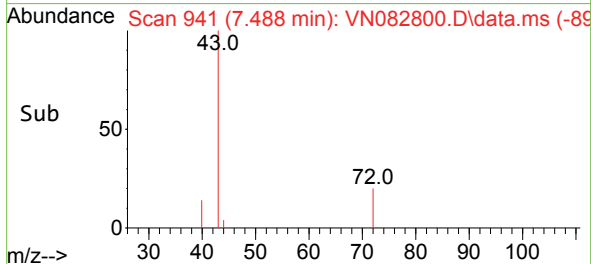
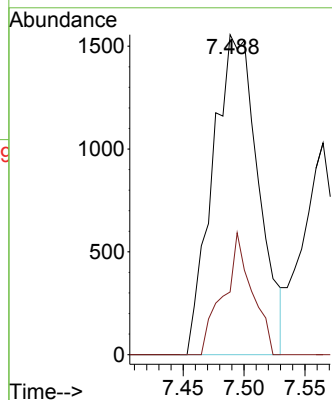
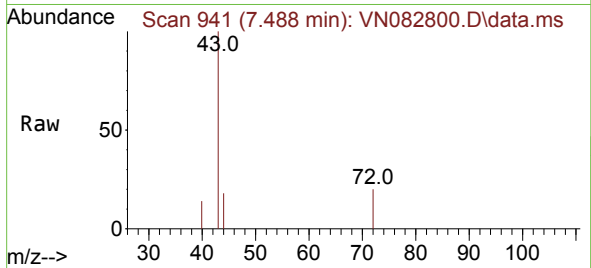




#25
2-Butanone
Concen: 3.954 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

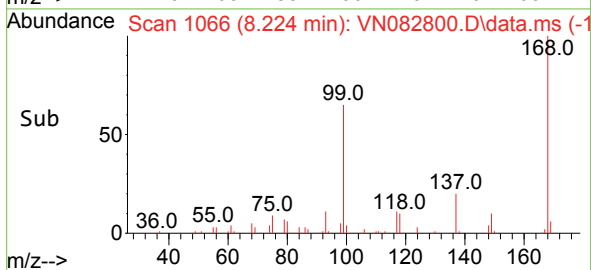
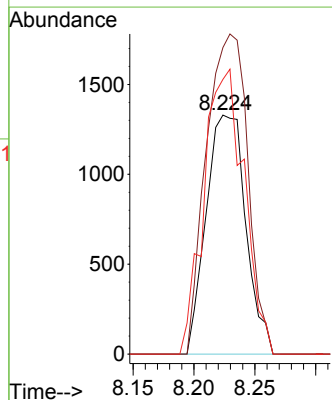
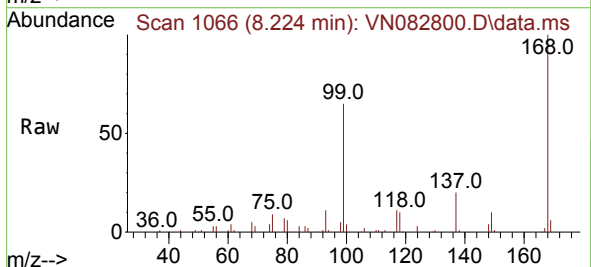
Instrument :
MSVOA_N
ClientSampleId :

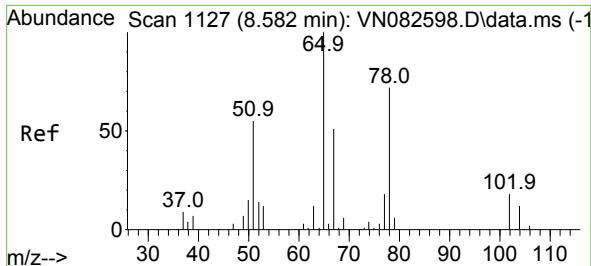
Tgt Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
72 19.6 18.2 27.2



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Tgt Ion: 56 Resp: 3005
Ion Ratio Lower Upper
56 100
69 128.2 24.5 36.7#
84 114.9 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 49.665 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

Instrument :

MSVOA_N

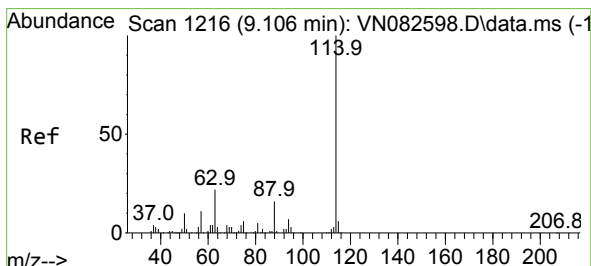
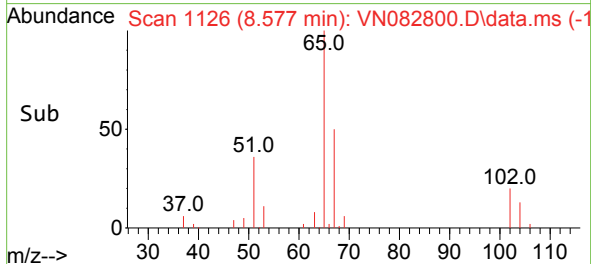
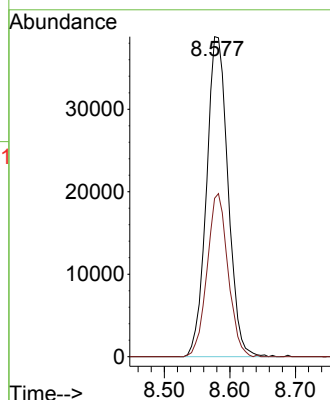
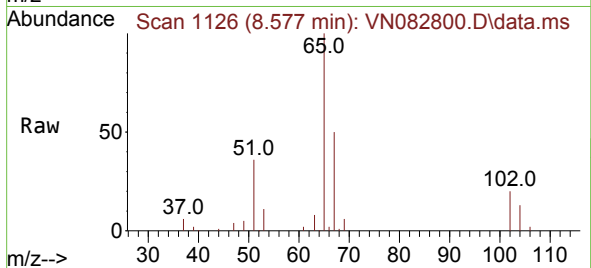
ClientSampleId :

Tgt Ion: 65 Resp: 88365

Ion Ratio Lower Upper

65 100

67 49.6 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: VN082800.D

Acq: 03 Jul 2024 14:02

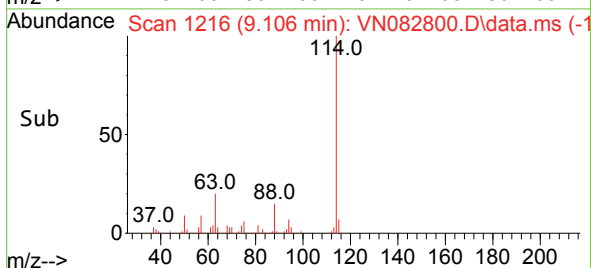
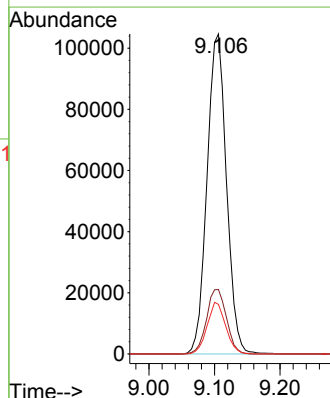
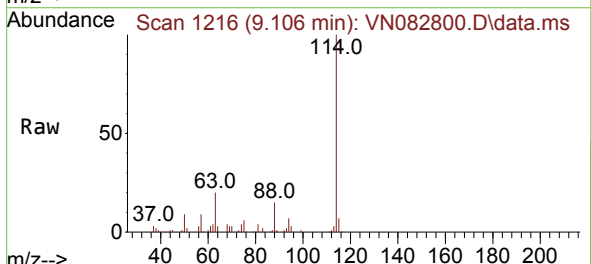
Tgt Ion: 114 Resp: 215668

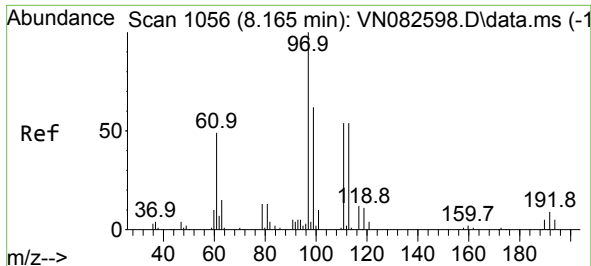
Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.6

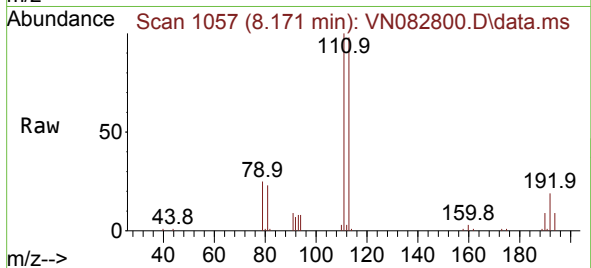
88 15.5 0.0 31.4



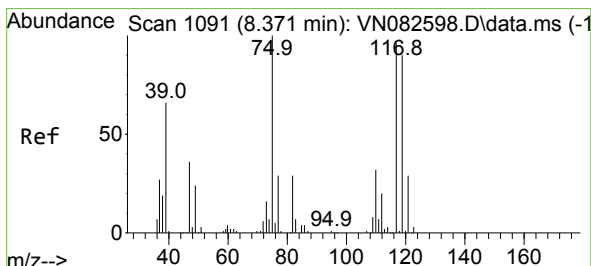
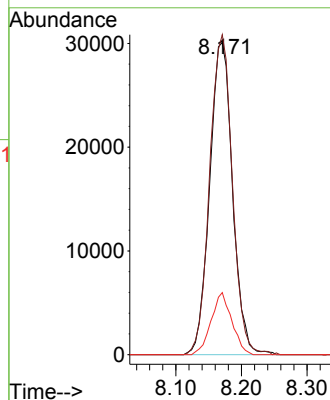
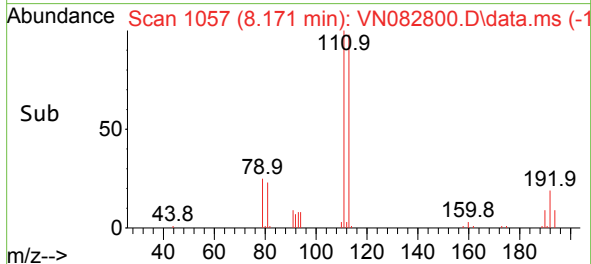


#35
Dibromofluoromethane
Concen: 51.347 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Instrument :
MSVOA_N
ClientSampleId :

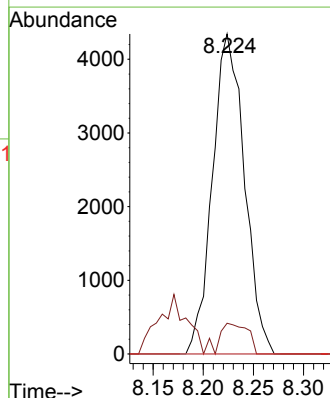
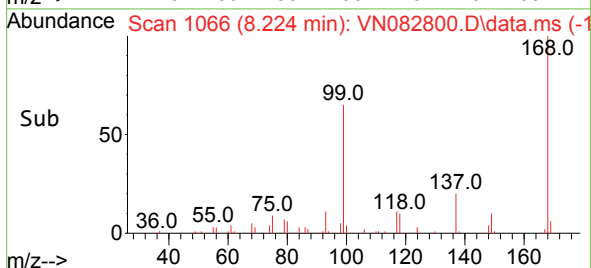
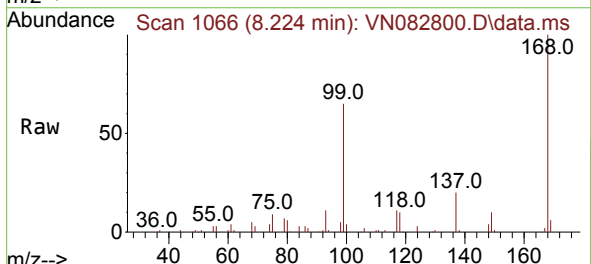


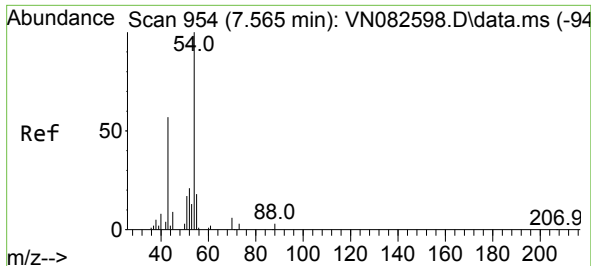
Tgt Ion:113 Resp: 72910
Ion Ratio Lower Upper
113 100
111 101.6 82.4 123.6
192 18.0 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.720 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Tgt Ion: 75 Resp: 9633
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.165 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

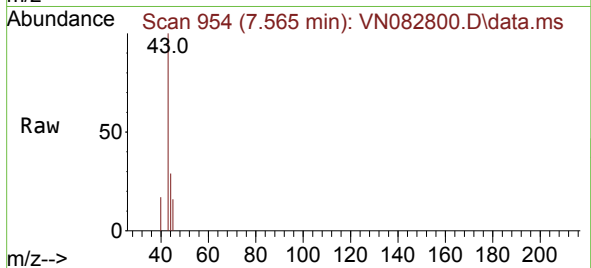
Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

Instrument :

MSVOA_N

ClientSampleId :



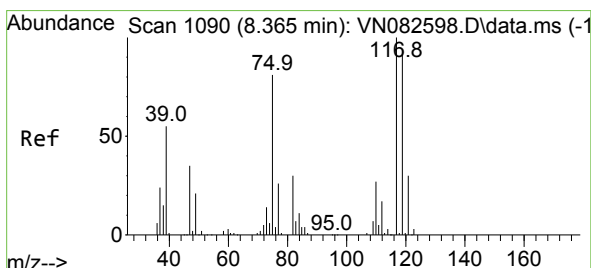
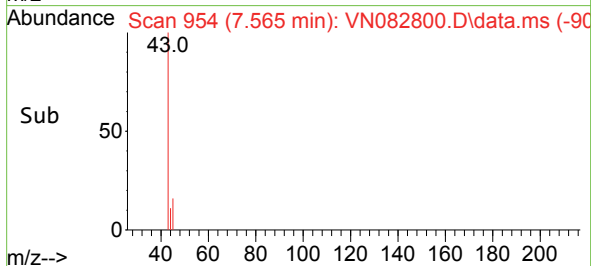
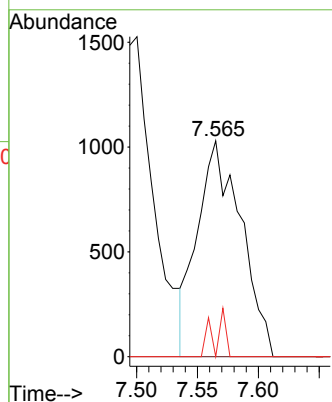
Tgt Ion: 43 Resp: 2569

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 2.6 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.134 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

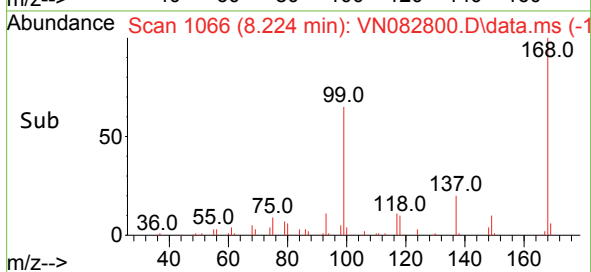
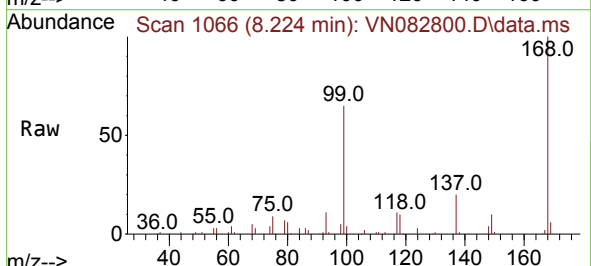
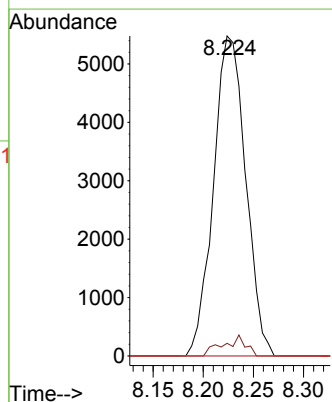
Tgt Ion: 117 Resp: 12255

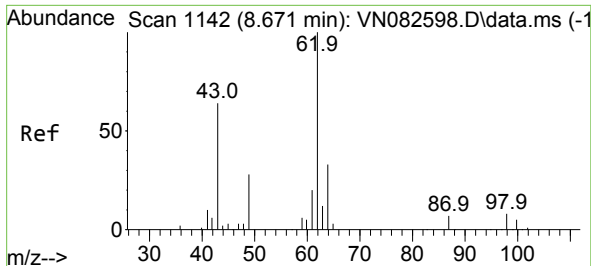
Ion Ratio Lower Upper

117 100

119 3.9 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

Instrument :

MSVOA_N

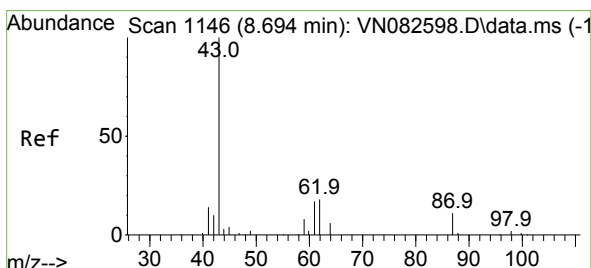
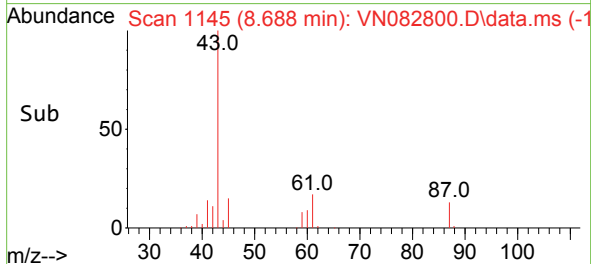
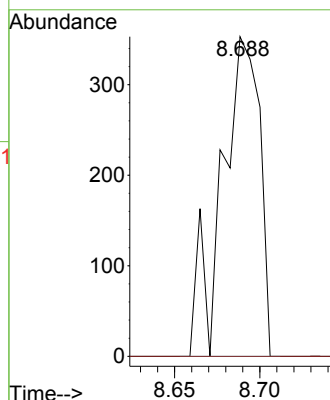
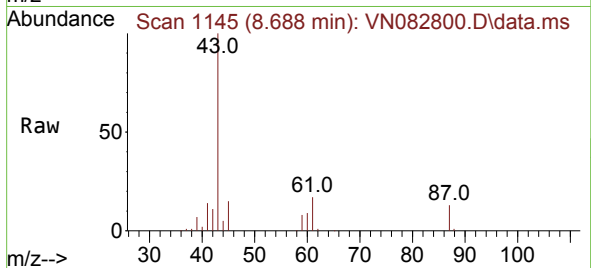
ClientSampleId :

Tgt Ion: 62 Resp: 549

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 39.906 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

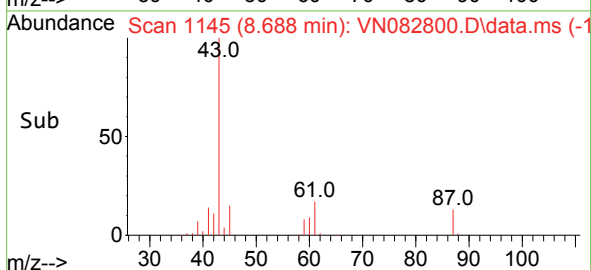
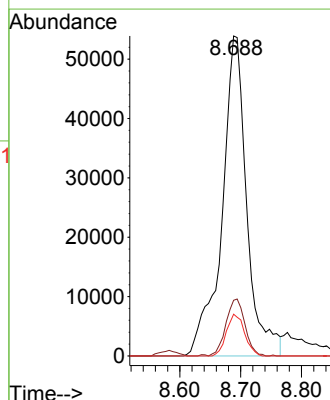
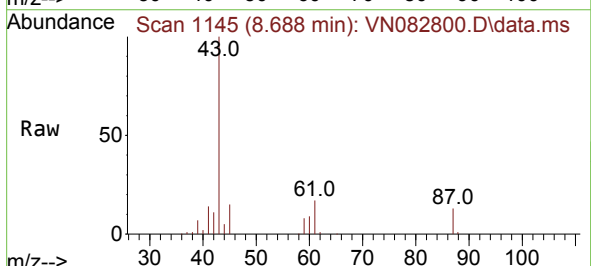
Tgt Ion: 43 Resp: 153076

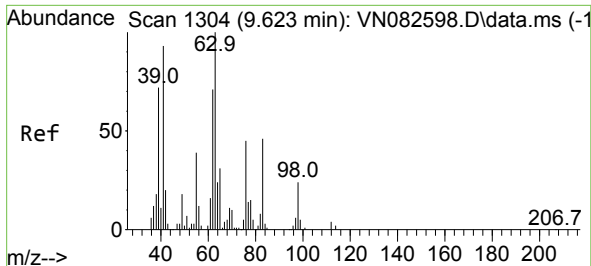
Ion Ratio Lower Upper

43 100

61 13.7 17.8 26.6#

87 9.5 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.649 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

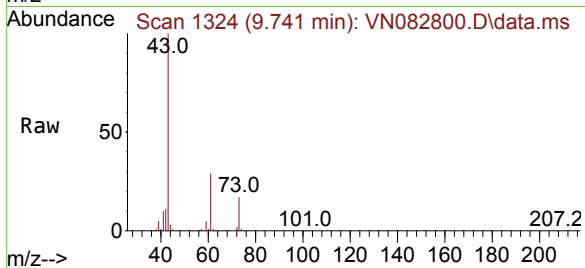
Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

Instrument :

MSVOA_N

ClientSampleId :

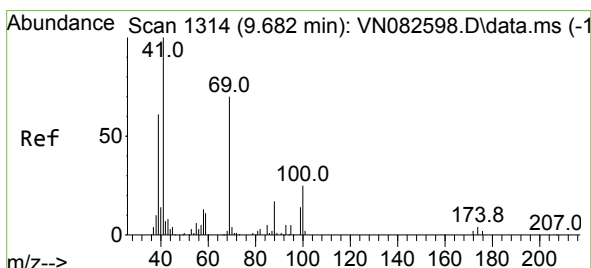
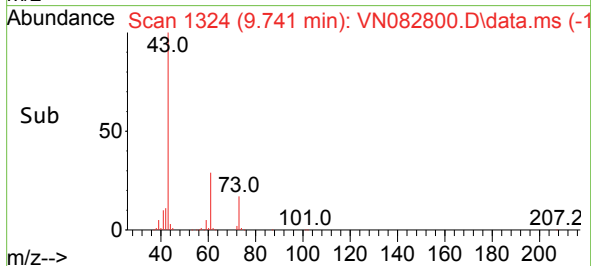
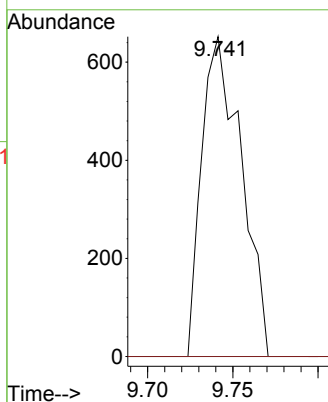


Tgt Ion: 63 Resp: 1053

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 52.935 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082800.D

Acq: 03 Jul 2024 14:02

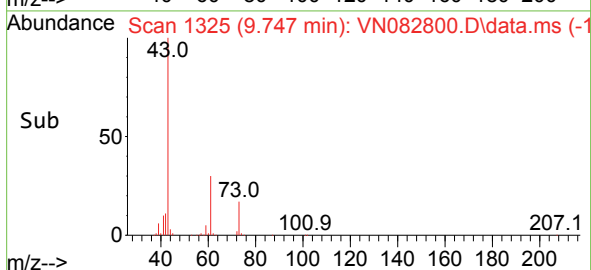
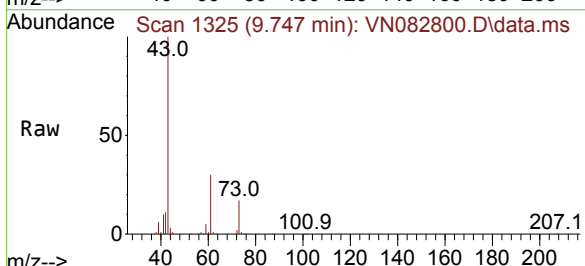
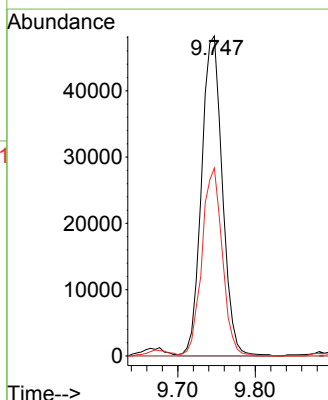
Tgt Ion: 41 Resp: 89862

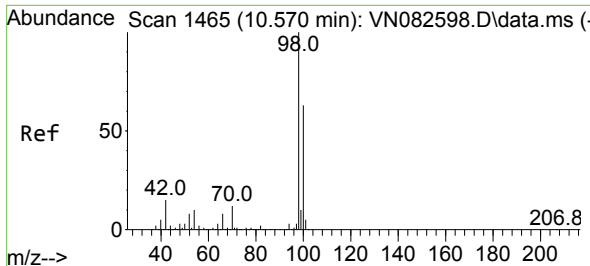
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 57.5 50.3 75.5

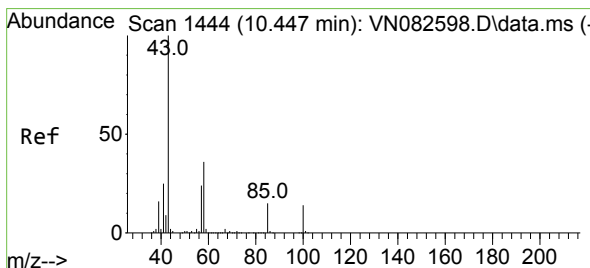
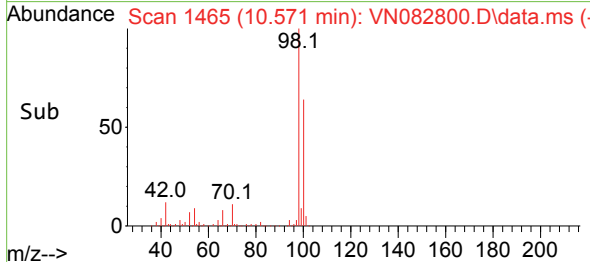
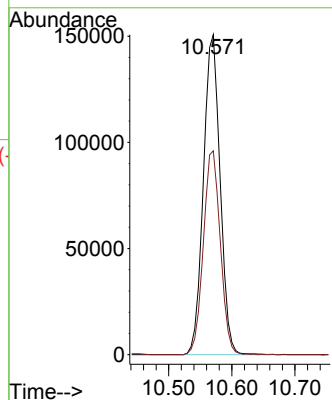
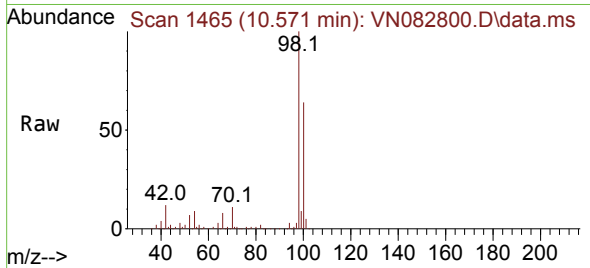




#50
Toluene-d8
Concen: 52.090 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

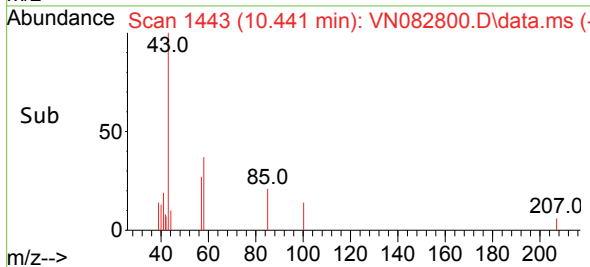
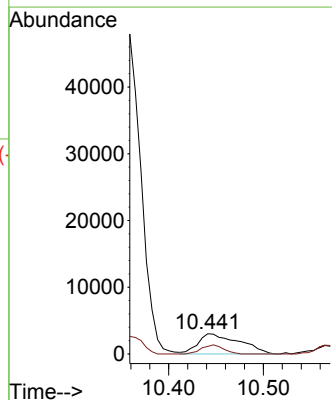
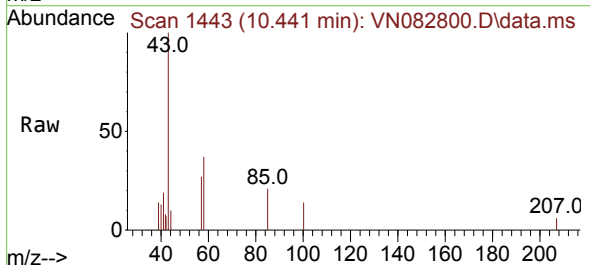
Instrument :
MSVOA_N
ClientSampleId :

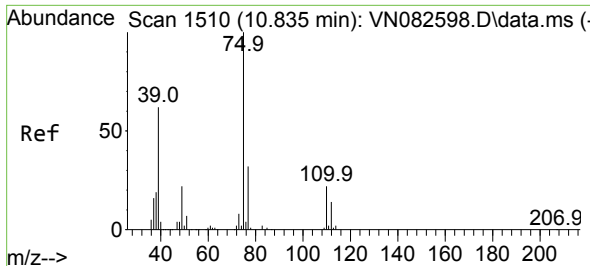
Tgt Ion: 98 Resp: 276613
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 4.083 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

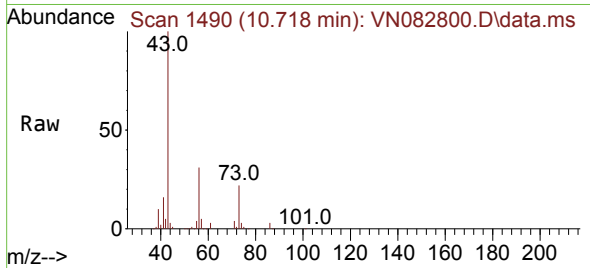
Tgt Ion: 43 Resp: 9212
Ion Ratio Lower Upper
43 100
58 24.0 28.2 42.4#



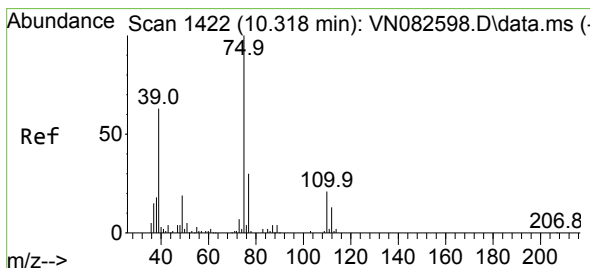
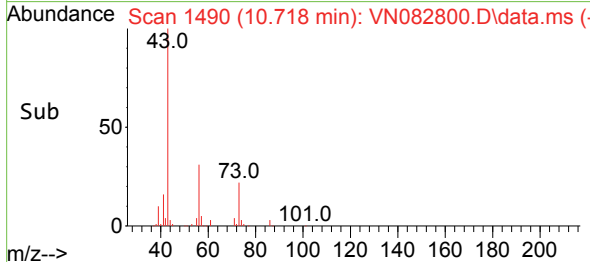
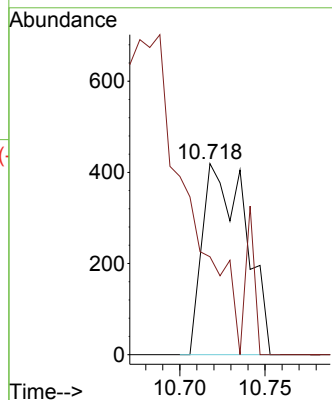


#53
t-1,3-Dichloropropene
Concen: 0.323 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.117 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Instrument :
MSVOA_N
ClientSampleId :

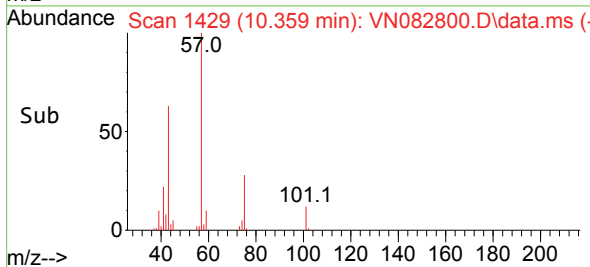
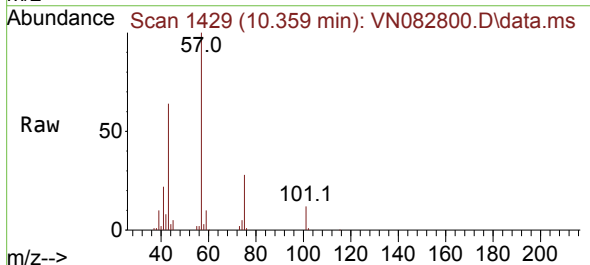
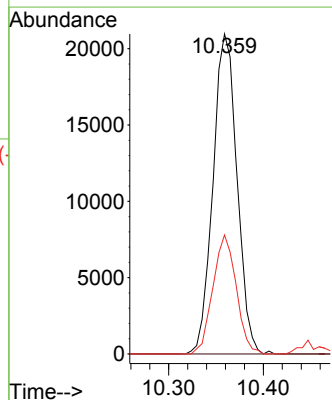


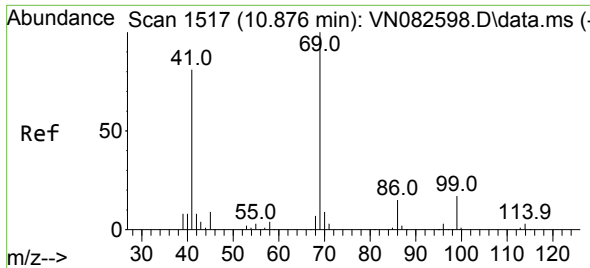
Tgt Ion: 75 Resp: 737
Ion Ratio Lower Upper
75 100
77 51.3 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 15.386 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Tgt Ion: 75 Resp: 36950
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 37.2 50.5 75.7#

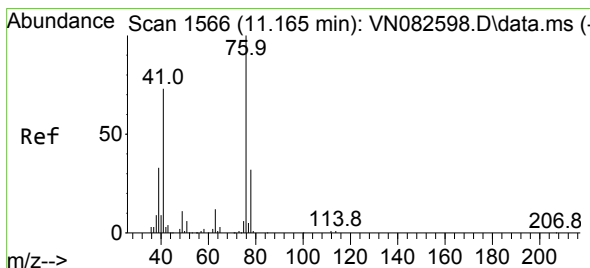
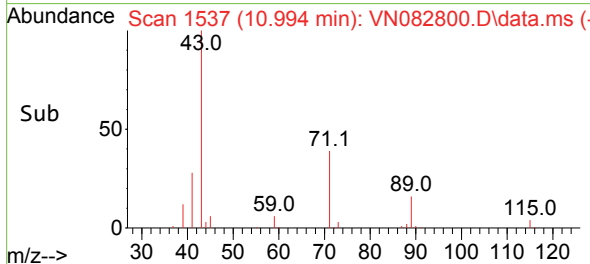
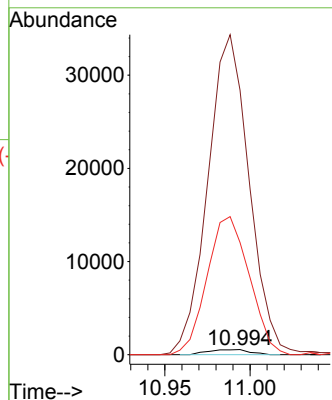
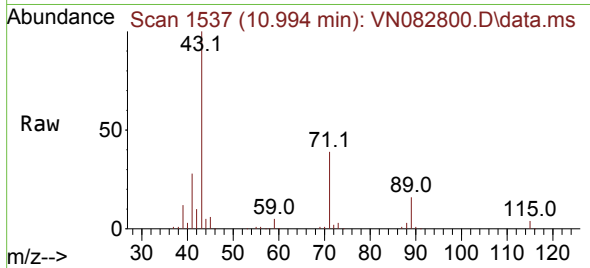




#56
Ethyl methacrylate
Concen: 0.404 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

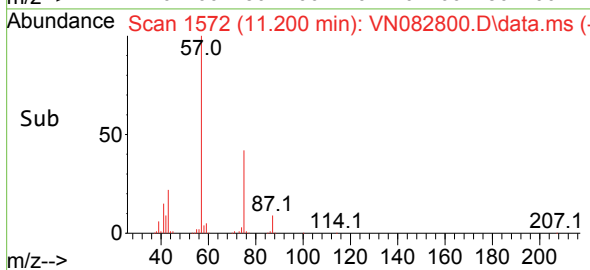
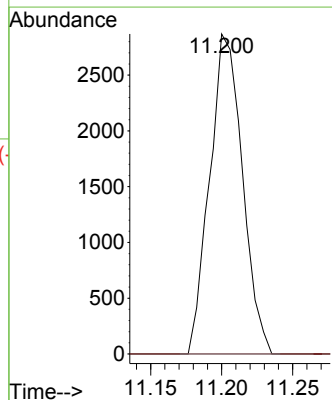
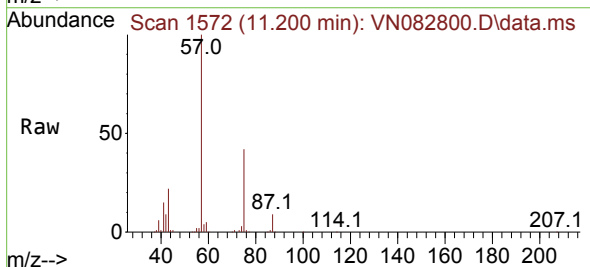
Instrument :
MSVOA_N
ClientSampleId :

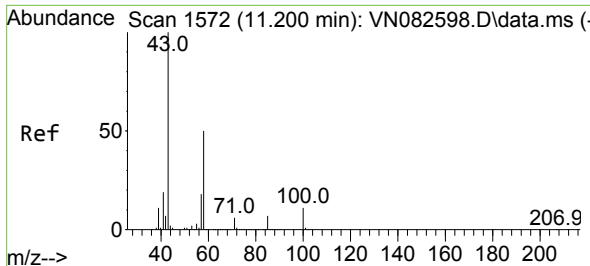
Tgt Ion: 69 Resp: 926
Ion Ratio Lower Upper
69 100
41 6286.5 63.4 95.2#
39 2756.2 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.715 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Tgt Ion: 76 Resp: 4596
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

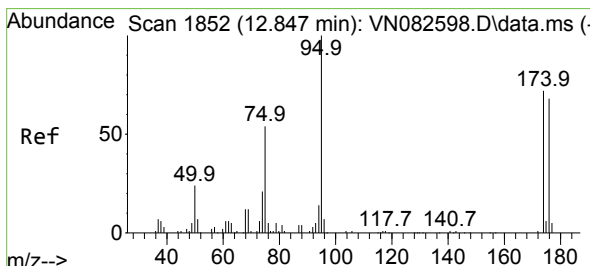
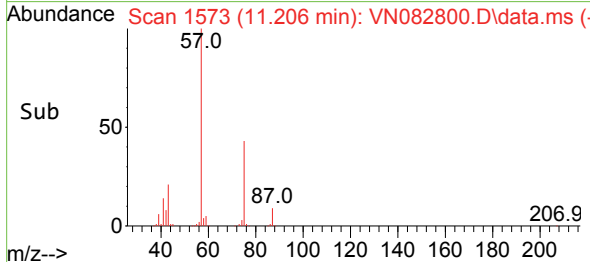
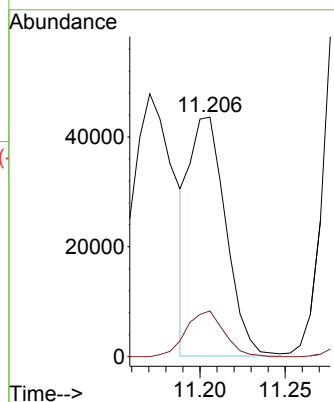
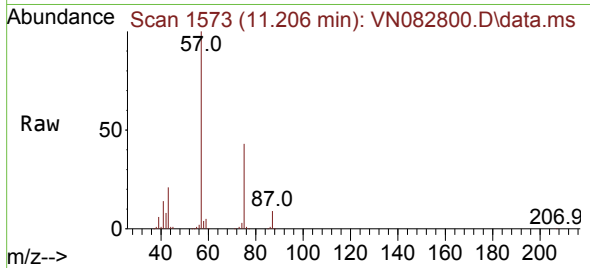




#59
2-Hexanone
Concen: 38.885 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

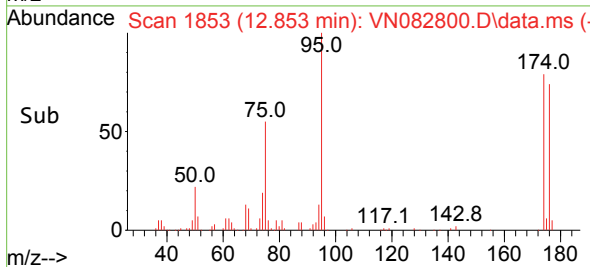
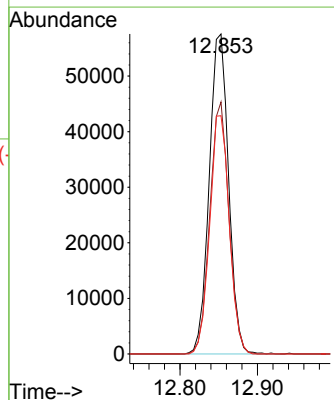
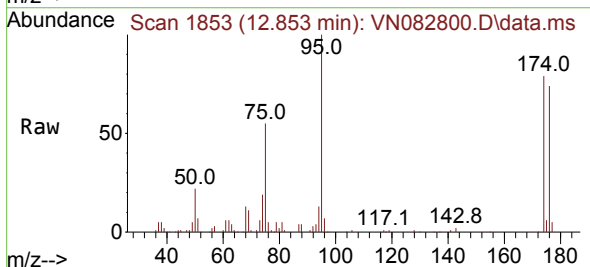
Instrument :
MSVOA_N
ClientSampleId :

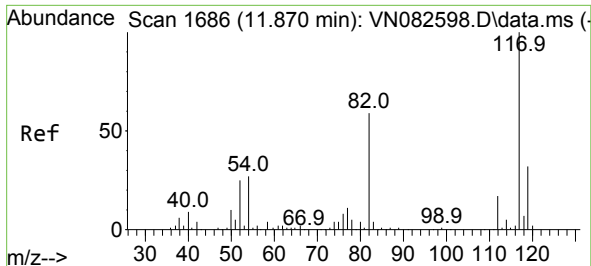
Tgt Ion: 43 Resp: 65053
Ion Ratio Lower Upper
43 100
58 20.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 54.810 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

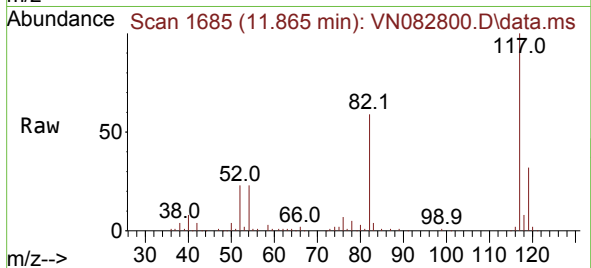
Tgt Ion: 95 Resp: 99955
Ion Ratio Lower Upper
95 100
174 77.7 0.0 159.2
176 75.1 0.0 147.6



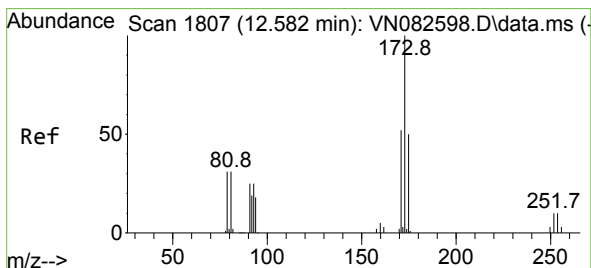
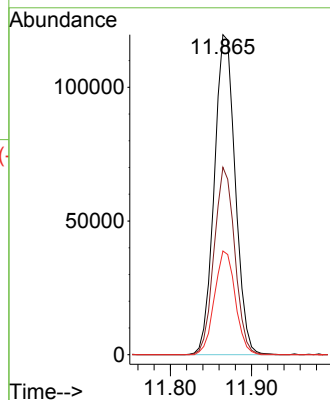
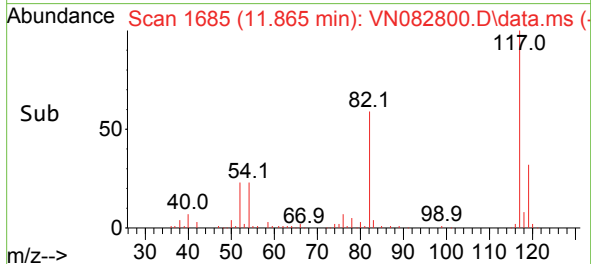


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Instrument :
MSVOA_N
ClientSampleId :

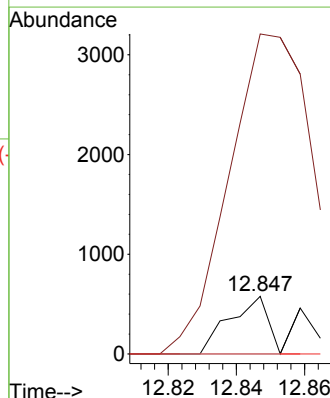
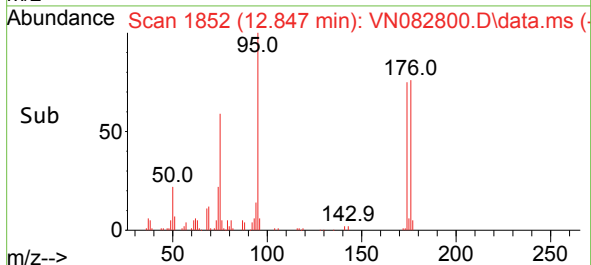
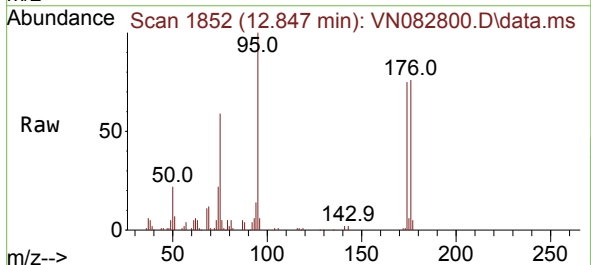


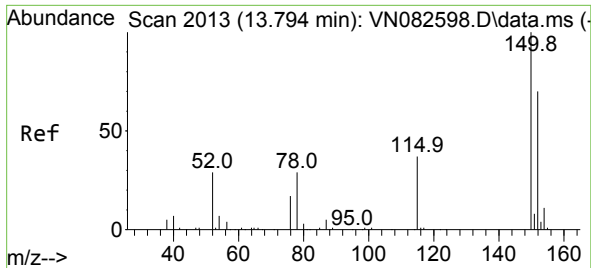
Tgt Ion:117 Resp: 214852
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.346 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

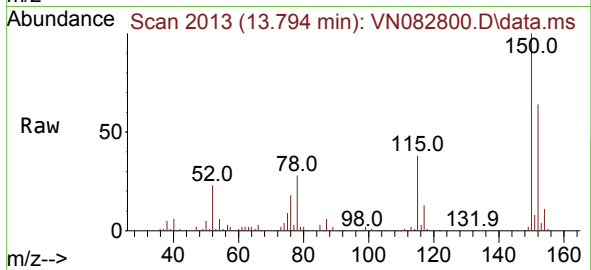
Tgt Ion:173 Resp: 453
Ion Ratio Lower Upper
173 100
175 1054.3 24.0 72.0#
254 0.0 0.0 0.0



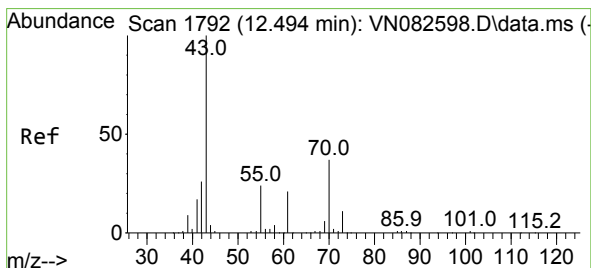
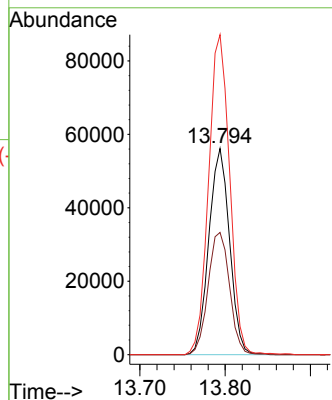
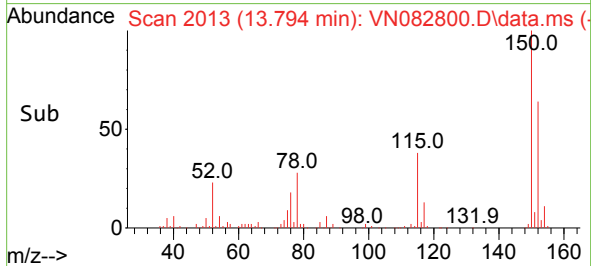


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN082800.D
 Acq: 03 Jul 2024 14:02

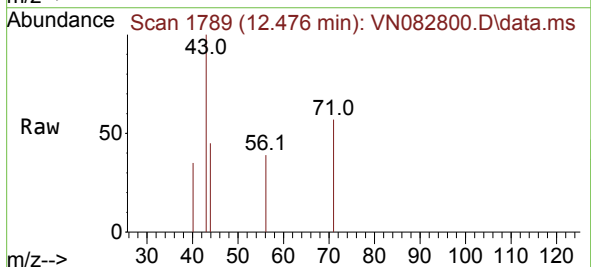
Instrument :
 MSVOA_N
 ClientSampleId :



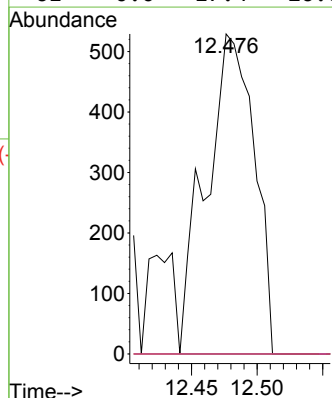
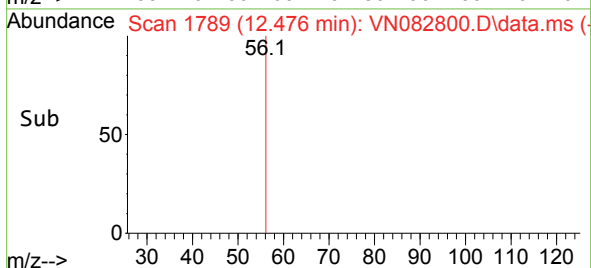
Tgt Ion:152 Resp: 94805
 Ion Ratio Lower Upper
 152 100
 115 61.5 30.6 91.6
 150 157.5 0.0 348.6

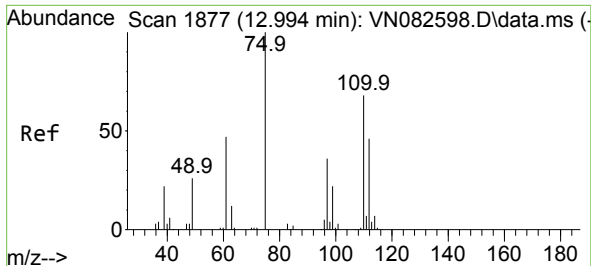


#74
 N-ethyl acetate
 Concen: 0.439 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.018 min
 Lab File: VN082800.D
 Acq: 03 Jul 2024 14:02



Tgt Ion: 43 Resp: 1354
 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#

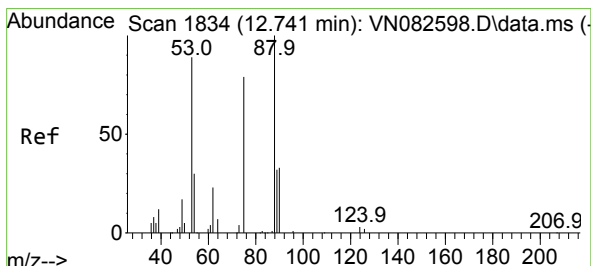
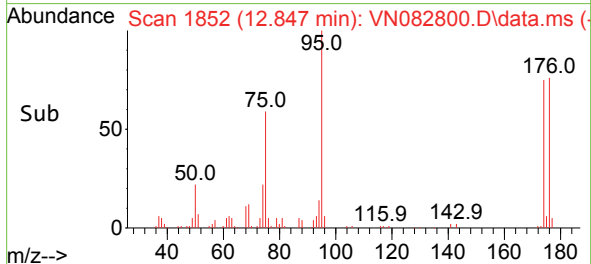
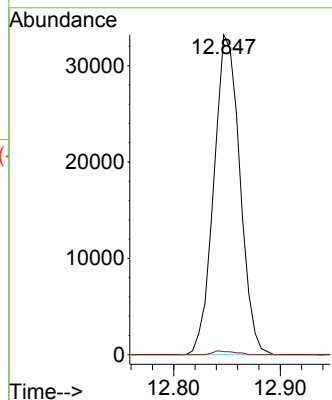
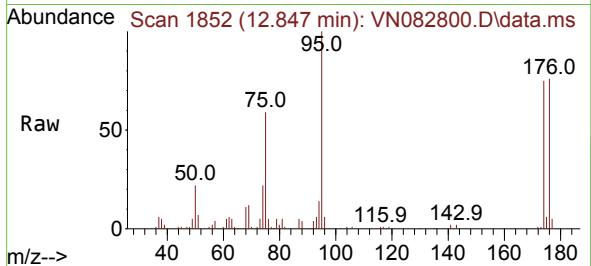




#76
1,2,3-Trichloropropane
Concen: 27.219 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 56286
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.984 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082800.D
Acq: 03 Jul 2024 14:02

Tgt Ion: 75 Resp: 56286
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

