

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070324\
 Data File : VN082803.D
 Acq On : 03 Jul 2024 15:15
 Operator : JC\MD
 Sample : PB161888ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:59:53 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

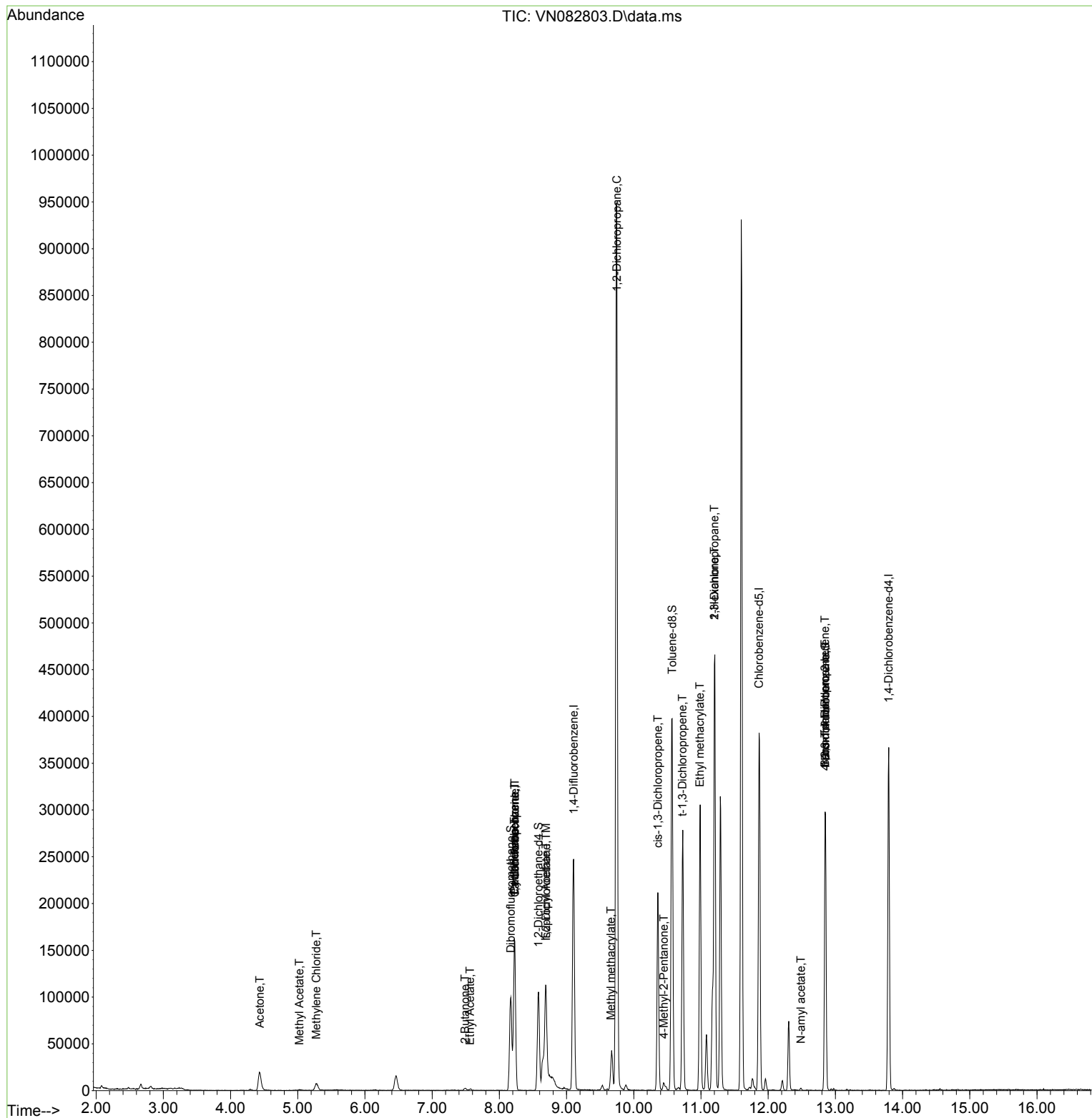
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	113080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	215012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	88547	50.776	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.560%	
35) Dibromofluoromethane	8.171	113	72494	51.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.420%	
50) Toluene-d8	10.571	98	276162	52.164	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.320%	
62) 4-Bromofluorobenzene	12.853	95	100044	55.027	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 110.060%	
Target Compounds						Qvalue
16) Acetone	4.436	43	38702	58.577	ug/l	99
18) Methyl Acetate	5.024	43	909	0.518	ug/l #	69
20) Methylene Chloride	5.277	84	6207	3.713	ug/l #	69
25) 2-Butanone	7.488	43	4220	4.181	ug/l	99
31) Cyclohexane	8.224	56	3087	1.256	ug/l #	21
36) 1,1-Dichloropropene	8.229	75	9878	4.855	ug/l #	52
37) Ethyl Acetate	7.565	43	2523	1.147	ug/l #	80
38) Carbon Tetrachloride	8.229	117	12835	5.393	ug/l #	19
42) 1,2-Dichloroethane	8.694	62	598	0.249	ug/l #	78
43) Isopropyl Acetate	8.694	43	169909	44.347	ug/l #	84
45) 1,2-Dichloropropane	9.747	63	1250	0.773	ug/l #	44
48) Methyl methacrylate	9.659	41	2680	1.584	ug/l #	17
51) 4-Methyl-2-Pentanone	10.447	43	5556	2.470	ug/l	99
53) t-1,3-Dichloropropene	10.723	75	591	0.260	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	37347	15.598	ug/l #	58
56) Ethyl methacrylate	10.982	69	868	0.380	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5106	1.911	ug/l #	43
59) 2-Hexanone	11.200	43	63095	37.830	ug/l #	58
71) Bromoform	12.847	173	574	0.430	ug/l #	1
74) N-amyl acetate	12.488	43	1182	0.387	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	55328	27.059	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55328	70.568	ug/l #	6

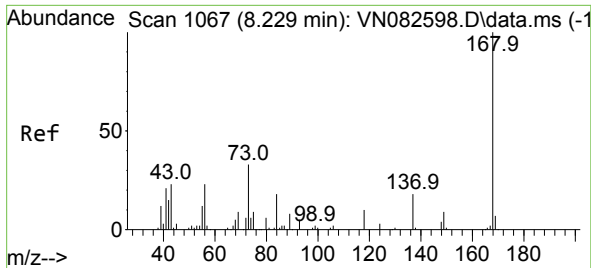
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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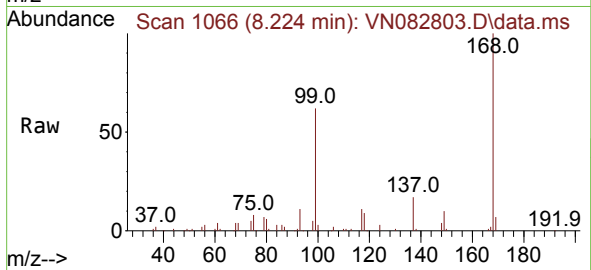
Quant Time: Jul 03 23:59:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
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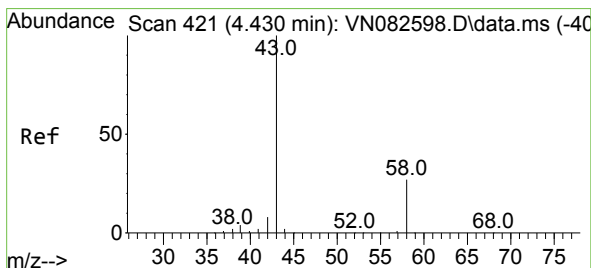
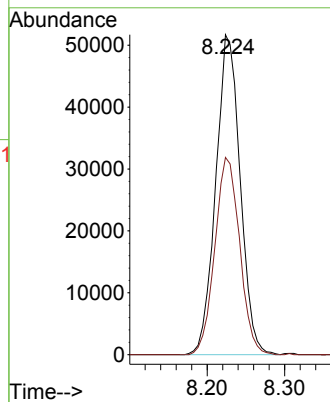
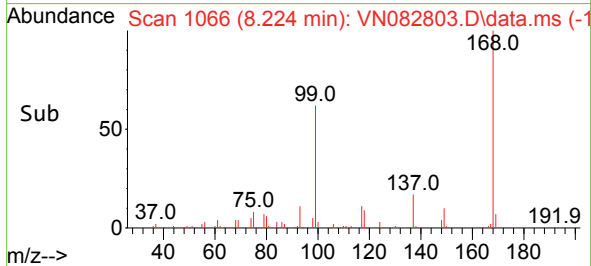


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :

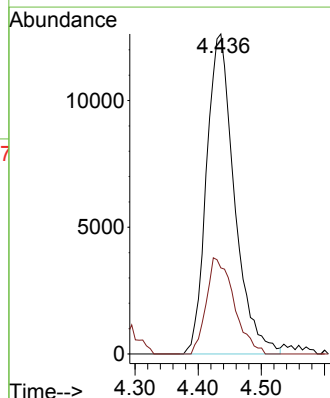
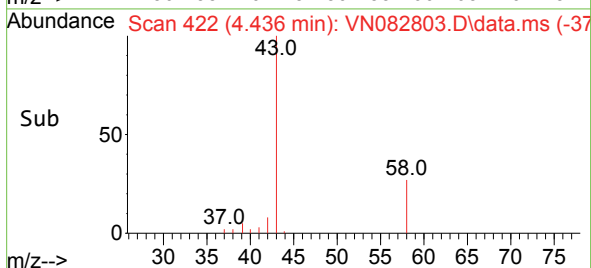
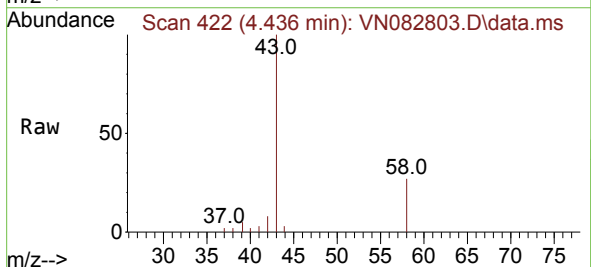


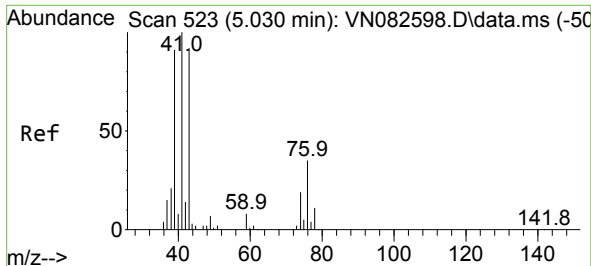
Tgt Ion:168 Resp: 113080
Ion Ratio Lower Upper
168 100
99 61.6 48.2 72.4



#16
Acetone
Concen: 58.577 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Tgt Ion: 43 Resp: 38702
Ion Ratio Lower Upper
43 100
58 26.9 21.8 32.6





#18

Methyl Acetate

Concen: 0.518 ug/l

RT: 5.024 min Scan# 51

Delta R.T. -0.006 min

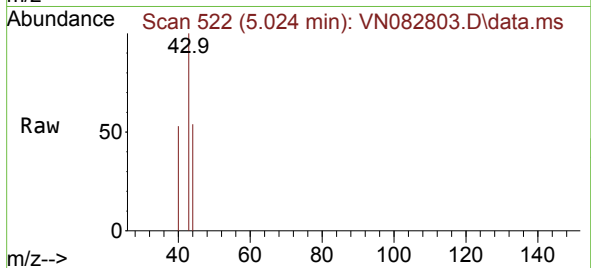
Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

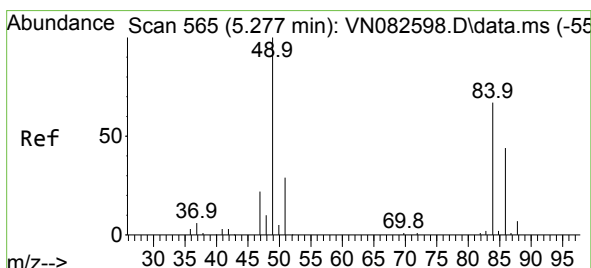
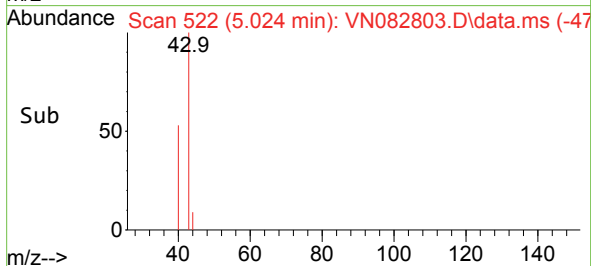
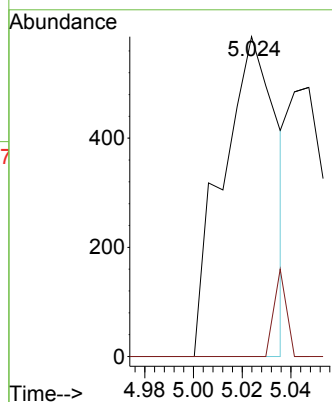


Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

74 6.2 16.3 24.5#



#20

Methylene Chloride

Concen: 3.713 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

Tgt Ion: 84 Resp: 6207

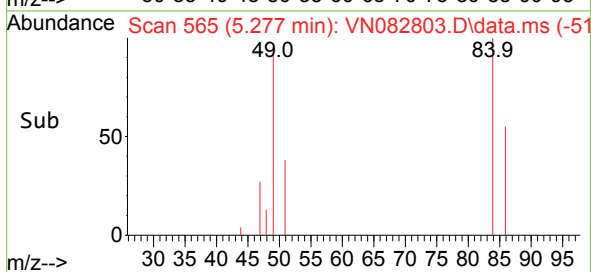
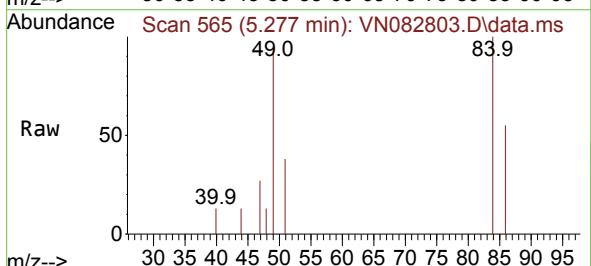
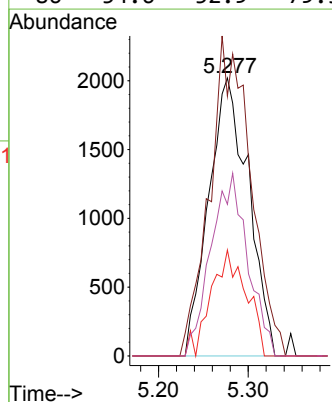
Ion Ratio Lower Upper

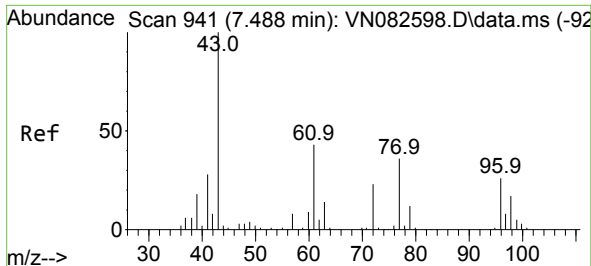
84 100

49 93.5 119.6 179.4#

51 38.1 34.8 52.2

86 54.6 52.9 79.3

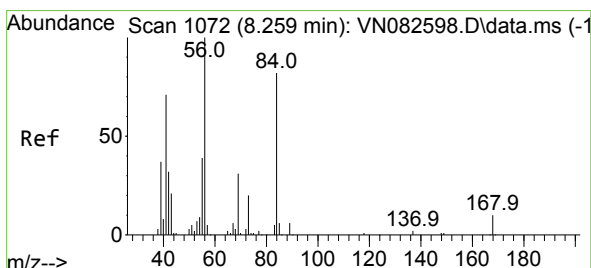
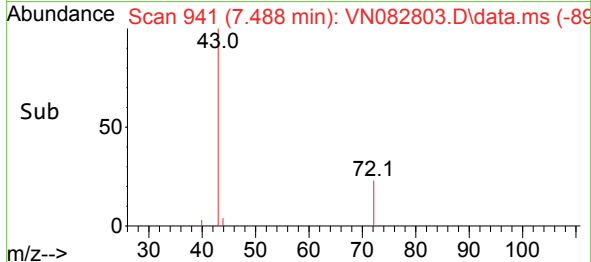
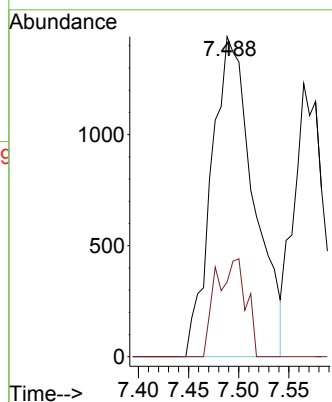
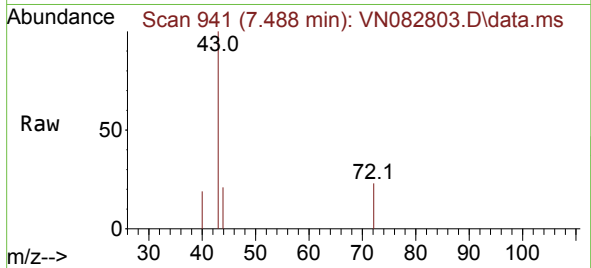




#25
2-Butanone
Concen: 4.181 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

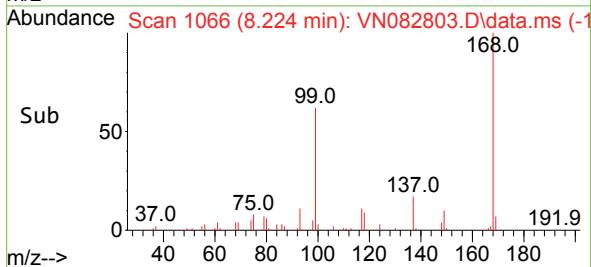
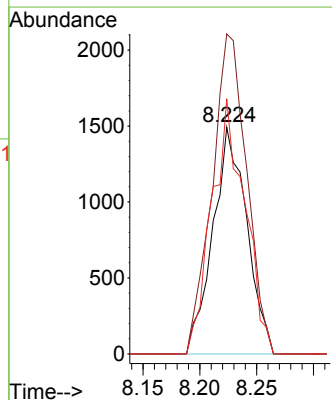
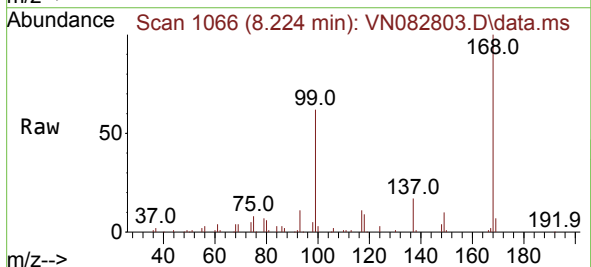
Instrument :
MSVOA_N
ClientSampleId :

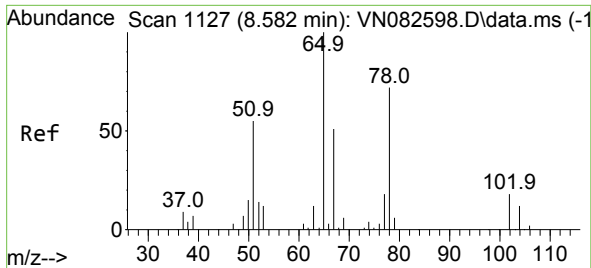
Tgt Ion: 43 Resp: 4220
Ion Ratio Lower Upper
43 100
72 23.3 18.2 27.2



#31
Cyclohexane
Concen: 1.256 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Tgt Ion: 56 Resp: 3087
Ion Ratio Lower Upper
56 100
69 141.2 24.5 36.7#
84 112.6 66.0 99.0#

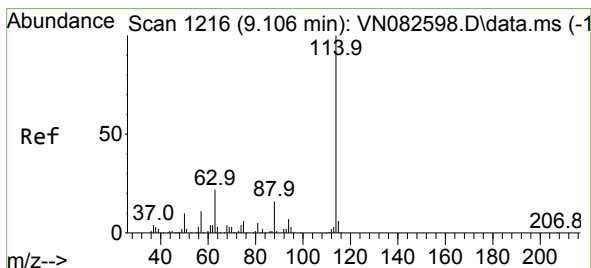
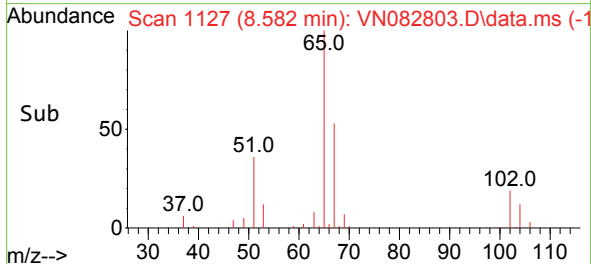
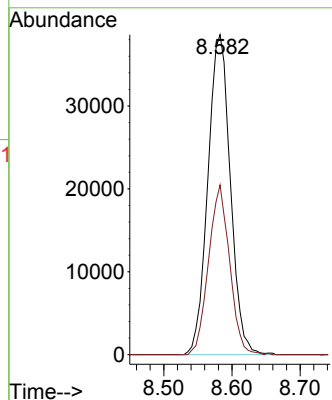
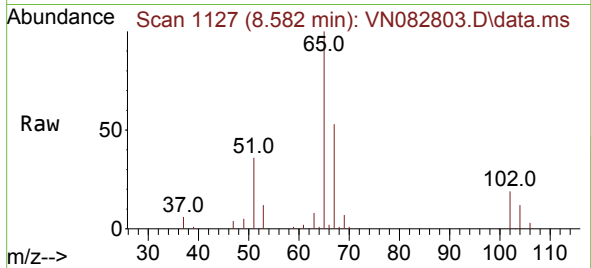




#33
 1,2-Dichloroethane-d4
 Concen: 50.776 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082803.D
 Acq: 03 Jul 2024 15:15

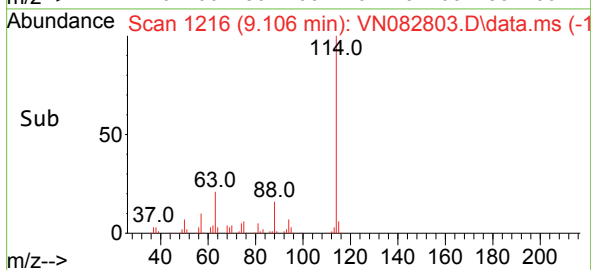
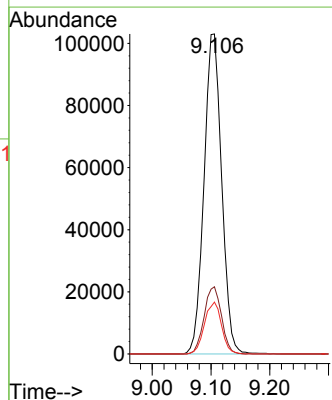
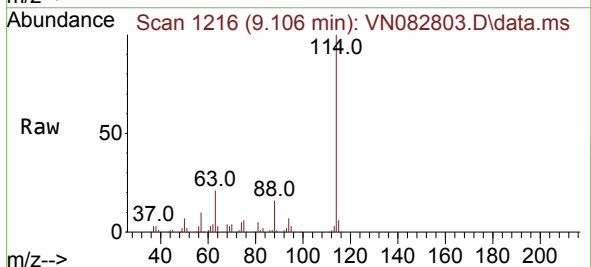
Instrument :
 MSVOA_N
 ClientSampleId :

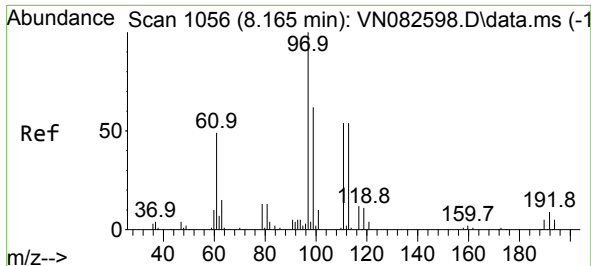
Tgt Ion: 65 Resp: 88547
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN082803.D
 Acq: 03 Jul 2024 15:15

Tgt Ion: 114 Resp: 215012
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.6
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.210 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

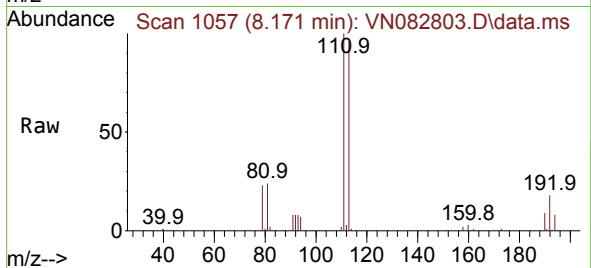
Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :



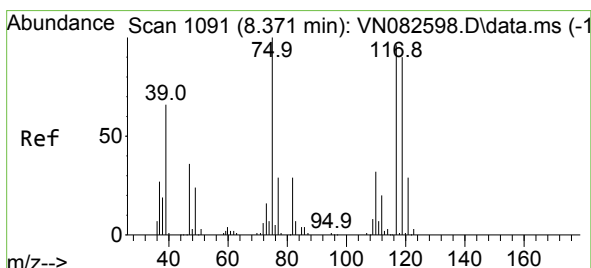
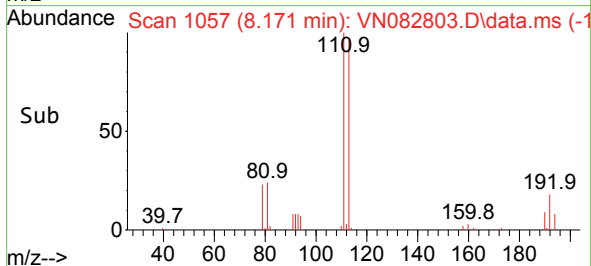
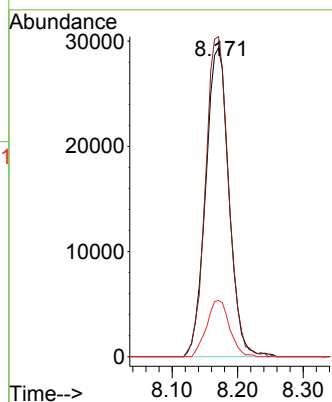
Tgt Ion:113 Resp: 72494

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 17.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.855 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

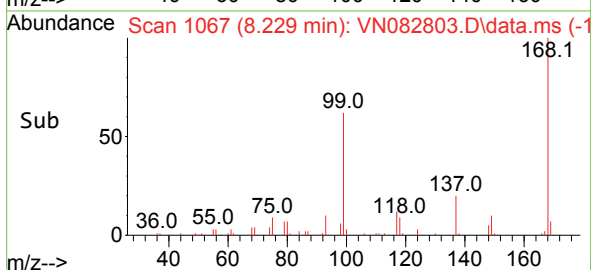
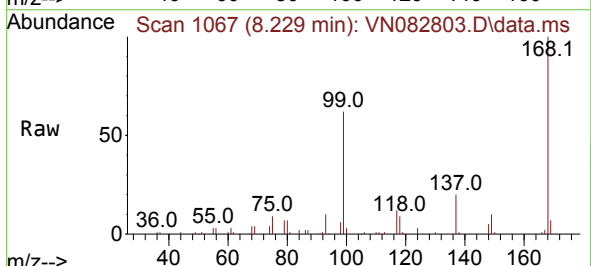
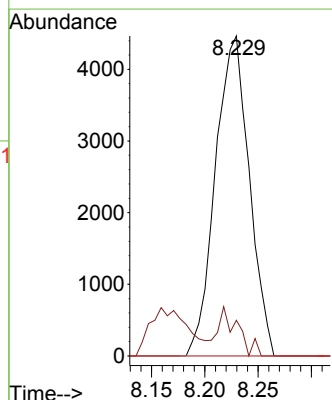
Tgt Ion: 75 Resp: 9878

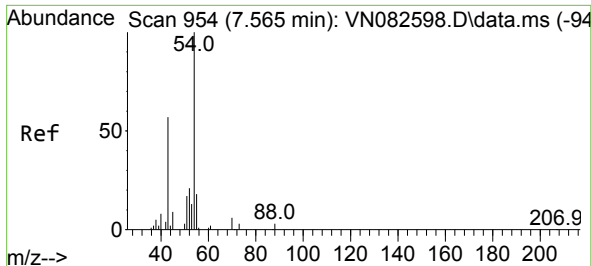
Ion Ratio Lower Upper

75 100

110 9.5 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.147 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

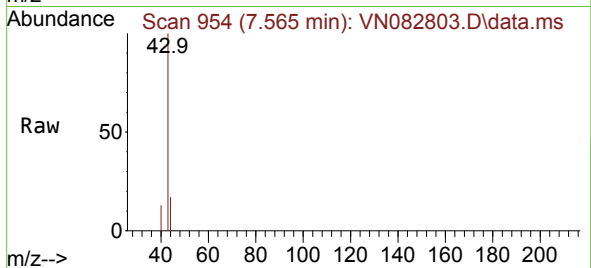
Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :



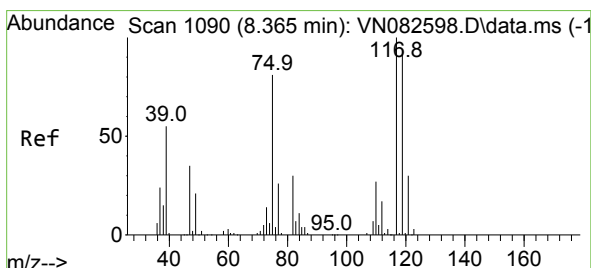
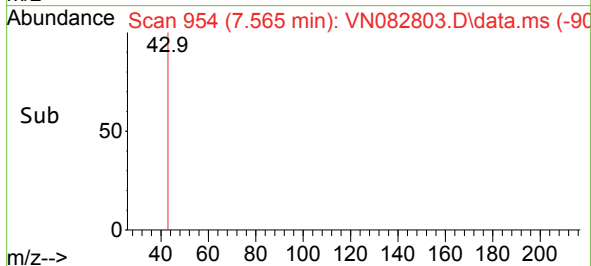
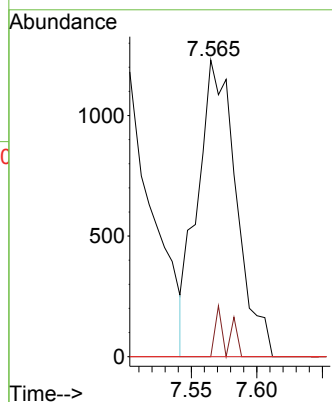
Tgt Ion: 43 Resp: 2523

Ion Ratio Lower Upper

43 100

61 5.2 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.393 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.136 min

Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

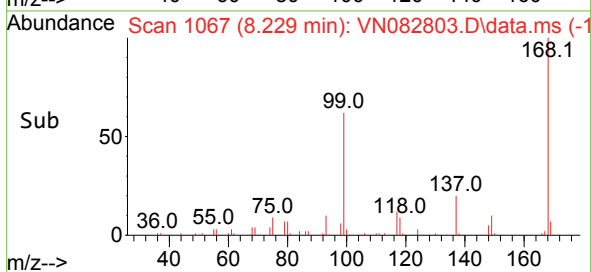
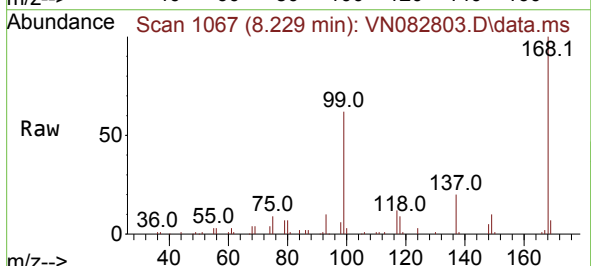
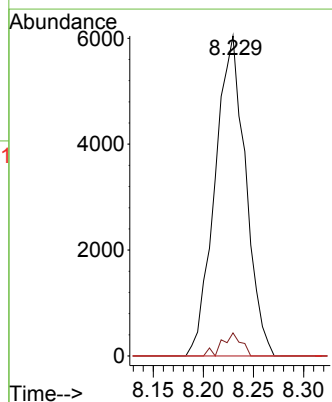
Tgt Ion: 117 Resp: 12835

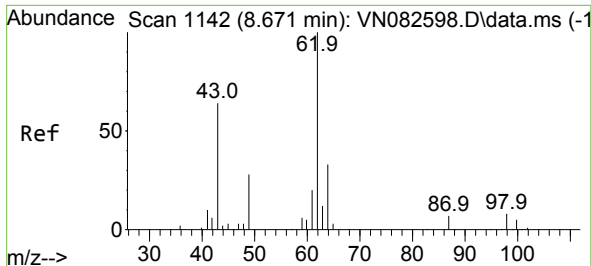
Ion Ratio Lower Upper

117 100

119 7.2 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.249 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

Instrument :

MSVOA_N

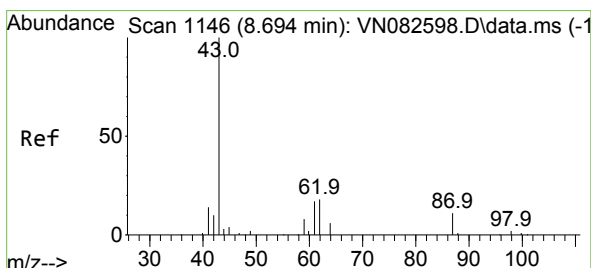
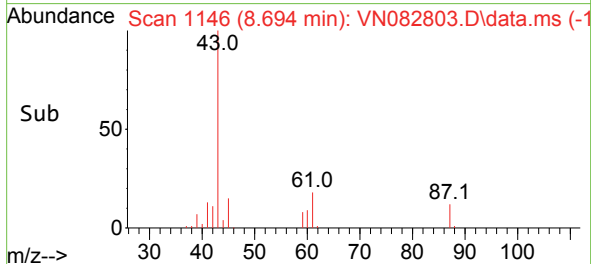
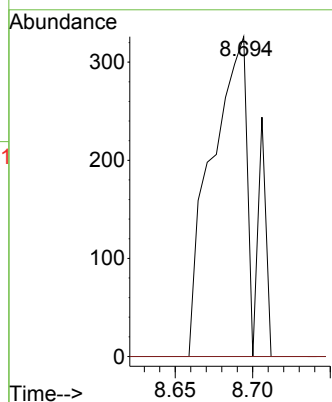
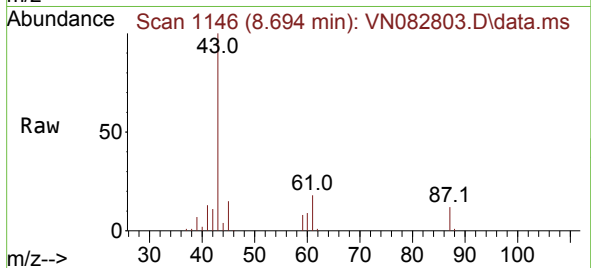
ClientSampleId :

Tgt Ion: 62 Resp: 598

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 44.347 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

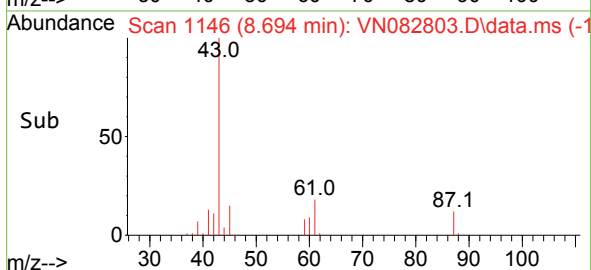
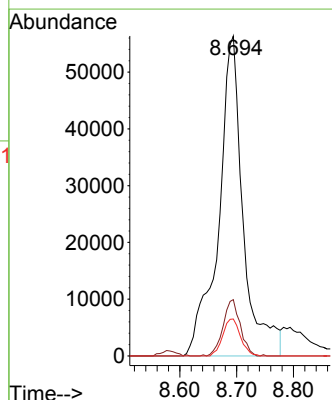
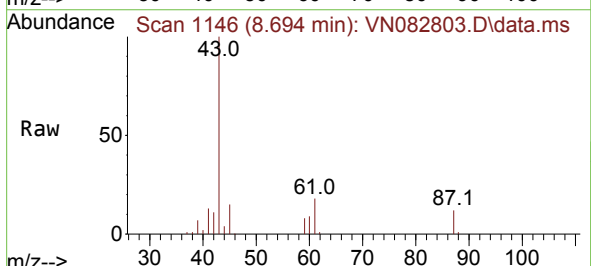
Tgt Ion: 43 Resp: 169909

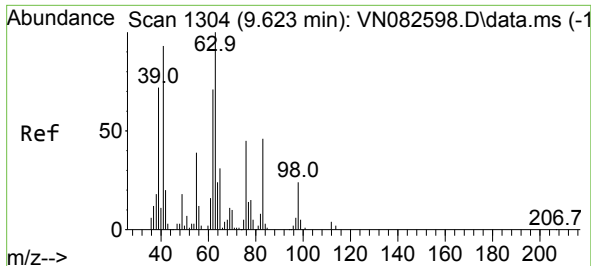
Ion Ratio Lower Upper

43 100

61 12.3 17.8 26.6#

87 8.3 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.773 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

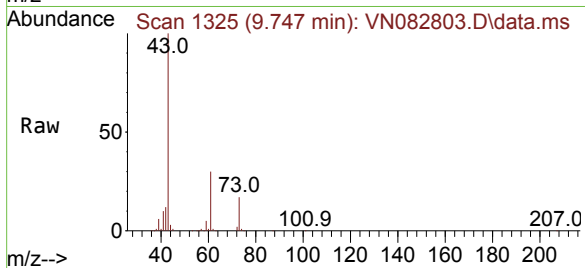
Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

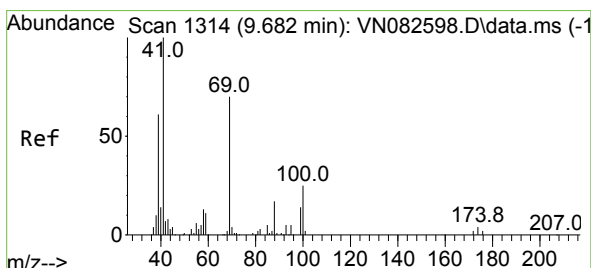
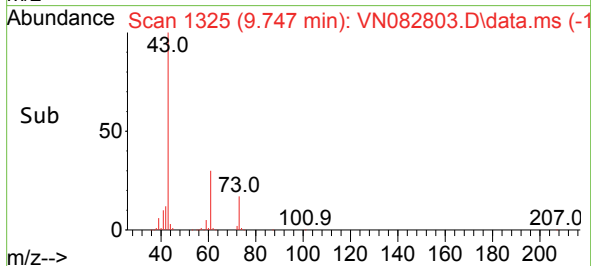
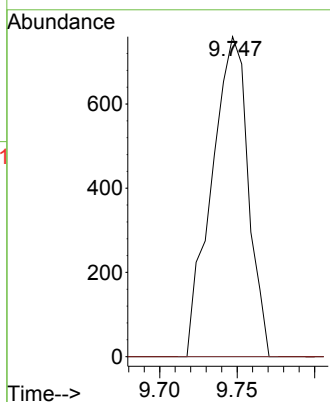


Tgt Ion: 63 Resp: 1250

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.584 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

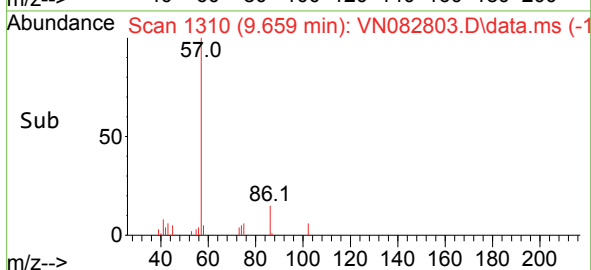
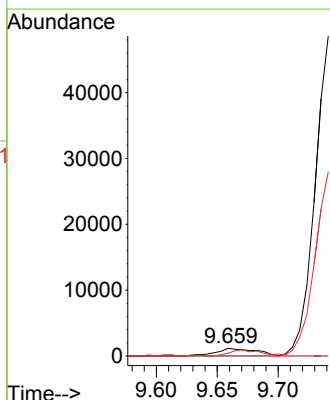
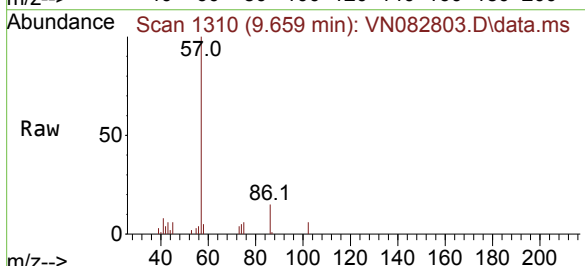
Tgt Ion: 41 Resp: 2680

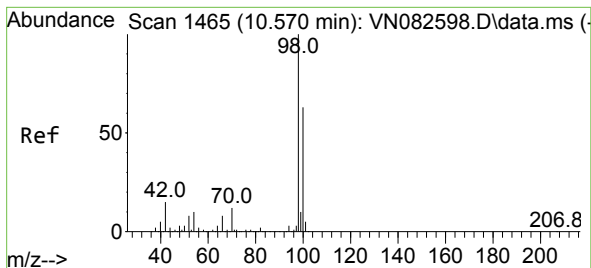
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 0.0 50.3 75.5#





#50

Toluene-d8

Concen: 52.164 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.001 min

Lab File: VN082803.D

Acq: 03 Jul 2024 15:15

Instrument :

MSVOA_N

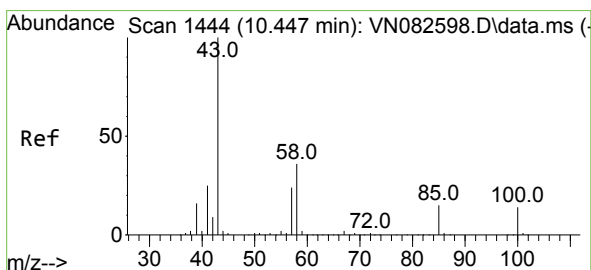
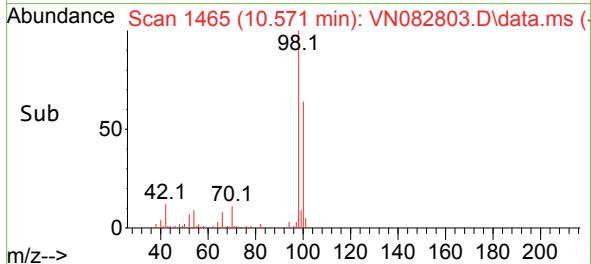
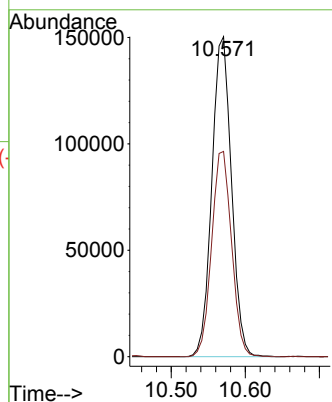
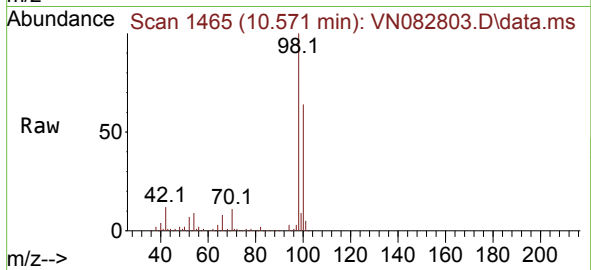
ClientSampleId :

Tgt Ion: 98 Resp: 276162

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 2.470 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN082803.D

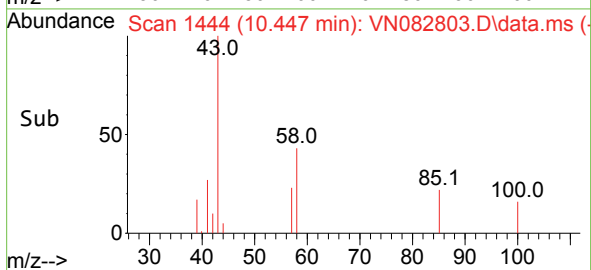
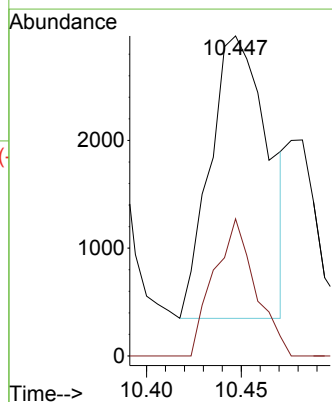
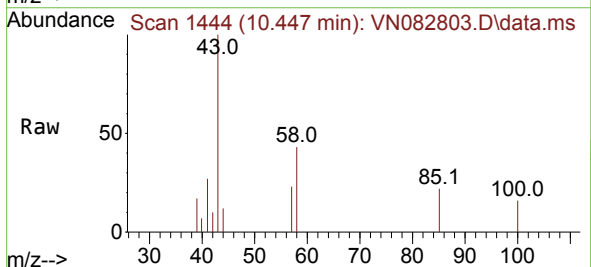
Acq: 03 Jul 2024 15:15

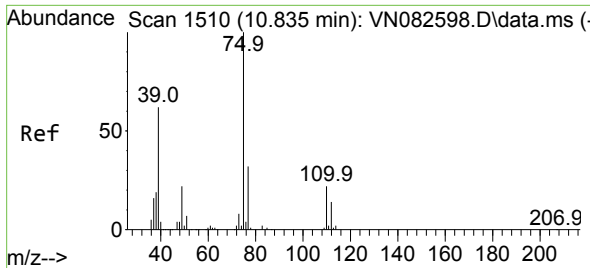
Tgt Ion: 43 Resp: 5556

Ion Ratio Lower Upper

43 100

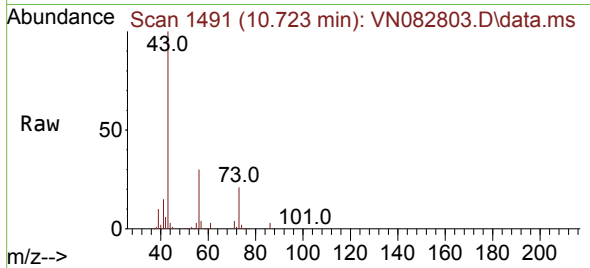
58 34.9 28.2 42.4



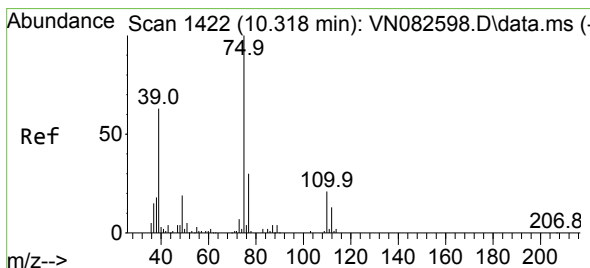
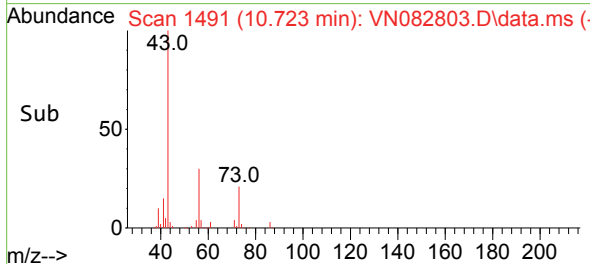
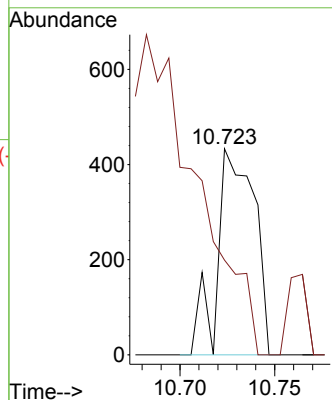


#53
t-1,3-Dichloropropene
Concen: 0.260 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :

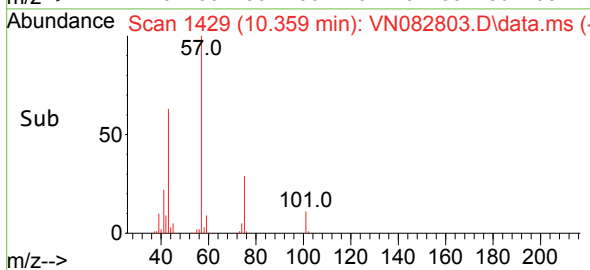
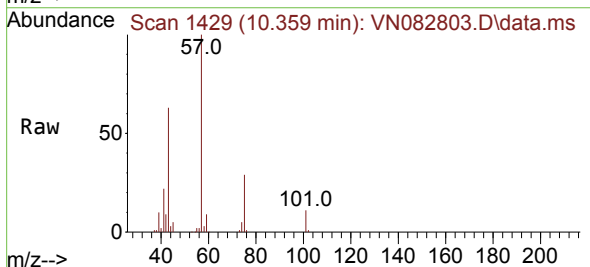
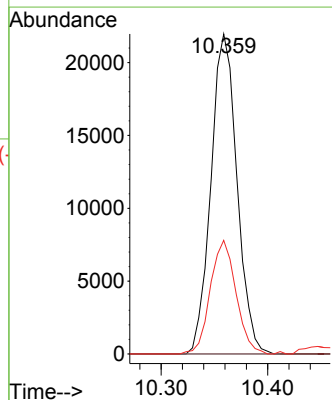


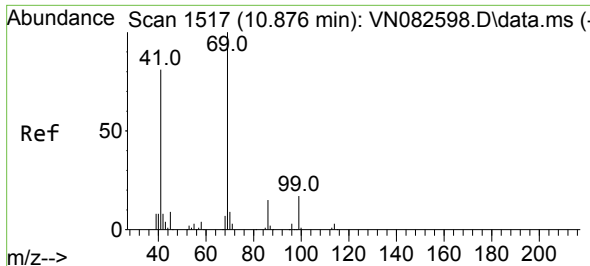
Tgt Ion: 75 Resp: 591
Ion Ratio Lower Upper
75 100
77 46.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 15.598 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

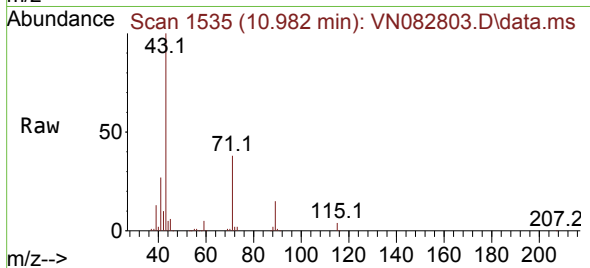
Tgt Ion: 75 Resp: 37347
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 35.5 50.5 75.7#



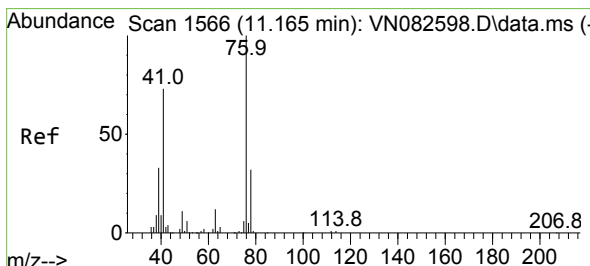
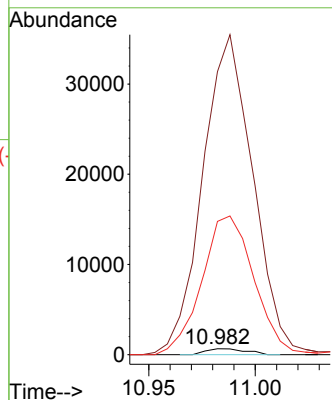
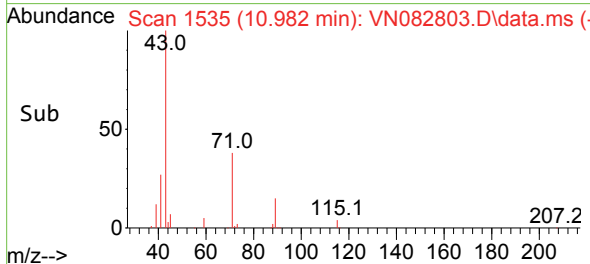


#56
Ethyl methacrylate
Concen: 0.380 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :

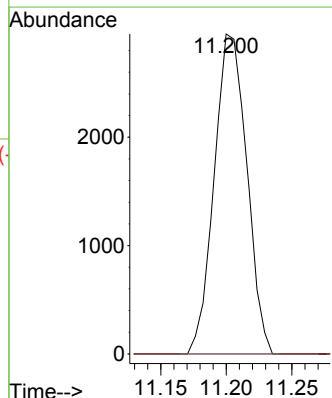
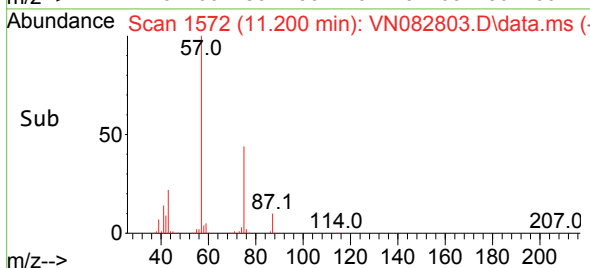
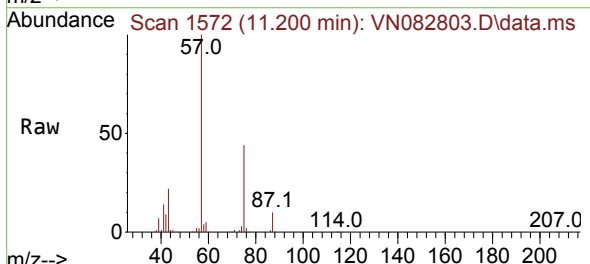


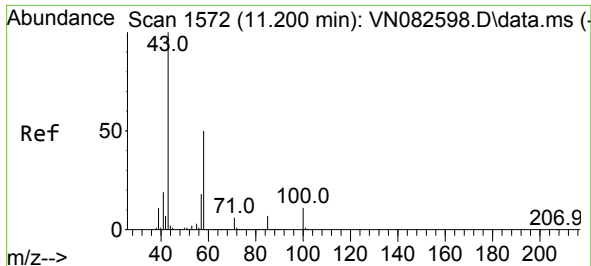
Tgt Ion: 69 Resp: 868
Ion Ratio Lower Upper
69 100
41 6758.9 63.4 95.2#
39 3028.9 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.911 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Tgt Ion: 76 Resp: 5106
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

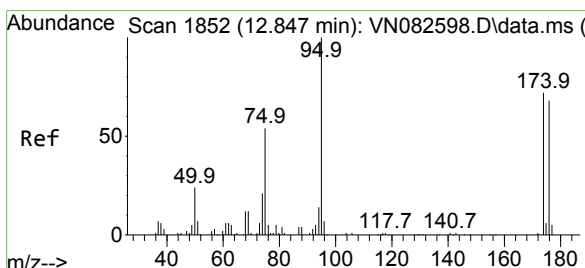
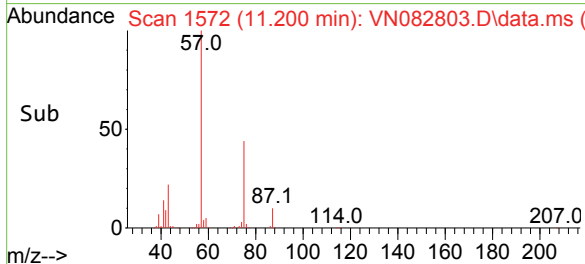
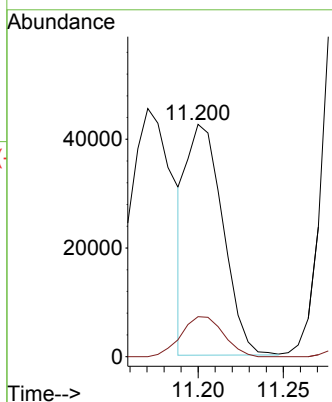
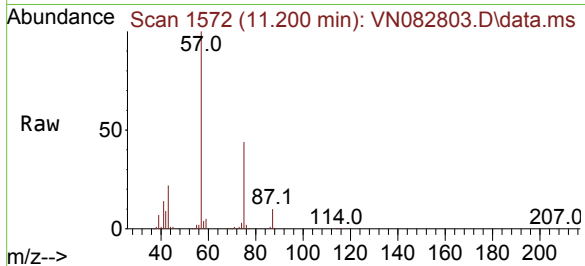




#59
2-Hexanone
Concen: 37.830 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

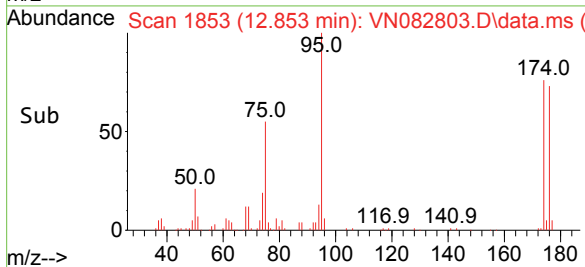
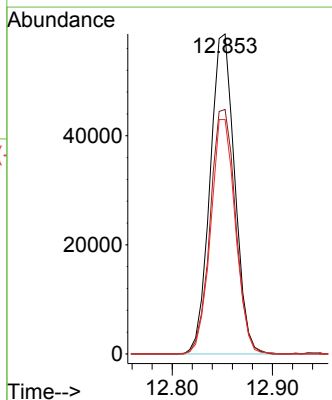
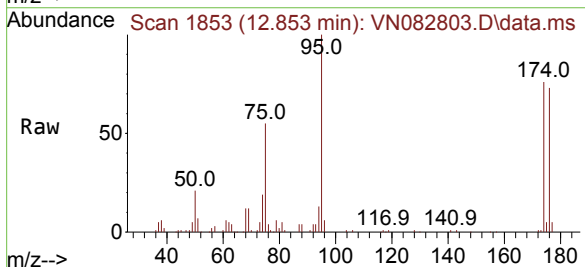
Instrument :
MSVOA_N
ClientSampleId :

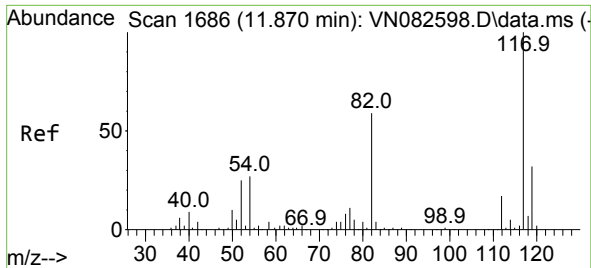
Tgt Ion: 43 Resp: 63095
Ion Ratio Lower Upper
43 100
58 20.2 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 55.027 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

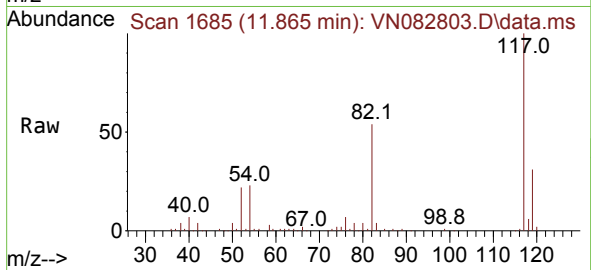
Tgt Ion: 95 Resp: 100044
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.2
176 73.7 0.0 147.6



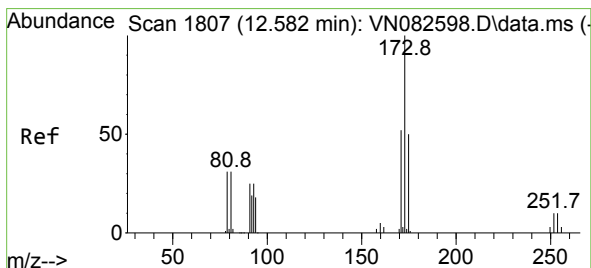
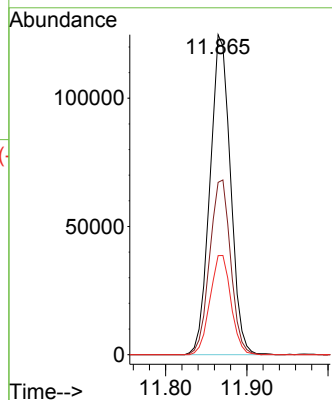
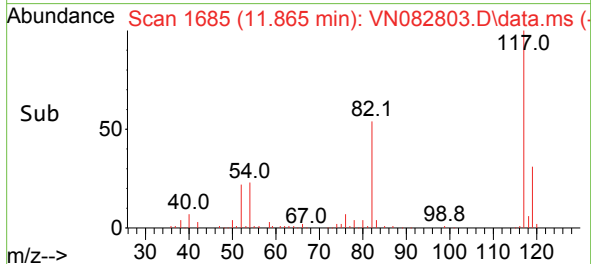


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :

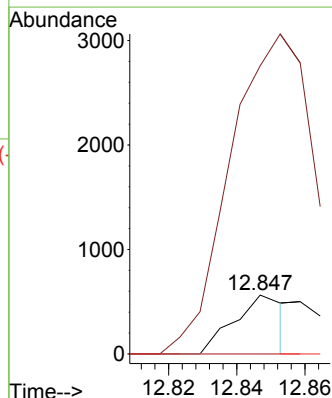
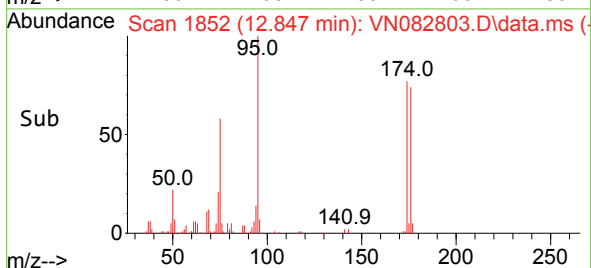
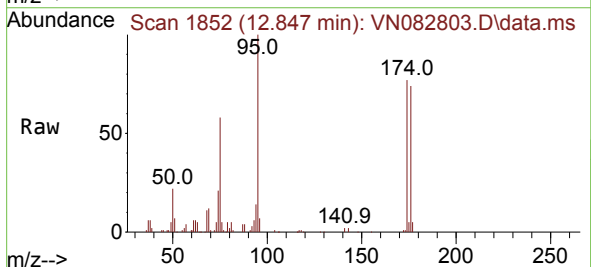


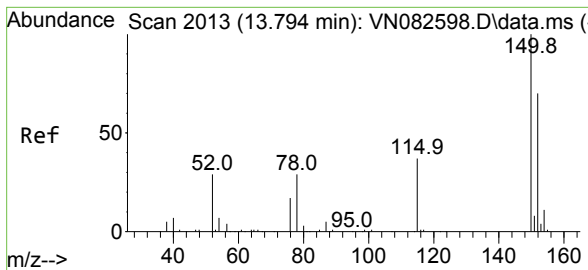
Tgt Ion:117 Resp: 218864
Ion Ratio Lower Upper
117 100
82 53.9 47.5 71.3
119 31.0 25.6 38.4



#71
Bromoform
Concen: 0.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Tgt Ion:173 Resp: 574
Ion Ratio Lower Upper
173 100
175 794.6 24.0 72.0#
254 0.0 0.0 0.0

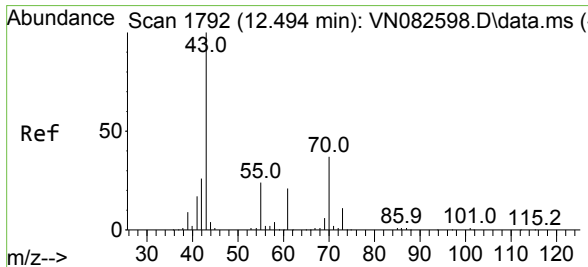
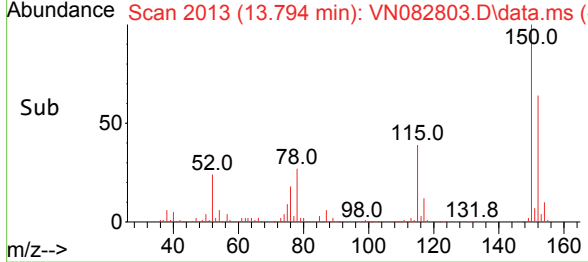
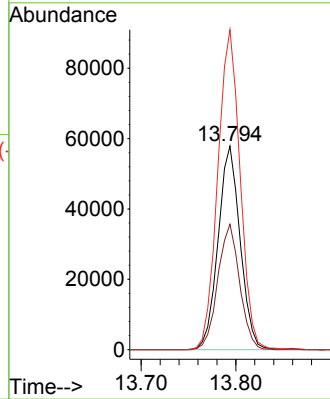
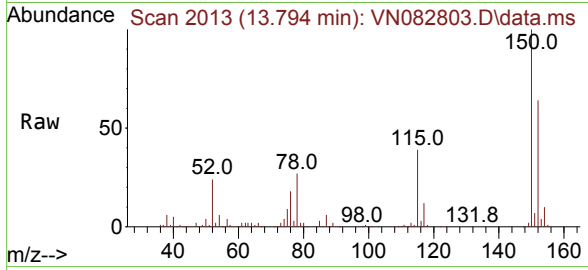




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082803.D
 Acq: 03 Jul 2024 15:15

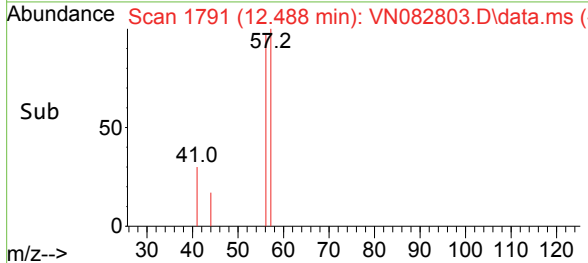
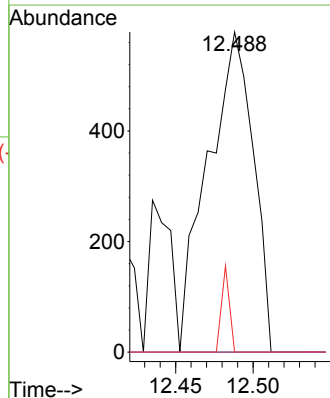
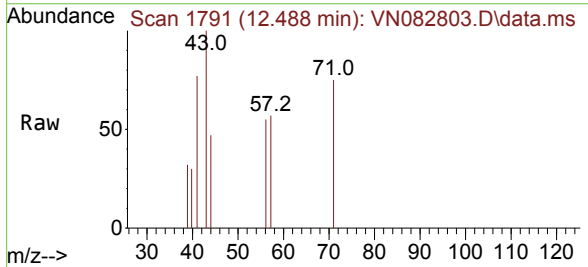
Instrument :
 MSVOA_N
 ClientSampleId :

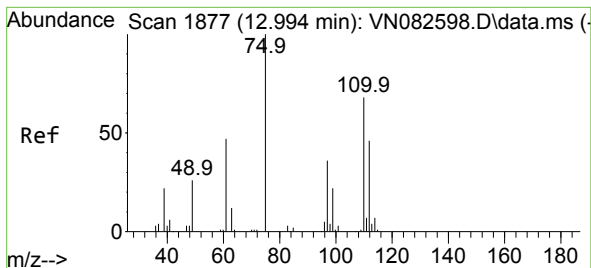
Tgt Ion:152 Resp: 93740
 Ion Ratio Lower Upper
 152 100
 115 61.1 30.6 91.6
 150 159.3 0.0 348.6



#74
 N-ethyl acetate
 Concen: 0.387 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082803.D
 Acq: 03 Jul 2024 15:15

Tgt Ion: 43 Resp: 1182
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 4.7 18.7 28.1#
 61 0.0 17.4 26.0#

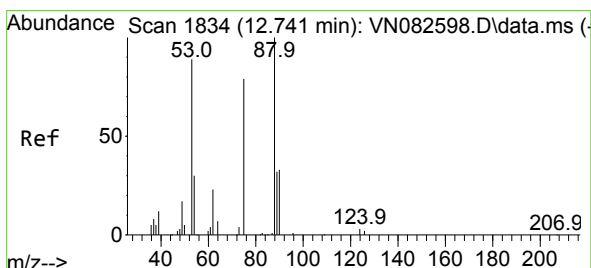
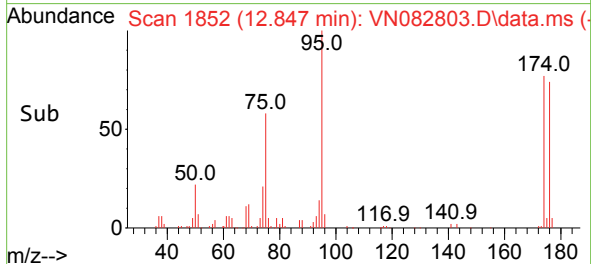
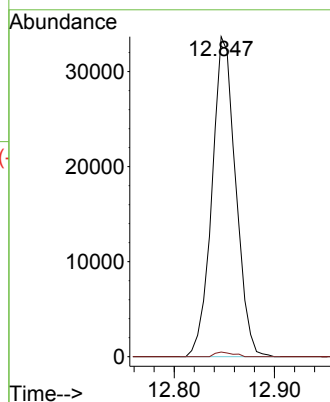
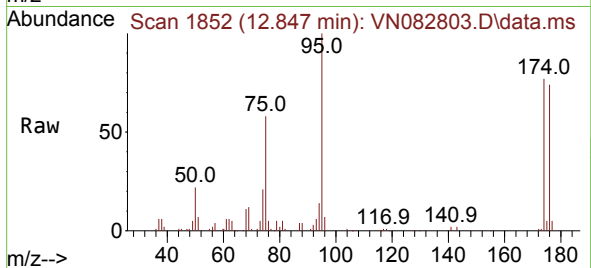




#76
1,2,3-Trichloropropane
Concen: 27.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 55328
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082803.D
Acq: 03 Jul 2024 15:15

Tgt Ion: 75 Resp: 55328
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

