

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082465.D
 Acq On : 05 Jun 2024 13:00
 Operator : JC\MD
 Sample : PB161297ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

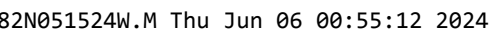
Quant Time: Jun 06 00:55:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

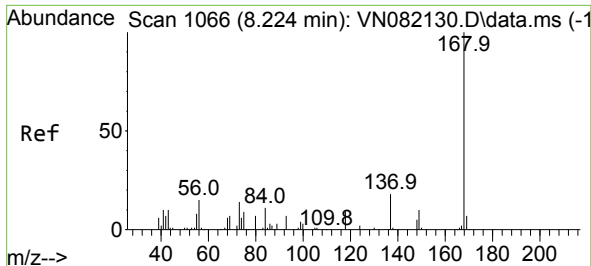
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	154362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	289768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	137778	56.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.060%			
35) Dibromofluoromethane	8.171	113	98075	55.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.040%			
50) Toluene-d8	10.571	98	389401	56.980	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.960%#			
62) 4-Bromofluorobenzene	12.853	95	130571	53.530	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 107.060%			
Target Compounds					Qvalue	
5) Bromomethane	2.977	94	612	0.449	ug/l #	74
11) Tert butyl alcohol	5.512	59	271	0.693	ug/l #	71
16) Acetone	4.430	43	97167	97.180	ug/l	94
18) Methyl Acetate	5.036	43	2145	0.861	ug/l #	60
20) Methylene Chloride	5.277	84	4263	2.113	ug/l #	84
25) 2-Butanone	7.489	43	25526	16.838	ug/l #	78
29) Tetrahydrofuran	7.853	42	3701	3.802	ug/l #	83
31) Cyclohexane	8.236	56	4581	1.177	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	14807	4.953	ug/l #	46
37) Ethyl Acetate	7.571	43	4890	1.462	ug/l #	84
38) Carbon Tetrachloride	8.230	117	17259	5.695	ug/l #	16
41) Methacrylonitrile	7.847	41	2214	1.125	ug/l #	44
42) 1,2-Dichloroethane	8.688	62	956	0.279	ug/l #	73
43) Isopropyl Acetate	8.688	43	239434	40.388	ug/l #	75
45) 1,2-Dichloropropane	9.735	63	1735	0.754	ug/l #	45
48) Methyl methacrylate	9.741	41	172024	60.897	ug/l #	36
49) 1,4-Dioxane	9.688	88	65	1.642	ug/l #	28
51) 4-Methyl-2-Pentanone	10.565	43	10052	2.984	ug/l	99
53) t-1,3-Dichloropropene	10.729	75	964	0.292	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	50826	14.563	ug/l #	75
56) Ethyl methacrylate	10.977	69	1987	0.602	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6751	1.857	ug/l #	42
59) 2-Hexanone	11.206	43	95128	38.571	ug/l #	53
71) Bromoform	12.582	173	83	0.749	ug/l #	28
74) N-amyl acetate	12.488	43	1710	0.317	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	77935	30.037	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	77935	70.256	ug/l #	12

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

Quant Time: Jun 06 00:55:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration

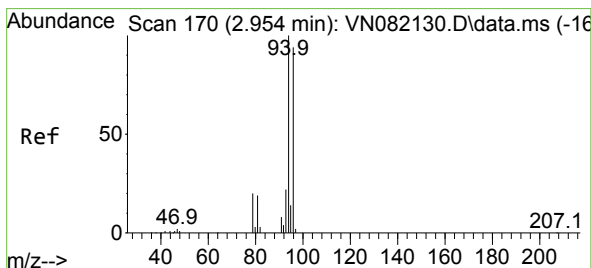
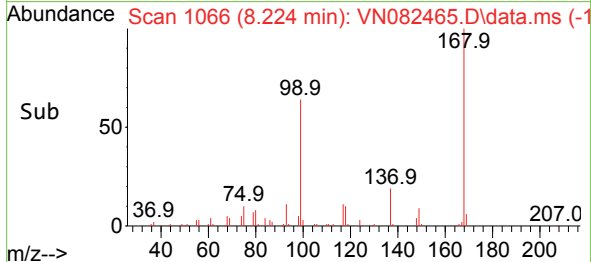
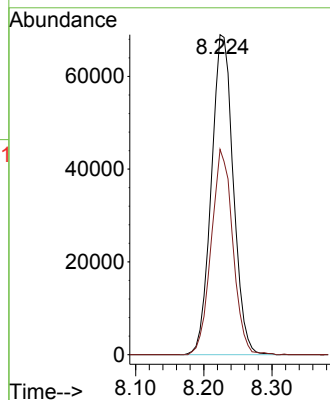
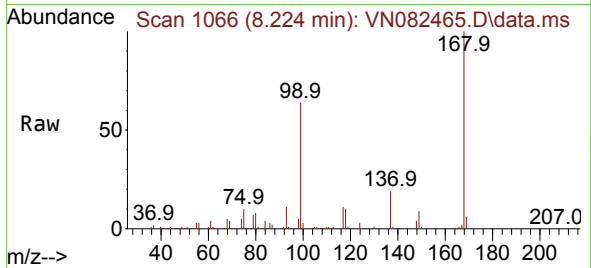




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

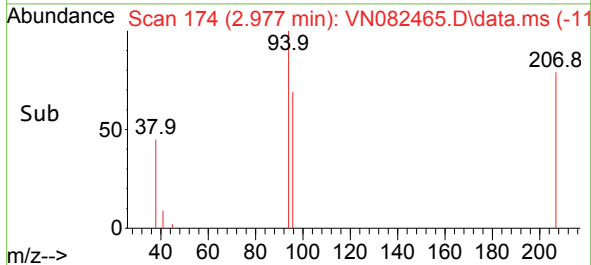
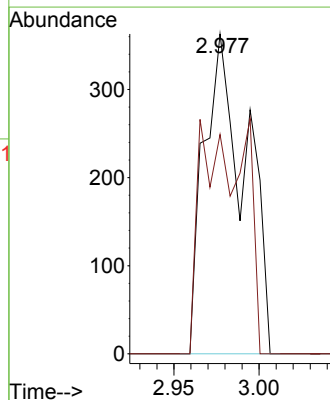
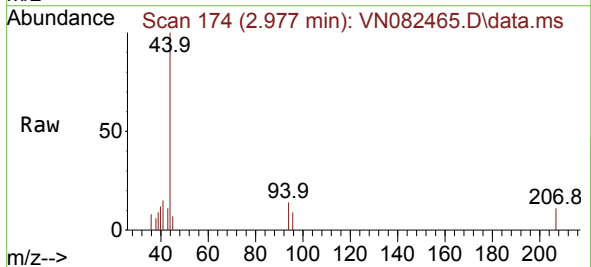
Instrument :
MSVOA_N
ClientSampleId :

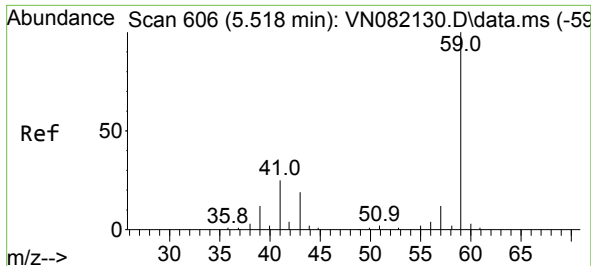
Tgt Ion:168 Resp: 154362
Ion Ratio Lower Upper
168 100
99 64.2 48.2 72.4



#5
Bromomethane
Concen: 0.449 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

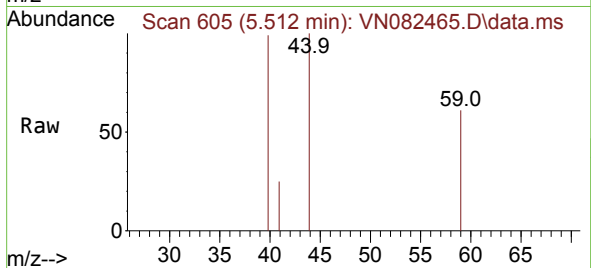
Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 68.6 74.8 112.2#



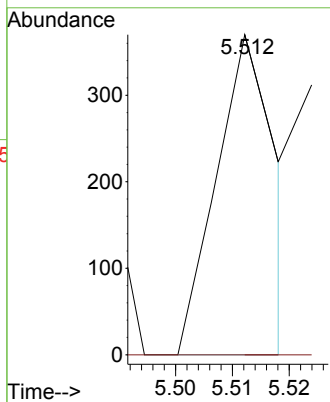
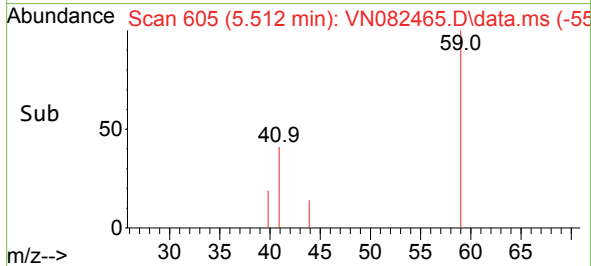


#11
Tert butyl alcohol
Concen: 0.693 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

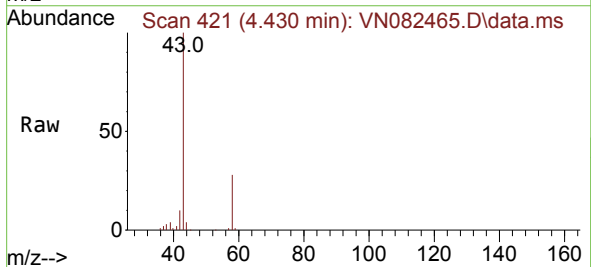
Instrument :
MSVOA_N
ClientSampleId :



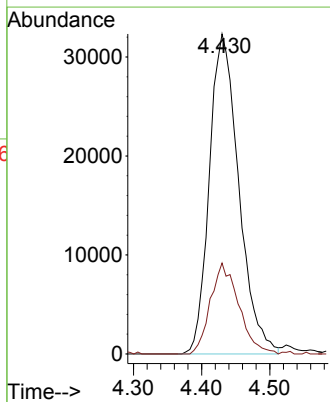
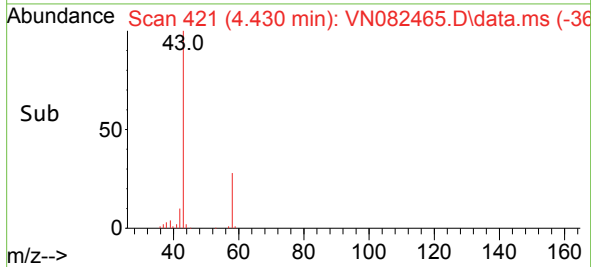
Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 97.180 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00



Tgt Ion: 43 Resp: 97167
Ion Ratio Lower Upper
43 100
58 28.4 25.2 37.8





#18

Methyl Acetate

Concen: 0.861 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

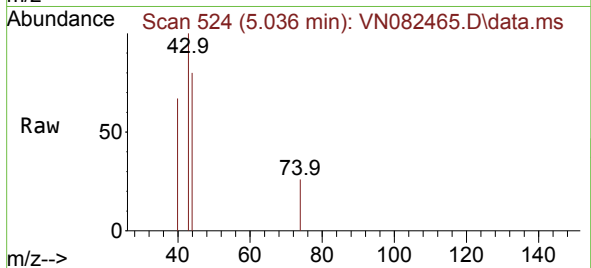
Lab File: VN082465.D

Acq: 05 Jun 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :

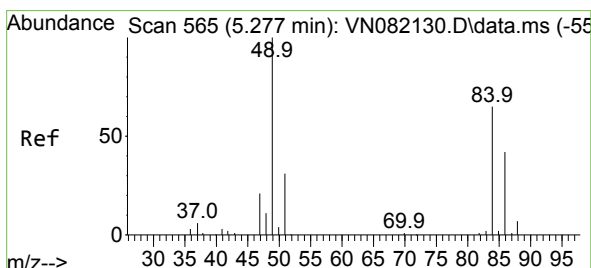
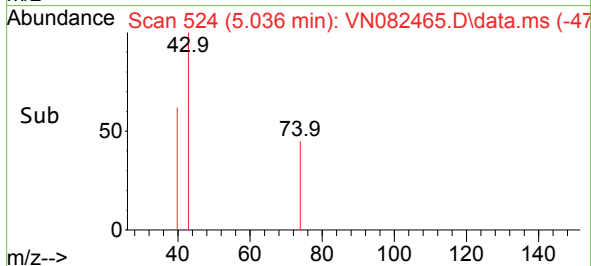
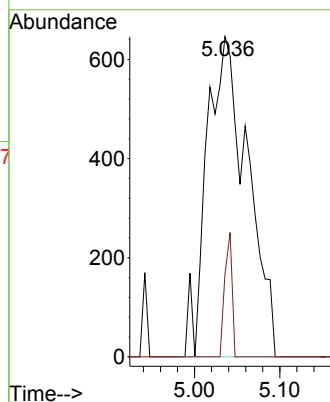


Tgt Ion: 43 Resp: 2145

Ion Ratio Lower Upper

43 100

74 6.9 22.2 33.2#



#20

Methylene Chloride

Concen: 2.113 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN082465.D

Acq: 05 Jun 2024 13:00

Tgt Ion: 84 Resp: 4263

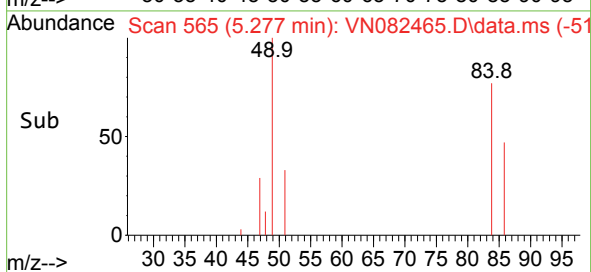
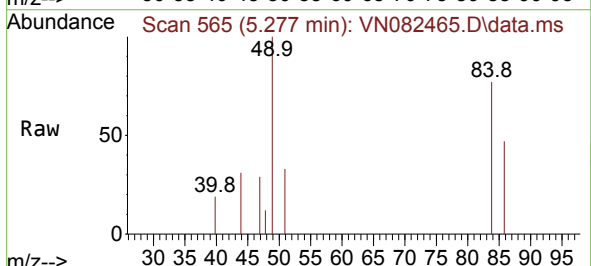
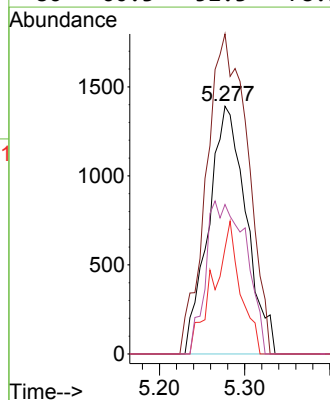
Ion Ratio Lower Upper

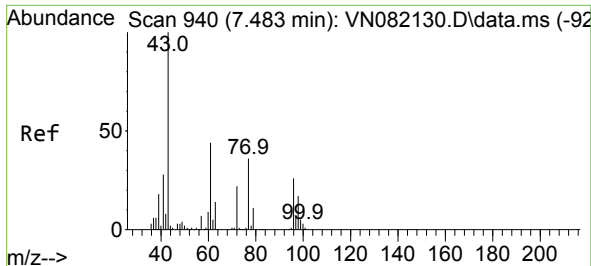
84 100

49 129.2 84.9 127.3#

51 42.6 27.0 40.6#

86 60.3 52.3 78.5

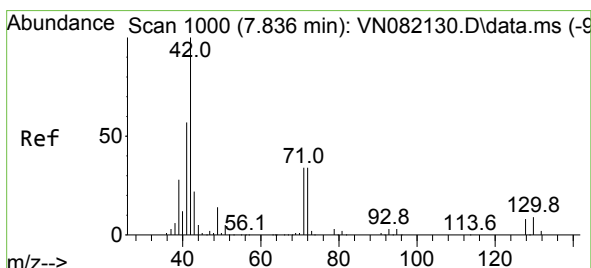
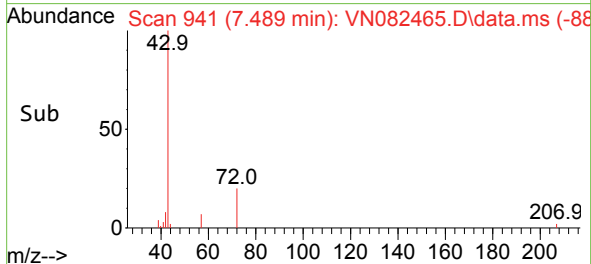
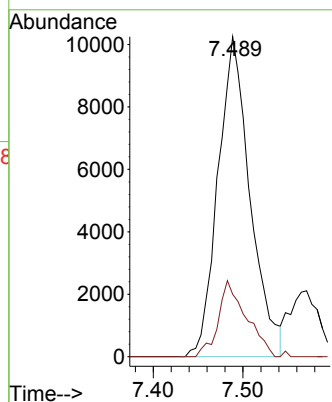
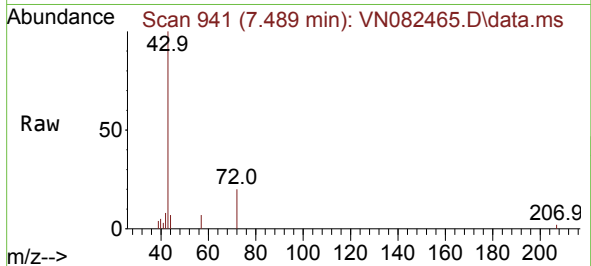




#25
2-Butanone
Concen: 16.838 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

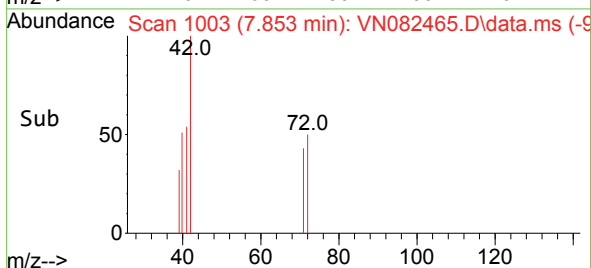
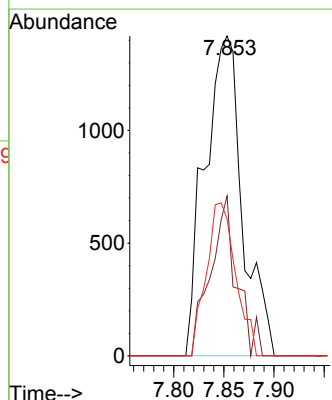
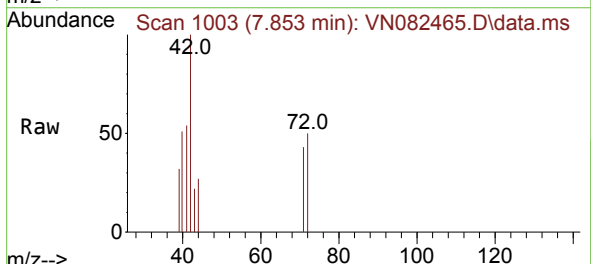
Instrument :
MSVOA_N
ClientSampleId :

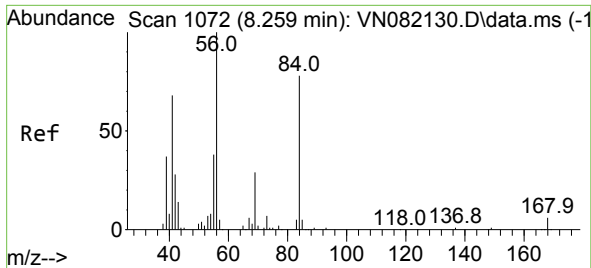
Tgt Ion: 43 Resp: 25526
Ion Ratio Lower Upper
43 100
72 19.5 25.3 37.9#



#29
Tetrahydrofuran
Concen: 3.802 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

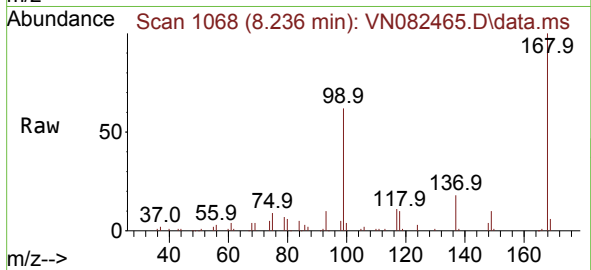
Tgt Ion: 42 Resp: 3701
Ion Ratio Lower Upper
42 100
72 34.9 39.3 58.9#
71 37.4 37.4 56.0



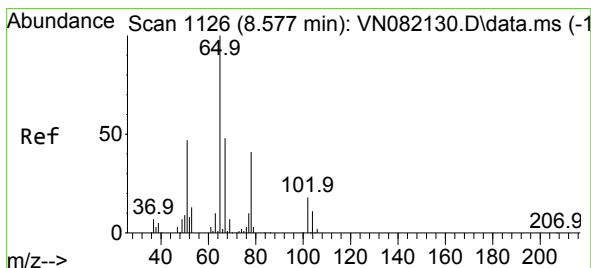
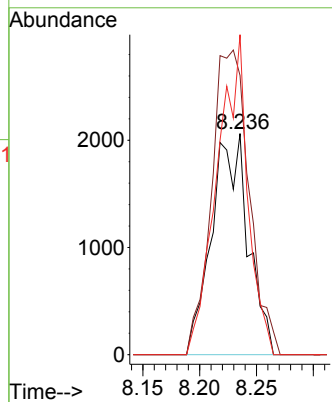
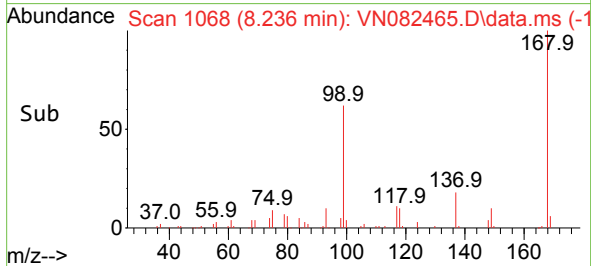


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Instrument :
MSVOA_N
ClientSampleId :

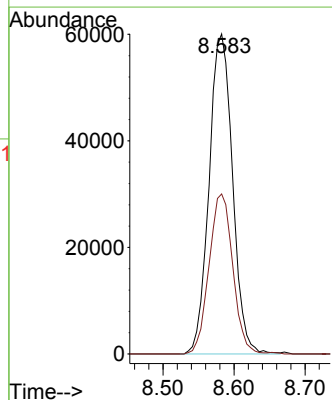
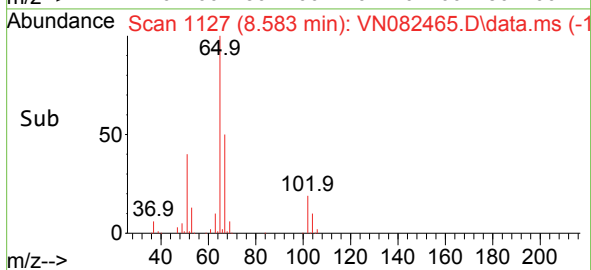
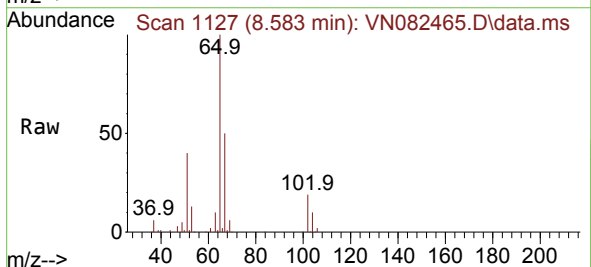


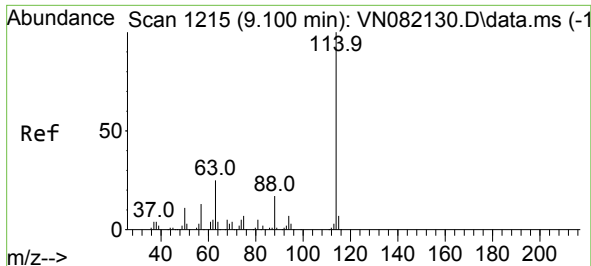
Tgt Ion: 56 Resp: 4581
Ion Ratio Lower Upper
56 100
69 126.3 24.4 36.6#
84 144.8 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 56.526 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

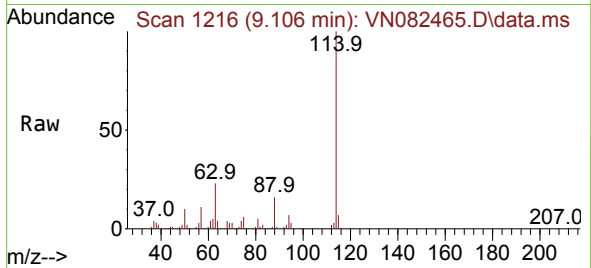
Tgt Ion: 65 Resp: 137778
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0



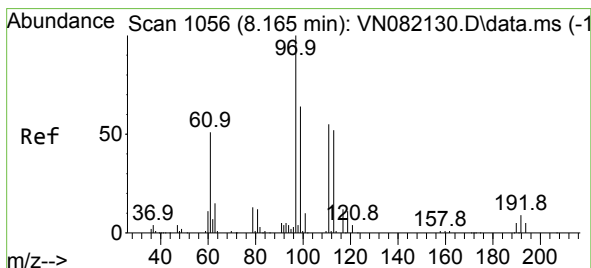
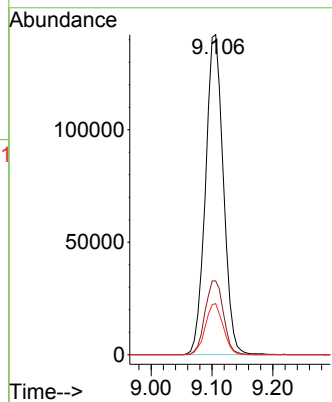
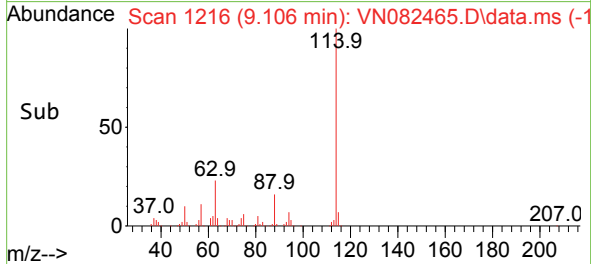


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Instrument :
MSVOA_N
ClientSampleId :

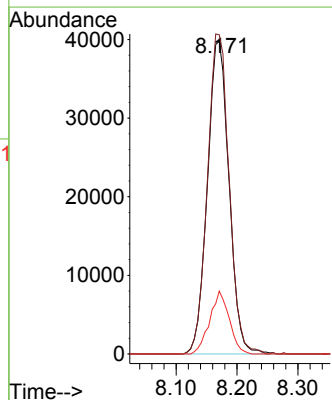
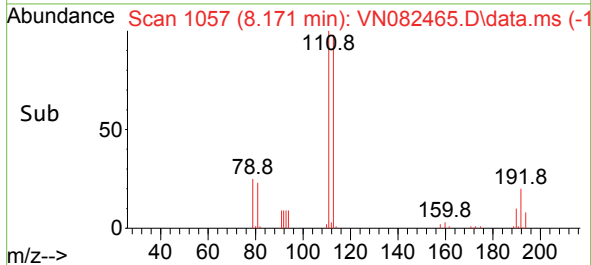
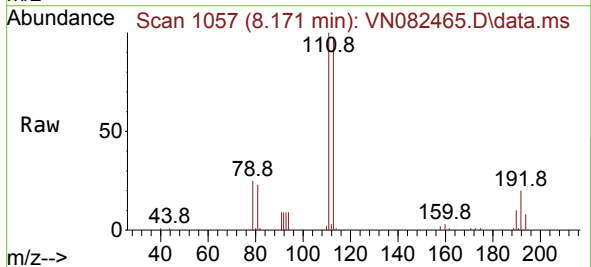


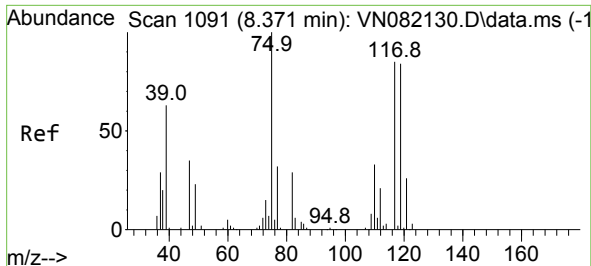
Tgt Ion:114 Resp: 289768
Ion Ratio Lower Upper
114 100
63 23.1 0.0 41.0
88 16.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.020 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

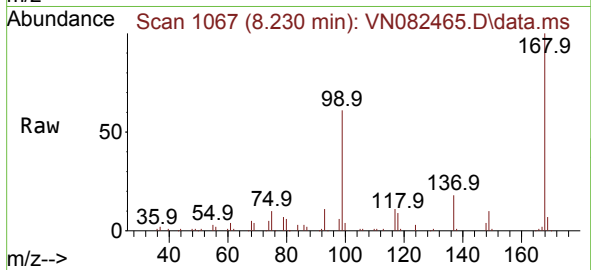
Tgt Ion:113 Resp: 98075
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.2
192 18.1 14.0 21.0



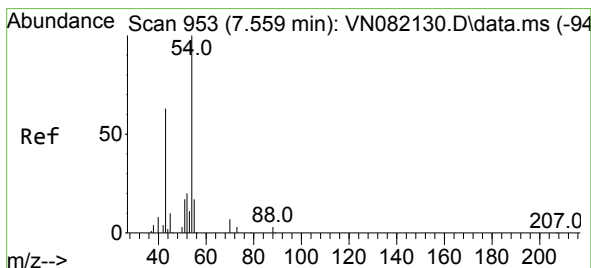
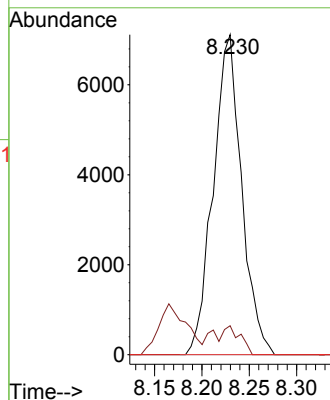
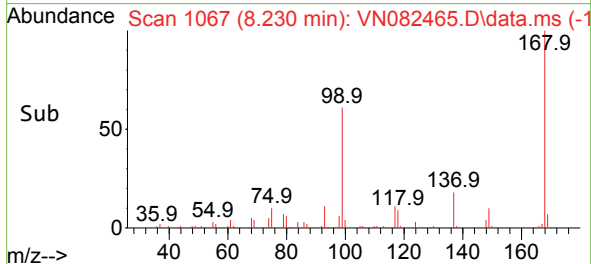


#36
1,1-Dichloropropene
Concen: 4.953 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Instrument :
MSVOA_N
ClientSampleId :

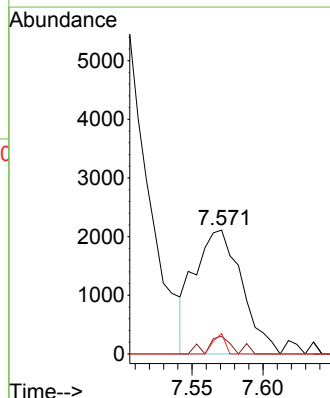
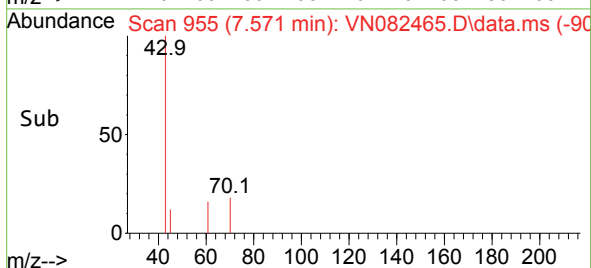
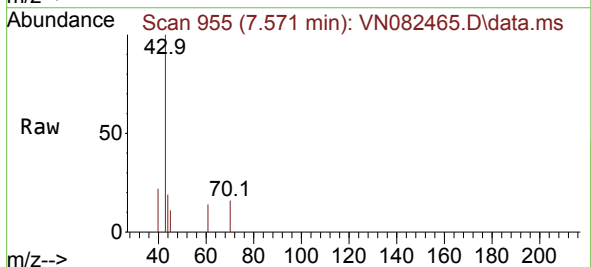


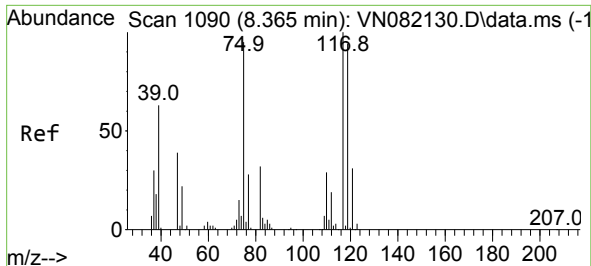
Tgt Ion: 75 Resp: 14807
Ion Ratio Lower Upper
75 100
110 5.4 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.462 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

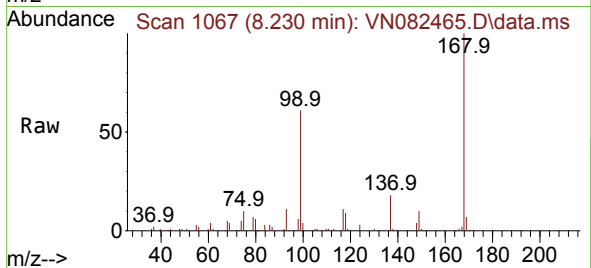
Tgt Ion: 43 Resp: 4890
Ion Ratio Lower Upper
43 100
61 7.9 11.3 16.9#
70 4.1 8.7 13.1#



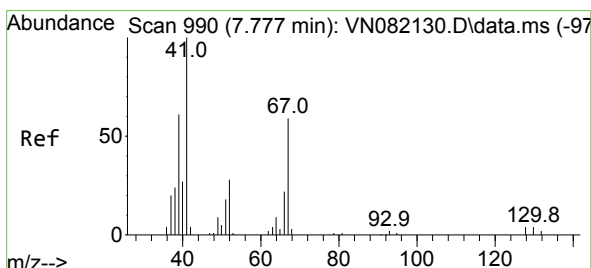
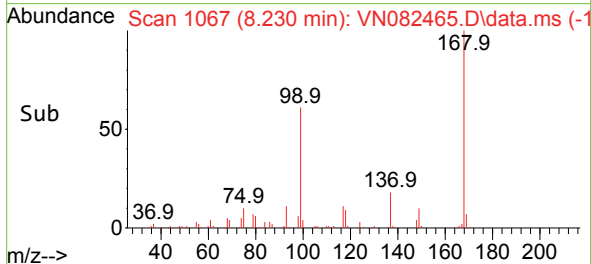
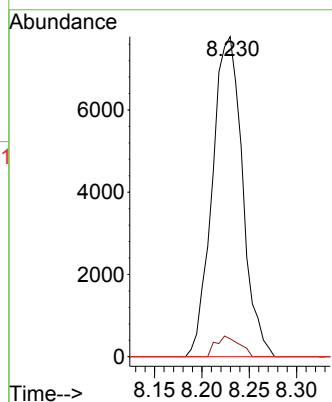


#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 8.230 min Scan# 1000
Delta R.T. -0.135 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Instrument :
MSVOA_N
ClientSampleId :

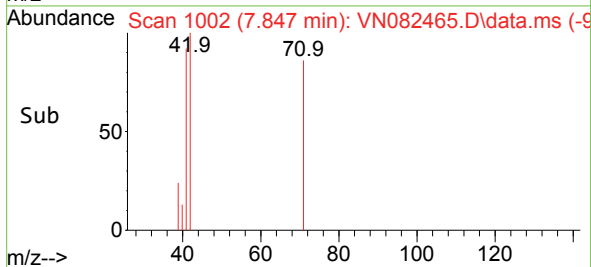
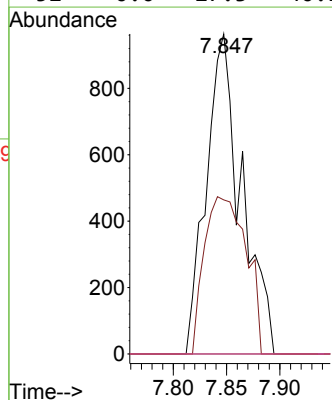
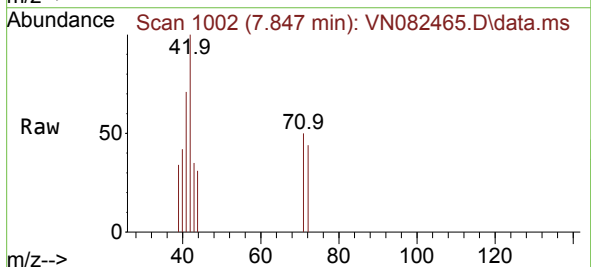


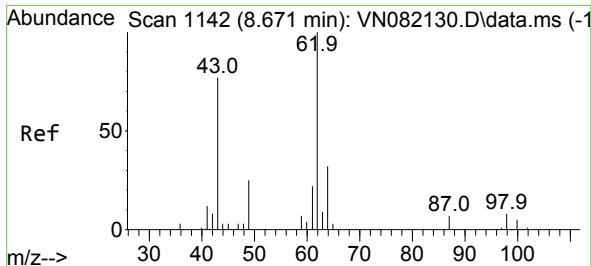
Tgt Ion:117 Resp: 17259
Ion Ratio Lower Upper
117 100
119 5.6 76.5 114.7#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.125 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Tgt Ion: 41 Resp: 2214
Ion Ratio Lower Upper
41 100
39 58.6 46.6 69.8
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.279 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082465.D

Acq: 05 Jun 2024 13:00

Instrument :

MSVOA_N

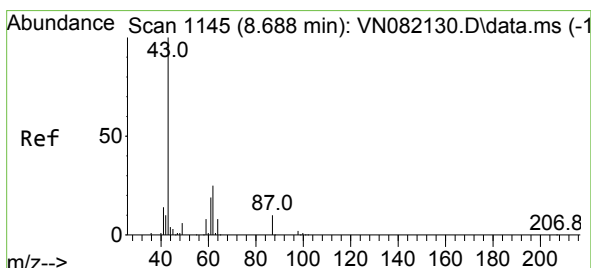
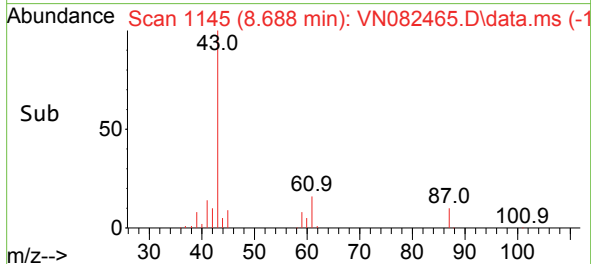
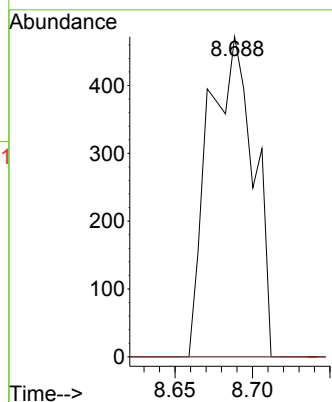
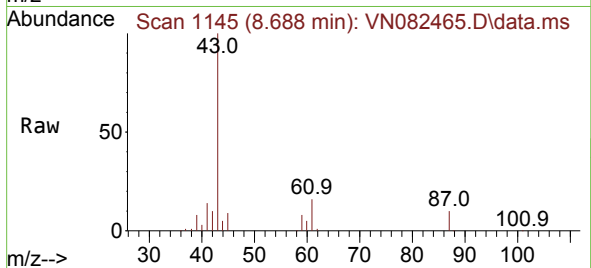
ClientSampleId :

Tgt Ion: 62 Resp: 956

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 40.388 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082465.D

Acq: 05 Jun 2024 13:00

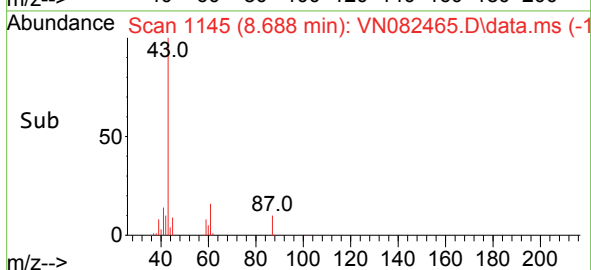
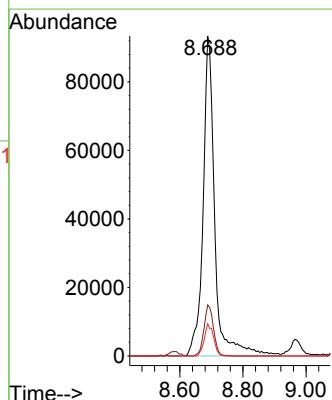
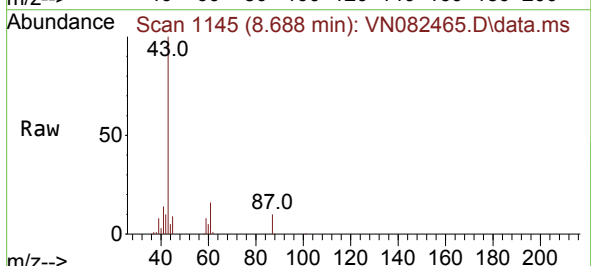
Tgt Ion: 43 Resp: 239434

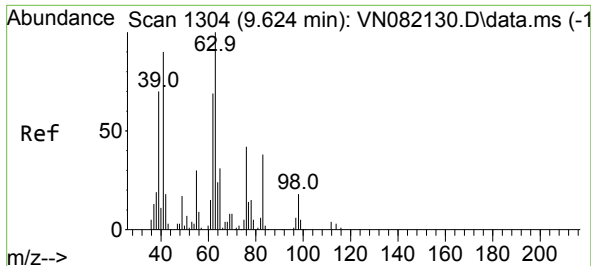
Ion Ratio Lower Upper

43 100

61 13.0 22.8 34.2#

87 7.9 12.0 18.0#

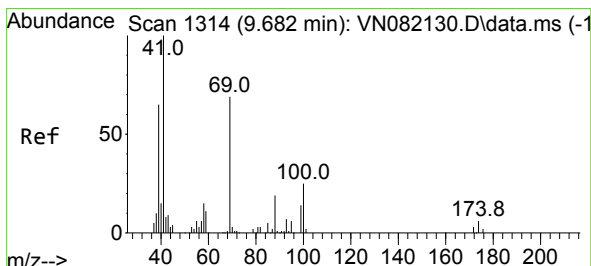
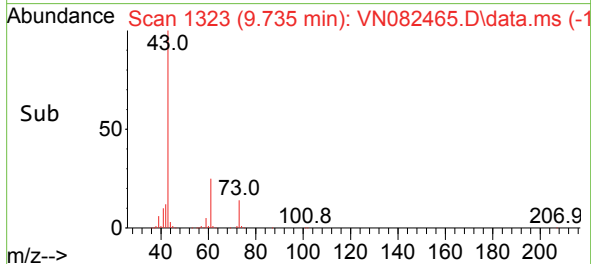
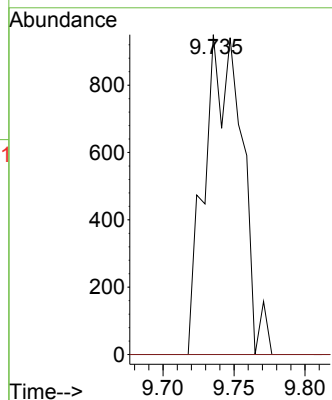
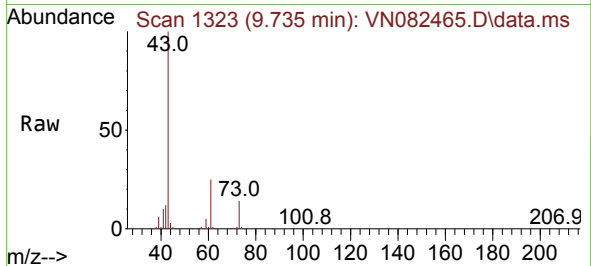




#45
1,2-Dichloropropane
Concen: 0.754 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

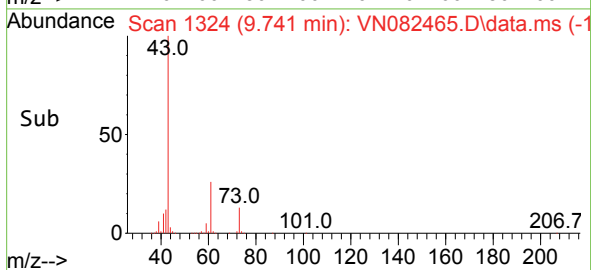
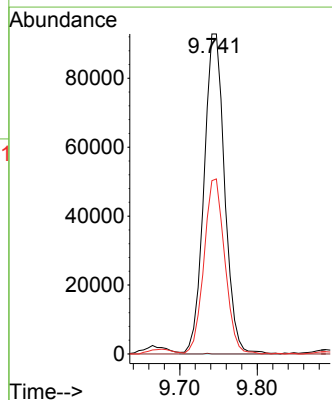
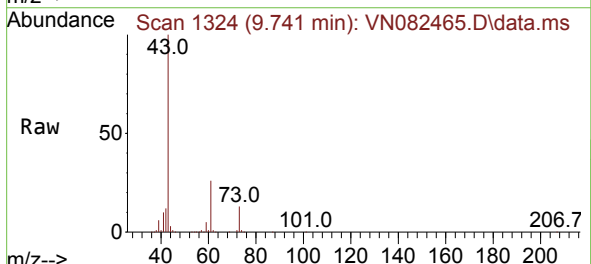
Instrument :
MSVOA_N
ClientSampleId :

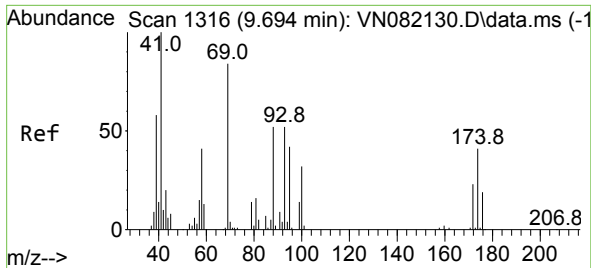
Tgt Ion: 63 Resp: 1735
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#



#48
Methyl methacrylate
Concen: 60.897 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Tgt Ion: 41 Resp: 172024
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 55.0 50.9 76.3





#49

1,4-Dioxane

Concen: 1.642 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

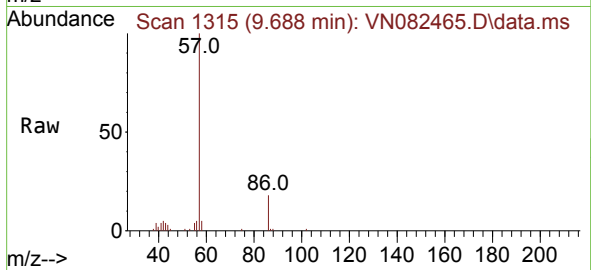
Lab File: VN082465.D

Acq: 05 Jun 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :



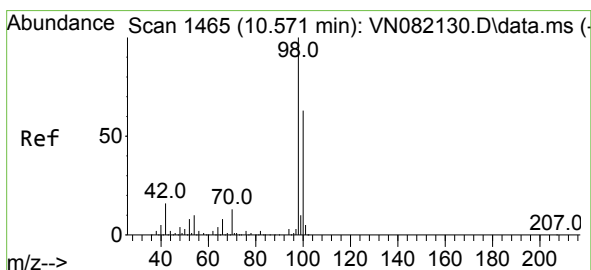
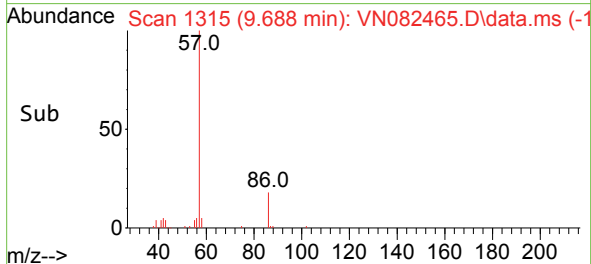
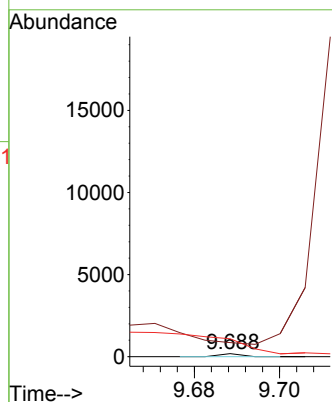
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 50.6 76.0#



#50

Toluene-d8

Concen: 56.980 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082465.D

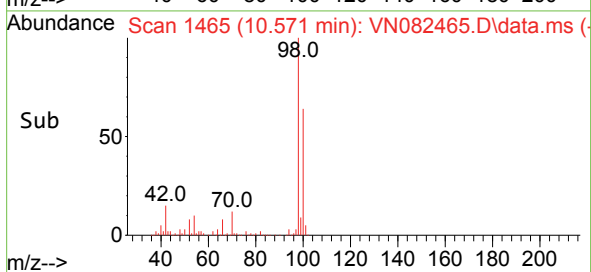
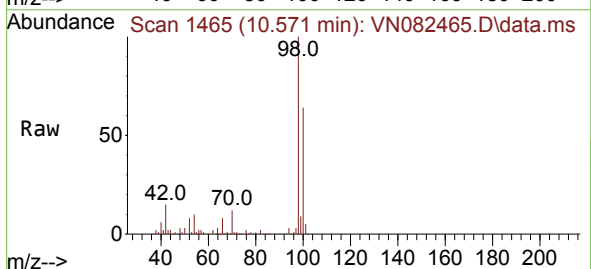
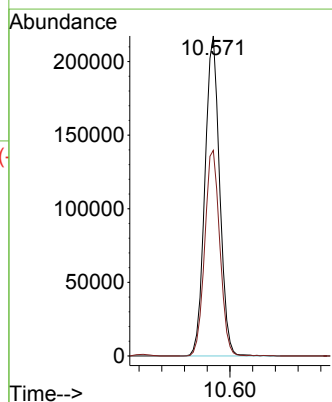
Acq: 05 Jun 2024 13:00

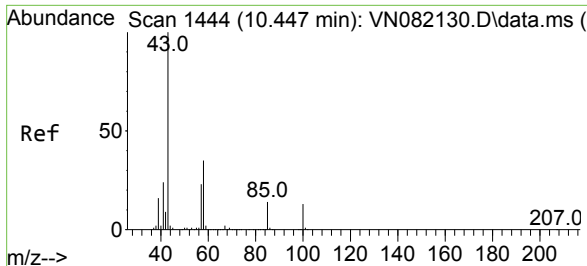
Tgt Ion: 98 Resp: 389401

Ion Ratio Lower Upper

98 100

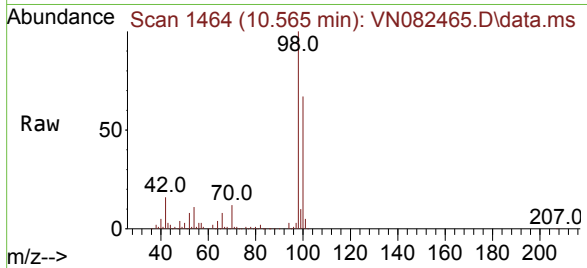
100 65.8 51.8 77.6



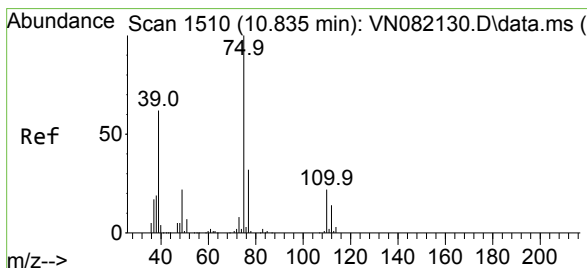
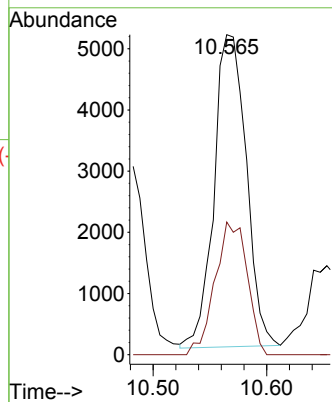
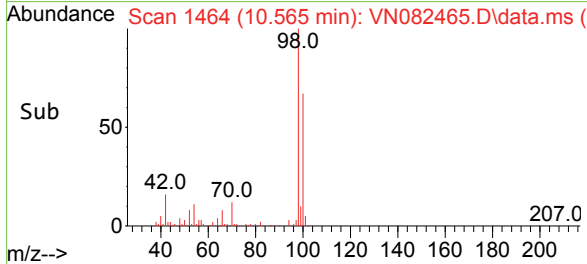


#51
4-Methyl-2-Pentanone
Concen: 2.984 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Instrument :
MSVOA_N
ClientSampleId :

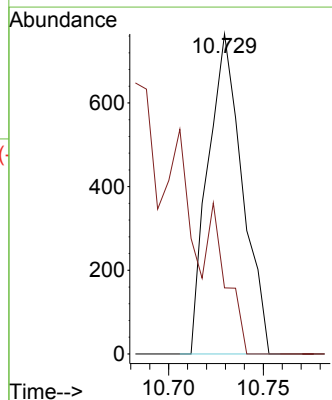
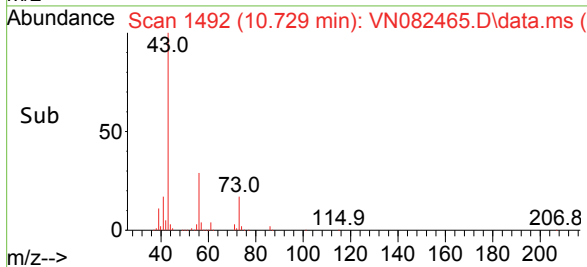
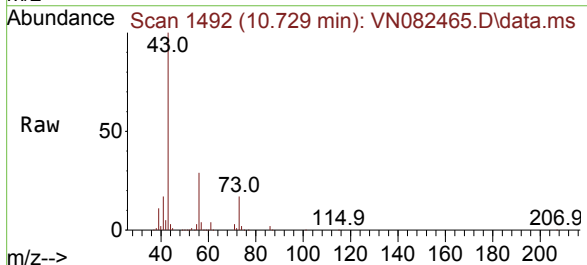


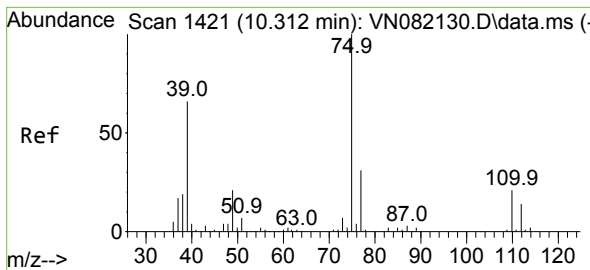
Tgt Ion: 43 Resp: 10052
Ion Ratio Lower Upper
43 100
58 42.4 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.292 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Tgt Ion: 75 Resp: 964
Ion Ratio Lower Upper
75 100
77 20.7 25.4 38.0#

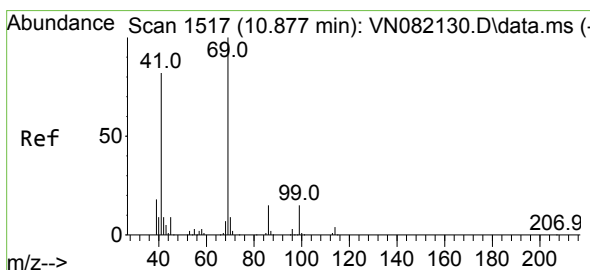
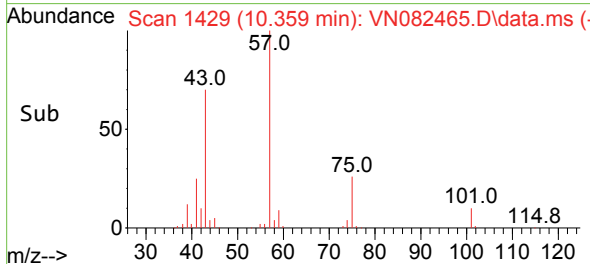
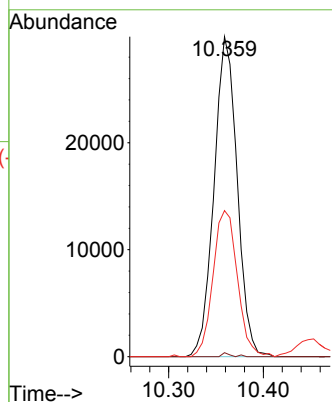
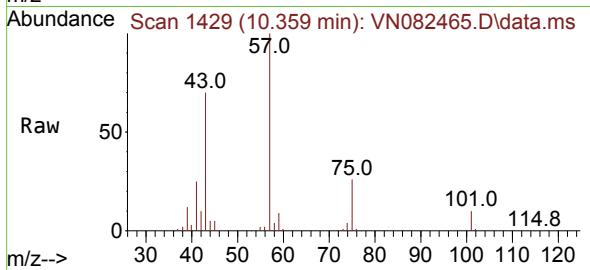




#54
 cis-1,3-Dichloropropene
 Concen: 14.563 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082465.D
 Acq: 05 Jun 2024 13:00

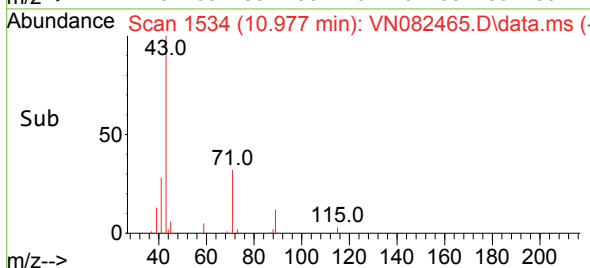
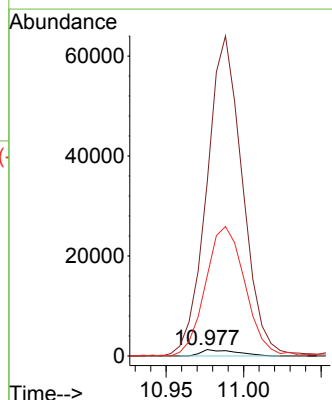
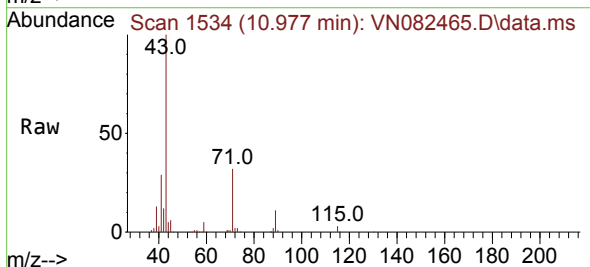
Instrument :
 MSVOA_N
 ClientSampleId :

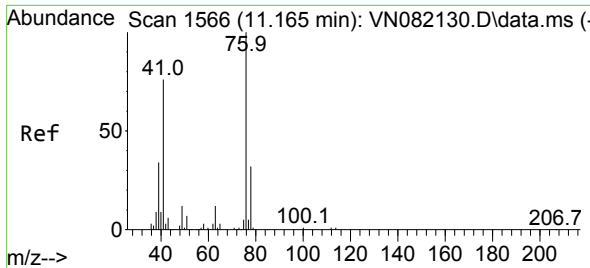
Tgt Ion: 75 Resp: 50826
 Ion Ratio Lower Upper
 75 100
 77 1.3 25.0 37.4#
 39 45.7 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.602 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN082465.D
 Acq: 05 Jun 2024 13:00

Tgt Ion: 69 Resp: 1987
 Ion Ratio Lower Upper
 69 100
 41 5192.1 46.6 70.0#
 39 2317.6 26.5 39.7#

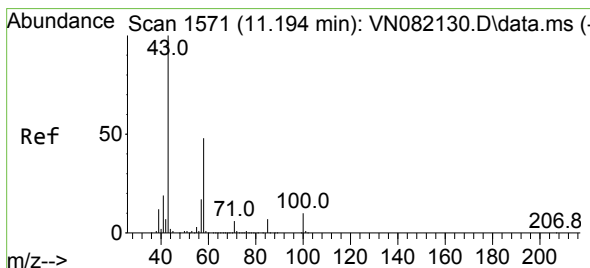
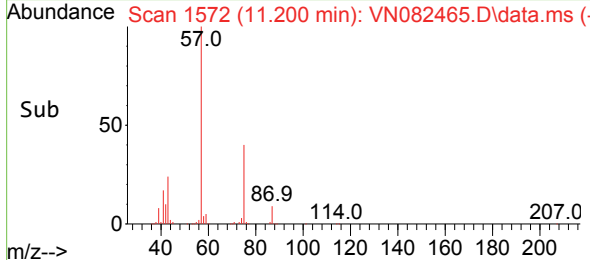
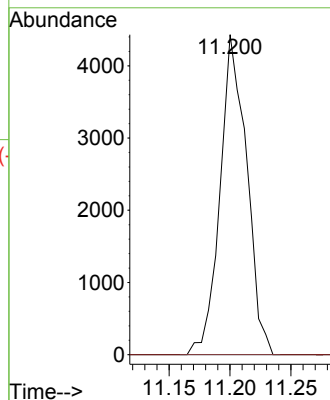
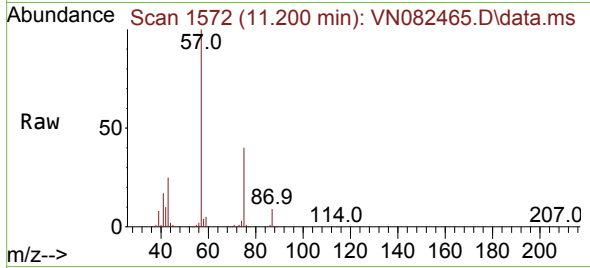




#57
1,3-Dichloropropane
Concen: 1.857 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

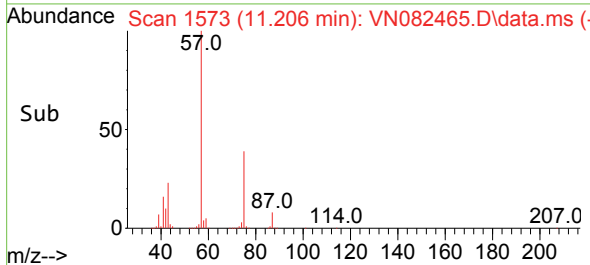
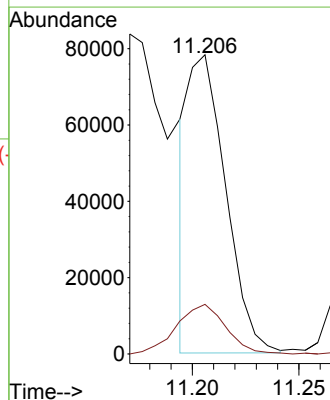
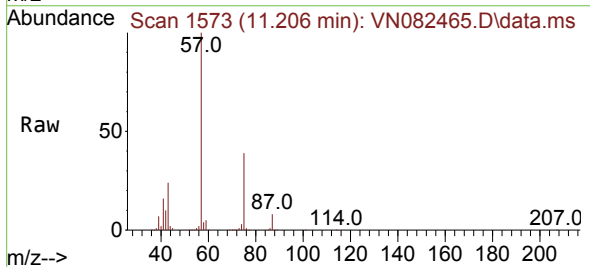
Instrument :
MSVOA_N
ClientSampleId :

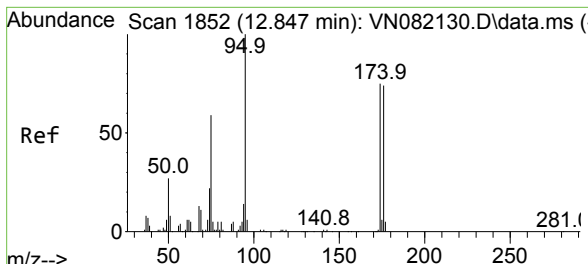
Tgt Ion: 76 Resp: 6751
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 38.571 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Tgt Ion: 43 Resp: 95128
Ion Ratio Lower Upper
43 100
58 22.1 28.3 84.9#

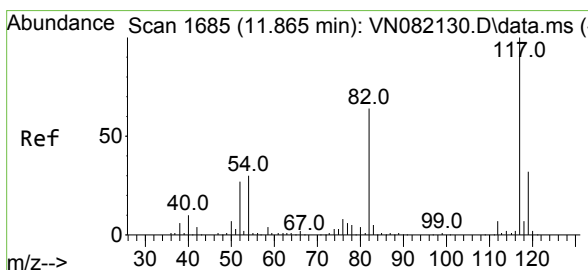
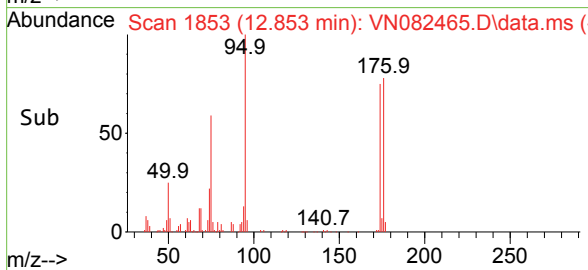
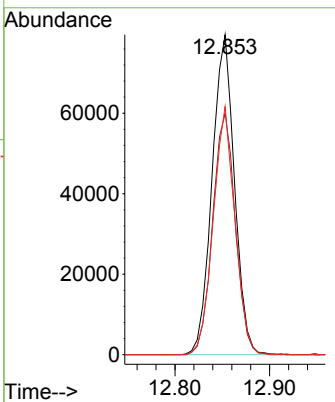
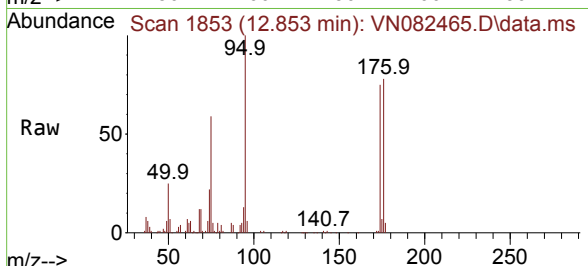




#62
4-Bromofluorobenzene
Concen: 53.530 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

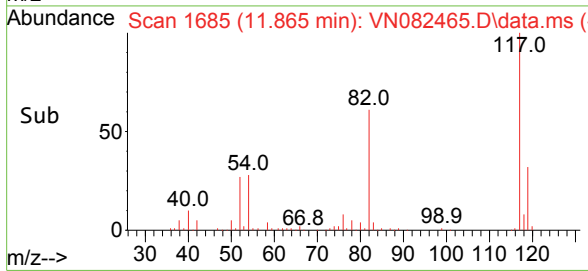
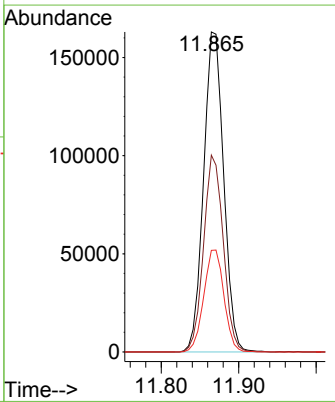
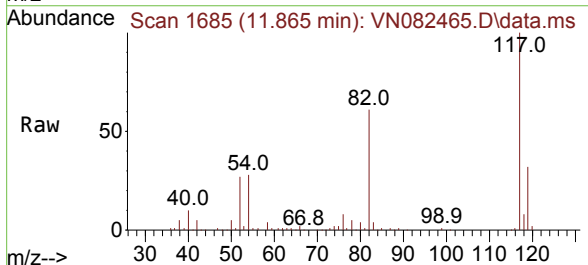
Instrument :
MSVOA_N
ClientSampleId :

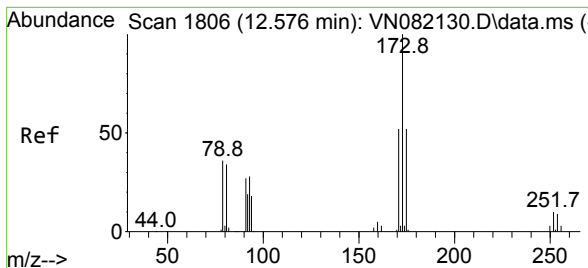
Tgt Ion:	95	Resp:	130571
Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	160.6
176	75.1	0.0	152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082465.D
Acq: 05 Jun 2024 13:00

Tgt Ion:	117	Resp:	293331
Ion	Ratio	Lower	Upper
117	100		
82	61.5	44.6	66.8
119	31.8	25.9	38.9





#71

Bromoform

Concen: 0.749 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.006 min

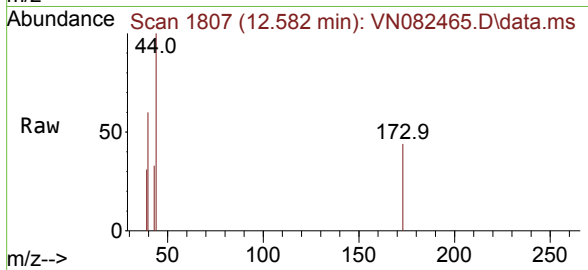
Lab File: VN082465.D

Acq: 05 Jun 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :



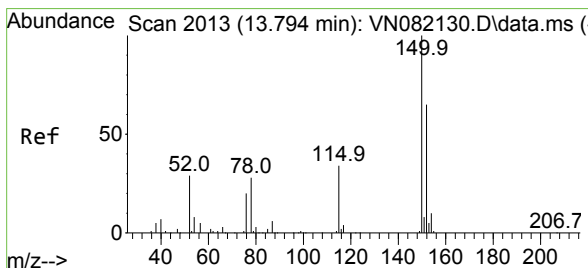
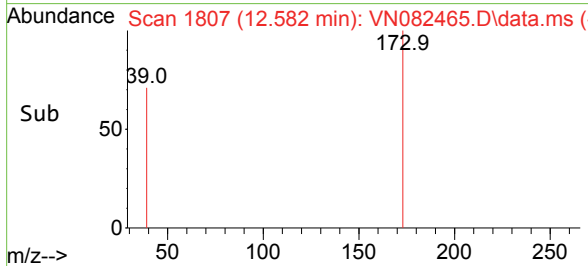
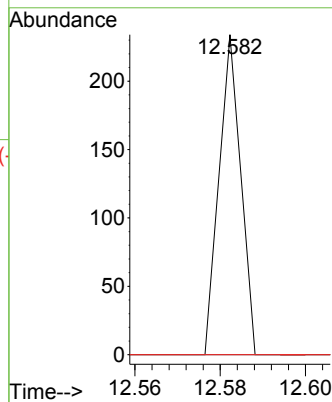
Tgt Ion:173 Resp: 83

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

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: VN082465.D

Acq: 05 Jun 2024 13:00

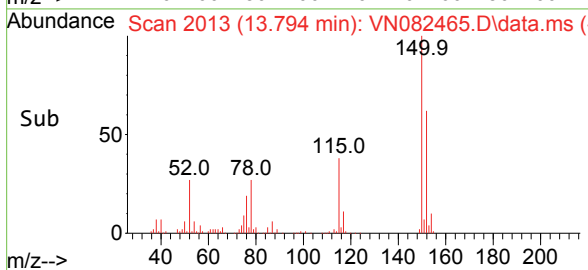
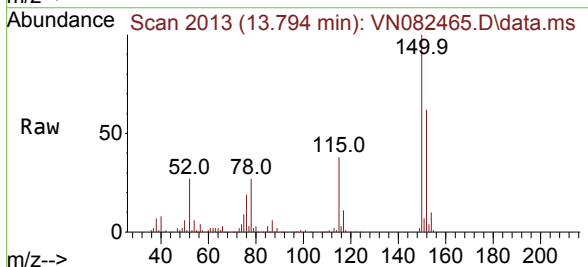
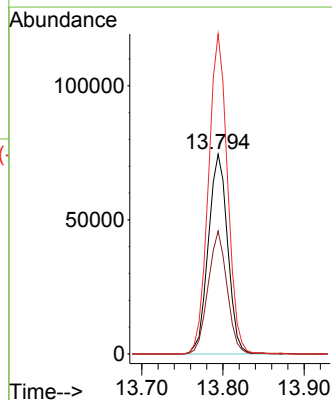
Tgt Ion:152 Resp: 123273

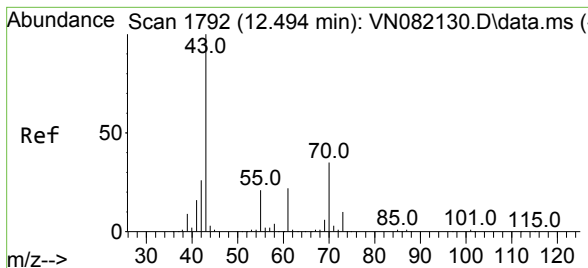
Ion Ratio Lower Upper

152 100

115 60.3 30.4 91.3

150 158.1 0.0 353.2





#74

N-amy1 acetate

Concen: 0.317 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

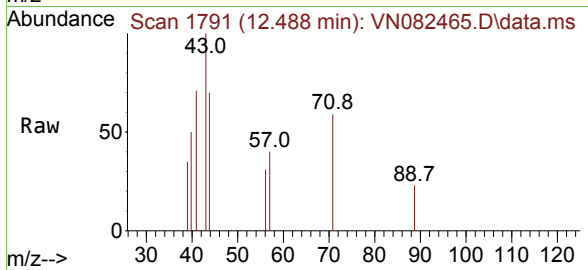
Lab File: VN082465.D

Acq: 05 Jun 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1710

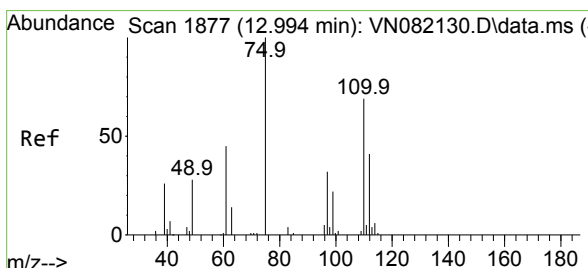
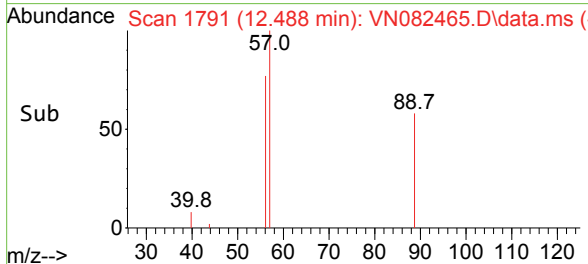
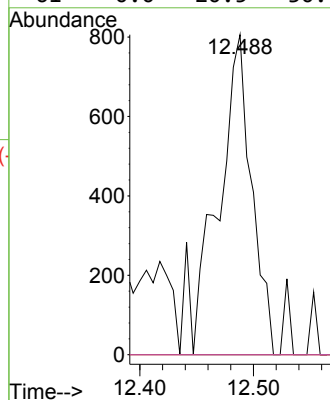
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 30.037 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082465.D

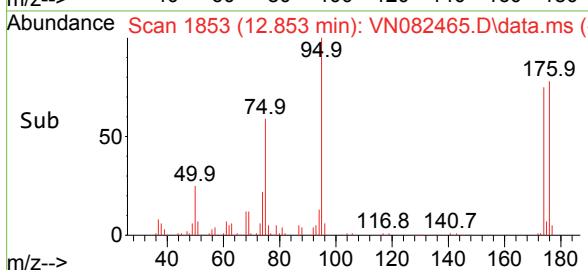
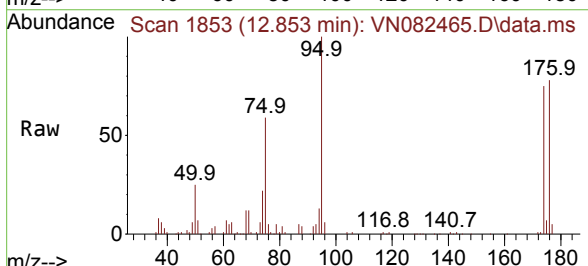
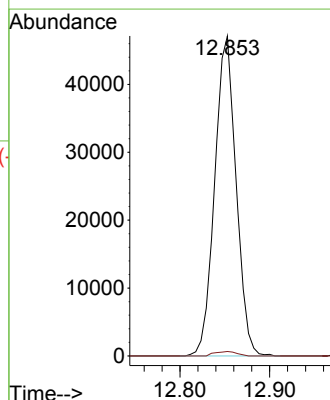
Acq: 05 Jun 2024 13:00

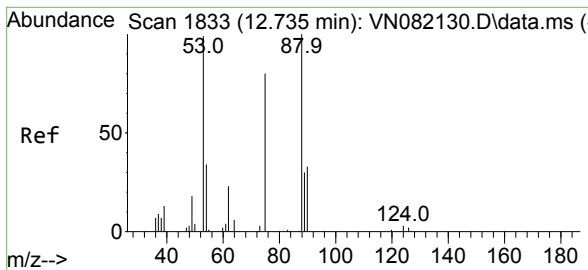
Tgt Ion: 75 Resp: 77935

Ion Ratio Lower Upper

75 100

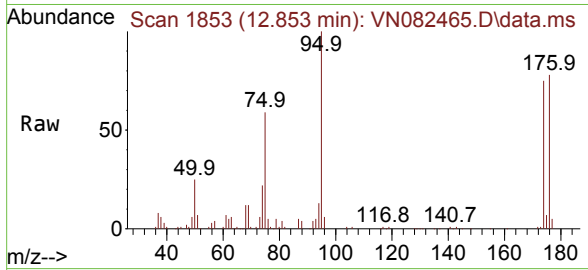
77 1.4 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.256 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082465.D
 Acq: 05 Jun 2024 13:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 77935
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

