

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082651.D
 Acq On : 19 Jun 2024 19:18
 Operator : JC\MD
 Sample : PB161587TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

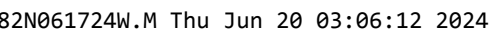
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 03:06:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	125024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	240400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	245292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	89764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116921	58.317	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.640%		
35) Dibromofluoromethane	8.171	113	86356	52.951	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.900%		
50) Toluene-d8	10.571	98	326055	52.868	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.740%		
62) 4-Bromofluorobenzene	12.853	95	100030	47.045	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 94.080%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	486	1.481	ug/l #	71
16) Acetone	4.442	43	23049	25.278	ug/l	98
18) Methyl Acetate	5.047	43	3270	1.466	ug/l #	77
20) Methylene Chloride	5.283	84	19648	12.257	ug/l #	82
25) 2-Butanone	7.494	43	13943	10.758	ug/l	100
29) Tetrahydrofuran	7.853	42	696	0.877	ug/l #	45
31) Cyclohexane	8.230	56	3888	1.344	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	11335	4.649	ug/l #	51
37) Ethyl Acetate	7.571	43	4044	1.302	ug/l #	88
38) Carbon Tetrachloride	8.224	117	12822	4.667	ug/l #	19
43) Isopropyl Acetate	8.694	43	262802	45.282	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	1610	0.830	ug/l #	44
48) Methyl methacrylate	9.677	41	5542	2.316	ug/l #	49
51) 4-Methyl-2-Pentanone	10.453	43	5242	1.761	ug/l	99
52) Toluene	10.629	92	1039	0.228	ug/l	86
53) t-1,3-Dichloropropene	10.735	75	765	0.267	ug/l #	53
54) cis-1,3-Dichloropropene	10.359	75	41289	13.938	ug/l #	74
56) Ethyl methacrylate	10.982	69	1701	0.622	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6120	2.004	ug/l #	43
59) 2-Hexanone	11.171	43	122342	54.074	ug/l #	28
74) N-amyl acetate	12.453	43	3998	1.099	ug/l #	51
76) 1,2,3-Trichloropropane	12.853	75	58507	26.649	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	58507	63.755	ug/l #	6

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

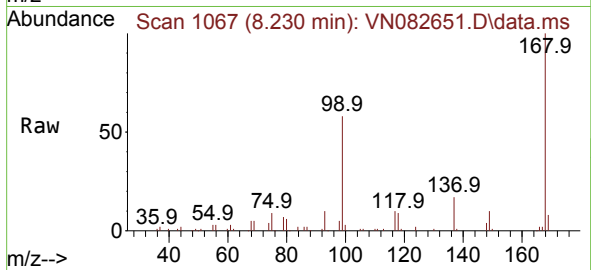
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Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



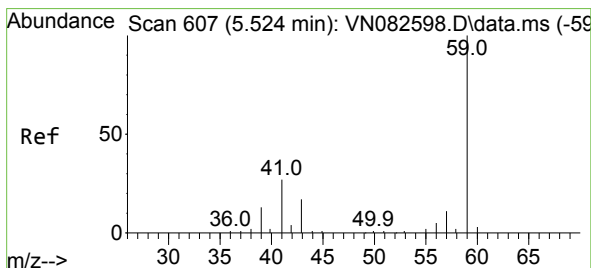
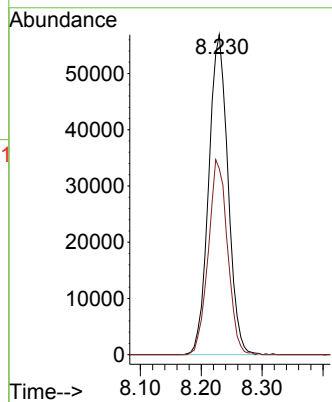
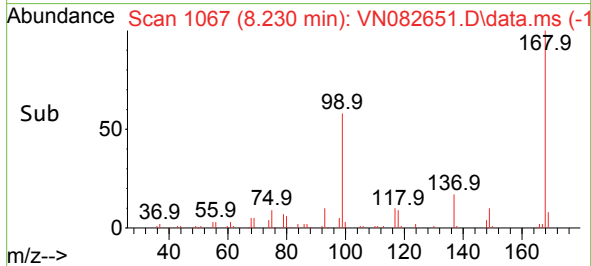


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

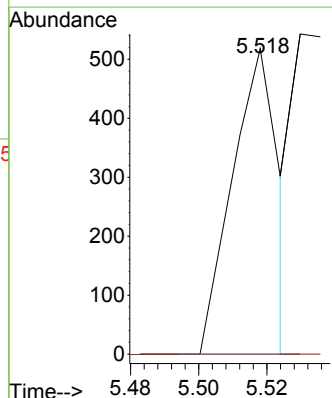
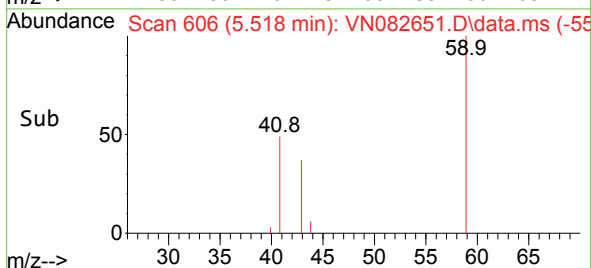
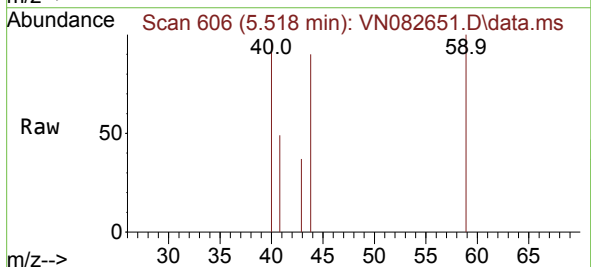


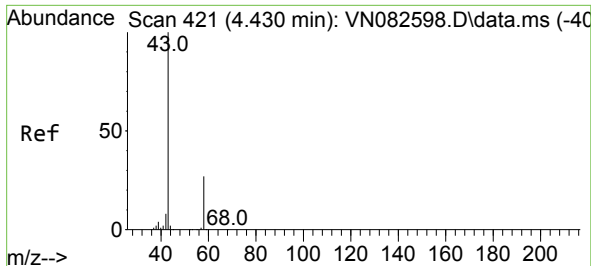
Tgt Ion:168 Resp: 125024
Ion Ratio Lower Upper
168 100
99 58.2 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.481 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

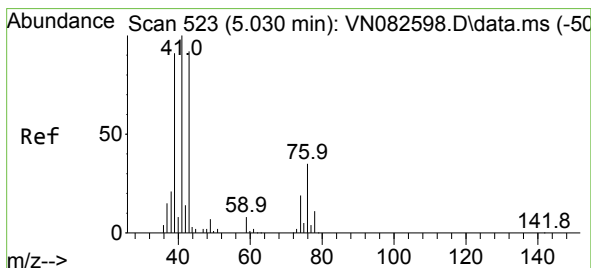
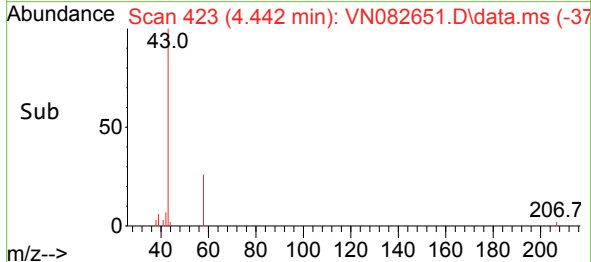
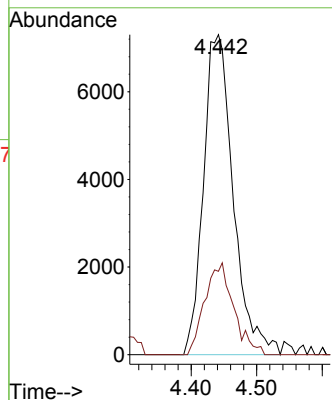
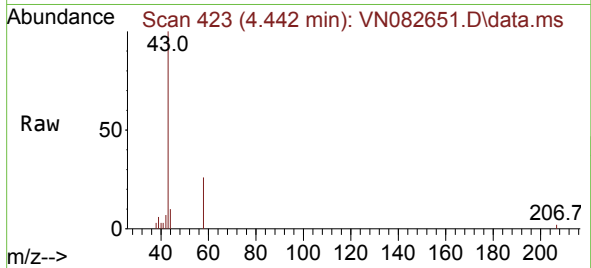




#16
Acetone
Concen: 25.278 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

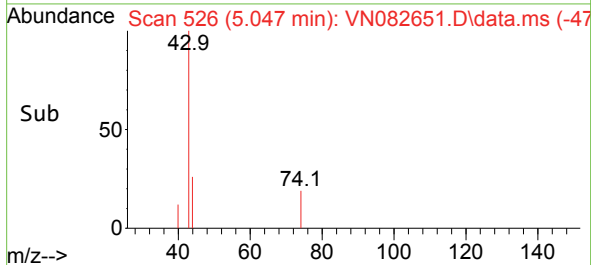
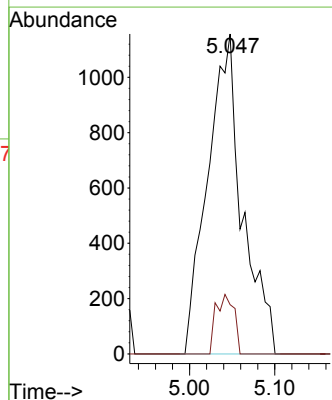
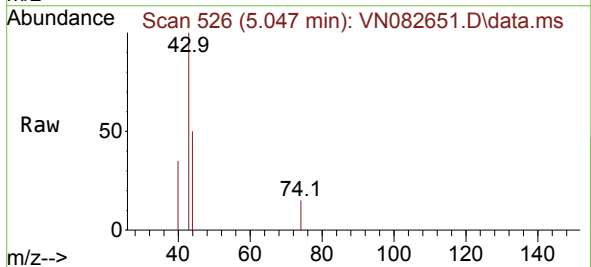
Instrument :
MSVOA_N
ClientSampleId :

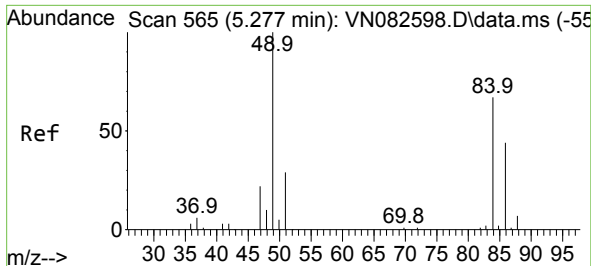
Tgt Ion: 43 Resp: 23049
Ion Ratio Lower Upper
43 100
58 26.0 21.8 32.6



#18
Methyl Acetate
Concen: 1.466 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.018 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

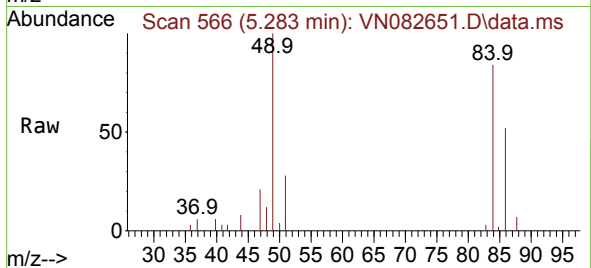
Tgt Ion: 43 Resp: 3270
Ion Ratio Lower Upper
43 100
74 9.7 16.3 24.5#



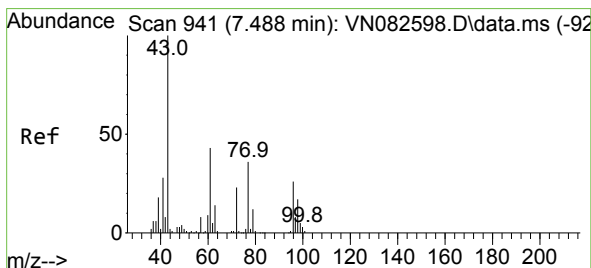
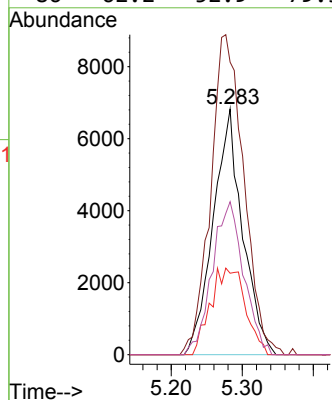


#20
Methylene Chloride
Concen: 12.257 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

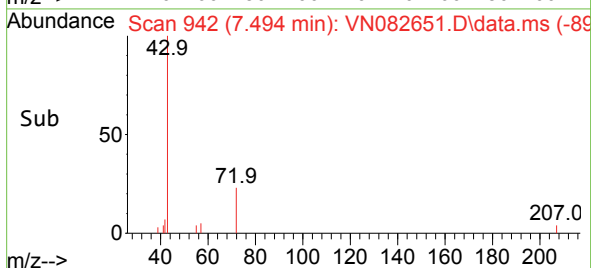
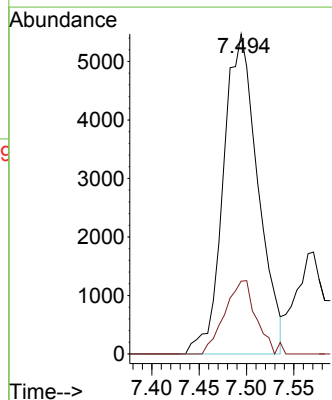
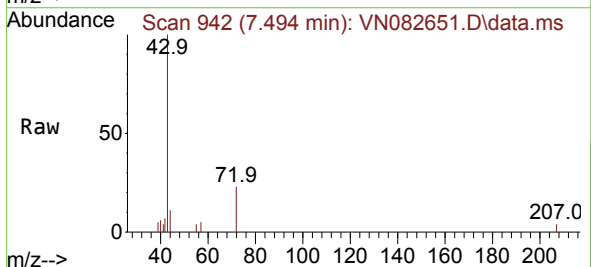


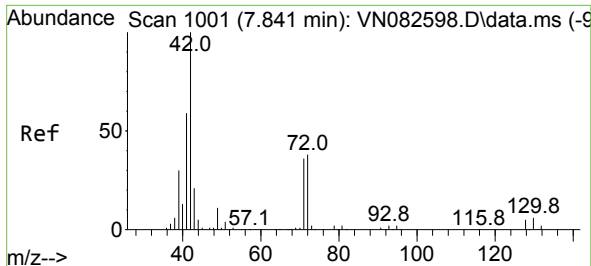
Tgt Ion:	84	Resp:	19648
Ion	Ratio	Lower	Upper
84	100		
49	119.0	119.6	179.4#
51	33.1	34.8	52.2#
86	62.2	52.9	79.3



#25
2-Butanone
Concen: 10.758 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Tgt Ion:	43	Resp:	13943
Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.877 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

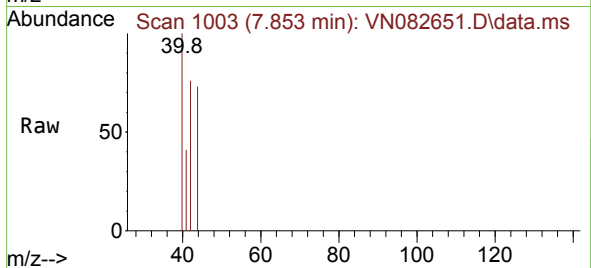
Lab File: VN082651.D

Acq: 19 Jun 2024 19:18

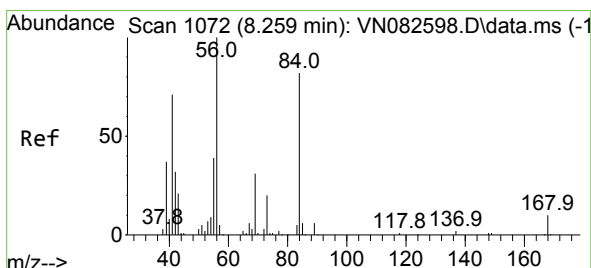
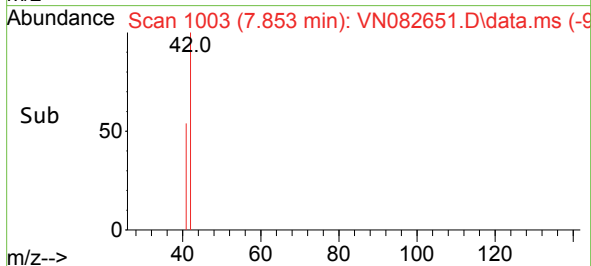
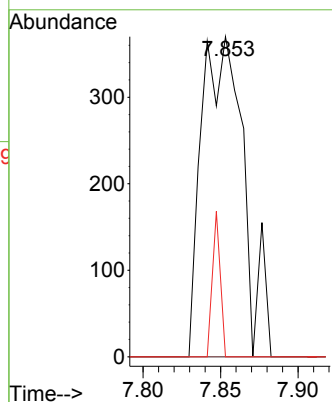
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	696
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.0	45.0#
71	8.5	28.3	42.5#



#31

Cyclohexane

Concen: 1.344 ug/l

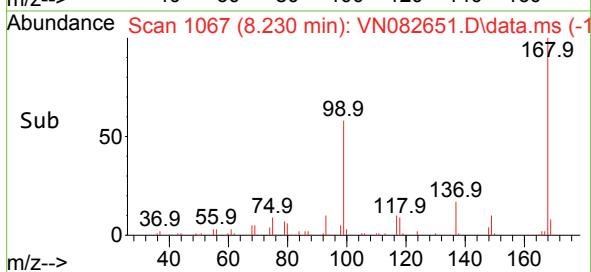
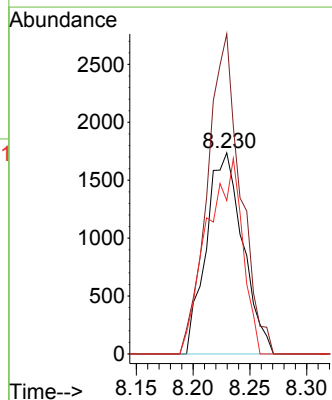
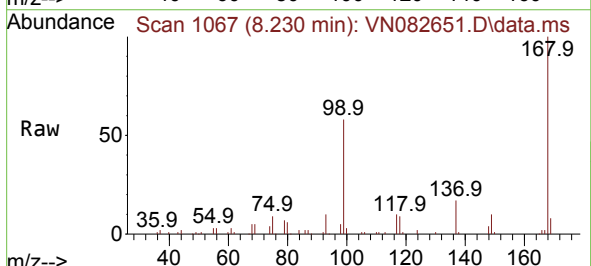
RT: 8.230 min Scan# 1067

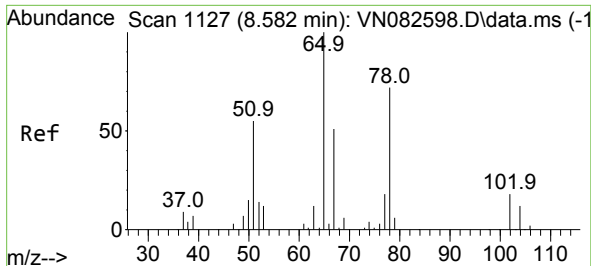
Delta R.T. -0.029 min

Lab File: VN082651.D

Acq: 19 Jun 2024 19:18

Tgt Ion:	56	Resp:	3888
Ion Ratio	Lower	Upper	
56	100		
69	159.2	24.5	36.7#
84	76.3	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 58.317 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082651.D

Acq: 19 Jun 2024 19:18

Instrument :

MSVOA_N

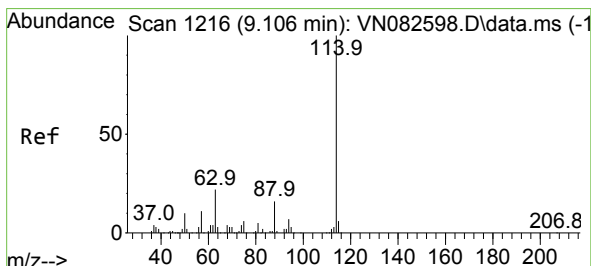
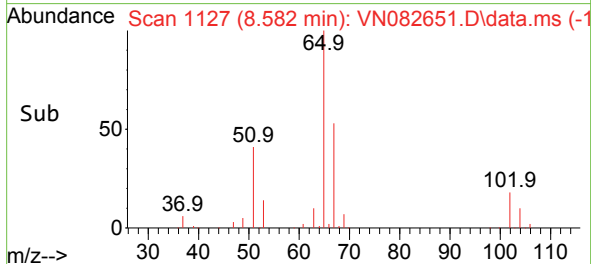
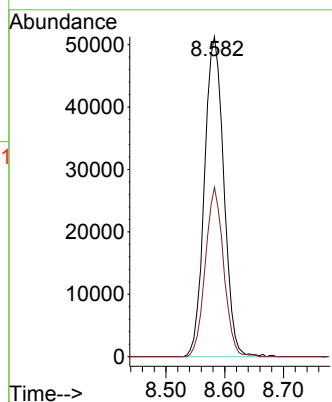
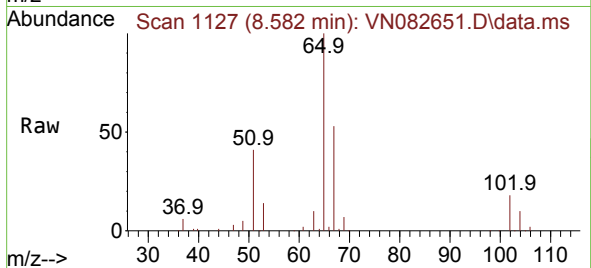
ClientSampleId :

Tgt Ion: 65 Resp: 116921

Ion Ratio Lower Upper

65 100

67 50.3 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: VN082651.D

Acq: 19 Jun 2024 19:18

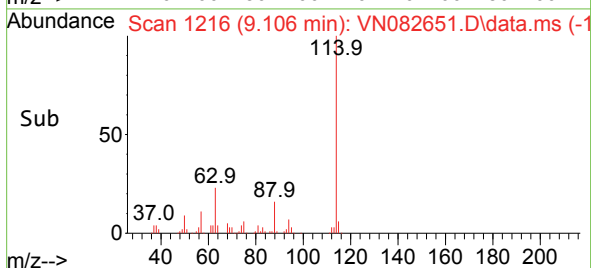
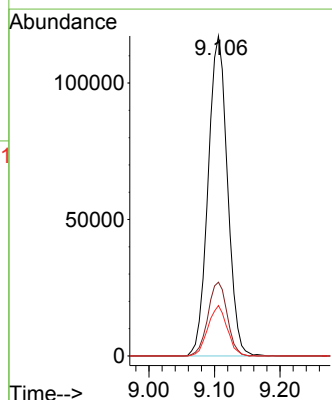
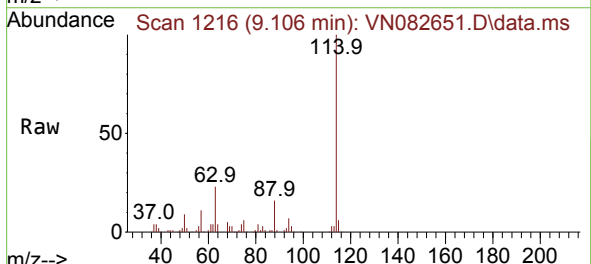
Tgt Ion: 114 Resp: 240400

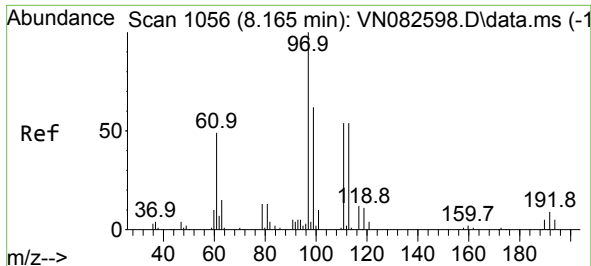
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

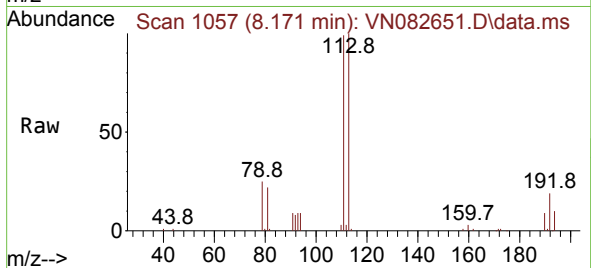
88 15.7 0.0 31.4



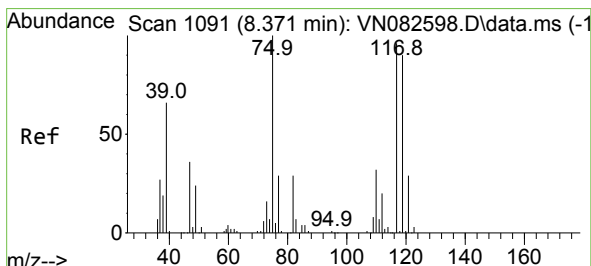
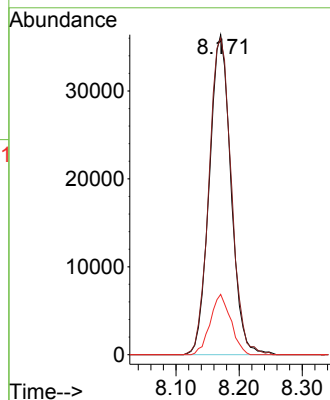
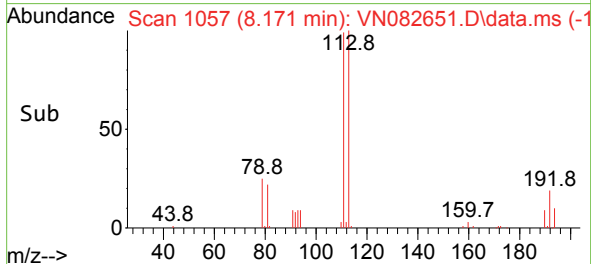


#35
Dibromofluoromethane
Concen: 52.951 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

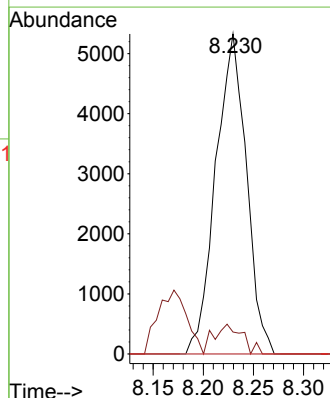
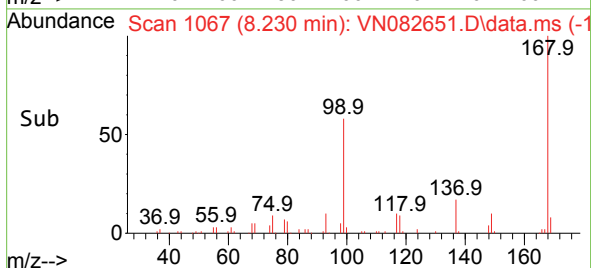
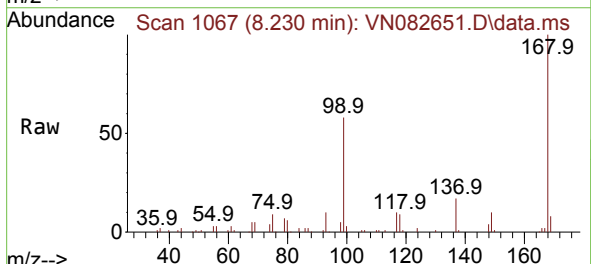


Tgt Ion:113 Resp: 86356
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 18.0 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.649 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Tgt Ion: 75 Resp: 11335
Ion Ratio Lower Upper
75 100
110 8.7 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.302 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

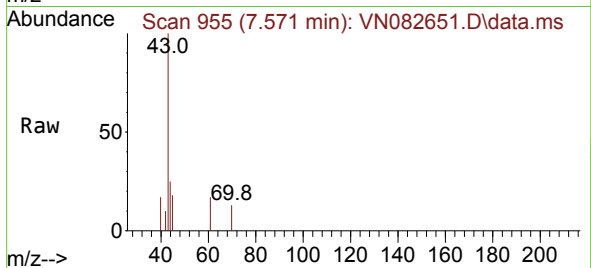
Lab File: VN082651.D

Acq: 19 Jun 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :



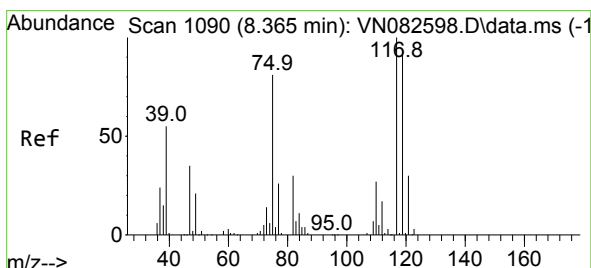
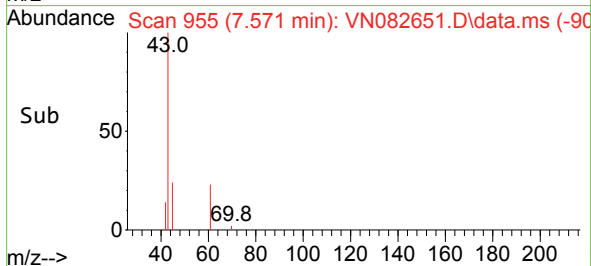
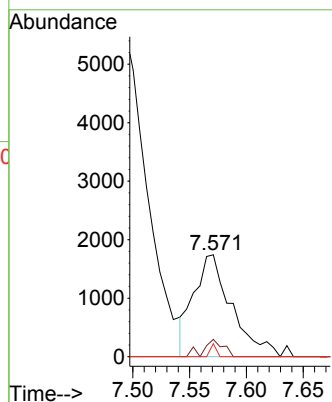
Tgt Ion: 43 Resp: 4044

Ion Ratio Lower Upper

43 100

61 8.8 9.3 13.9#

70 2.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.667 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082651.D

Acq: 19 Jun 2024 19:18

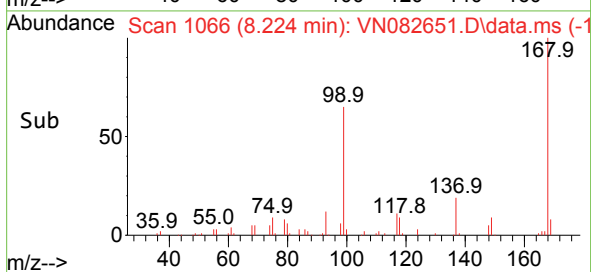
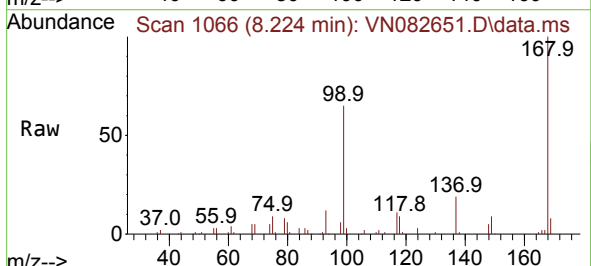
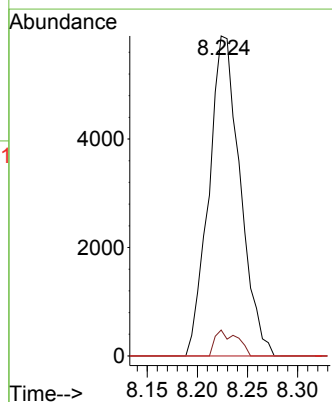
Tgt Ion: 117 Resp: 12822

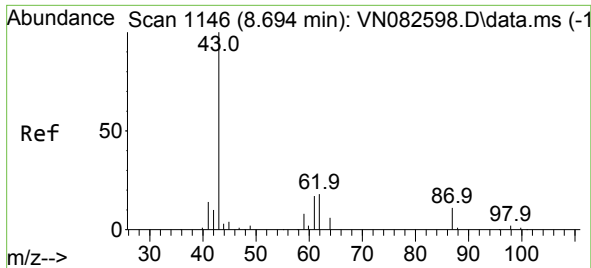
Ion Ratio Lower Upper

117 100

119 8.1 74.9 112.3#

121 0.0 24.3 36.5#

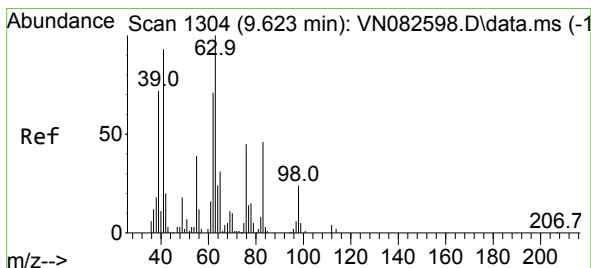
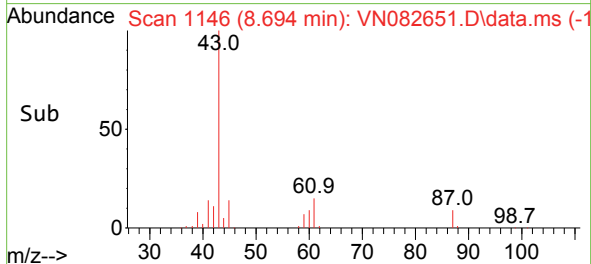
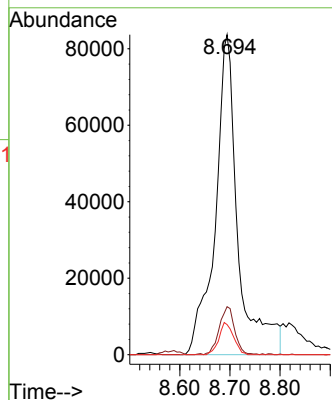
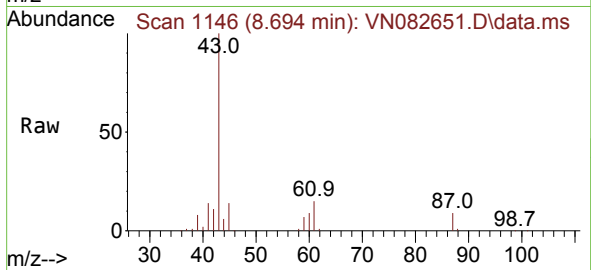




#43
Isopropyl Acetate
Concen: 45.282 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

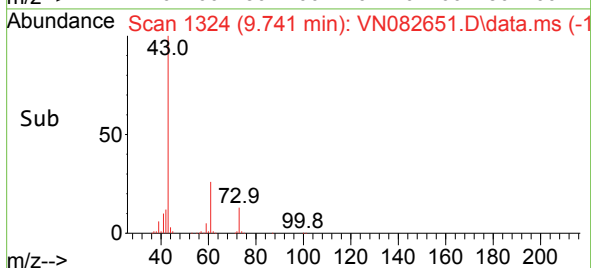
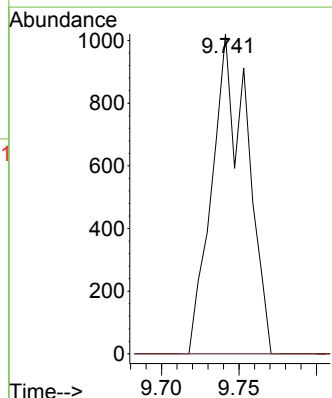
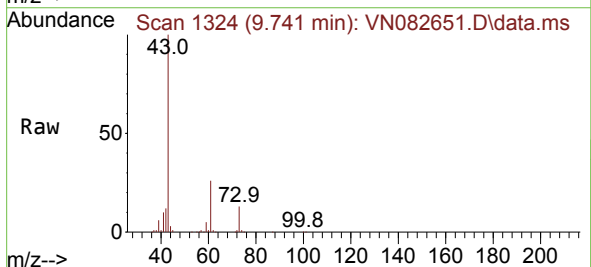
Instrument :
MSVOA_N
ClientSampleId :

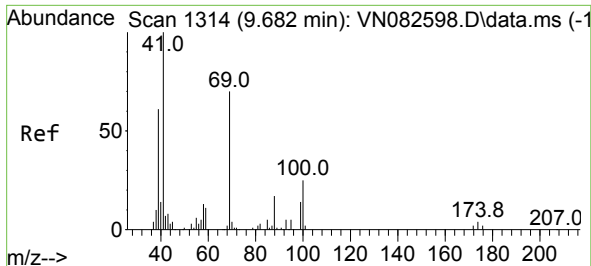
Tgt Ion: 43 Resp: 262802
Ion Ratio Lower Upper
43 100
61 10.3 17.8 26.6#
87 6.4 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.830 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Tgt Ion: 63 Resp: 1610
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

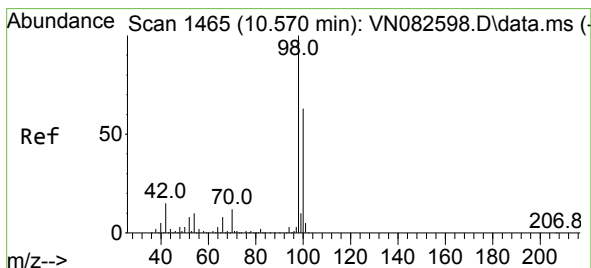
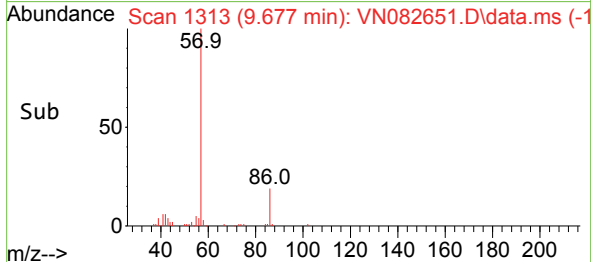
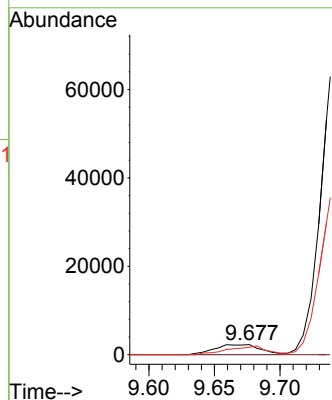
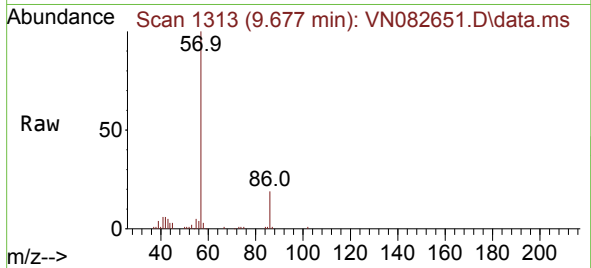




#48
Methyl methacrylate
Concen: 2.316 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

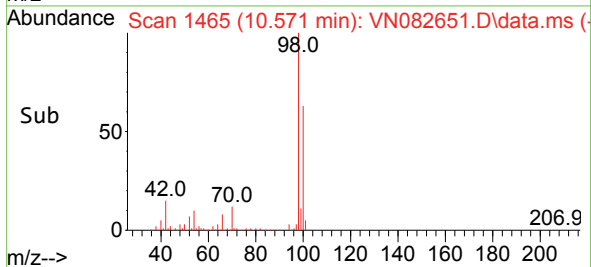
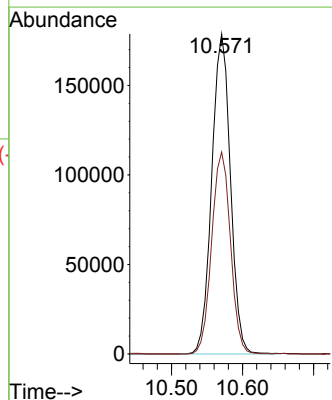
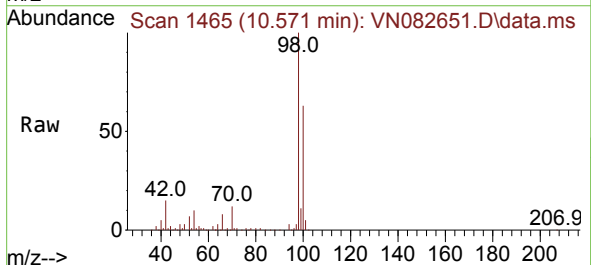
Instrument :
MSVOA_N
ClientSampleId :

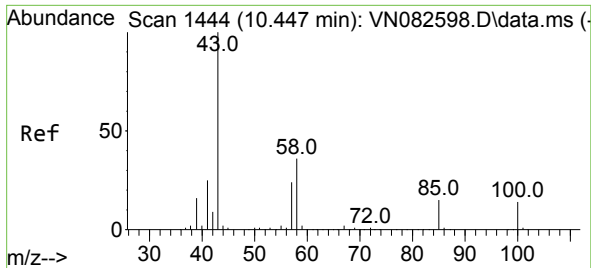
Tgt Ion: 41 Resp: 5542
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 73.2 50.3 75.5



#50
Toluene-d8
Concen: 52.868 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Tgt Ion: 98 Resp: 326055
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 1.761 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN082651.D

Acq: 19 Jun 2024 19:18

Instrument :

MSVOA_N

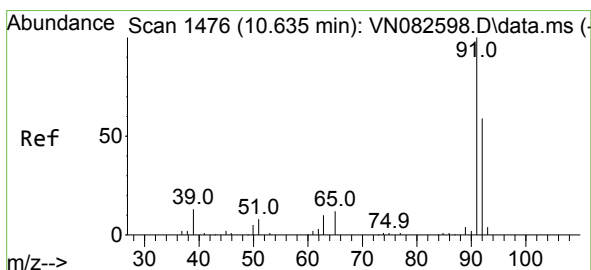
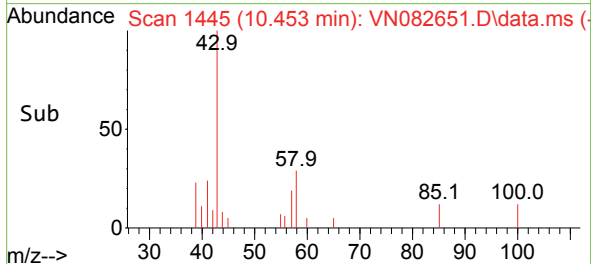
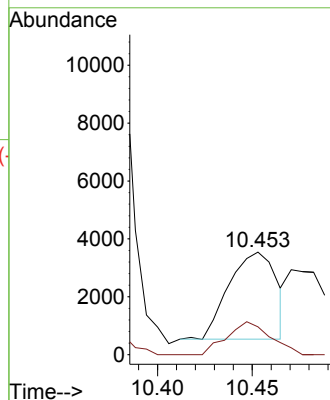
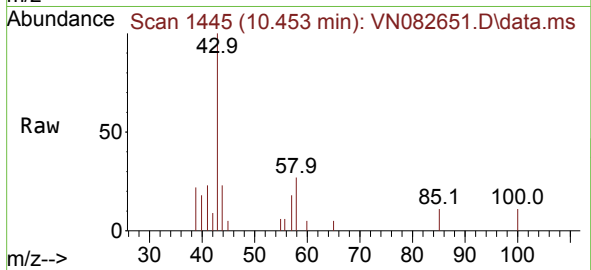
ClientSampleId :

Tgt Ion: 43 Resp: 5242

Ion Ratio Lower Upper

43 100

58 34.7 28.2 42.4



#52

Toluene

Concen: 0.228 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN082651.D

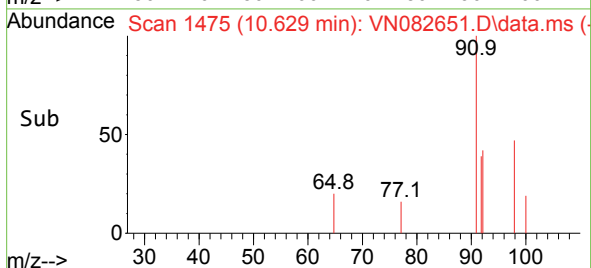
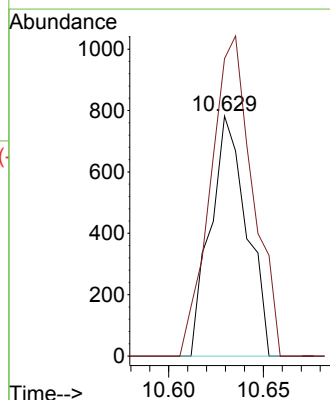
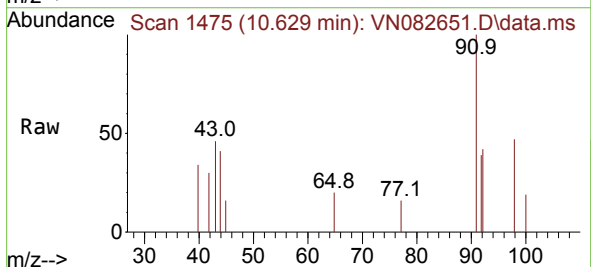
Acq: 19 Jun 2024 19:18

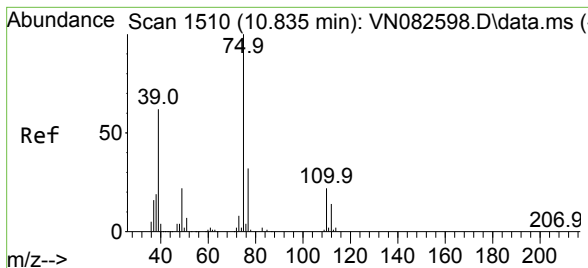
Tgt Ion: 92 Resp: 1039

Ion Ratio Lower Upper

92 100

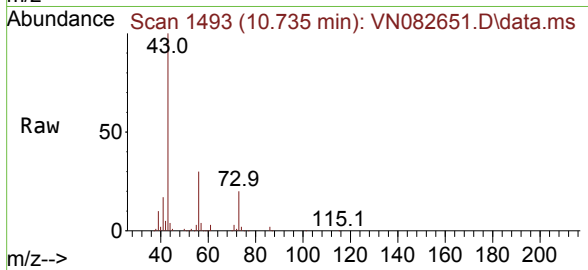
91 154.8 139.4 209.0



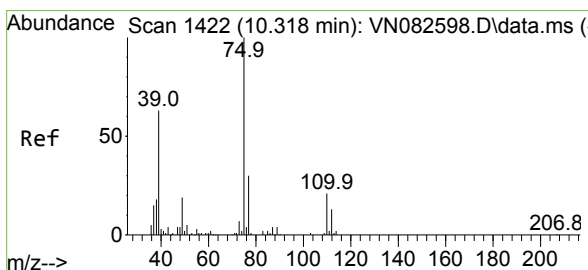
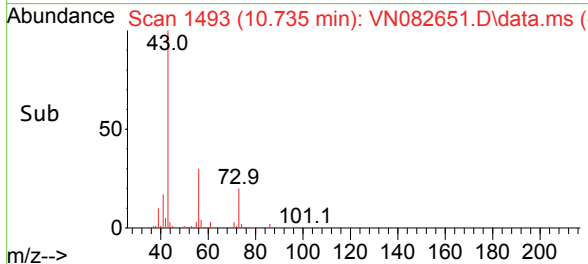
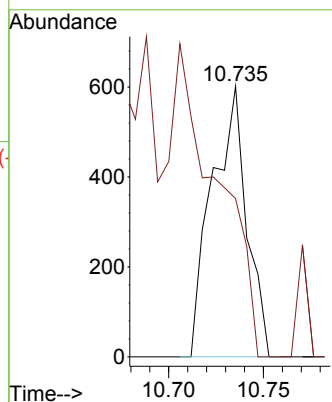


#53
 t-1,3-Dichloropropene
 Concen: 0.267 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.100 min
 Lab File: VN082651.D
 Acq: 19 Jun 2024 19:18

Instrument :
 MSVOA_N
 ClientSampleId :

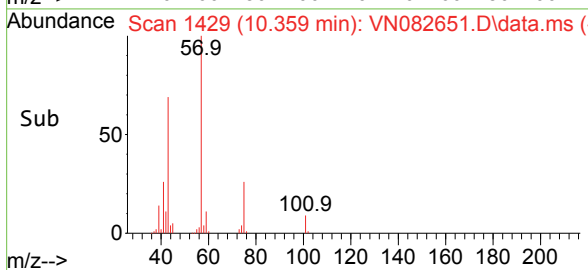
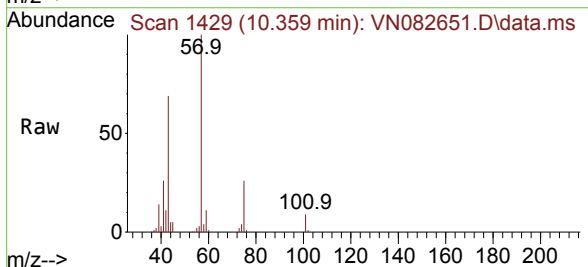
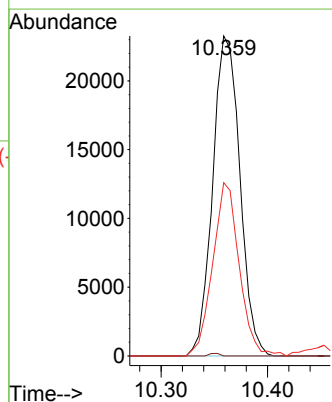


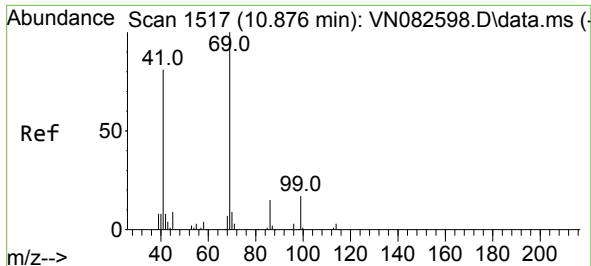
Tgt Ion: 75 Resp: 765
 Ion Ratio Lower Upper
 75 100
 77 58.5 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.938 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082651.D
 Acq: 19 Jun 2024 19:18

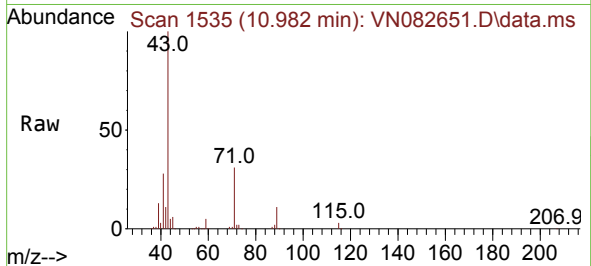
Tgt Ion: 75 Resp: 41289
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 54.1 50.5 75.7



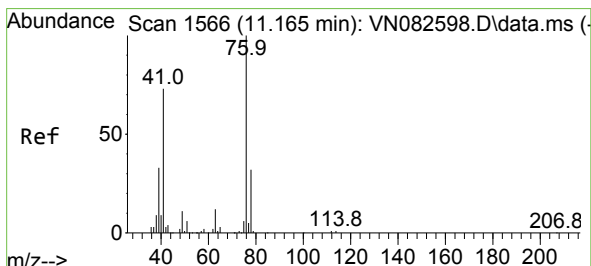
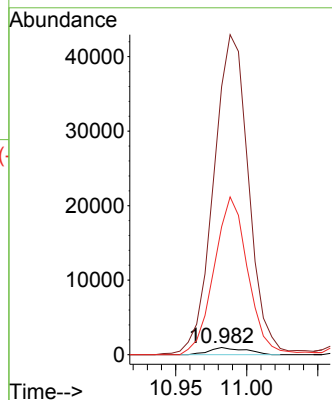
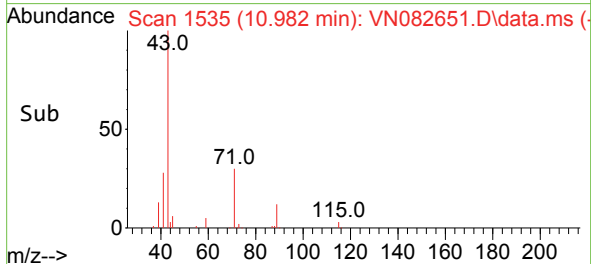


#56
Ethyl methacrylate
Concen: 0.622 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

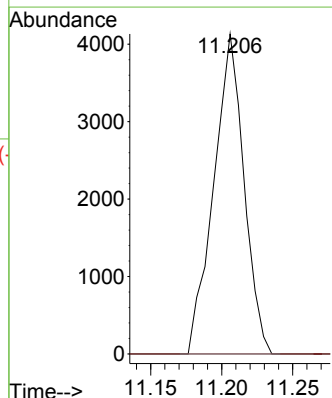
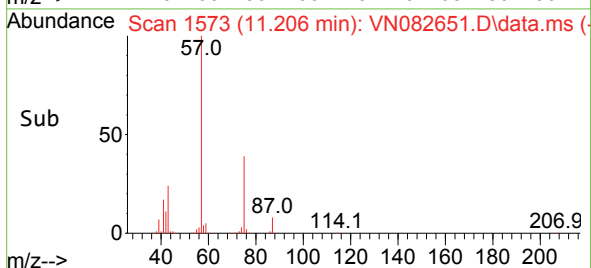
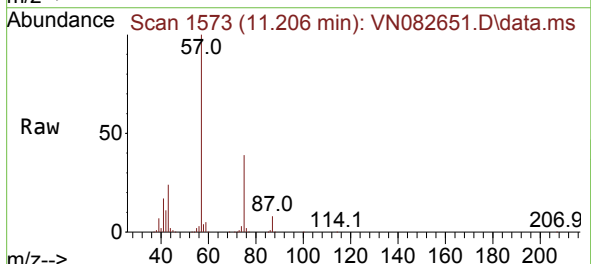


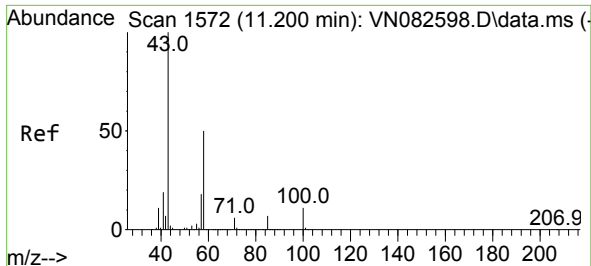
Tgt Ion: 69 Resp: 1701
Ion Ratio Lower Upper
69 100
41 4351.9 63.4 95.2#
39 2073.6 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.004 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Tgt Ion: 76 Resp: 6120
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

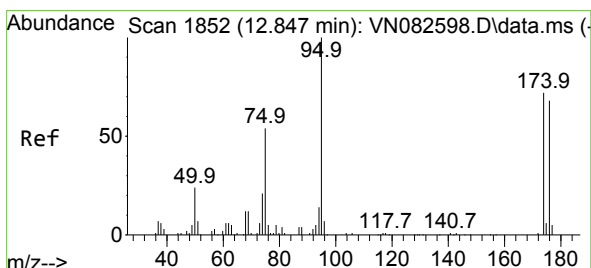
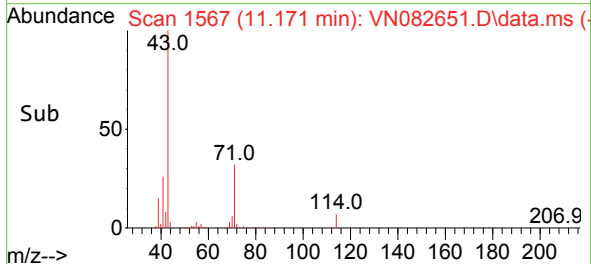
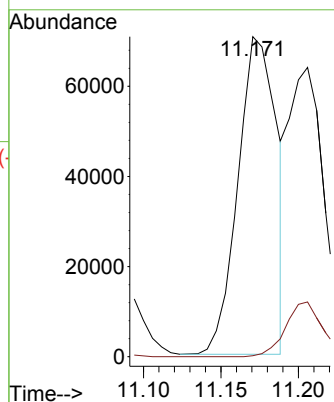
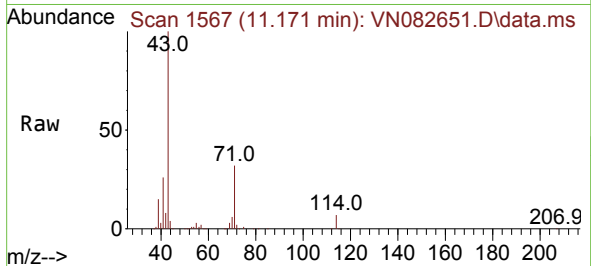




#59
2-Hexanone
Concen: 54.074 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

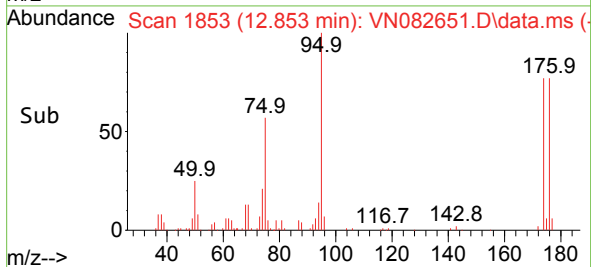
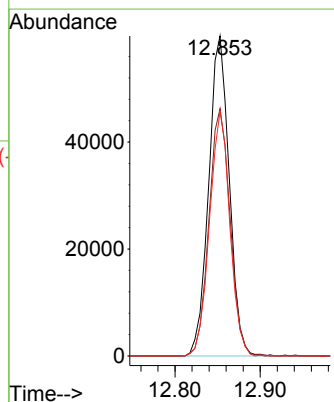
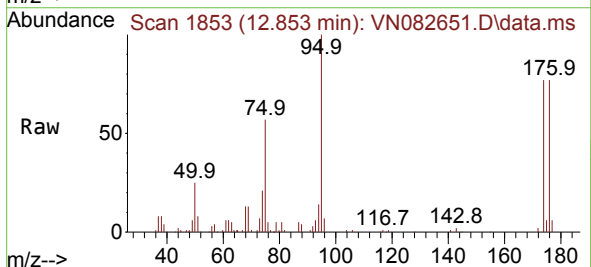
Instrument :
MSVOA_N
ClientSampleId :

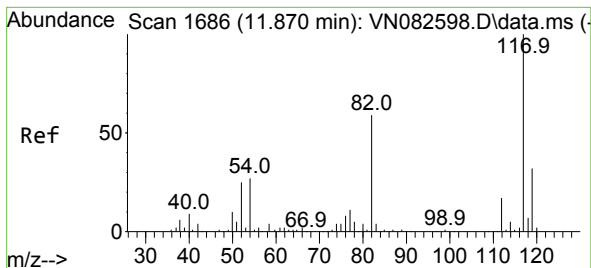
Tgt Ion: 43 Resp: 122342
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 47.045 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Tgt Ion: 95 Resp: 100030
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.2
176 75.5 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082651.D

Acq: 19 Jun 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

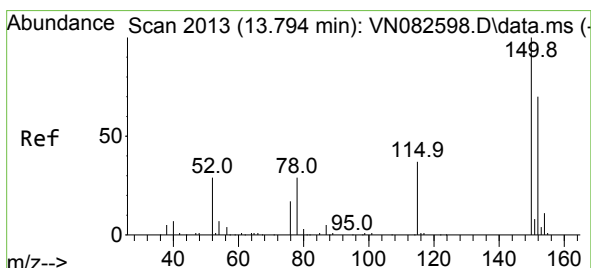
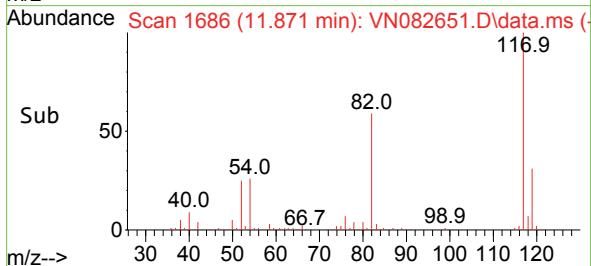
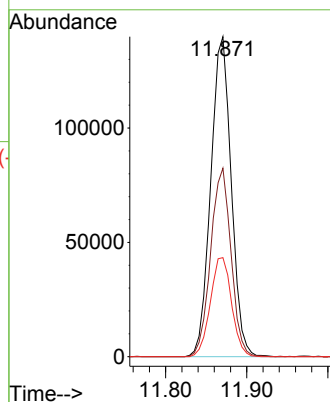
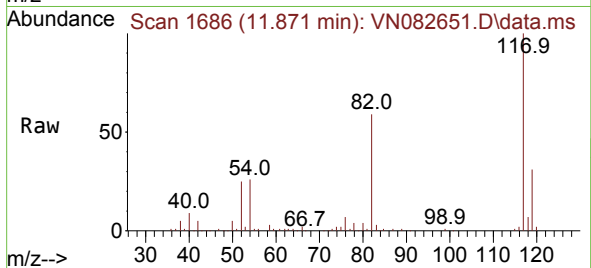
Tgt Ion:117 Resp: 245292

Ion Ratio Lower Upper

117 100

82 58.9 47.5 71.3

119 31.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082651.D

Acq: 19 Jun 2024 19:18

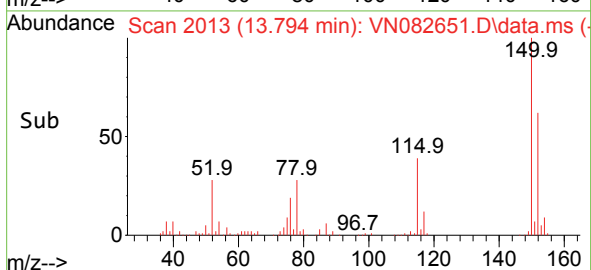
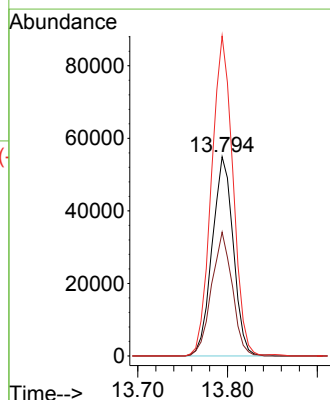
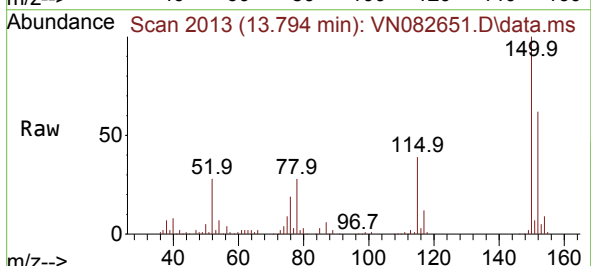
Tgt Ion:152 Resp: 89764

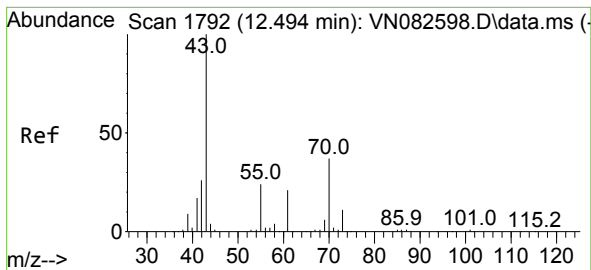
Ion Ratio Lower Upper

152 100

115 60.8 30.6 91.6

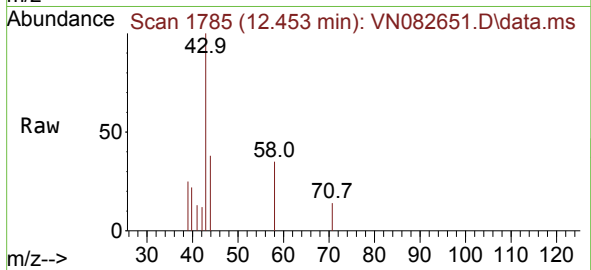
150 162.9 0.0 348.6



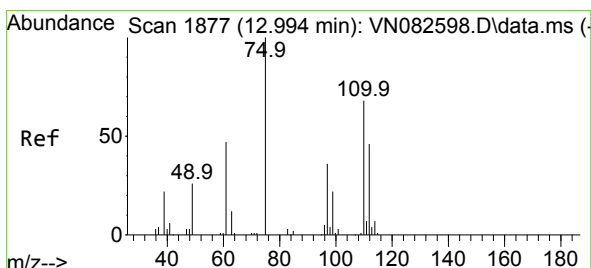
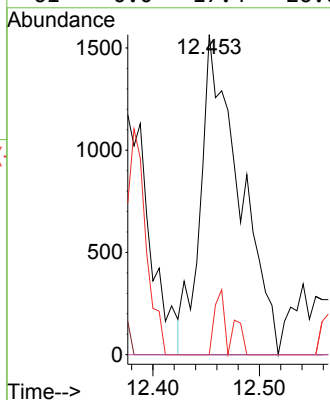
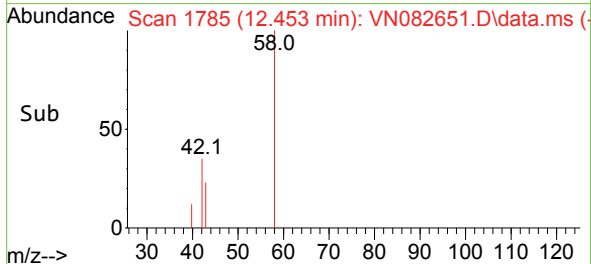


#74
N-amy1 acetate
Concen: 1.099 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.041 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

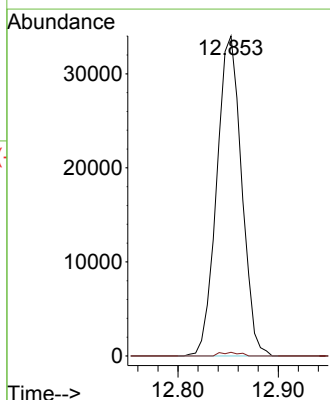
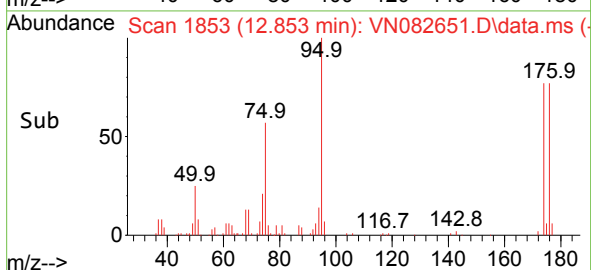
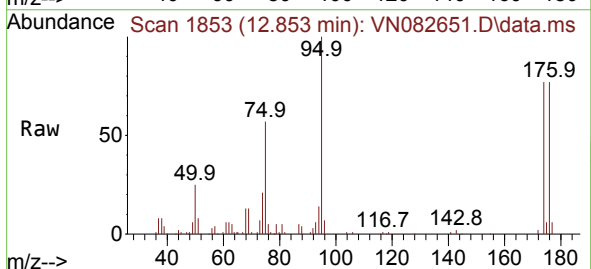


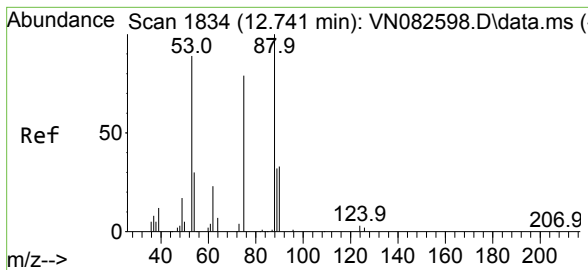
Tgt Ion: 43	Resp: 3998
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	7.8 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 26.649 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082651.D
Acq: 19 Jun 2024 19:18

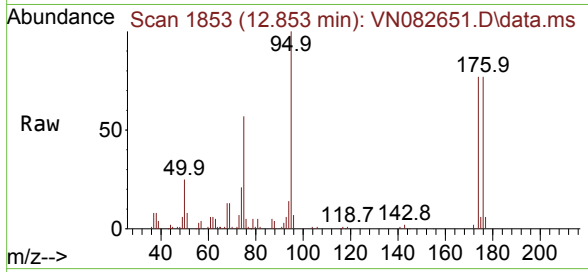
Tgt Ion: 75	Resp: 58507
Ion Ratio	Lower Upper
75	100
77	0.9 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.755 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082651.D
 Acq: 19 Jun 2024 19:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	88.4	132.6#
89	0.0	36.3	54.5#

