

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082649.D
 Acq On : 19 Jun 2024 18:28
 Operator : JC\MD
 Sample : P2955-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

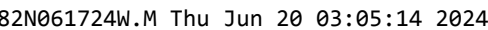
Quant Time: Jun 20 03:05:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

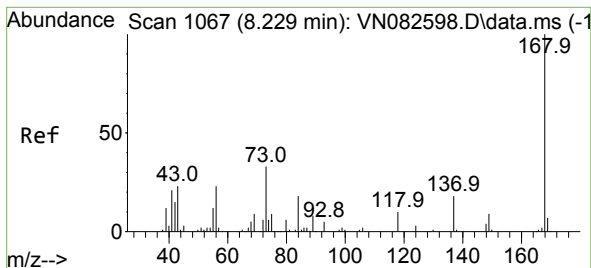
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	129962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	252583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	263605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	120667	57.898	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.800%			
35) Dibromofluoromethane	8.171	113	88964	51.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.840%			
50) Toluene-d8	10.571	98	343080	52.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.900%			
62) 4-Bromofluorobenzene	12.853	95	108242	48.452	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.900%			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	35157	37.092	ug/l	100
18) Methyl Acetate	5.042	43	2938	1.267	ug/l #	73
20) Methylene Chloride	5.277	84	6369	3.822	ug/l #	83
25) 2-Butanone	7.500	43	5077	3.768	ug/l	92
29) Tetrahydrofuran	7.841	42	429	0.520	ug/l #	38
31) Cyclohexane	8.224	56	3665	1.219	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	12298	4.801	ug/l #	51
37) Ethyl Acetate	7.577	43	3946	1.209	ug/l #	77
38) Carbon Tetrachloride	8.230	117	13722	4.754	ug/l #	19
40) Benzene	8.606	78	3886	0.491	ug/l #	79
43) Isopropyl Acetate	8.694	43	206810	33.916	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1530	0.751	ug/l #	44
48) Methyl methacrylate	9.671	41	4253	1.692	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	12091	3.866	ug/l #	70
53) t-1,3-Dichloropropene	10.724	75	821	0.273	ug/l #	74
54) cis-1,3-Dichloropropene	10.365	75	39787	12.783	ug/l #	66
56) Ethyl methacrylate	10.988	69	2146	0.746	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4568	1.423	ug/l #	43
59) 2-Hexanone	11.171	43	121652	51.176	ug/l #	28
71) Bromoform	12.853	173	1133	0.665	ug/l #	1
74) N-amyl acetate	12.482	43	1378	0.327	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	64250	25.248	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64250	60.403	ug/l #	6

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

Quant Time: Jun 20 03:05:04 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

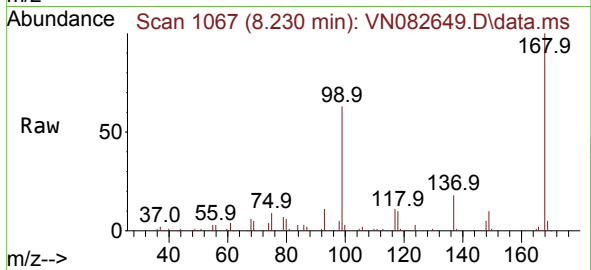
Lab File: VN082649.D

Acq: 19 Jun 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

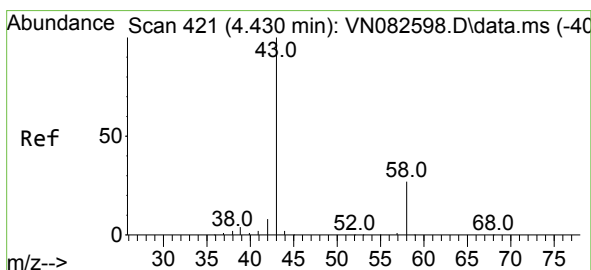
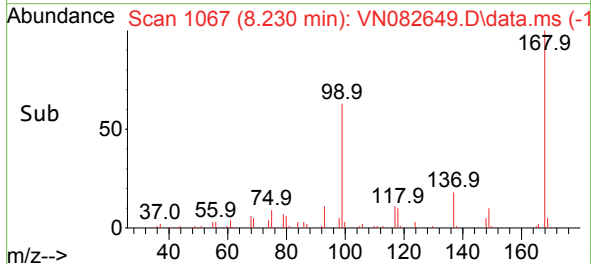
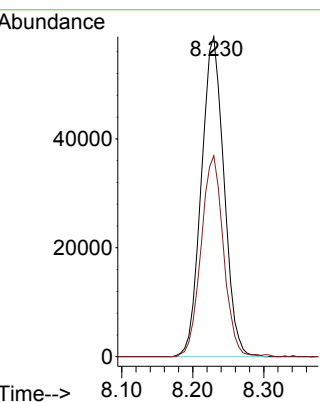


Tgt Ion:168 Resp: 129962

Ion Ratio Lower Upper

168 100

99 62.8 48.2 72.4



#16

Acetone

Concen: 37.092 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.000 min

Lab File: VN082649.D

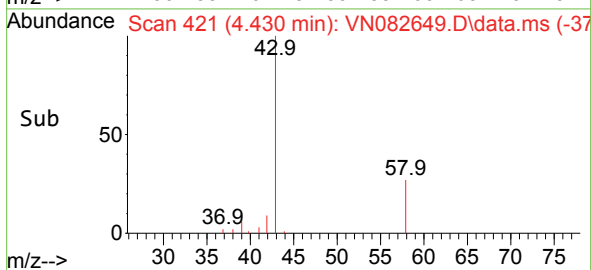
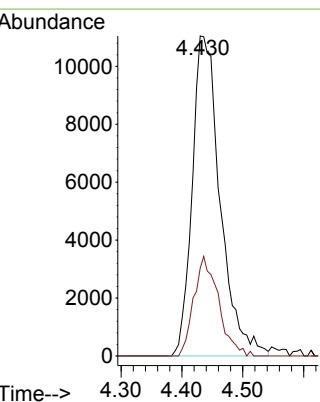
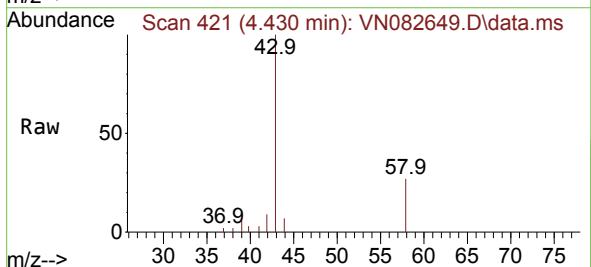
Acq: 19 Jun 2024 18:28

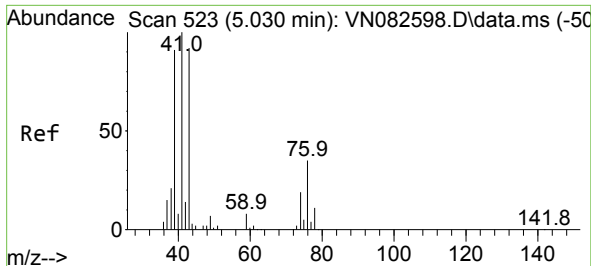
Tgt Ion: 43 Resp: 35157

Ion Ratio Lower Upper

43 100

58 27.4 21.8 32.6

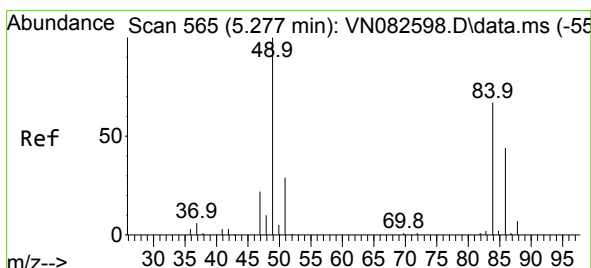
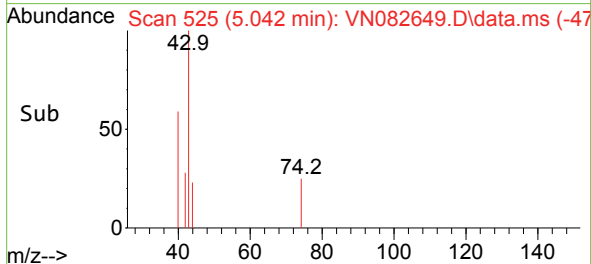
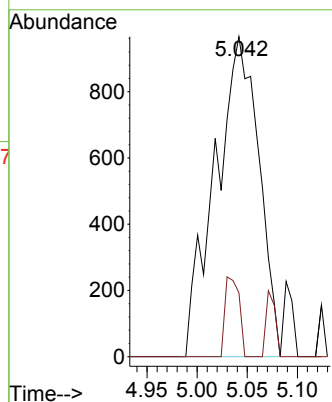
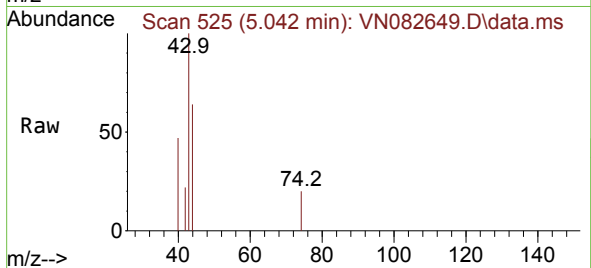




#18
Methyl Acetate
Concen: 1.267 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

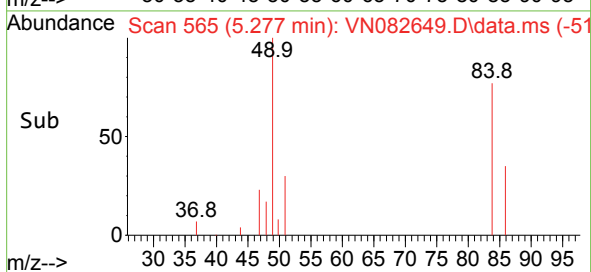
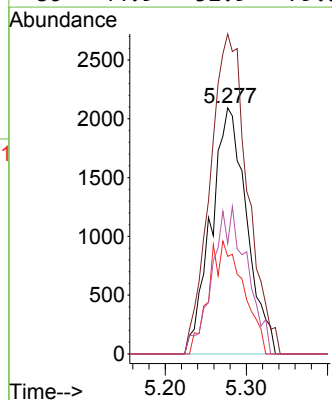
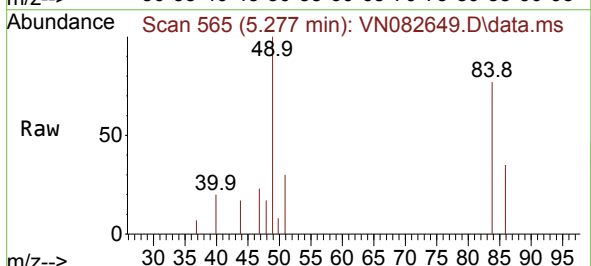
Instrument :
MSVOA_N
ClientSampleId :

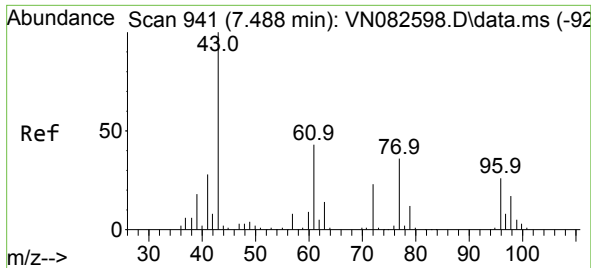
Tgt Ion: 43 Resp: 2938
Ion Ratio Lower Upper
43 100
74 8.0 16.3 24.5#



#20
Methylene Chloride
Concen: 3.822 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Tgt Ion: 84 Resp: 6369
Ion Ratio Lower Upper
84 100
49 130.1 119.6 179.4
51 39.7 34.8 52.2
86 44.9 52.9 79.3#

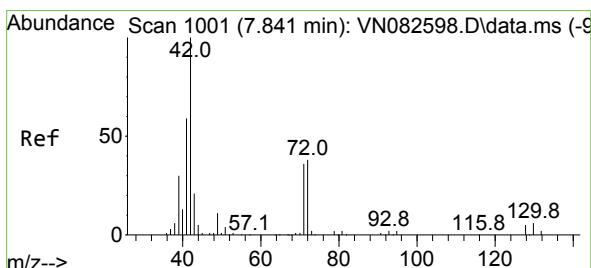
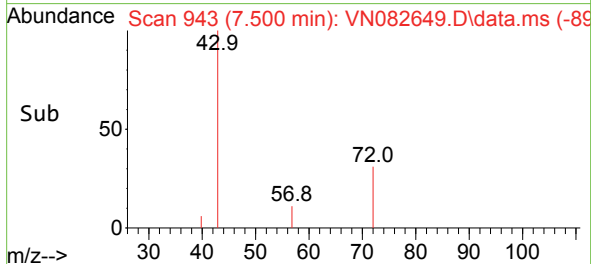
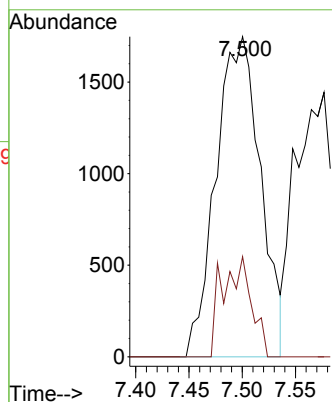
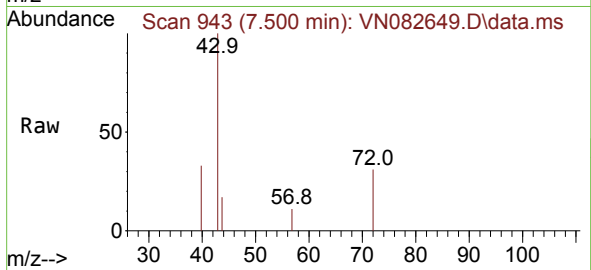




#25
2-Butanone
Concen: 3.768 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

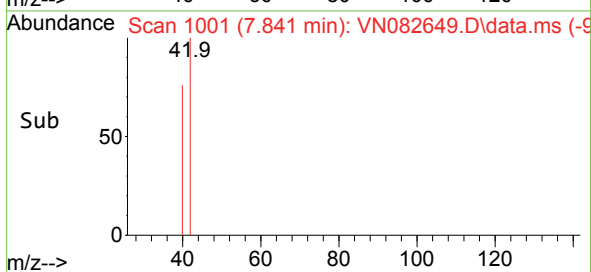
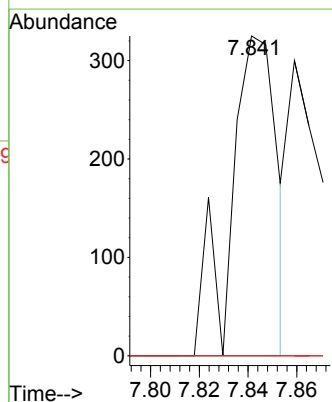
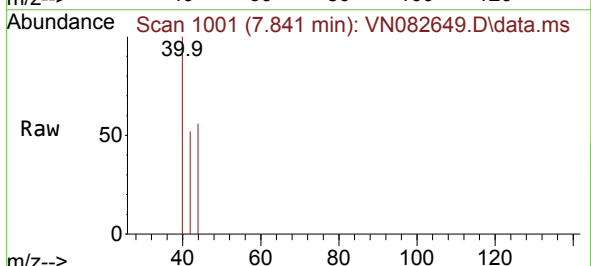
Instrument :
MSVOA_N
ClientSampleId :

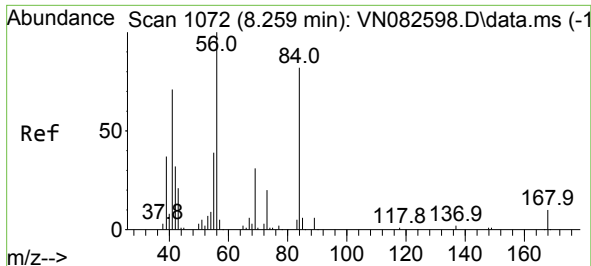
Tgt Ion: 43 Resp: 5077
Ion Ratio Lower Upper
43 100
72 26.6 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.520 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

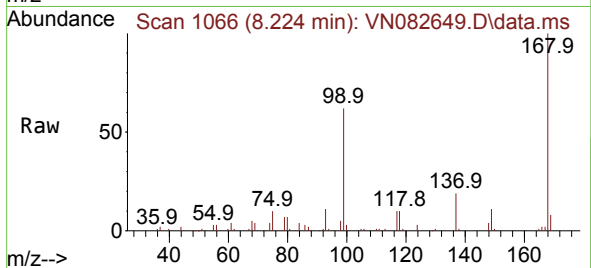
Tgt Ion: 42 Resp: 429
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



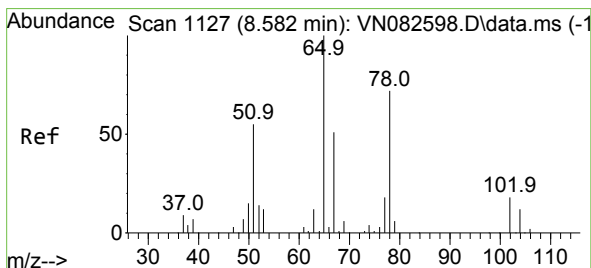
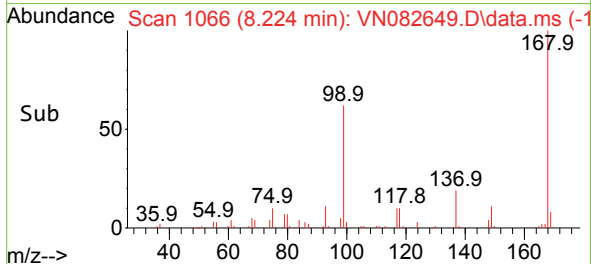
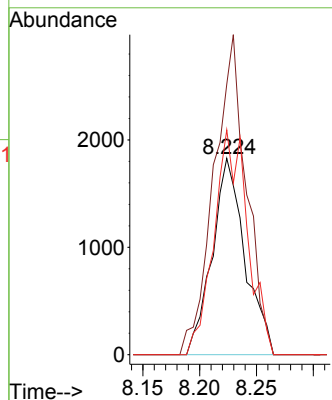


#31
Cyclohexane
Concen: 1.219 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :

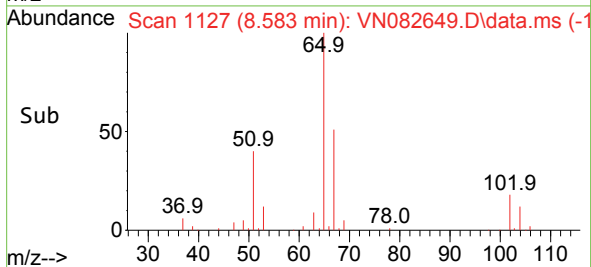
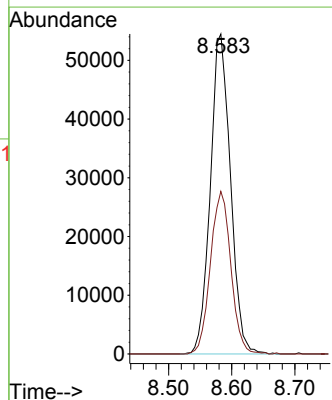
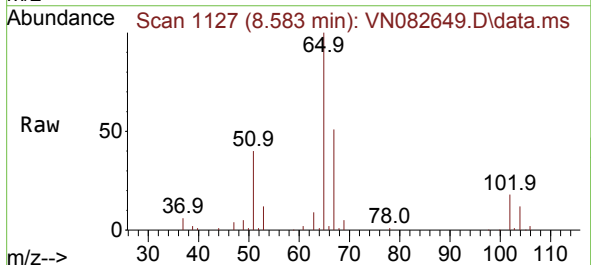


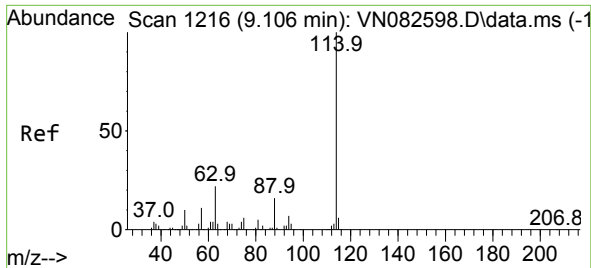
Tgt Ion: 56 Resp: 3665
Ion Ratio Lower Upper
56 100
69 137.7 24.5 36.7#
84 114.5 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 57.898 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

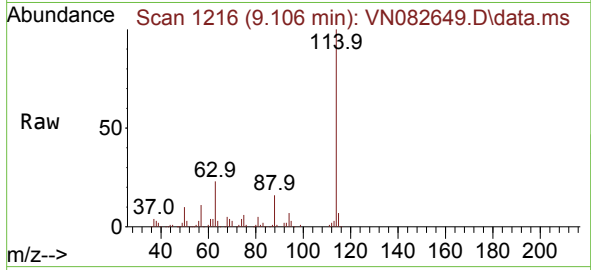
Tgt Ion: 65 Resp: 120667
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.4



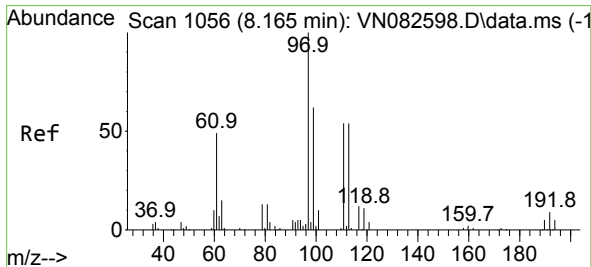
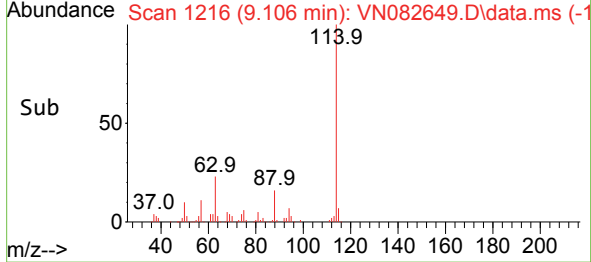
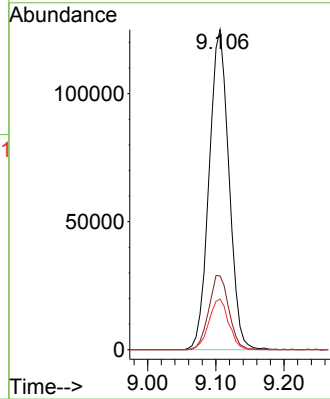


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :

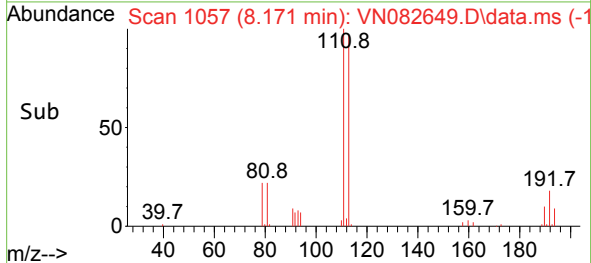
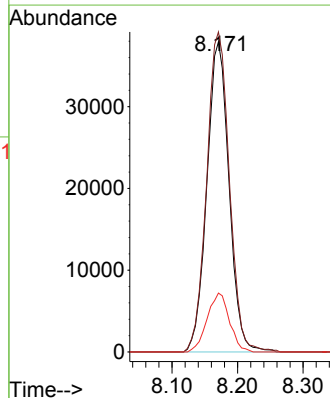
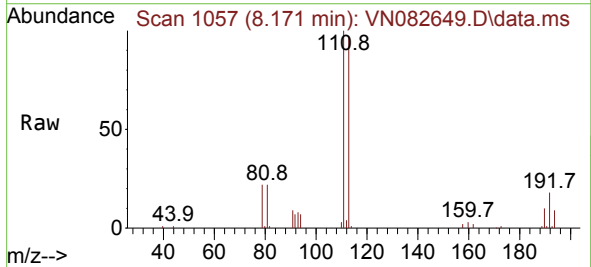


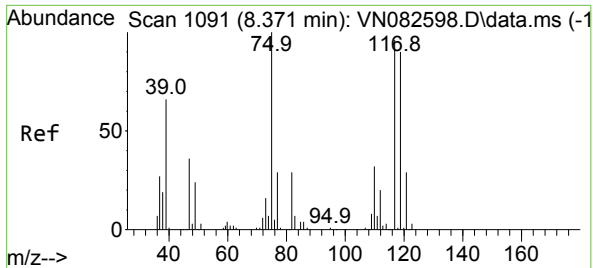
Tgt Ion:114 Resp: 252583
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.6
88 15.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.919 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

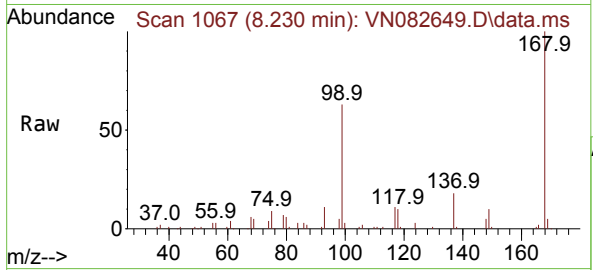
Tgt Ion:113 Resp: 88964
Ion Ratio Lower Upper
113 100
111 106.0 82.4 123.6
192 19.1 14.9 22.3



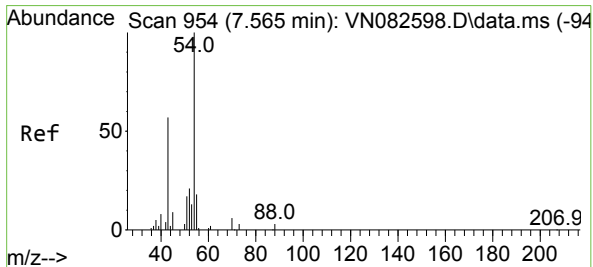
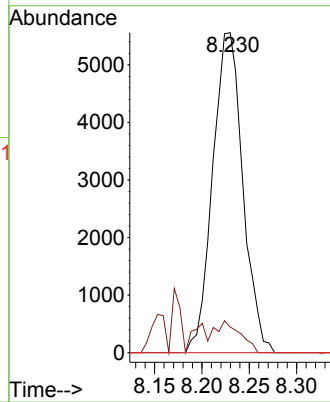
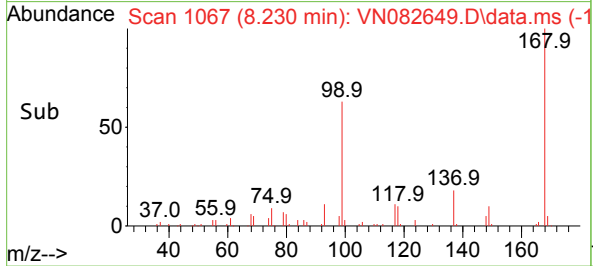


#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :

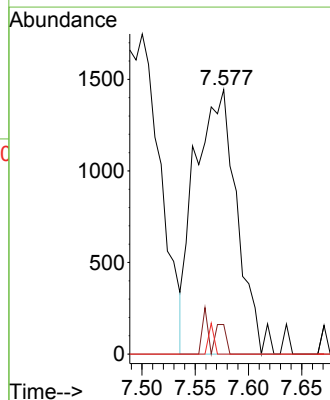
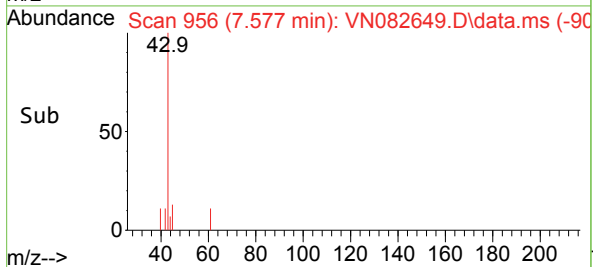
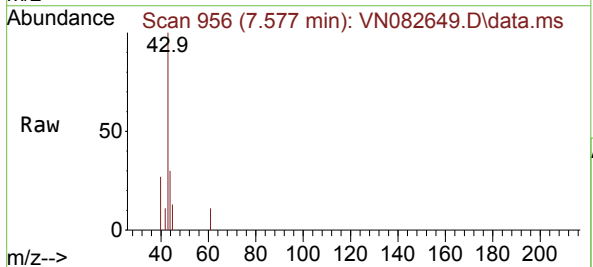


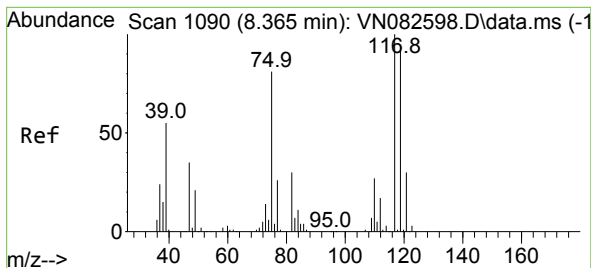
Tgt Ion: 75 Resp: 12298
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.209 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Tgt Ion: 43 Resp: 3946
Ion Ratio Lower Upper
43 100
61 2.3 9.3 13.9#
70 1.5 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.754 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

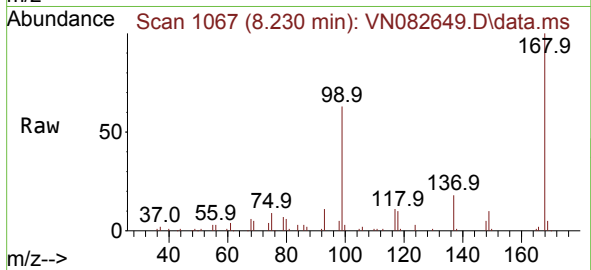
Lab File: VN082649.D

Acq: 19 Jun 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :



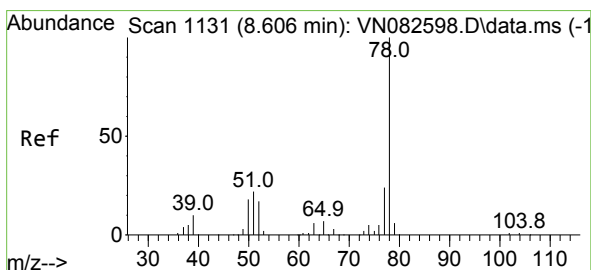
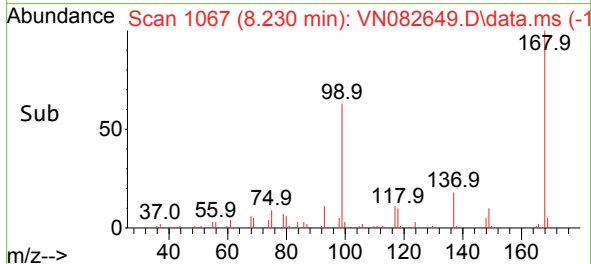
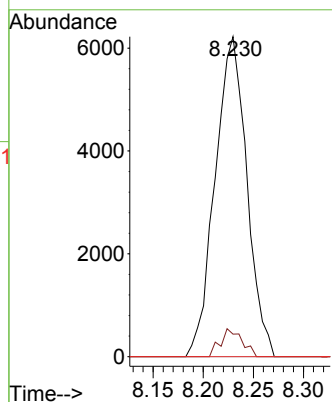
Tgt Ion:117 Resp: 13722

Ion Ratio Lower Upper

117 100

119 7.1 74.9 112.3#

121 0.0 24.3 36.5#



#40

Benzene

Concen: 0.491 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN082649.D

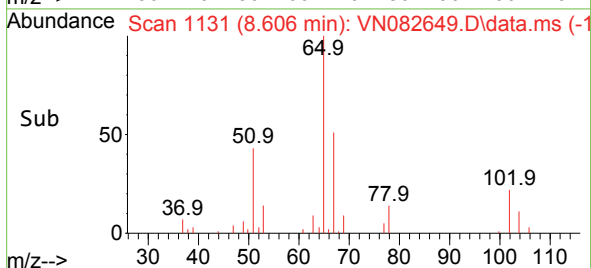
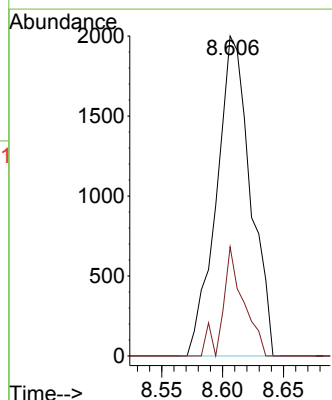
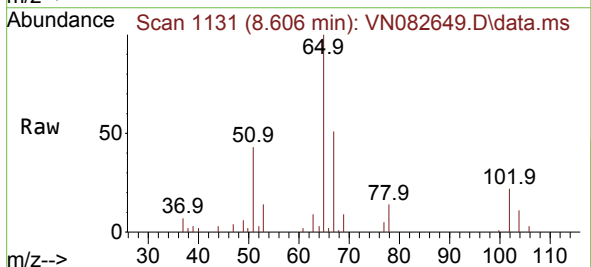
Acq: 19 Jun 2024 18:28

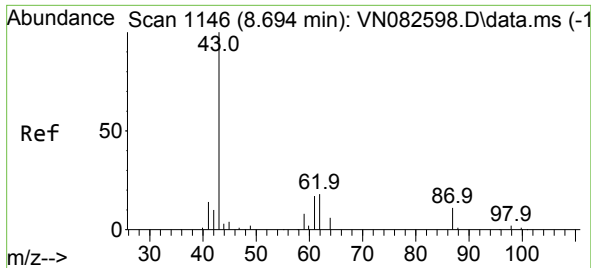
Tgt Ion: 78 Resp: 3886

Ion Ratio Lower Upper

78 100

77 34.1 19.0 28.4#

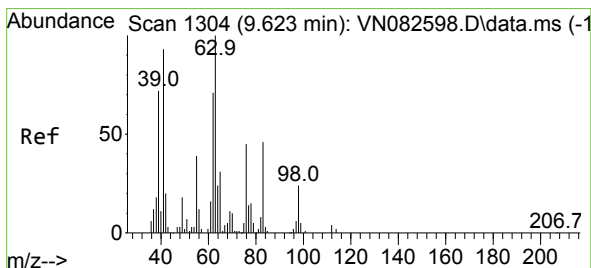
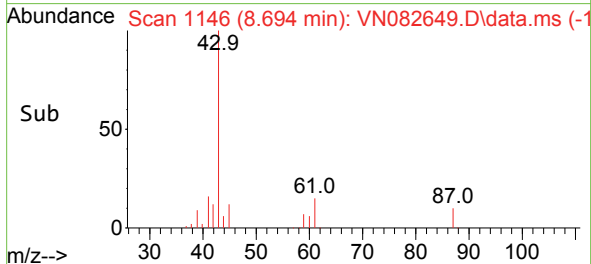
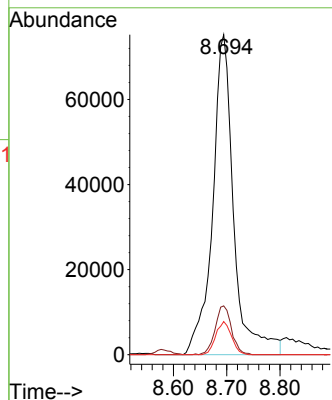
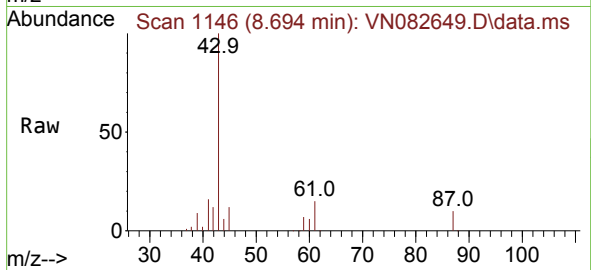




#43
Isopropyl Acetate
Concen: 33.916 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

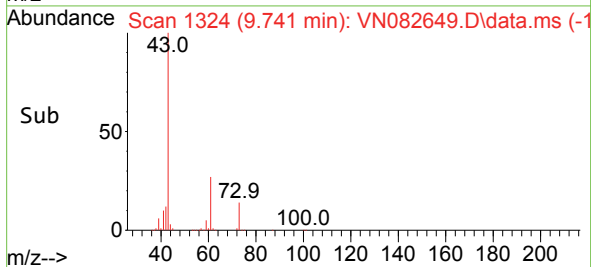
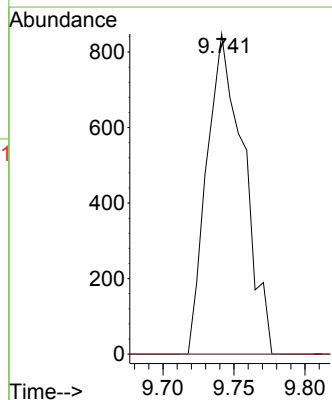
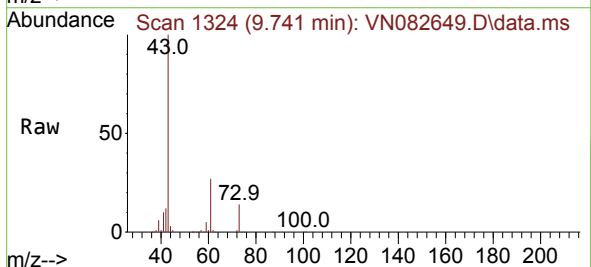
Instrument :
MSVOA_N
ClientSampleId :

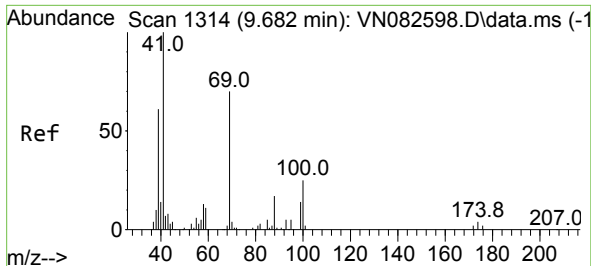
Tgt Ion: 43 Resp: 206810
Ion Ratio Lower Upper
43 100
61 11.8 17.8 26.6#
87 7.7 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.751 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

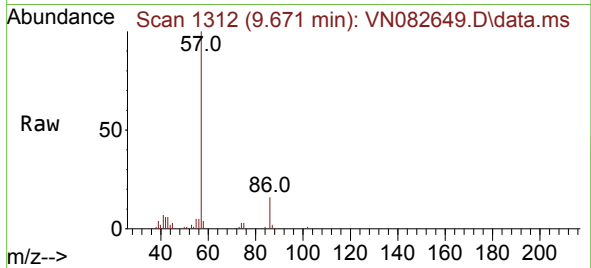
Tgt Ion: 63 Resp: 1530
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



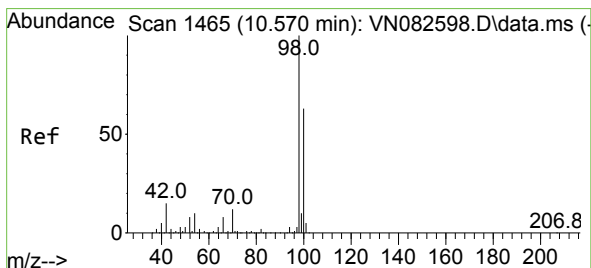
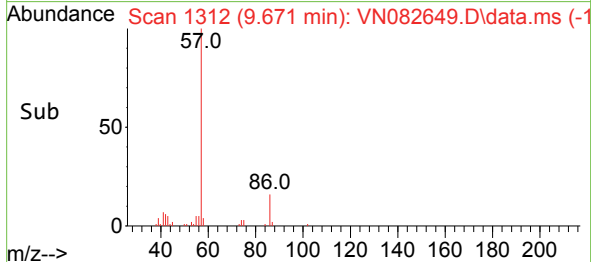
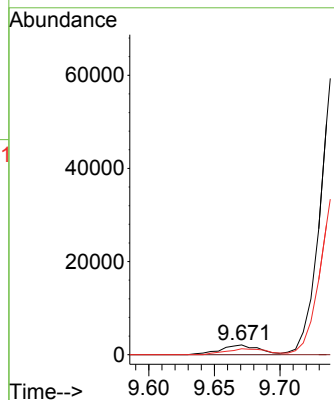


#48
Methyl methacrylate
Concen: 1.692 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :

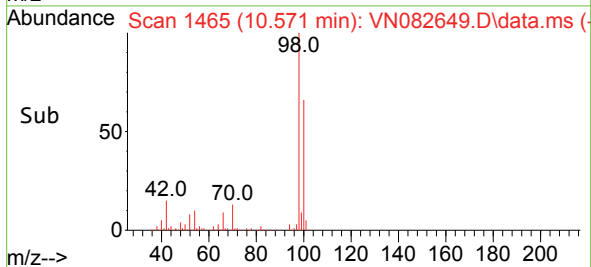
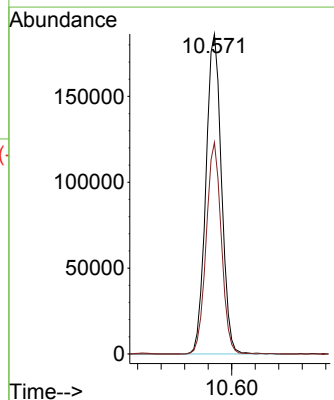
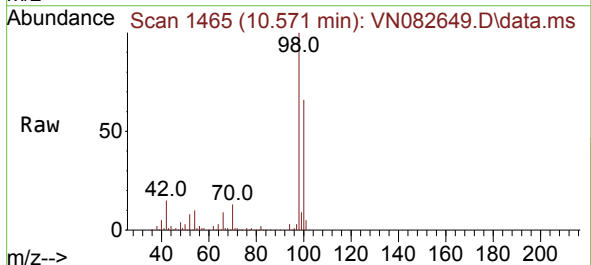


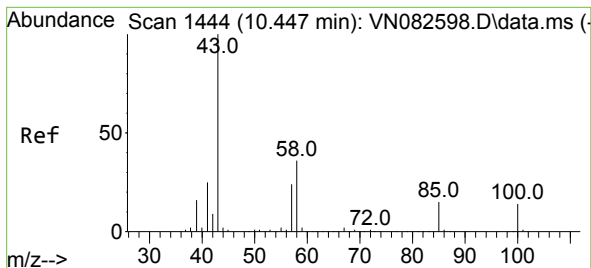
Tgt Ion: 41 Resp: 4253
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 66.7 50.3 75.5



#50
Toluene-d8
Concen: 52.946 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Tgt Ion: 98 Resp: 343080
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

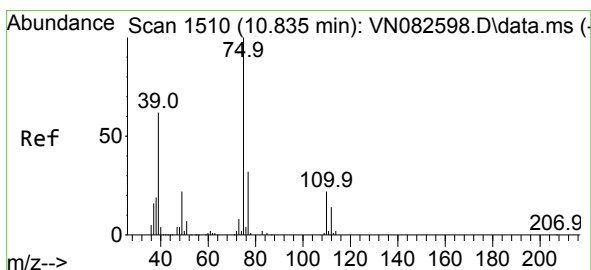
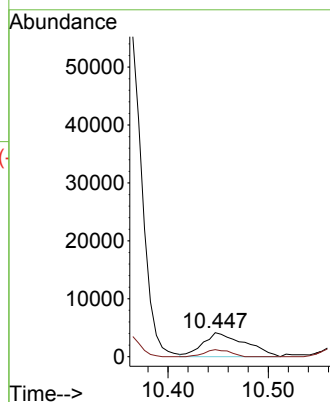
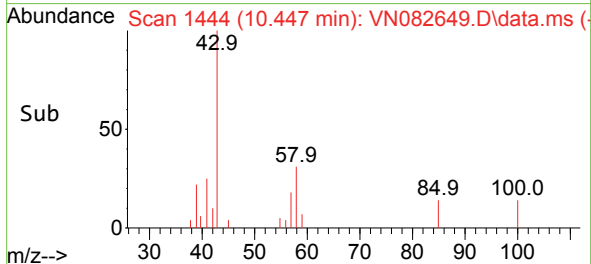
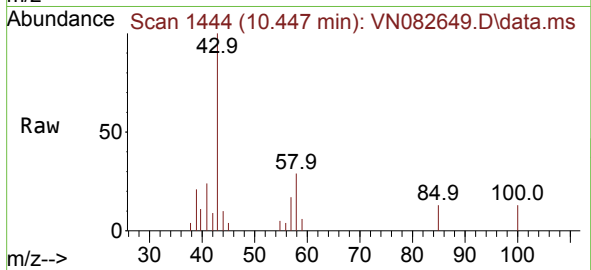




#51
4-Methyl-2-Pentanone
Concen: 3.866 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

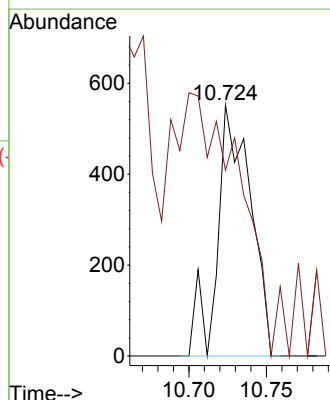
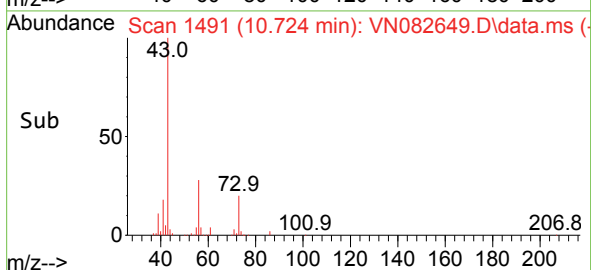
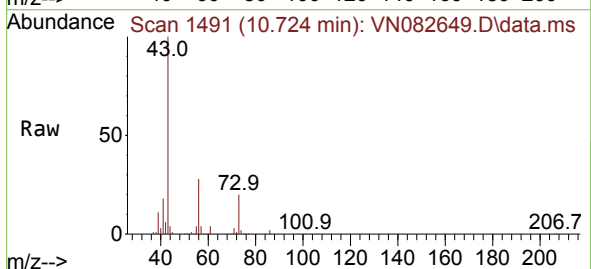
Instrument :
MSVOA_N
ClientSampleId :

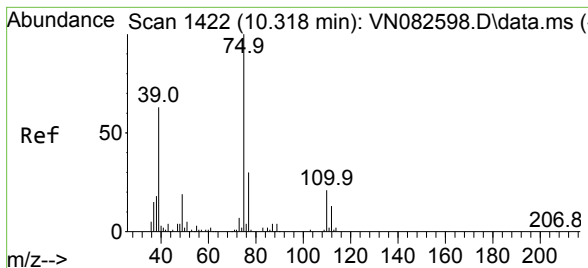
Tgt Ion: 43 Resp: 12091
Ion Ratio Lower Upper
43 100
58 17.9 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Tgt Ion: 75 Resp: 821
Ion Ratio Lower Upper
75 100
77 46.6 25.7 38.5#

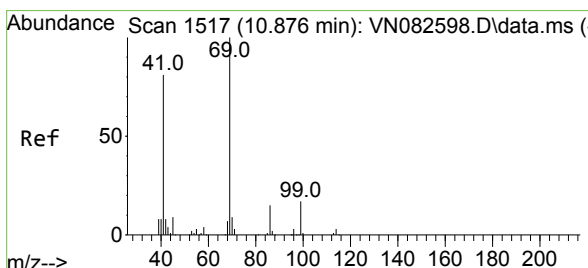
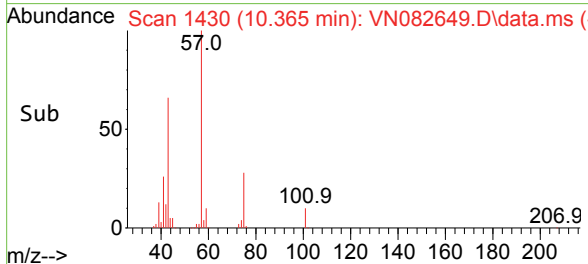
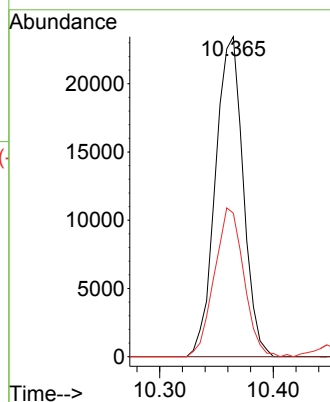
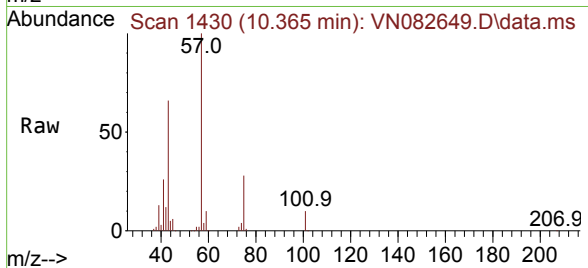




#54
 cis-1,3-Dichloropropene
 Concen: 12.783 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN082649.D
 Acq: 19 Jun 2024 18:28

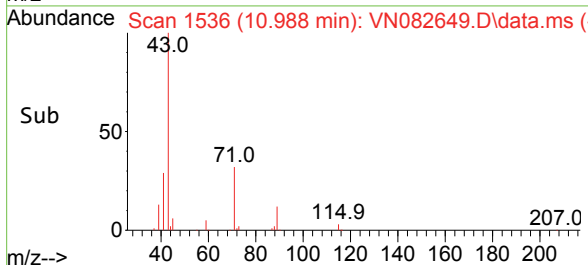
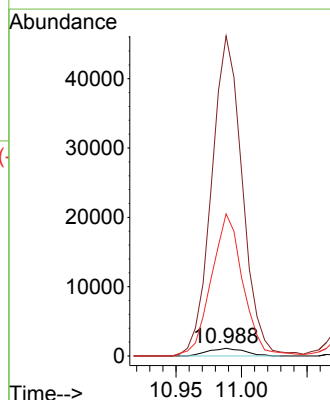
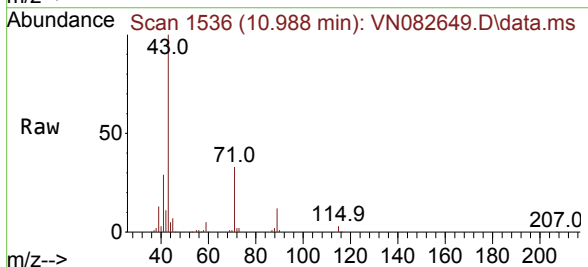
Instrument :
 MSVOA_N
 ClientSampleId :

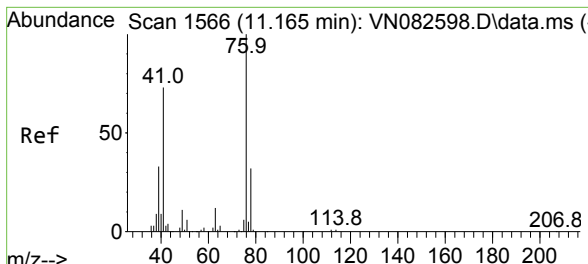
Tgt Ion: 75 Resp: 39787
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 44.8 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.746 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082649.D
 Acq: 19 Jun 2024 18:28

Tgt Ion: 69 Resp: 2146
 Ion Ratio Lower Upper
 69 100
 41 3514.7 63.4 95.2#
 39 1607.2 37.4 56.0#

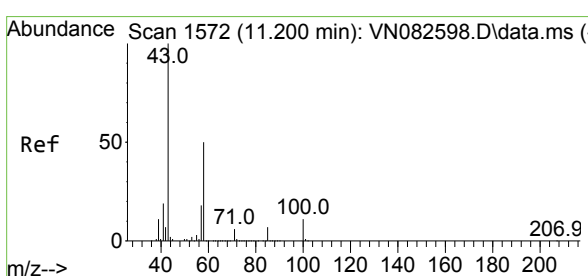
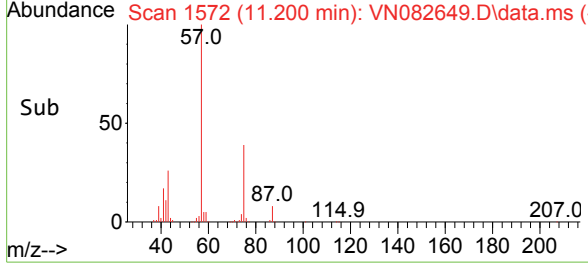
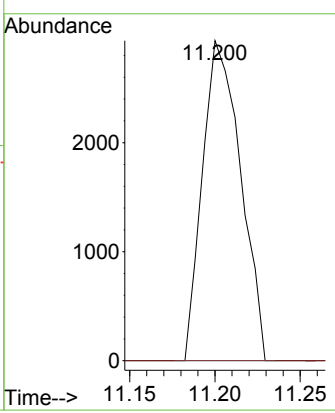
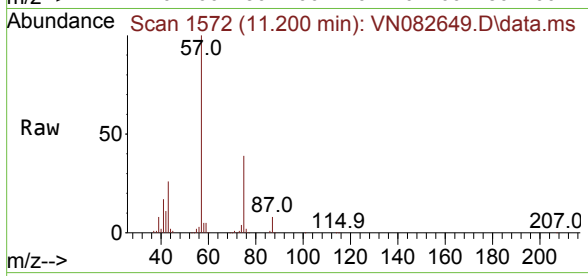




#57
 1,3-Dichloropropane
 Concen: 1.423 ug/l
 RT: 11.200 min Scan# 11
 Delta R.T. 0.035 min
 Lab File: VN082649.D
 Acq: 19 Jun 2024 18:28

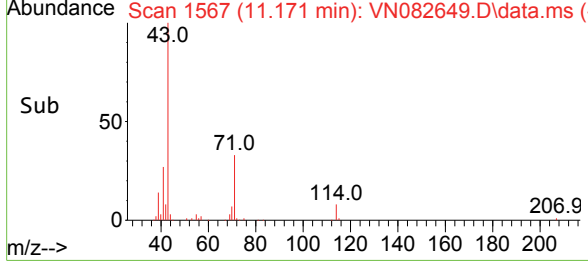
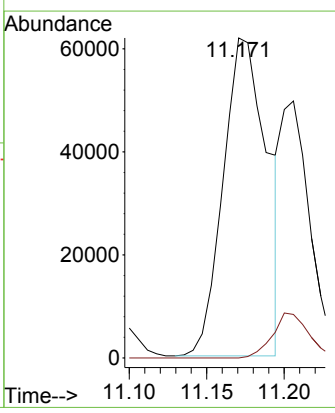
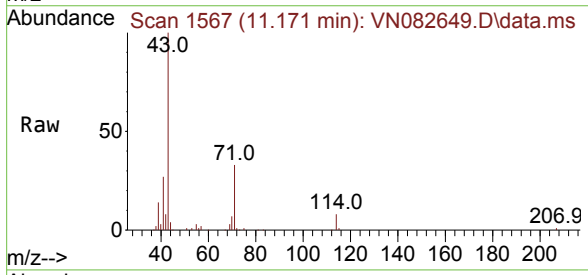
Instrument :
 MSVOA_N
 ClientSampleId :

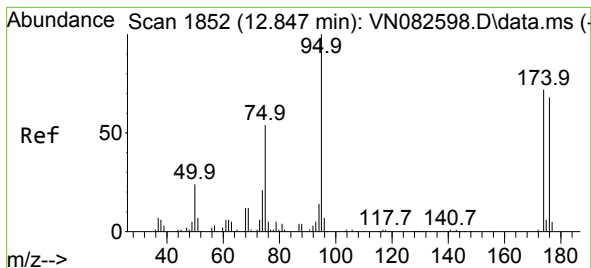
Tgt Ion: 76 Resp: 4568
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 51.176 ug/l
 RT: 11.171 min Scan# 1567
 Delta R.T. -0.029 min
 Lab File: VN082649.D
 Acq: 19 Jun 2024 18:28

Tgt Ion: 43 Resp: 121652
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 73.8#

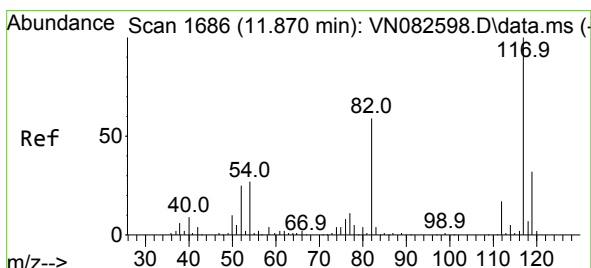
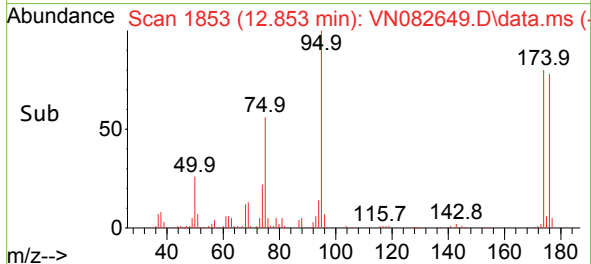
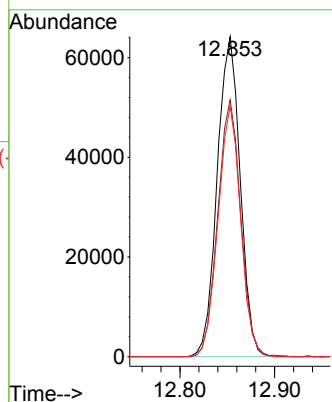
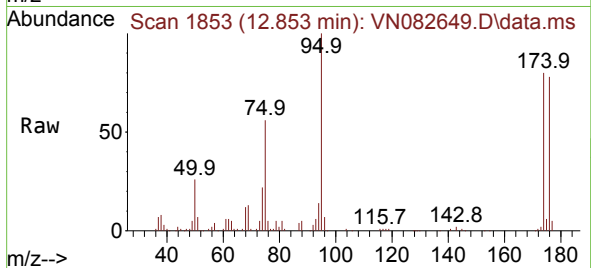




#62
4-Bromofluorobenzene
Concen: 48.452 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

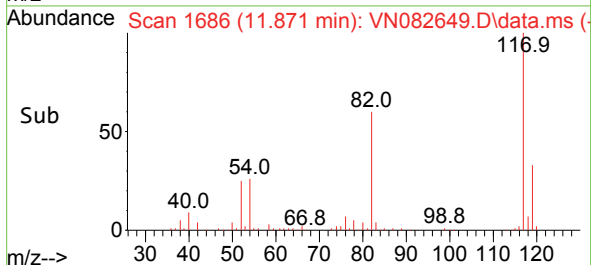
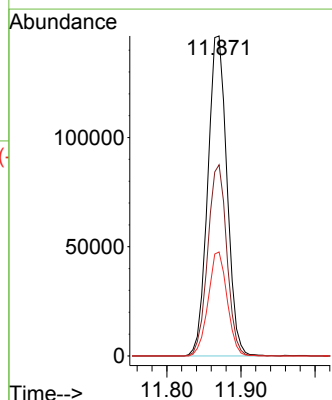
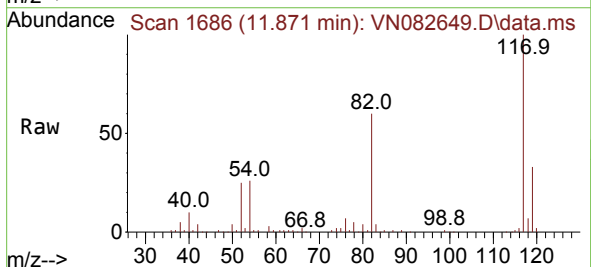
Instrument :
MSVOA_N
ClientSampleId :

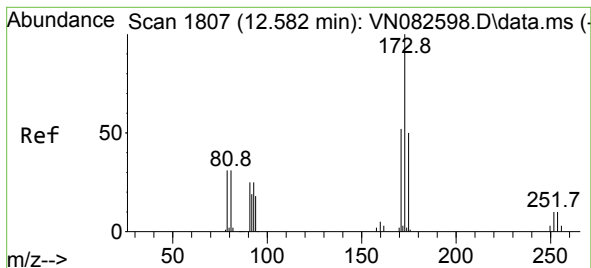
Tgt Ion: 95 Resp: 108242
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.2
176 76.7 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Tgt Ion: 117 Resp: 263605
Ion Ratio Lower Upper
117 100
82 59.8 47.5 71.3
119 32.5 25.6 38.4





#71

Bromoform

Concen: 0.665 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN082649.D

Acq: 19 Jun 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

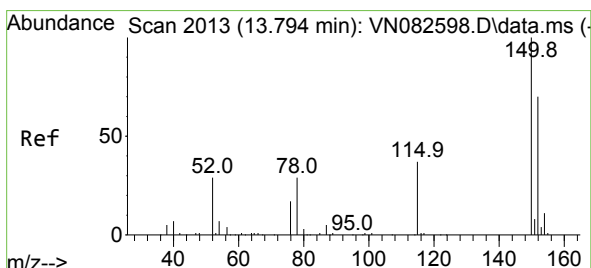
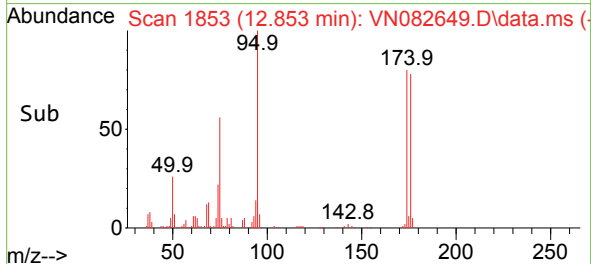
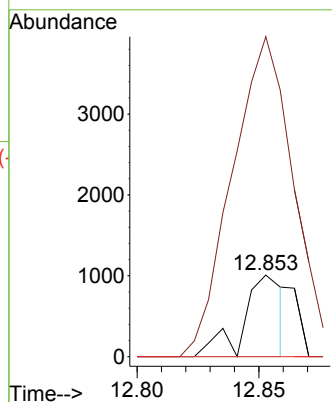
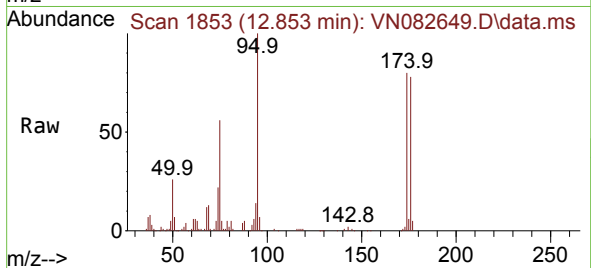
Tgt Ion:173 Resp: 1133

Ion Ratio Lower Upper

173 100

175 494.4 24.0 72.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082649.D

Acq: 19 Jun 2024 18:28

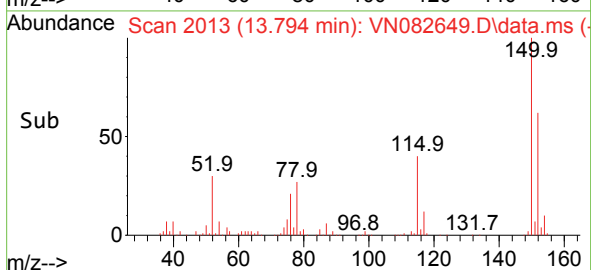
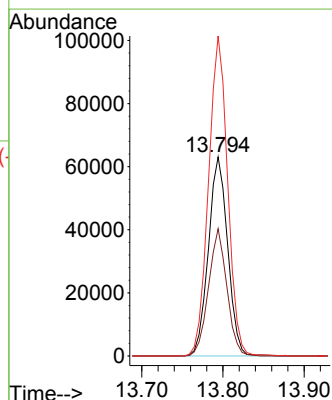
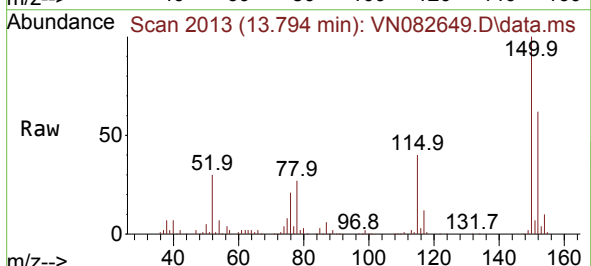
Tgt Ion:152 Resp: 104046

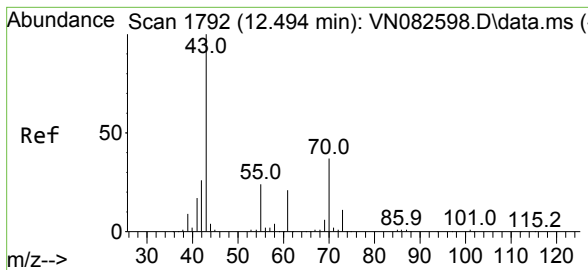
Ion Ratio Lower Upper

152 100

115 60.7 30.6 91.6

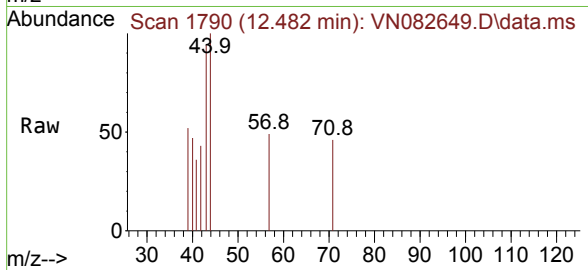
150 159.4 0.0 348.6



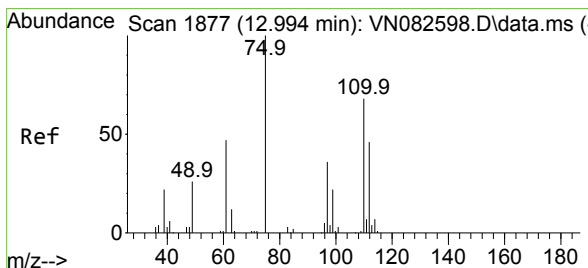
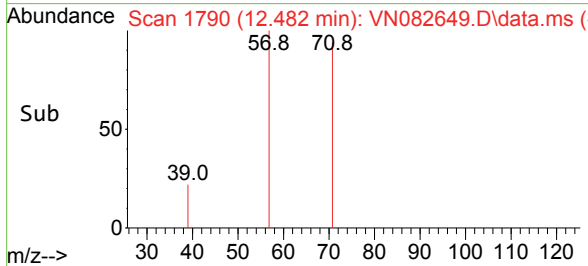


#74
N-amy1 acetate
Concen: 0.327 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :

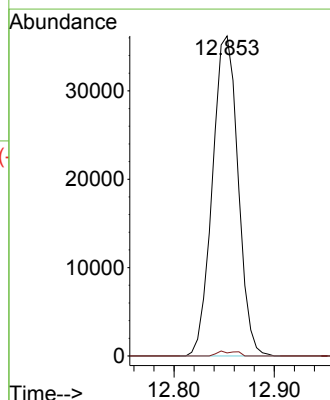
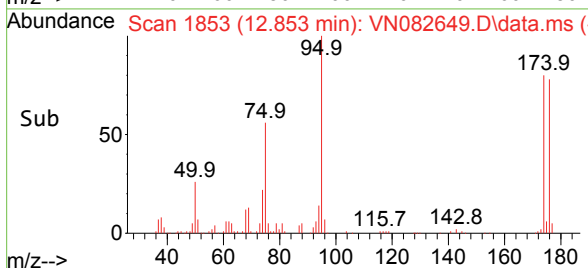
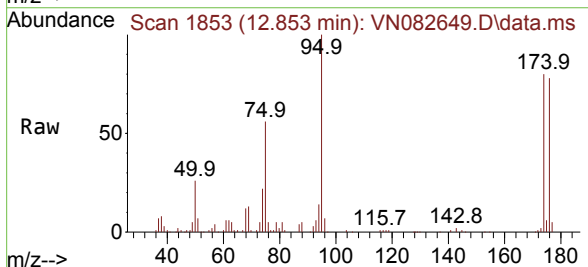


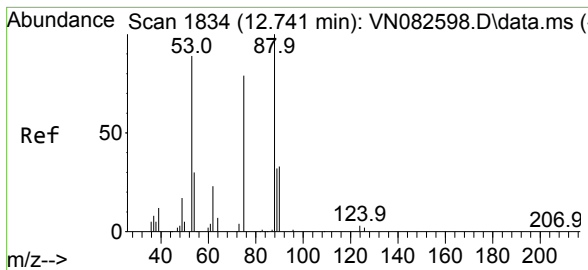
Tgt Ion: 43 Resp: 1378
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 25.248 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082649.D
Acq: 19 Jun 2024 18:28

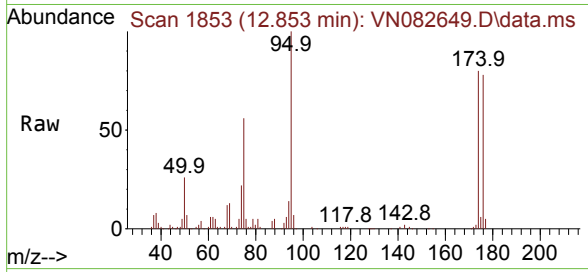
Tgt Ion: 75 Resp: 64250
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.403 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082649.D
 Acq: 19 Jun 2024 18:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	88.4	132.6#
89	0.1	36.3	54.5#

