

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082650.D
 Acq On : 19 Jun 2024 18:53
 Operator : JC\MD
 Sample : P2955-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 03:05:34 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

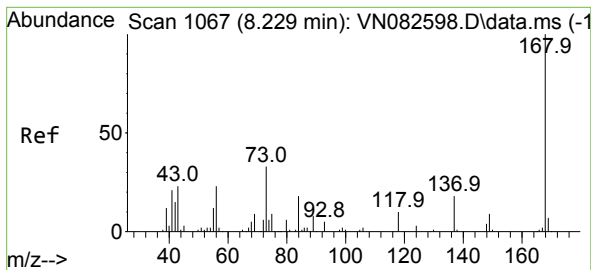
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	125745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	245897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	255114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118786	58.907	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.820%	
35) Dibromofluoromethane	8.171	113	87426	52.409	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.820%	
50) Toluene-d8	10.571	98	329854	52.289	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.580%	
62) 4-Bromofluorobenzene	12.853	95	105937	48.709	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 97.420%	
Target Compounds						Qvalue
16) Acetone	4.436	43	32086	34.987	ug/l #	89
18) Methyl Acetate	5.036	43	3380	1.507	ug/l #	70
20) Methylene Chloride	5.277	84	5304	3.290	ug/l #	86
25) 2-Butanone	7.494	43	4597	3.527	ug/l #	90
29) Tetrahydrofuran	7.865	42	485	0.608	ug/l #	38
31) Cyclohexane	8.224	56	3717	1.277	ug/l #	10
36) 1,1-Dichloropropene	8.224	75	11458	4.595	ug/l #	52
37) Ethyl Acetate	7.565	43	3616	1.138	ug/l #	79
38) Carbon Tetrachloride	8.224	117	13536	4.817	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	840	0.287	ug/l #	78
43) Isopropyl Acetate	8.694	43	227540	38.330	ug/l #	81
45) 1,2-Dichloropropane	9.747	63	1416	0.714	ug/l #	44
48) Methyl methacrylate	9.671	41	4620	1.888	ug/l #	48
49) 1,4-Dioxane	9.753	88	68	1.776	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	6130	2.013	ug/l	100
53) t-1,3-Dichloropropene	10.729	75	685	0.234	ug/l #	5
54) cis-1,3-Dichloropropene	10.359	75	38820	12.812	ug/l #	70
56) Ethyl methacrylate	10.982	69	2022	0.722	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5278	1.689	ug/l #	43
59) 2-Hexanone	11.171	43	111022	47.974	ug/l #	28
71) Bromoform	12.853	173	1127	0.683	ug/l #	1
74) N-amyl acetate	12.488	43	1086	0.265	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	61374	24.815	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61374	59.368	ug/l #	6

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

Instrument :
MSVOA_N
ClientSampleId :

Instrument :
MSVOA_N
ClientSampleId :





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082650.D

Acq: 19 Jun 2024 18:53

Instrument :

MSVOA_N

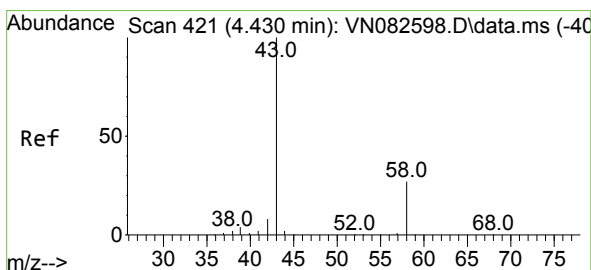
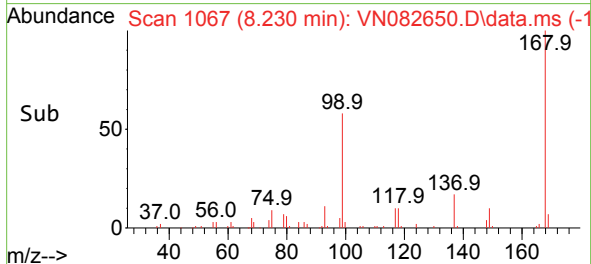
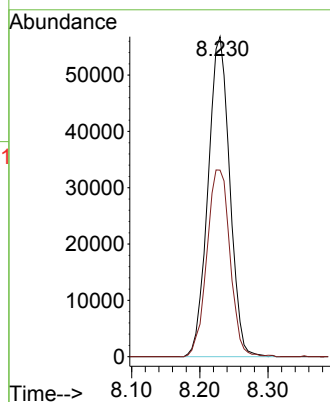
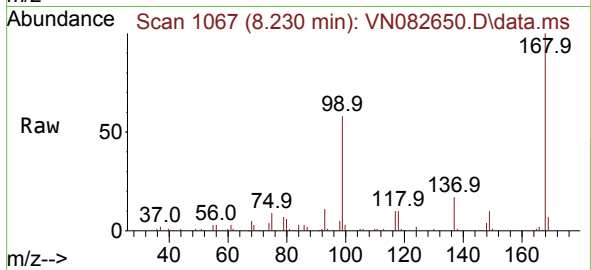
ClientSampleId :

Tgt Ion:168 Resp: 125745

Ion Ratio Lower Upper

168 100

99 58.3 48.2 72.4



#16

Acetone

Concen: 34.987 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN082650.D

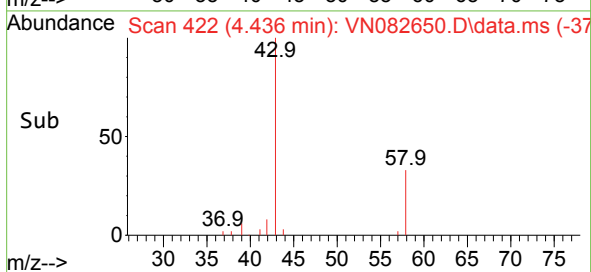
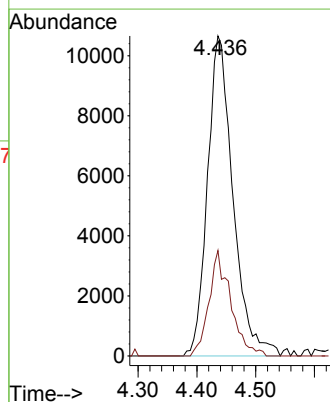
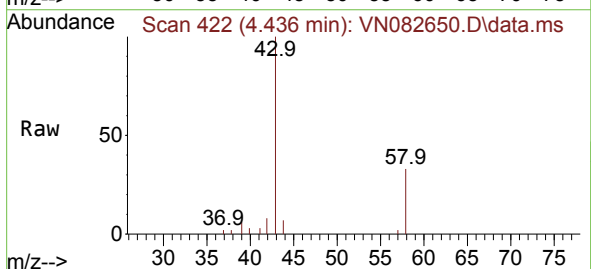
Acq: 19 Jun 2024 18:53

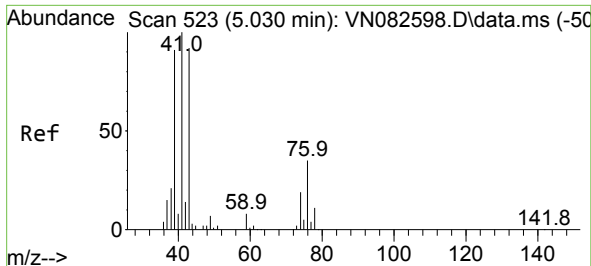
Tgt Ion: 43 Resp: 32086

Ion Ratio Lower Upper

43 100

58 32.9 21.8 32.6#

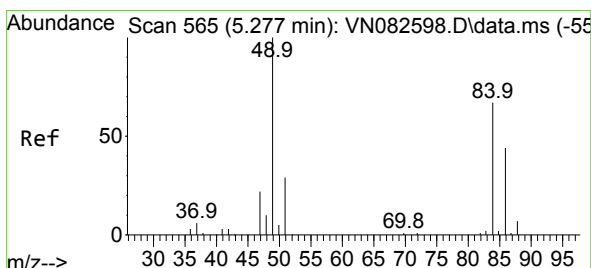
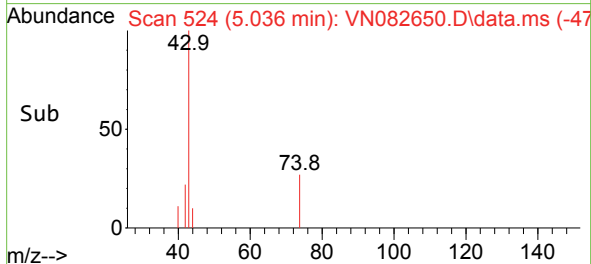
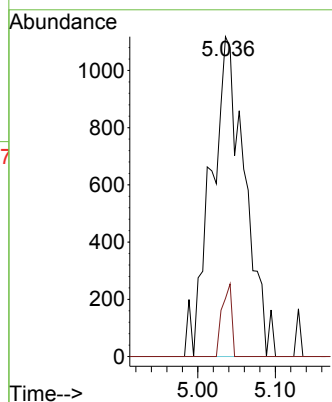
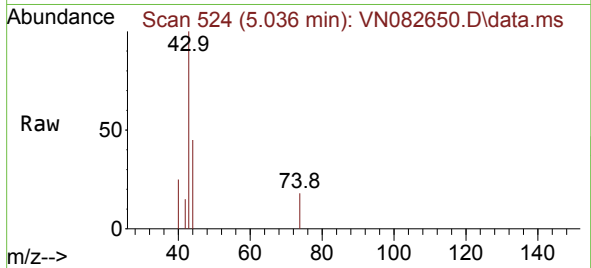




#18
Methyl Acetate
Concen: 1.507 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

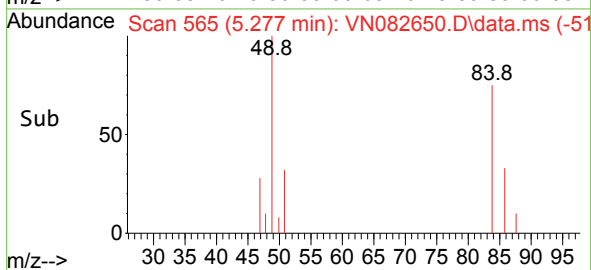
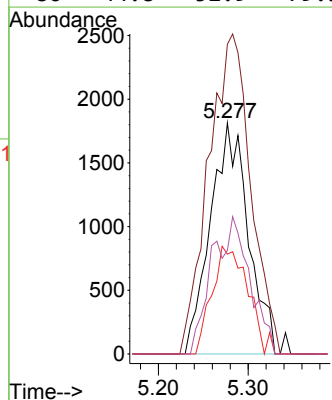
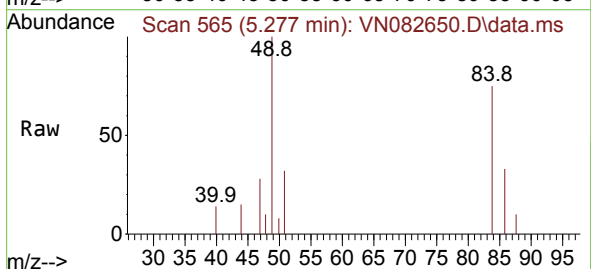
Instrument :
MSVOA_N
ClientSampleId :

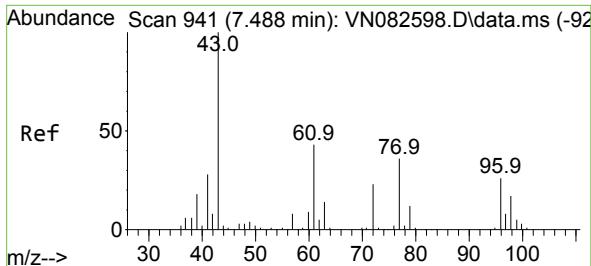
Tgt Ion: 43 Resp: 3380
Ion Ratio Lower Upper
43 100
74 6.4 16.3 24.5#



#20
Methylene Chloride
Concen: 3.290 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Tgt Ion: 84 Resp: 5304
Ion Ratio Lower Upper
84 100
49 134.1 119.6 179.4
51 43.2 34.8 52.2
86 44.8 52.9 79.3#

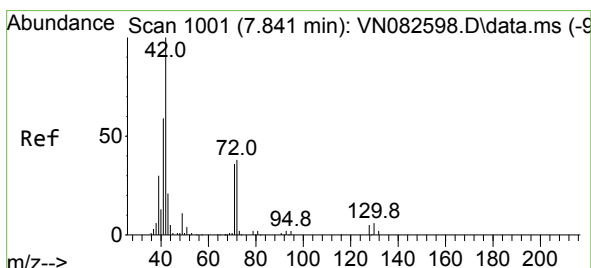
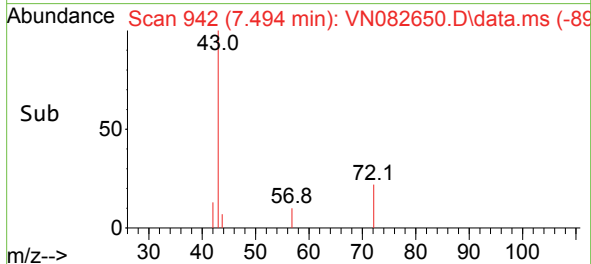
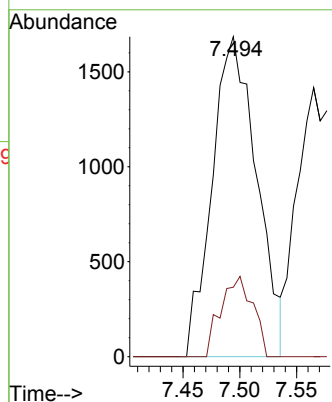
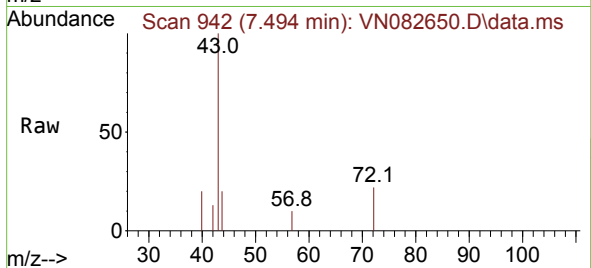




#25
2-Butanone
Concen: 3.527 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

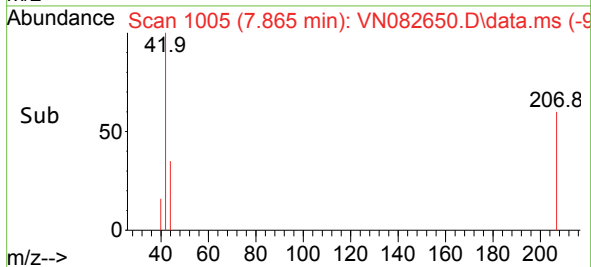
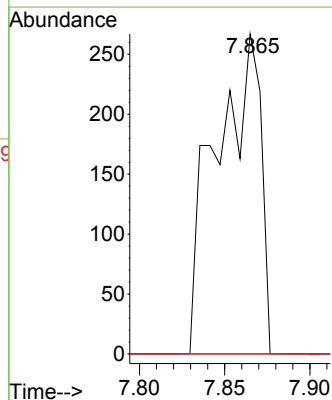
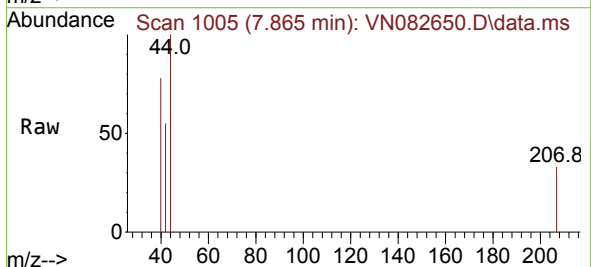
Instrument :
MSVOA_N
ClientSampleId :

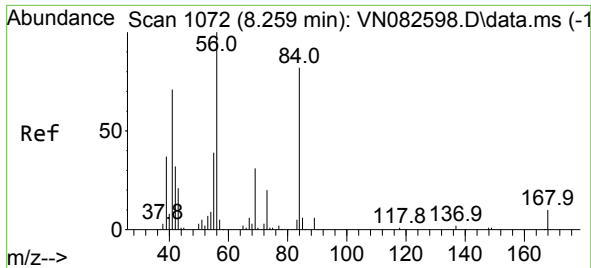
Tgt Ion: 43 Resp: 4597
Ion Ratio Lower Upper
43 100
72 18.0 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.608 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.024 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

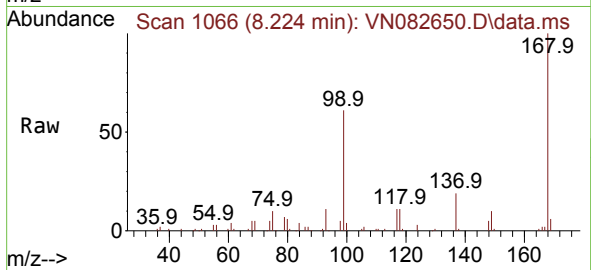
Tgt Ion: 42 Resp: 485
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



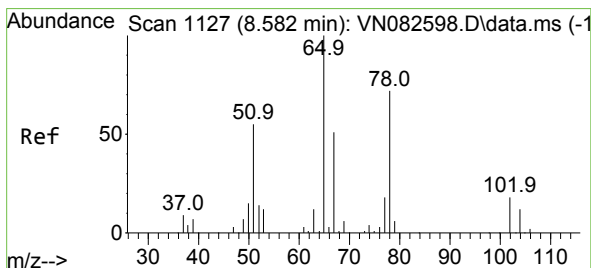
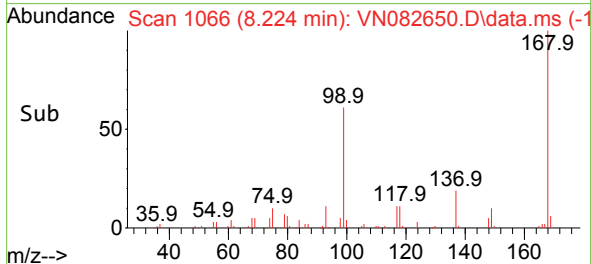
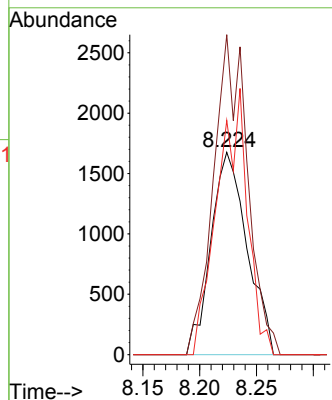


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

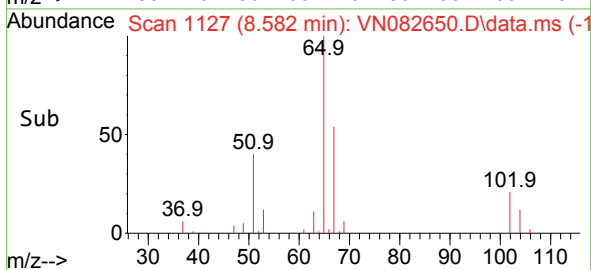
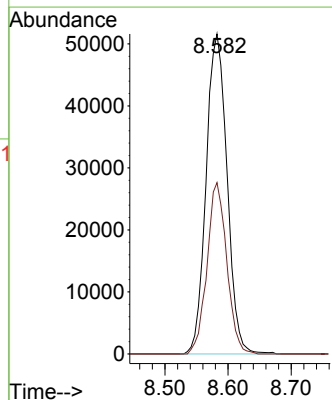
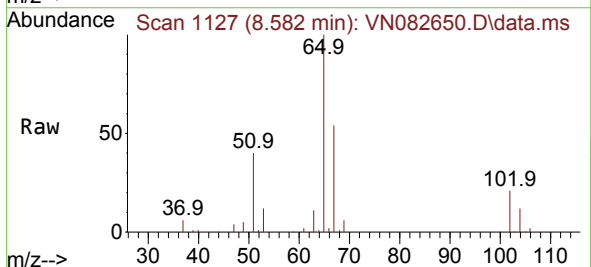


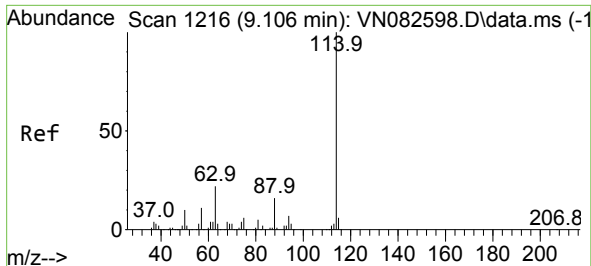
Tgt Ion: 56 Resp: 3717
Ion Ratio Lower Upper
56 100
69 158.1 24.5 36.7#
84 115.8 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 58.907 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

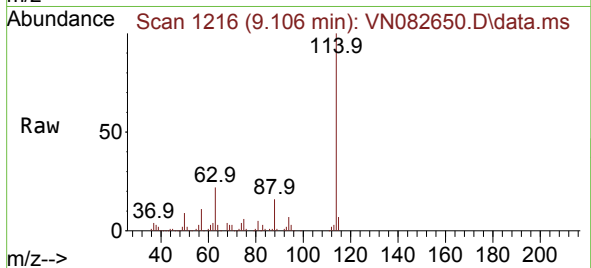
Tgt Ion: 65 Resp: 118786
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.4



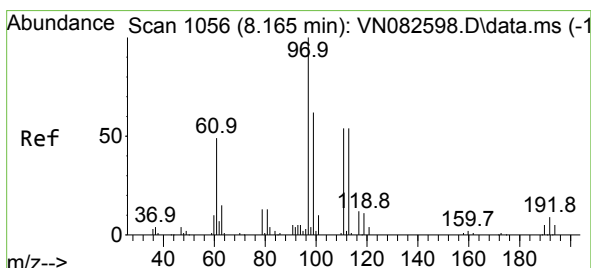
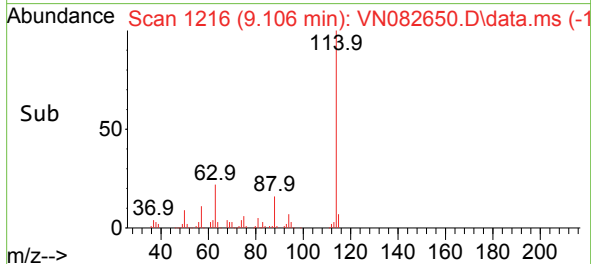
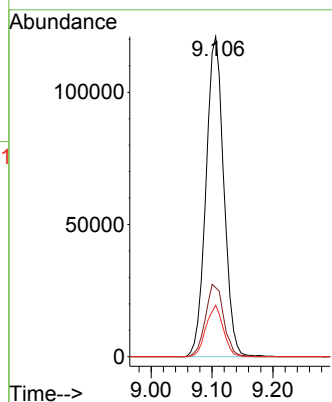


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

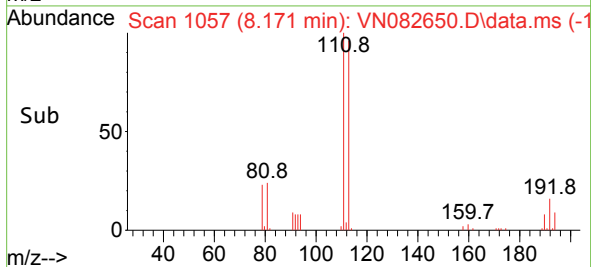
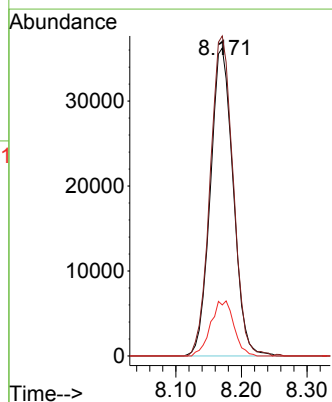
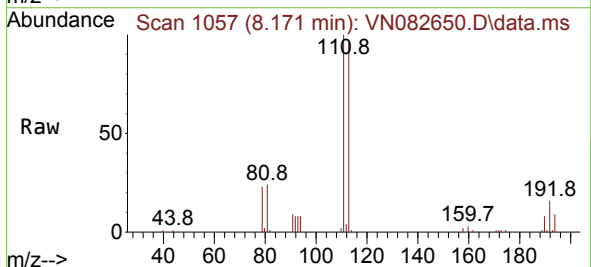


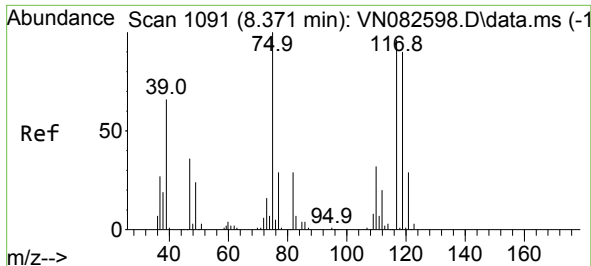
Tgt Ion:114 Resp: 245897
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.6
88 16.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.409 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

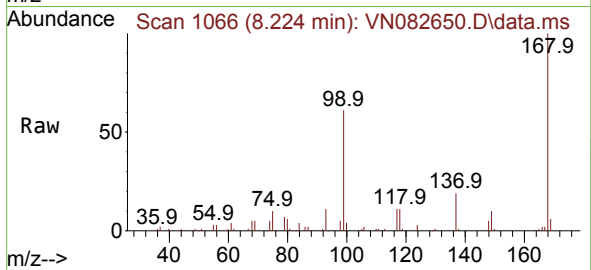
Tgt Ion:113 Resp: 87426
Ion Ratio Lower Upper
113 100
111 105.0 82.4 123.6
192 18.2 14.9 22.3



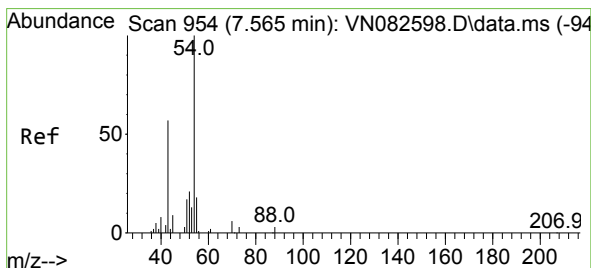
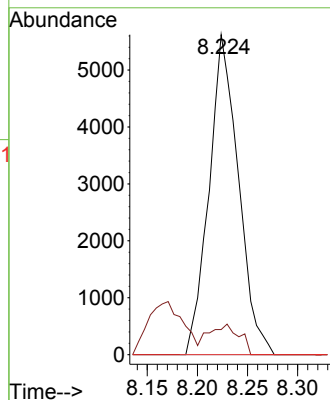
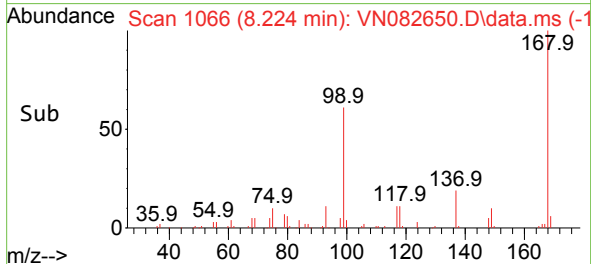


#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

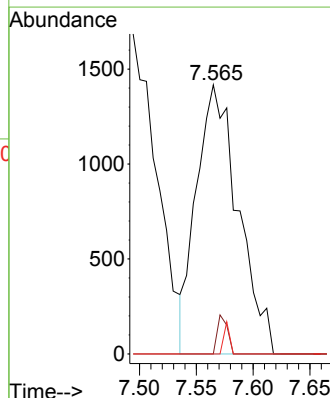
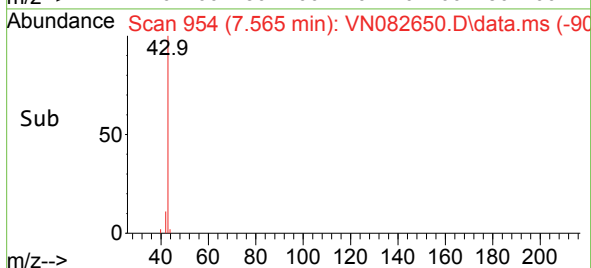
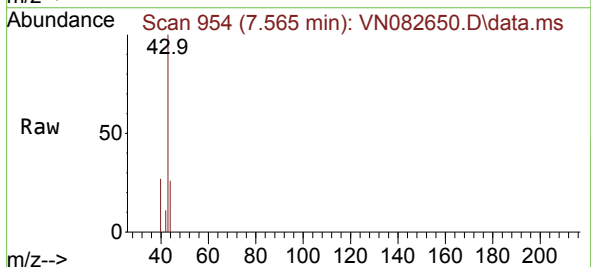


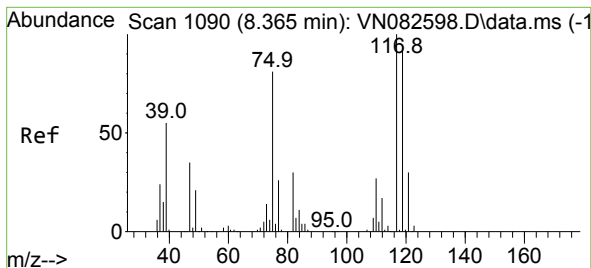
Tgt Ion: 75 Resp: 11458
Ion Ratio Lower Upper
75 100
110 10.0 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.138 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Tgt Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
61 3.5 9.3 13.9#
70 1.7 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.817 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

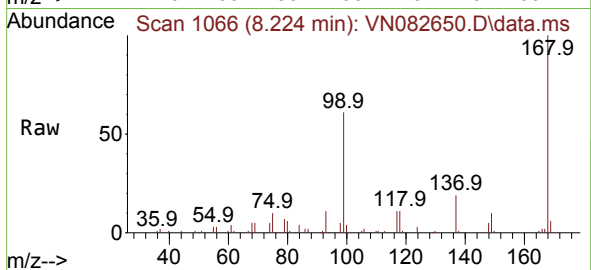
Lab File: VN082650.D

Acq: 19 Jun 2024 18:53

Instrument :

MSVOA_N

ClientSampleId :



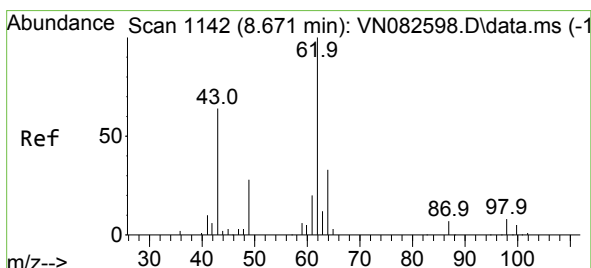
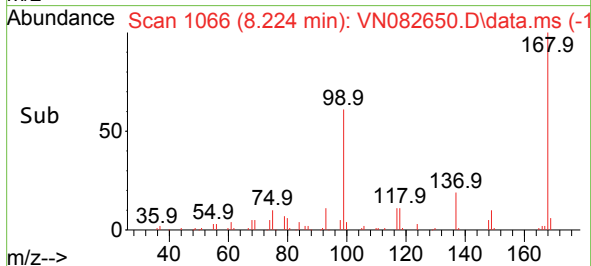
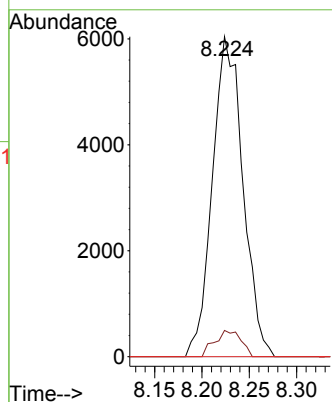
Tgt Ion:117 Resp: 13536

Ion Ratio Lower Upper

117 100

119 8.2 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.287 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082650.D

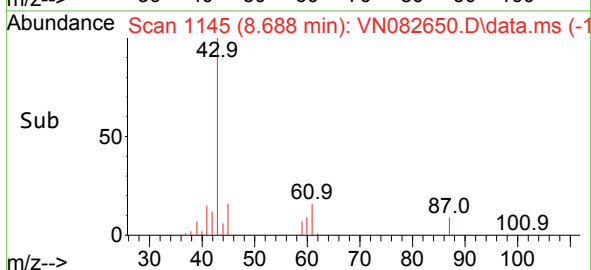
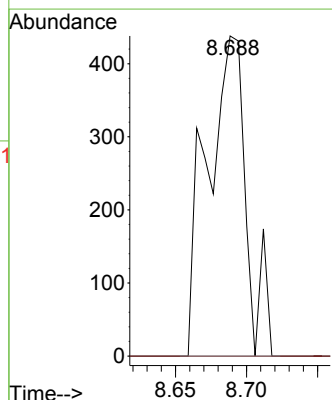
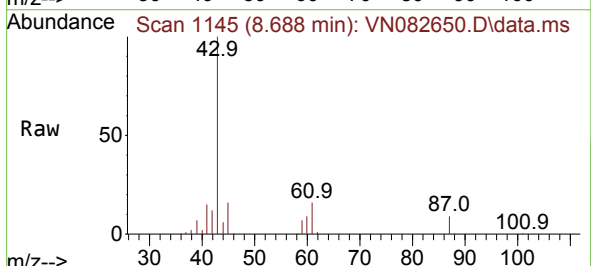
Acq: 19 Jun 2024 18:53

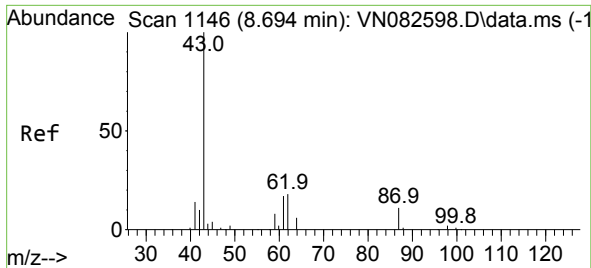
Tgt Ion: 62 Resp: 840

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

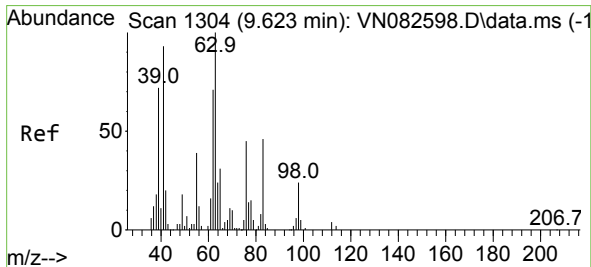
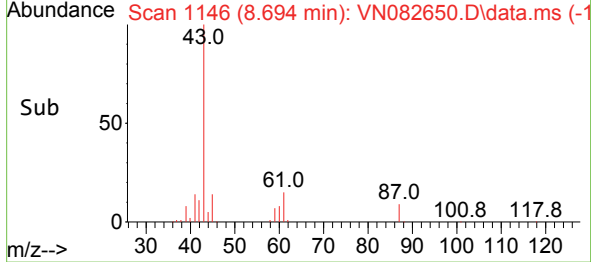
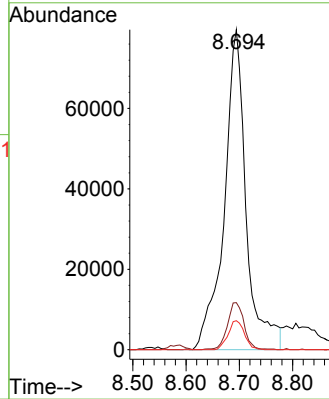
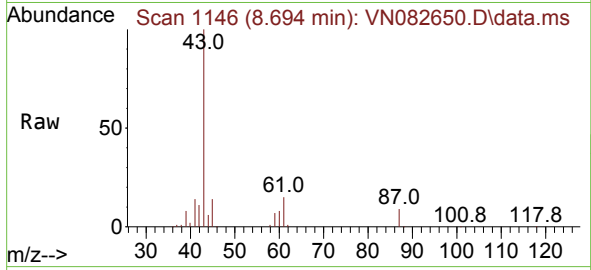




#43
Isopropyl Acetate
Concen: 38.330 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

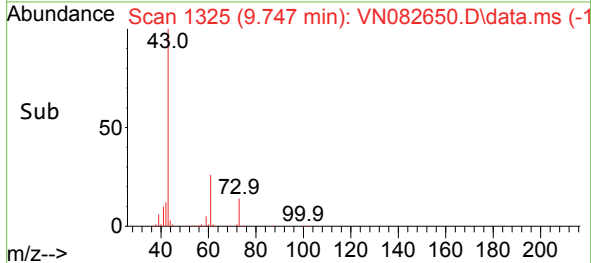
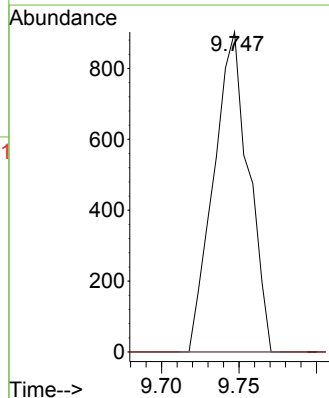
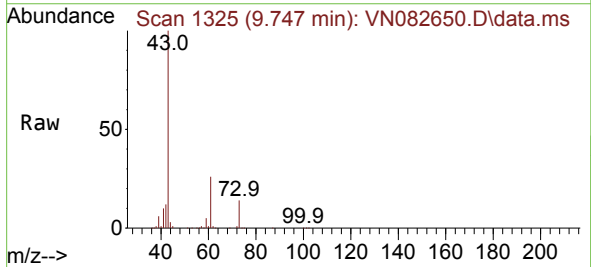
Instrument :
MSVOA_N
ClientSampleId :

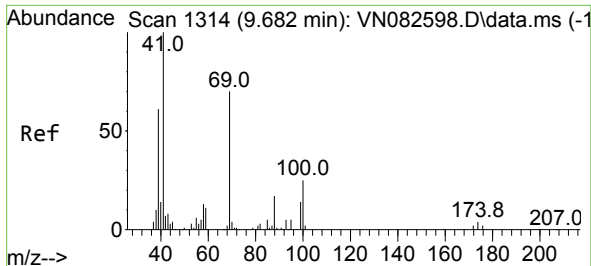
Tgt Ion: 43 Resp: 227540
Ion Ratio Lower Upper
43 100
61 11.3 17.8 26.6#
87 6.8 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.714 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Tgt Ion: 63 Resp: 1416
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

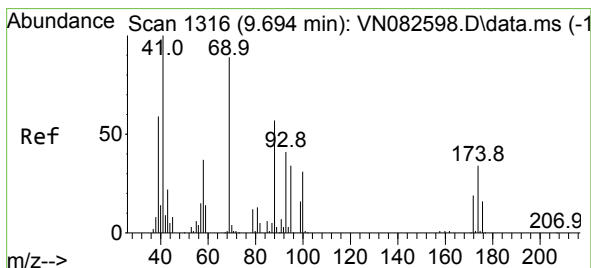
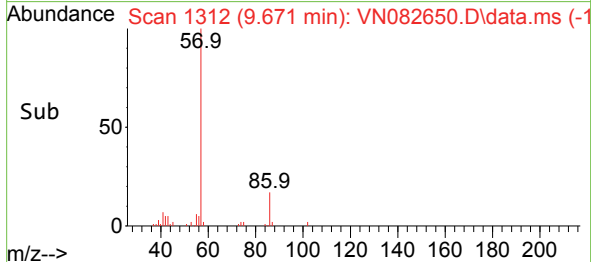
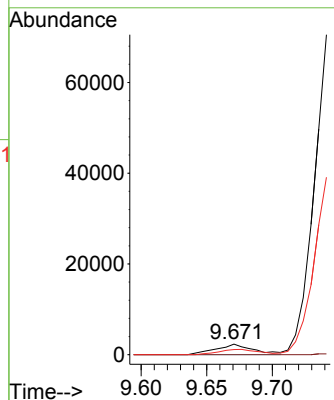
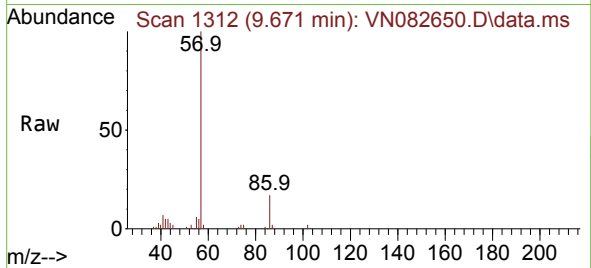




#48
Methyl methacrylate
Concen: 1.888 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

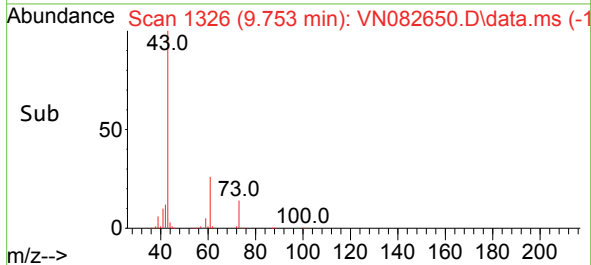
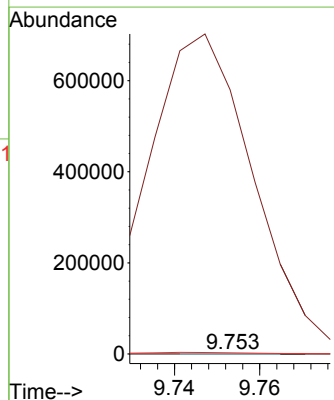
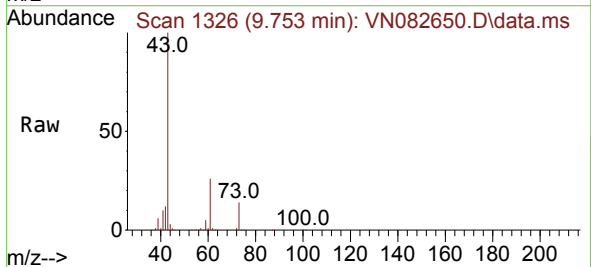
Instrument :
MSVOA_N
ClientSampleId :

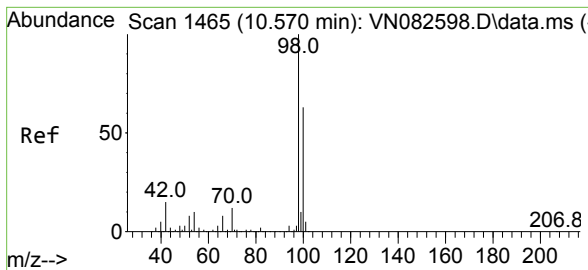
Tgt Ion: 41 Resp: 4620
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 52.3 50.3 75.5



#49
1,4-Dioxane
Concen: 1.776 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 1845785.3 27.8 41.8#
58 9494.1 59.4 89.0#

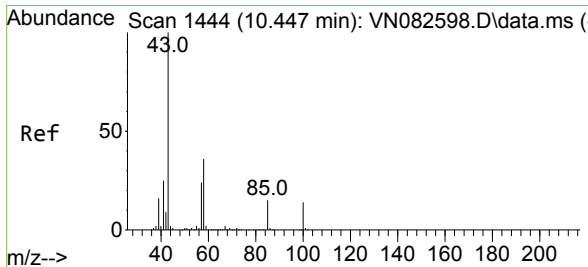
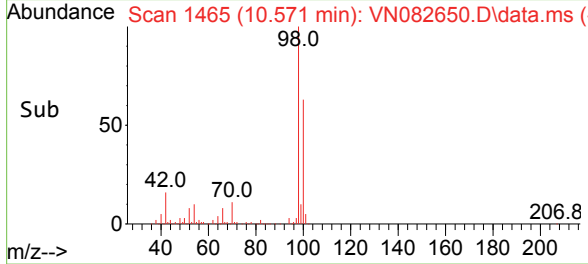
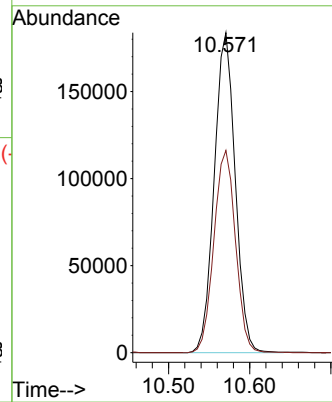
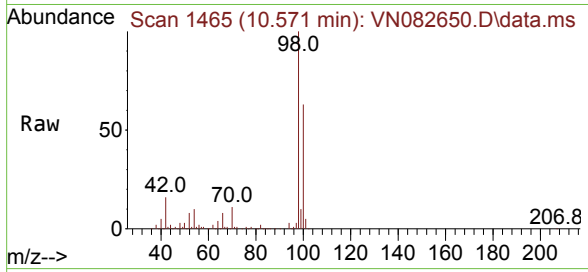




#50
Toluene-d8
Concen: 52.289 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

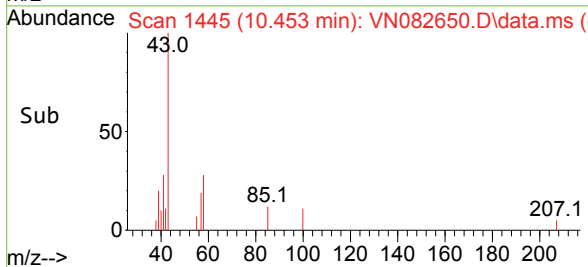
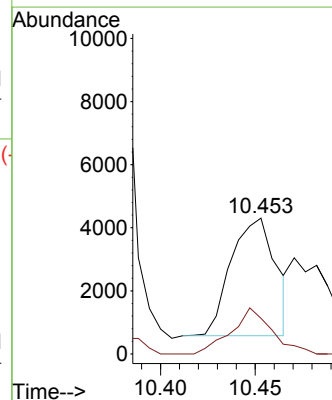
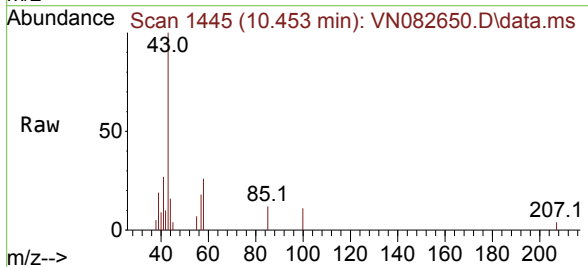
Instrument :
MSVOA_N
ClientSampleId :

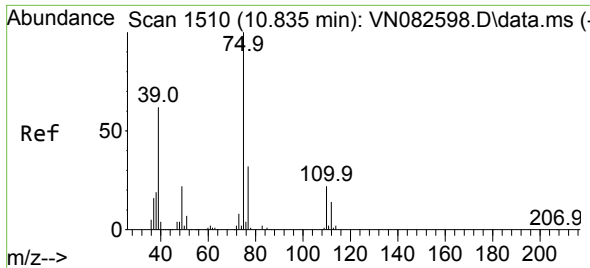
Tgt Ion: 98 Resp: 329854
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.013 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

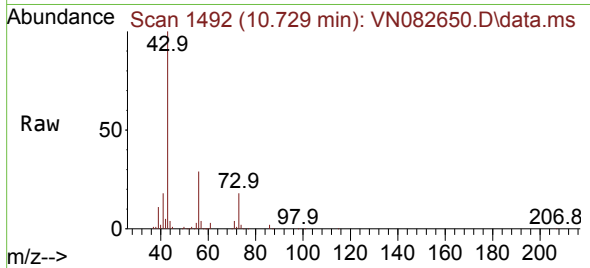
Tgt Ion: 43 Resp: 6130
Ion Ratio Lower Upper
43 100
58 35.5 28.2 42.4



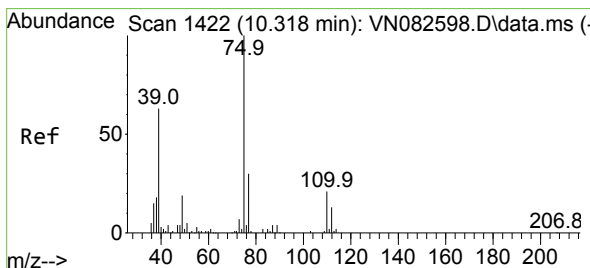
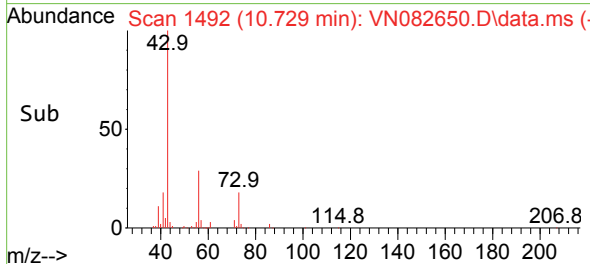
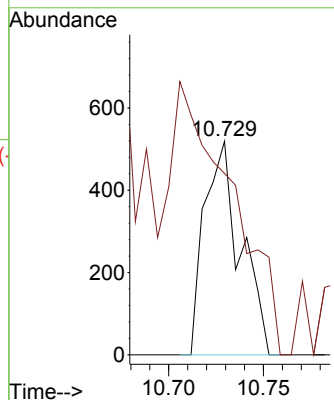


#53
 t-1,3-Dichloropropene
 Concen: 0.234 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082650.D
 Acq: 19 Jun 2024 18:53

Instrument :
 MSVOA_N
 ClientSampleId :

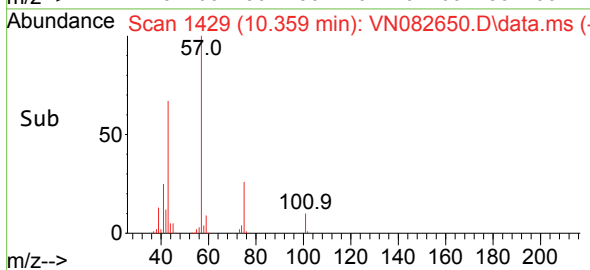
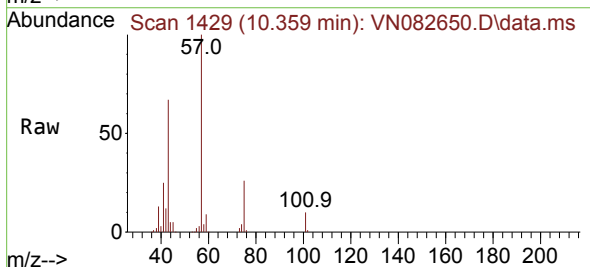
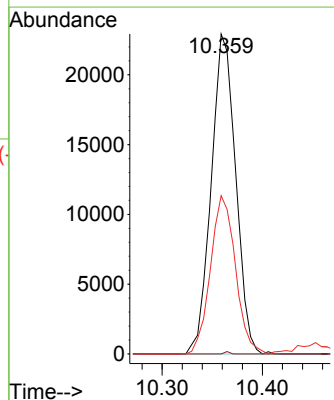


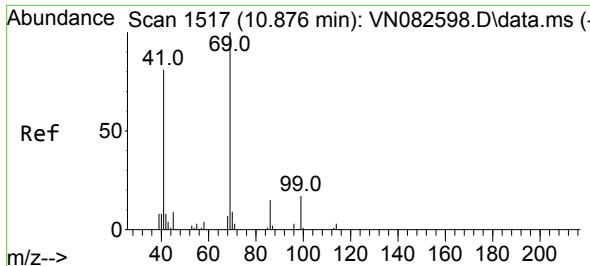
Tgt Ion: 75 Resp: 685
 Ion Ratio Lower Upper
 75 100
 77 85.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.812 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082650.D
 Acq: 19 Jun 2024 18:53

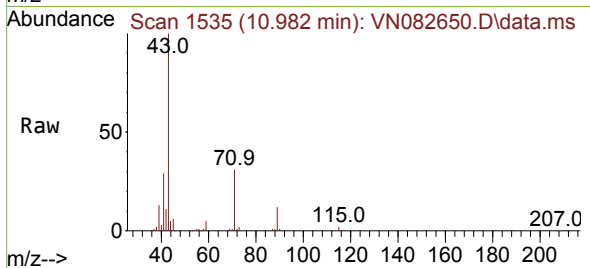
Tgt Ion: 75 Resp: 38820
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 49.4 50.5 75.7#



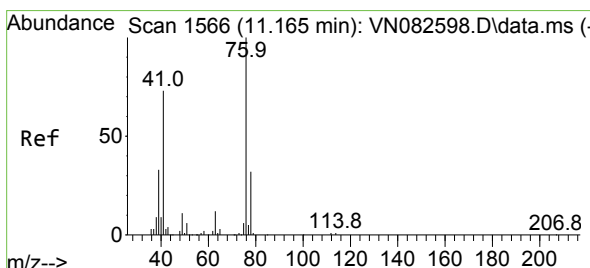
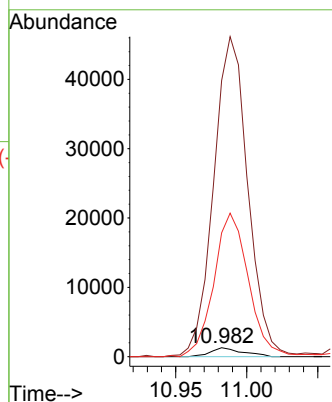
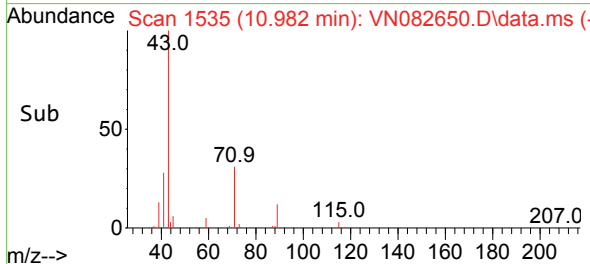


#56
Ethyl methacrylate
Concen: 0.722 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

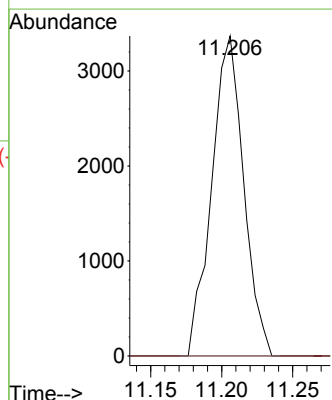
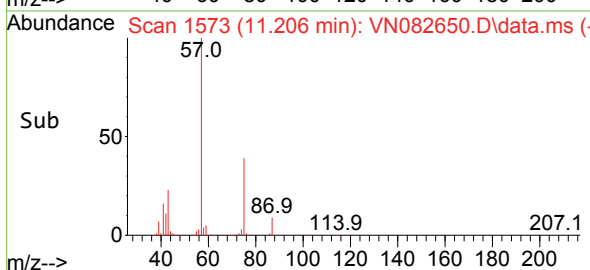
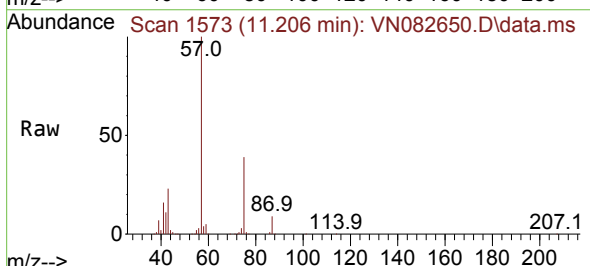


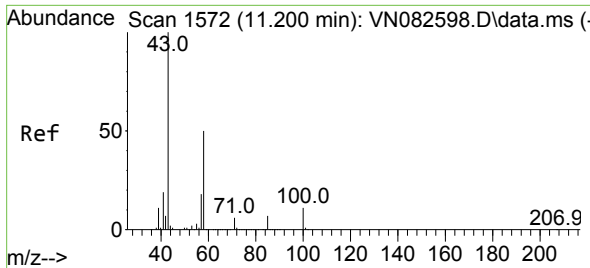
Tgt Ion: 69 Resp: 2022
Ion Ratio Lower Upper
69 100
41 3834.8 63.4 95.2#
39 1745.6 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.689 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

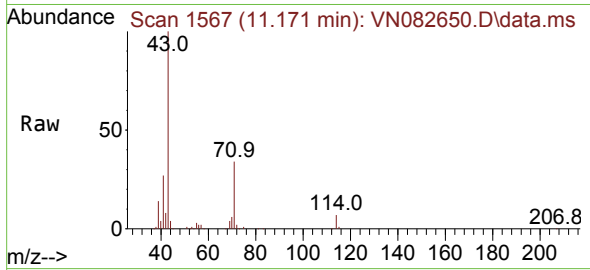
Tgt Ion: 76 Resp: 5278
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



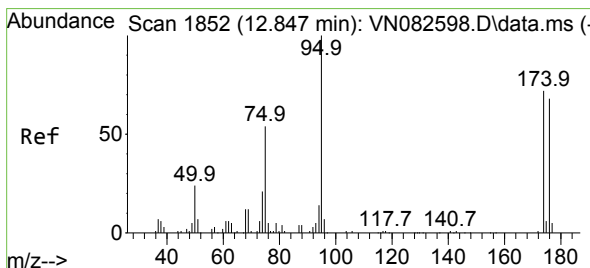
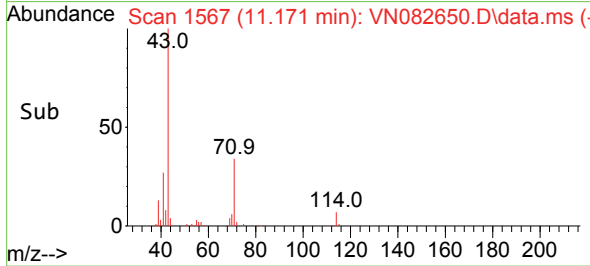
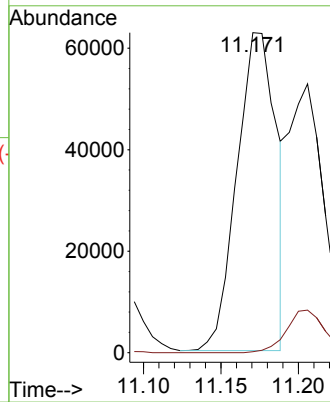


#59
2-Hexanone
Concen: 47.974 ug/l
RT: 11.171 min Scan# 111022
Delta R.T. -0.029 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

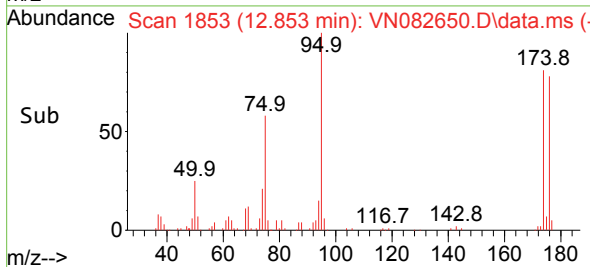
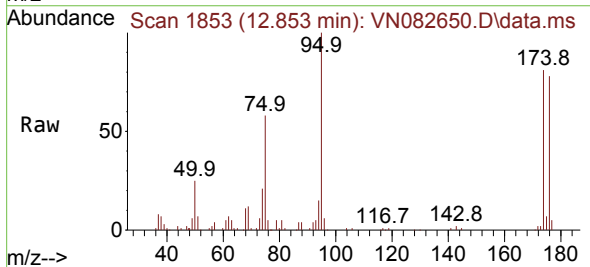
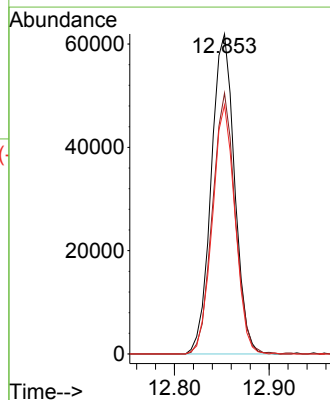


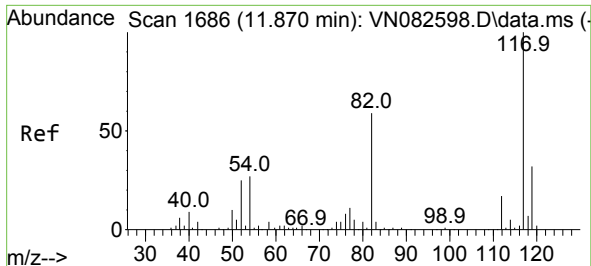
Tgt Ion: 43 Resp: 111022
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.709 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

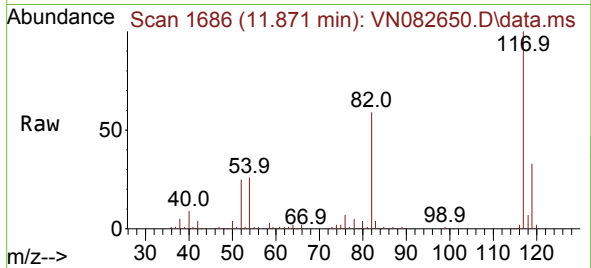
Tgt Ion: 95 Resp: 105937
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.2
176 75.5 0.0 147.6



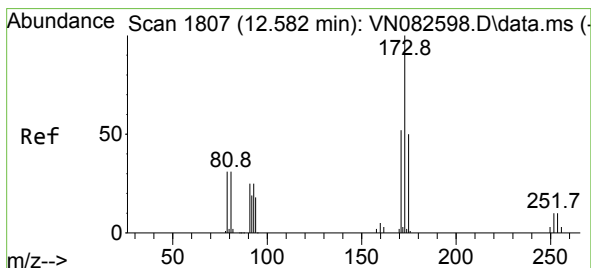
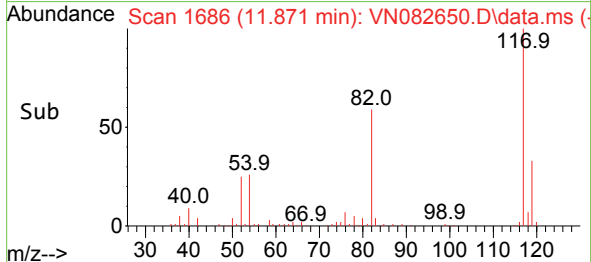
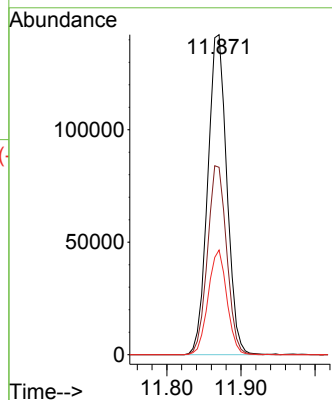


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

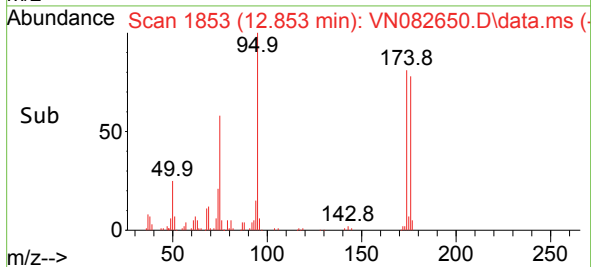
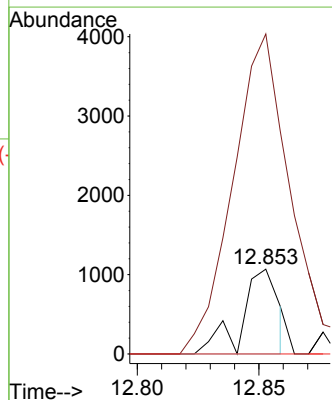
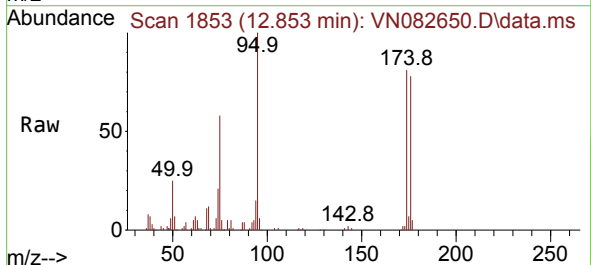


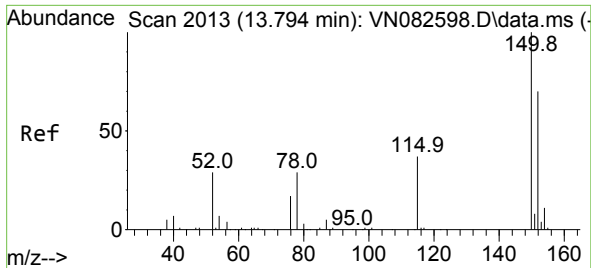
Tgt Ion:117 Resp: 255114
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 32.7 25.6 38.4



#71
Bromoform
Concen: 0.683 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Tgt Ion:173 Resp: 1127
Ion Ratio Lower Upper
173 100
175 478.4 24.0 72.0#
254 0.0 0.0 0.0

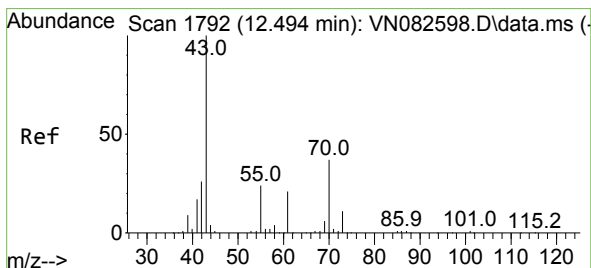
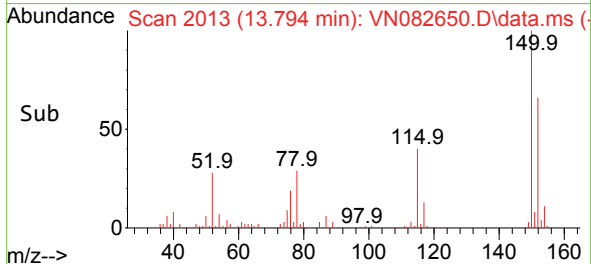
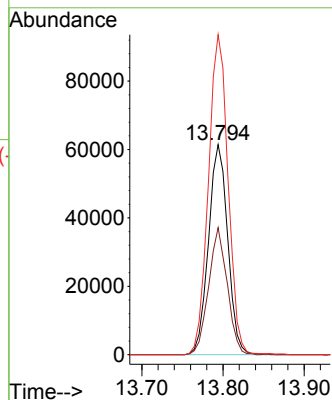
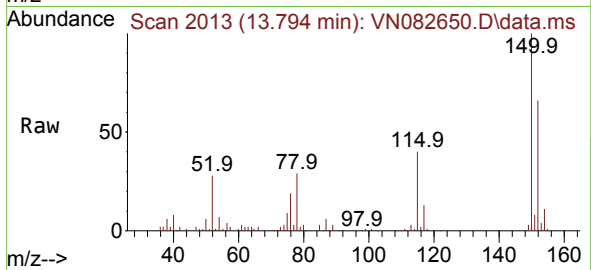




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

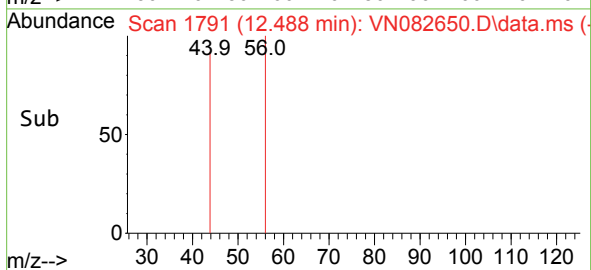
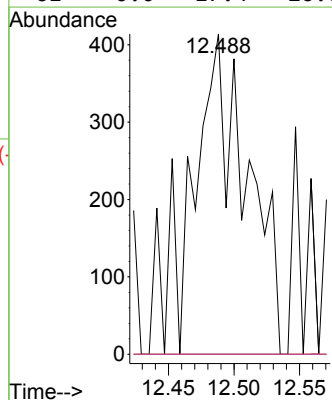
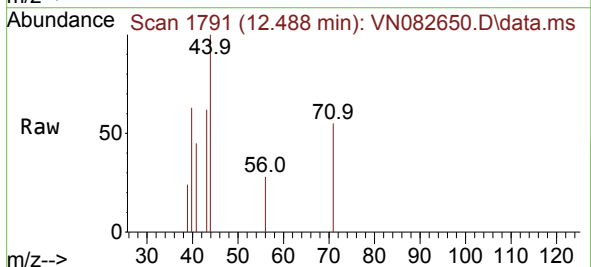
Instrument :
MSVOA_N
ClientSampleId :

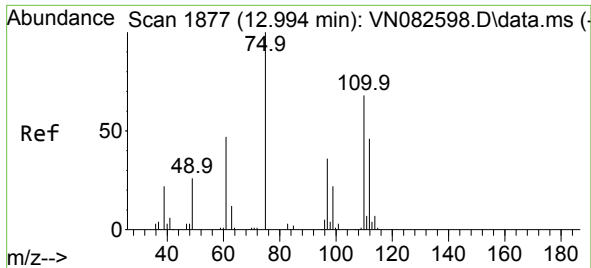
Tgt Ion:152 Resp: 101121
Ion Ratio Lower Upper
152 100
115 58.5 30.6 91.6
150 155.6 0.0 348.6



#74
N-ethyl acetate
Concen: 0.265 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Tgt Ion: 43 Resp: 1086
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#

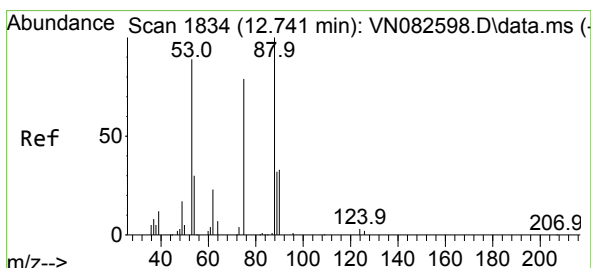
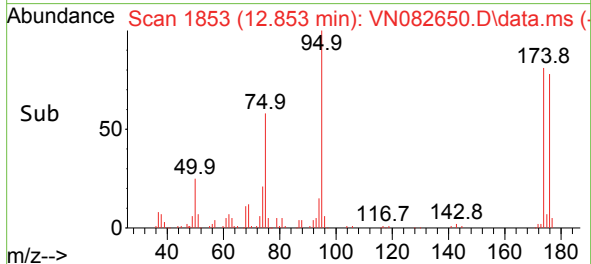
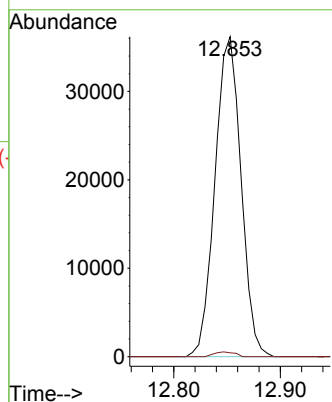
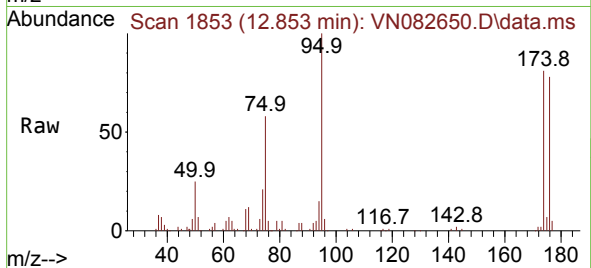




#76
1,2,3-Trichloropropane
Concen: 24.815 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 61374
Ion Ratio Lower Upper
75 100
77 1.2 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.368 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082650.D
Acq: 19 Jun 2024 18:53

Tgt Ion: 75 Resp: 61374
Ion Ratio Lower Upper
75 100
53 0.1 88.4 132.6#
89 0.0 36.3 54.5#

