

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082174.D
 Acq On : 16 May 2024 20:06
 Operator : JC\MD
 Sample : P2497-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT3823

Quant Time: May 17 05:08:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	164910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137964	52.982	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	8.165	113	96262	52.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.120%			
50) Toluene-d8	10.565	98	381890	53.872	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.740%			
62) 4-Bromofluorobenzene	12.853	95	129721	51.269	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 102.540%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	142	0.340	ug/l #	71
16) Acetone	4.436	43	17473	16.358	ug/l	90
17) Carbon Disulfide	4.712	76	1313	0.226	ug/l #	74
18) Methyl Acetate	5.036	43	3626	1.363	ug/l #	58
20) Methylene Chloride	5.283	84	9436	4.378	ug/l #	78
25) 2-Butanone	7.488	43	1701	1.050	ug/l #	43
29) Tetrahydrofuran	7.853	42	261	0.251	ug/l #	29
31) Cyclohexane	8.229	56	5309	1.277	ug/l #	61
36) 1,1-Dichloropropene	8.224	75	15628	5.040	ug/l #	50
37) Ethyl Acetate	7.553	43	4053	1.168	ug/l #	78
38) Carbon Tetrachloride	8.229	117	18878	6.005	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1182	0.332	ug/l #	73
43) Isopropyl Acetate	8.688	43	411390	66.899	ug/l #	65
45) 1,2-Dichloropropane	9.747	63	1320	0.553	ug/l #	45
48) Methyl methacrylate	9.659	41	4336	1.480	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	5887	1.685	ug/l #	80
53) t-1,3-Dichloropropene	10.723	75	882	0.258	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	46475	12.838	ug/l #	76
56) Ethyl methacrylate	10.976	69	1672	0.488	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5929	1.572	ug/l #	42
59) 2-Hexanone	11.200	43	94682	37.010	ug/l #	47
71) Bromoform	12.841	173	859	0.571	ug/l #	28
74) N-amyl acetate	12.488	43	1659	0.323	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	76358	30.888	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76358	72.245	ug/l #	12

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

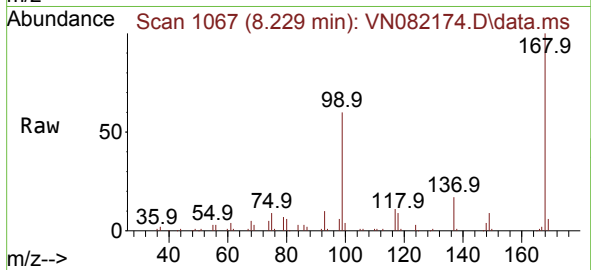
Quant Time: May 17 05:08:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:08:43 2024
Response via : Initial Calibration



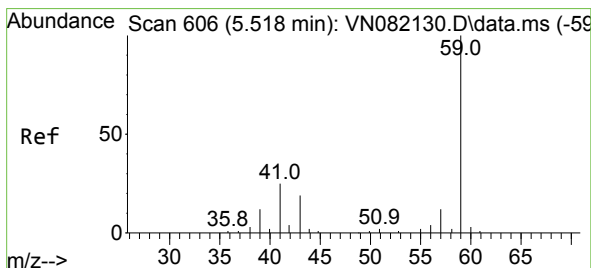
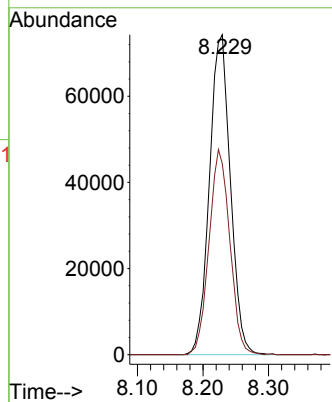
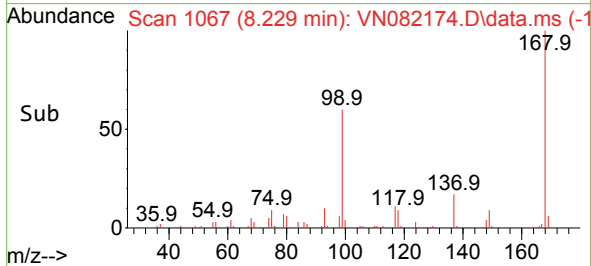


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Instrument :
MSVOA_N
ClientSampleId :
RT3823

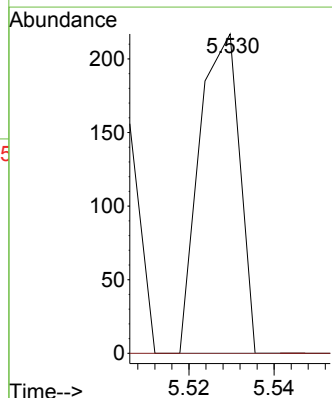
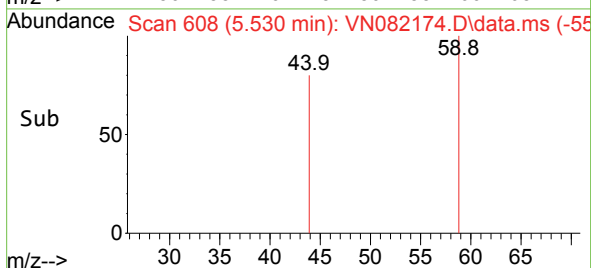
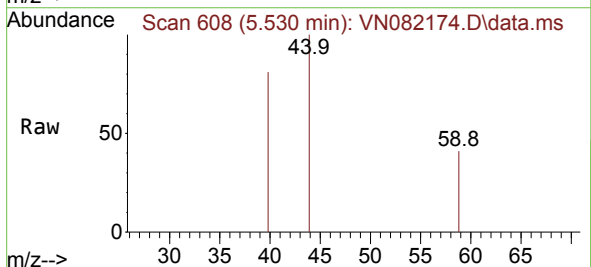


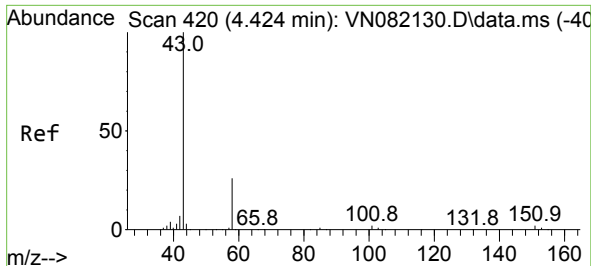
Tgt Ion:168 Resp: 164910
Ion Ratio Lower Upper
168 100
99 59.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.340 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

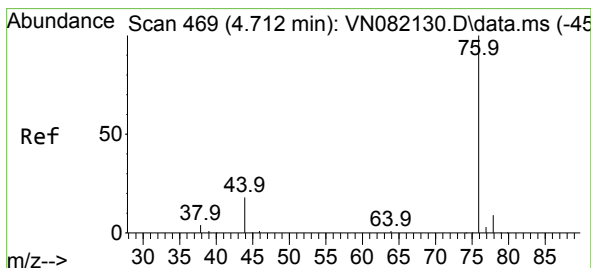
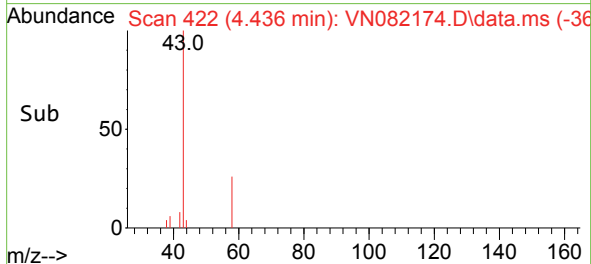
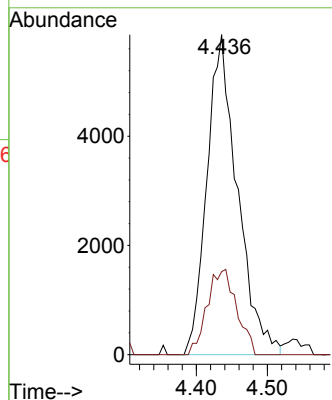
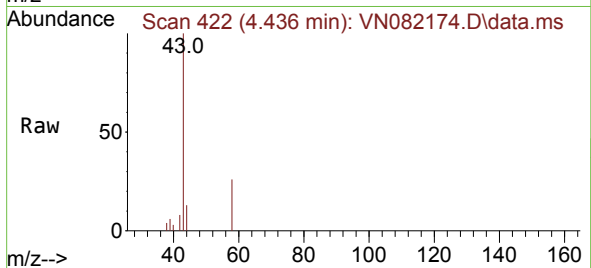




#16
Acetone
Concen: 16.358 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

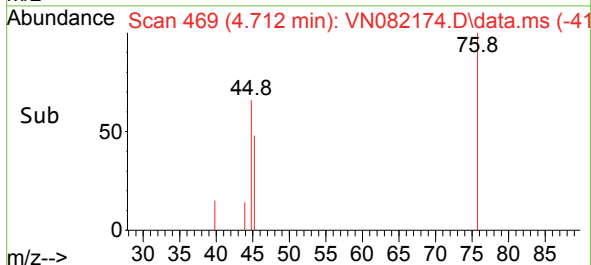
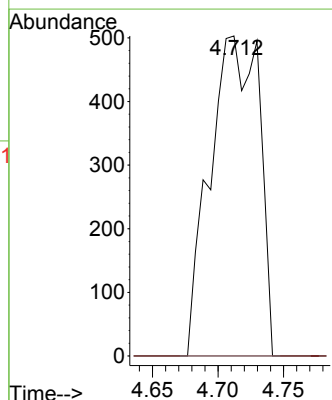
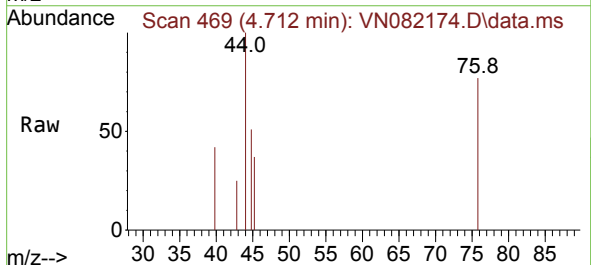
Instrument :
MSVOA_N
ClientSampleId :
RT3823

Tgt Ion: 43 Resp: 17473
Ion Ratio Lower Upper
43 100
58 25.9 25.2 37.8



#17
Carbon Disulfide
Concen: 0.226 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Tgt Ion: 76 Resp: 1313
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

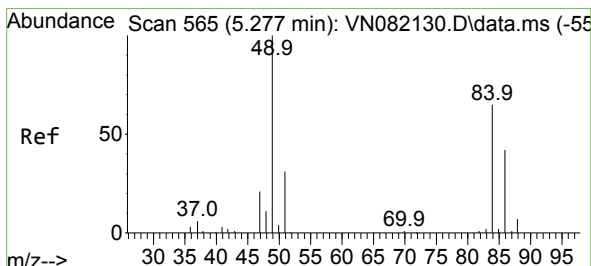
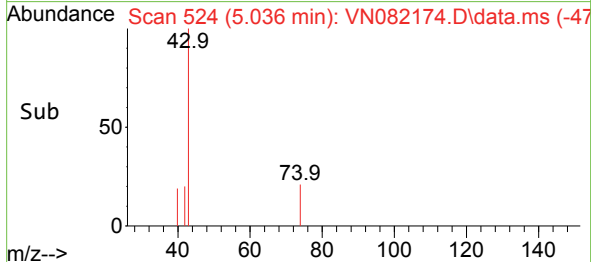
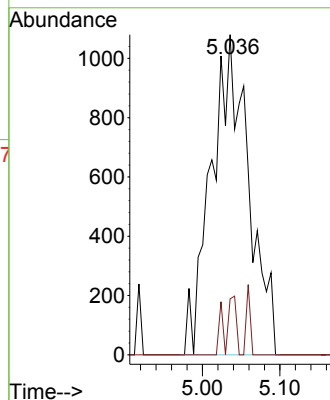
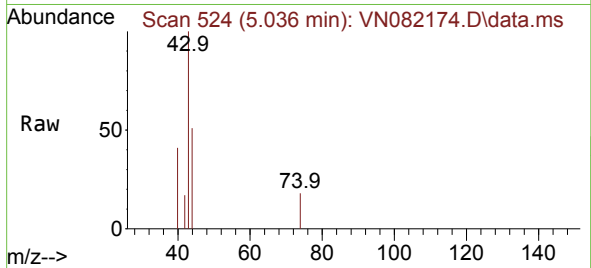




#18
Methyl Acetate
Concen: 1.363 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

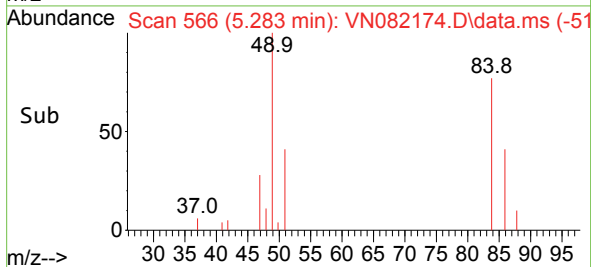
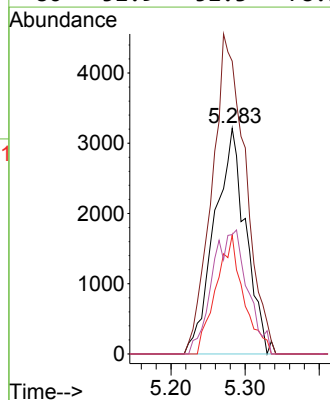
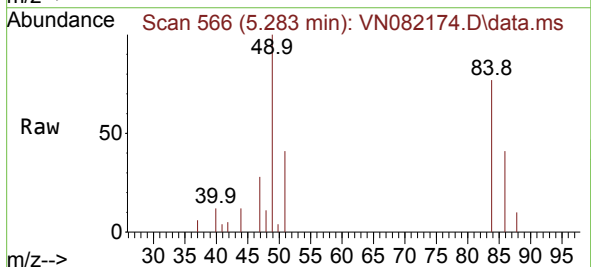
Instrument :
MSVOA_N
ClientSampleId :
RT3823

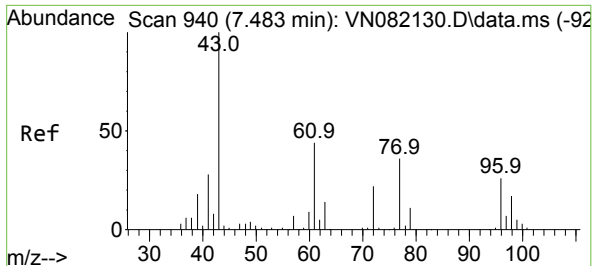
Tgt Ion: 43 Resp: 3626
Ion Ratio Lower Upper
43 100
74 5.5 22.2 33.2#



#20
Methylene Chloride
Concen: 4.378 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Tgt Ion: 84 Resp: 9436
Ion Ratio Lower Upper
84 100
49 129.8 84.9 127.3#
51 52.6 27.0 40.6#
86 52.9 52.3 78.5





#25

2-Butanone

Concen: 1.050 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN082174.D

Acq: 16 May 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

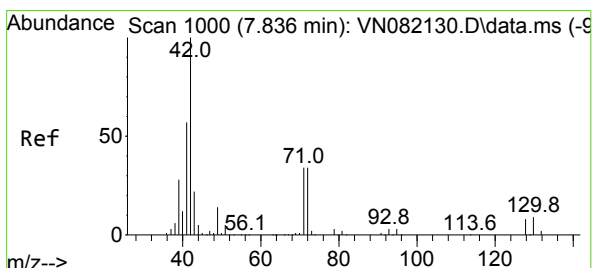
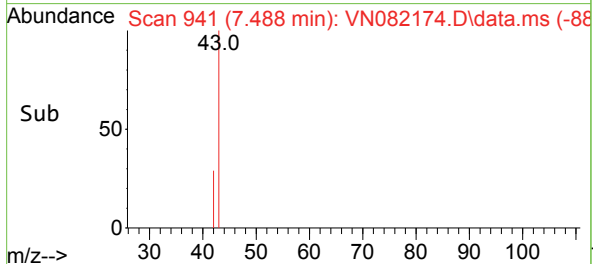
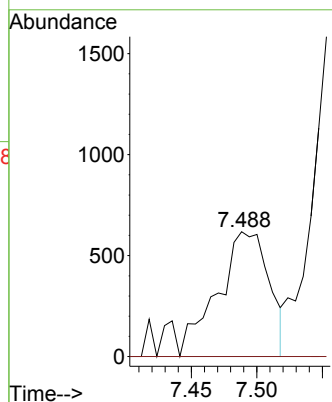
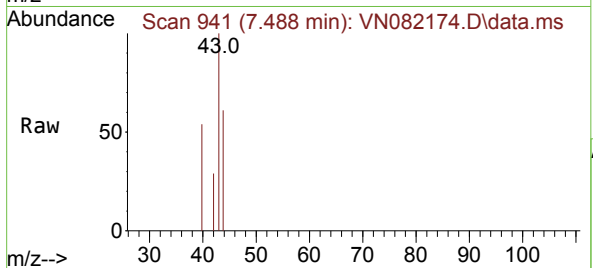
RT3823

Tgt Ion: 43 Resp: 1701

Ion Ratio Lower Upper

43 100

72 0.0 25.3 37.9#



#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.017 min

Lab File: VN082174.D

Acq: 16 May 2024 20:06

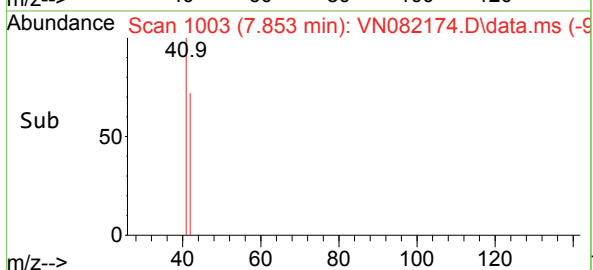
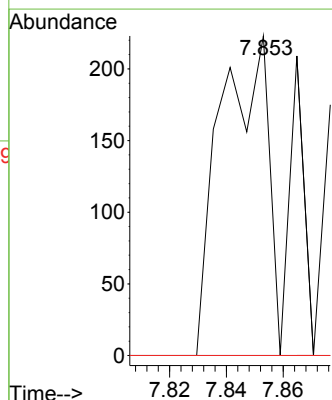
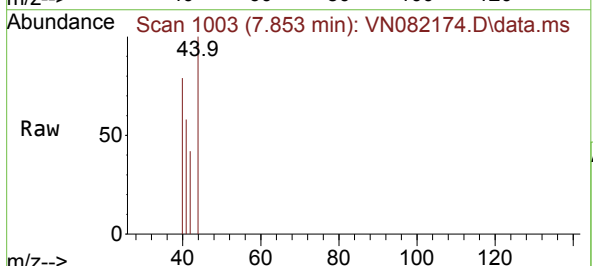
Tgt Ion: 42 Resp: 261

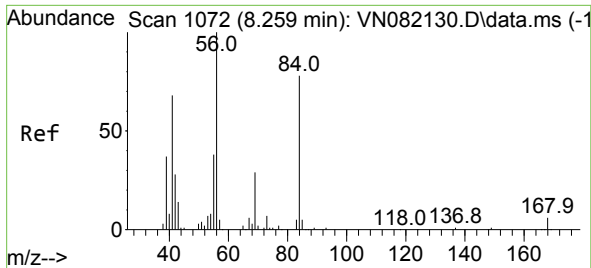
Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

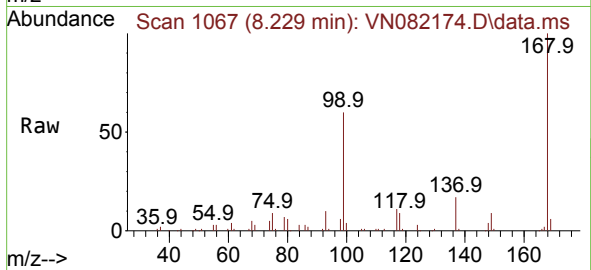
71 0.0 37.4 56.0#



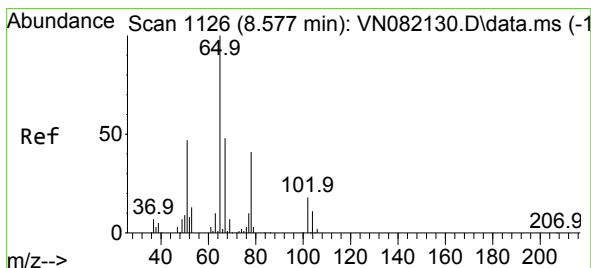
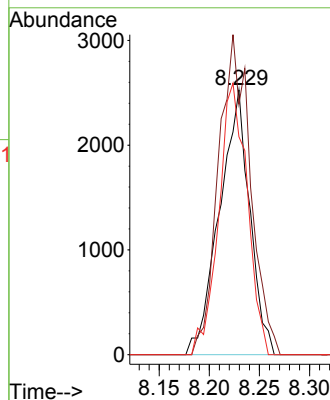
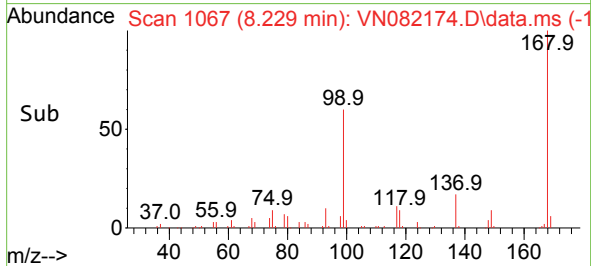


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Instrument :
MSVOA_N
ClientSampleId :
RT3823

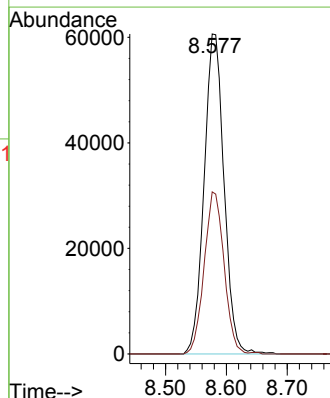
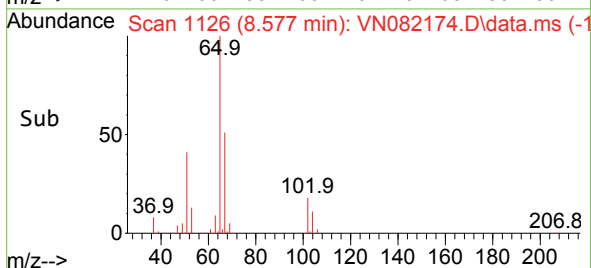
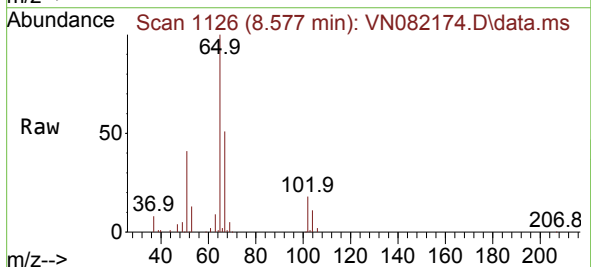


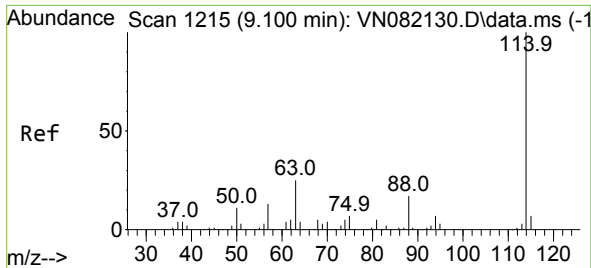
Tgt Ion: 56 Resp: 5309
Ion Ratio Lower Upper
56 100
69 94.5 24.4 36.6#
84 82.3 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 52.982 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Tgt Ion: 65 Resp: 137964
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082174.D

Acq: 16 May 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

RT3823

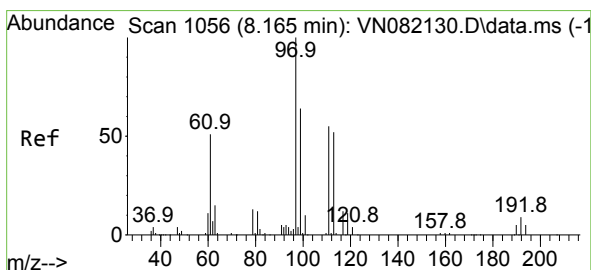
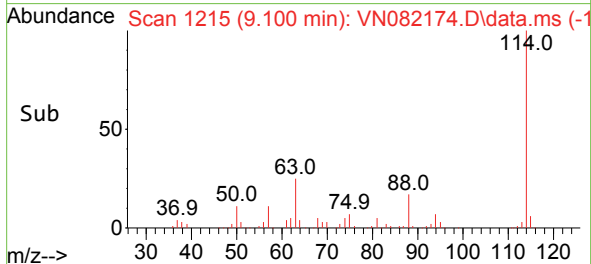
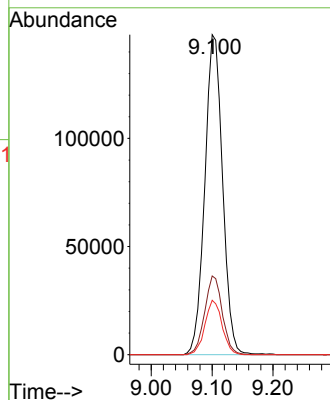
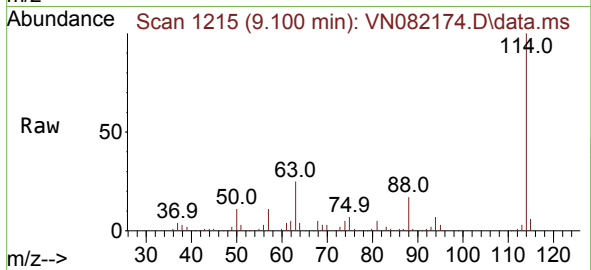
Tgt Ion:114 Resp: 300573

Ion Ratio Lower Upper

114 100

63 24.6 0.0 41.0

88 17.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.062 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082174.D

Acq: 16 May 2024 20:06

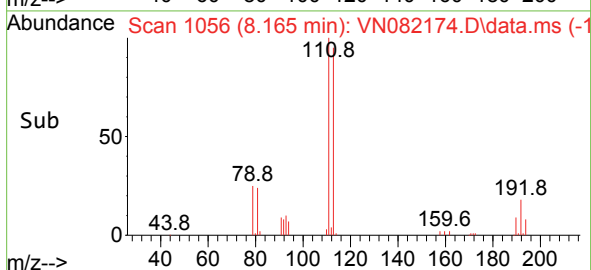
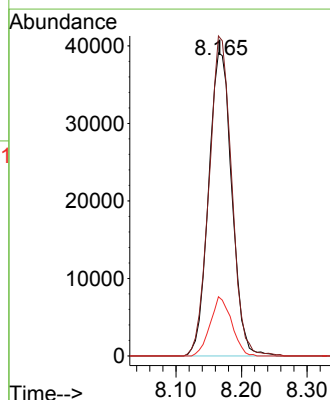
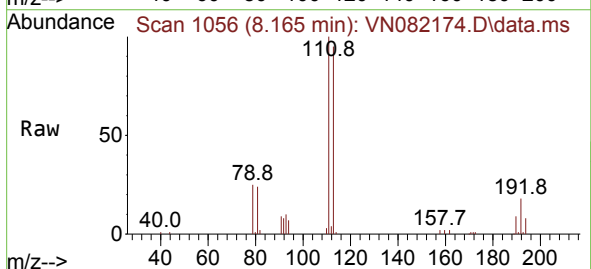
Tgt Ion:113 Resp: 96262

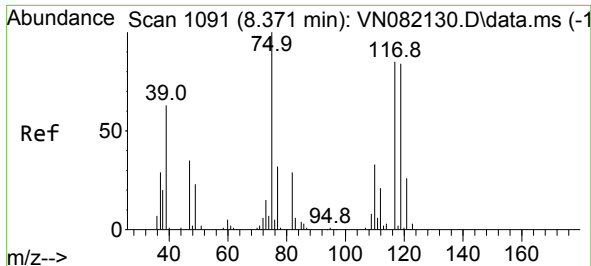
Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

192 18.0 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082174.D

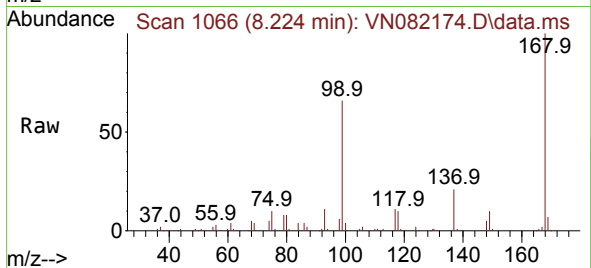
Acq: 16 May 2024 20:06

Instrument :

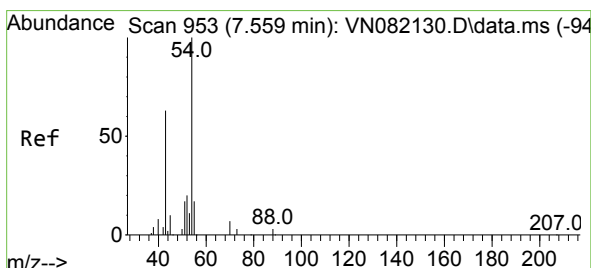
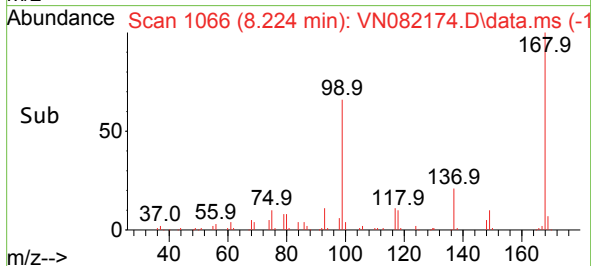
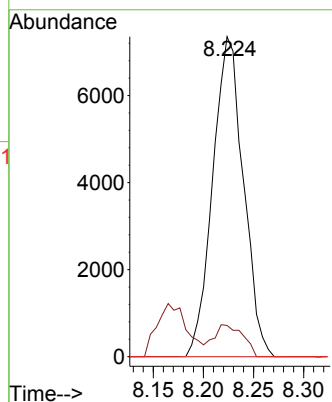
MSVOA_N

ClientSampleId :

RT3823



Tgt Ion:	75	Resp:	15628
Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.8	53.5#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.168 ug/l

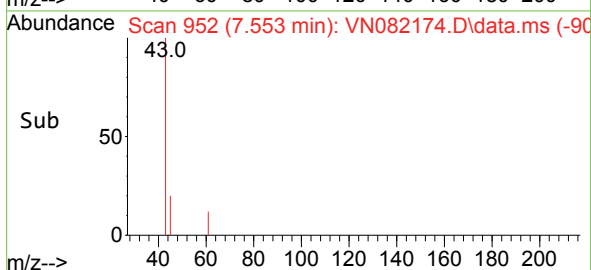
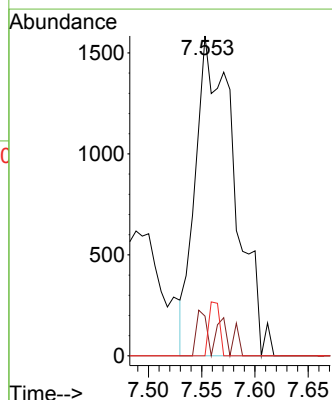
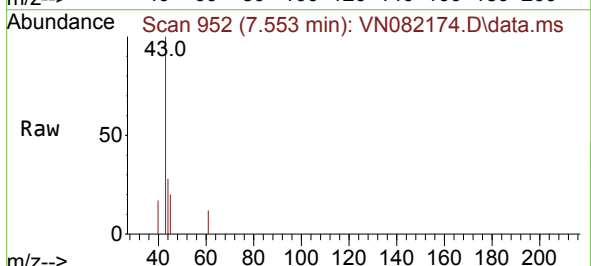
RT: 7.553 min Scan# 952

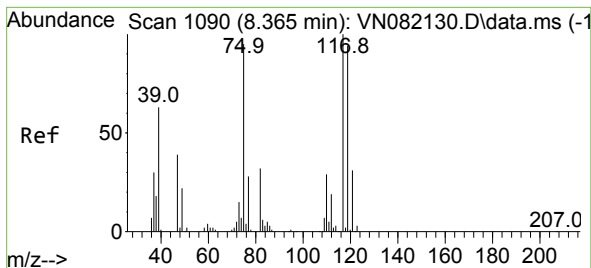
Delta R.T. -0.006 min

Lab File: VN082174.D

Acq: 16 May 2024 20:06

Tgt Ion:	43	Resp:	4053
Ion	Ratio	Lower	Upper
43	100		
61	3.7	11.3	16.9#
70	4.6	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN082174.D

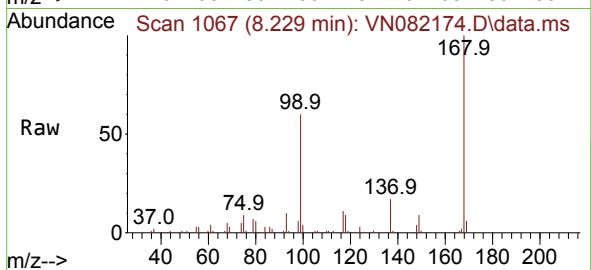
Acq: 16 May 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

RT3823



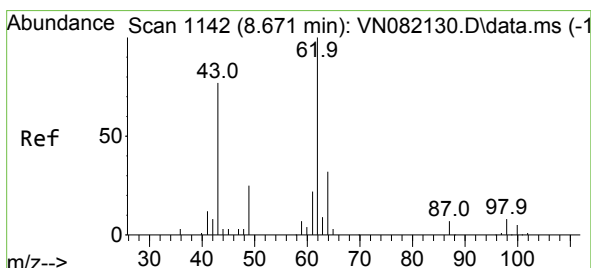
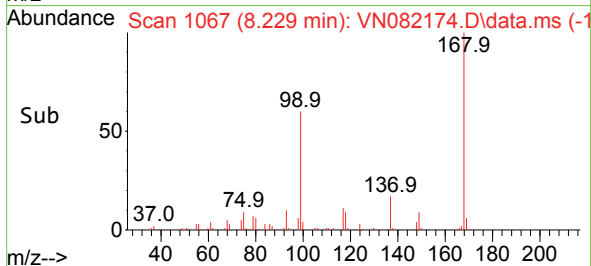
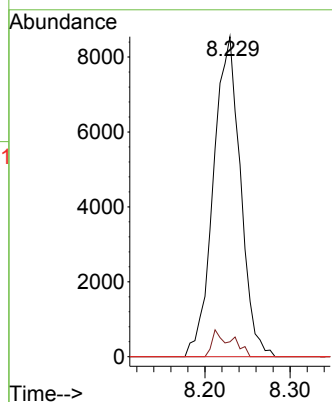
Tgt Ion:117 Resp: 18878

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.332 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082174.D

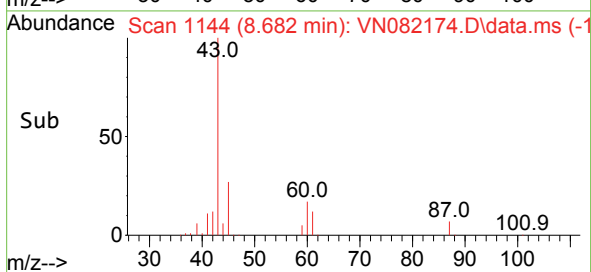
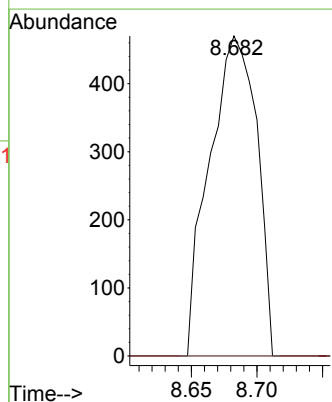
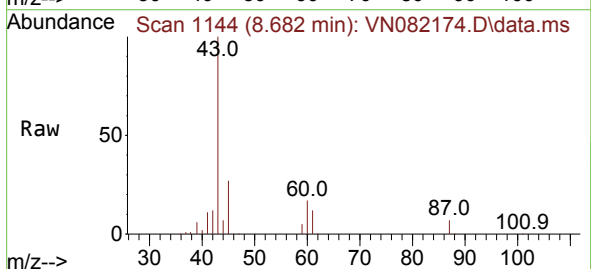
Acq: 16 May 2024 20:06

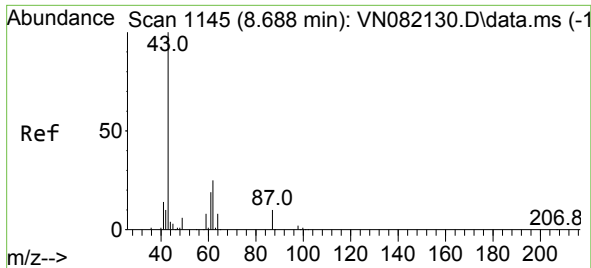
Tgt Ion: 62 Resp: 1182

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

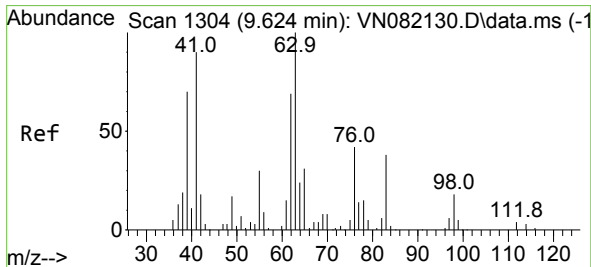
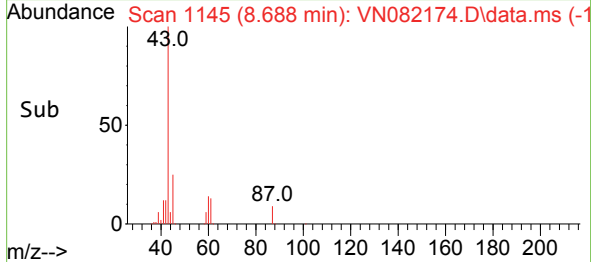
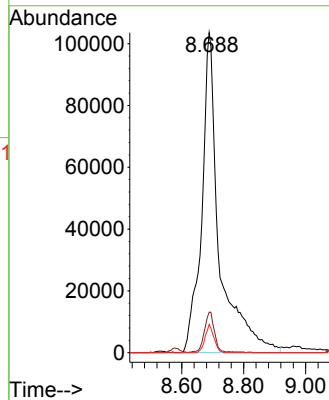
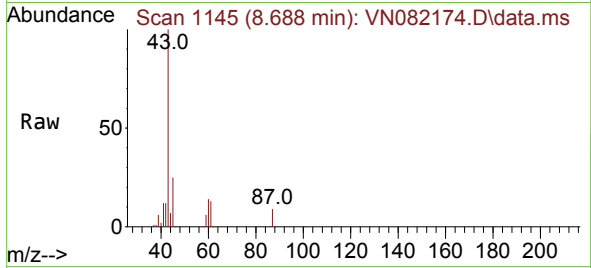




#43
Isopropyl Acetate
Concen: 66.899 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

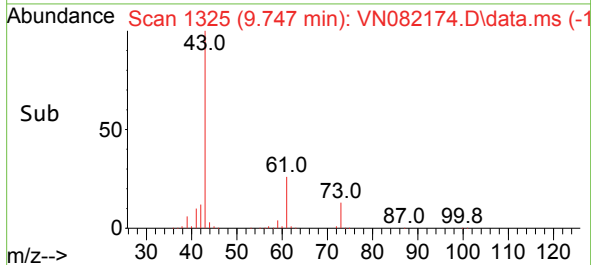
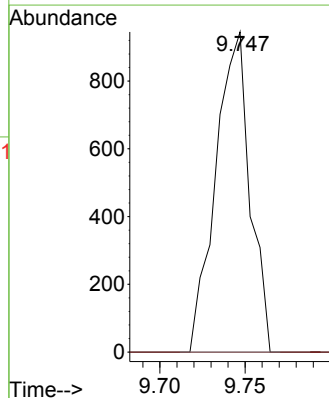
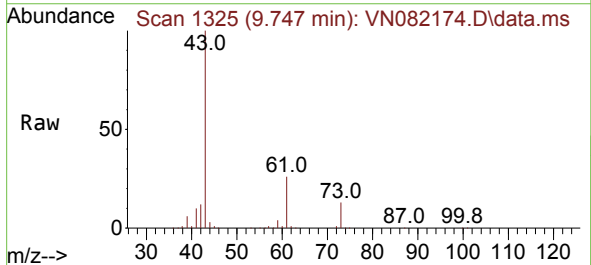
Instrument :
MSVOA_N
ClientSampleId :
RT3823

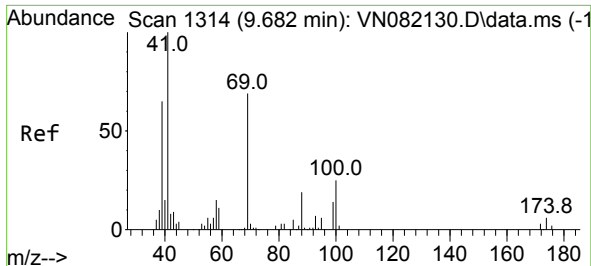
Tgt Ion: 43 Resp: 411390
Ion Ratio Lower Upper
43 100
61 7.2 22.8 34.2#
87 4.3 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.553 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Tgt Ion: 63 Resp: 1320
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

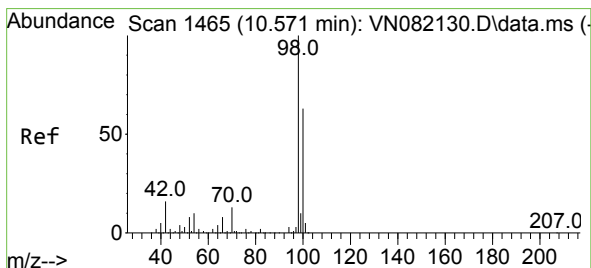
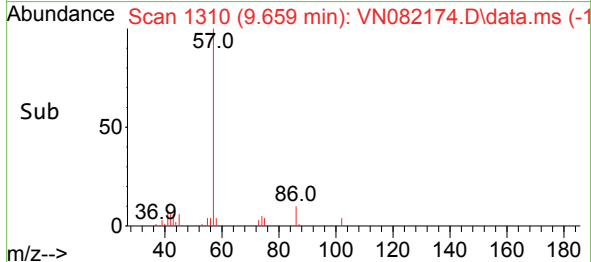
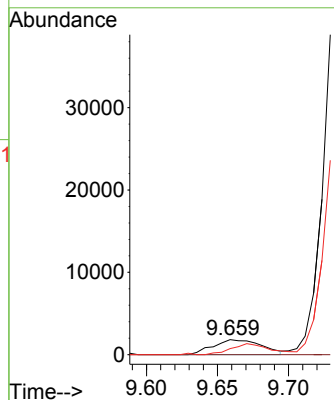
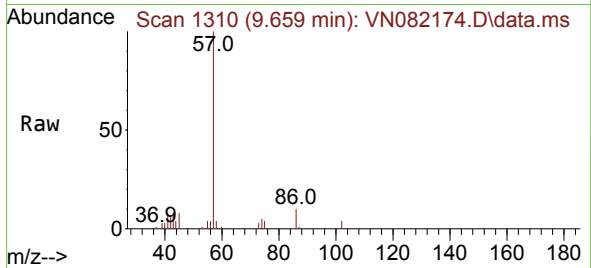




#48
Methyl methacrylate
Concen: 1.480 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

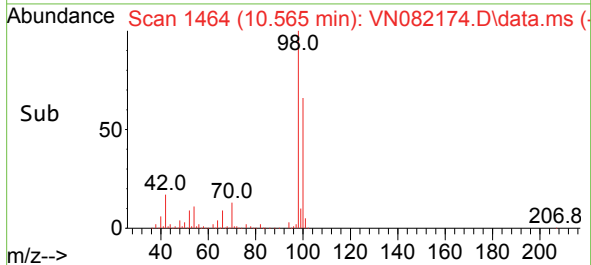
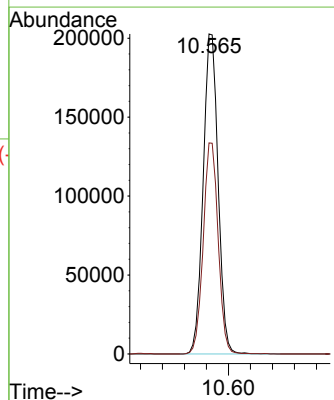
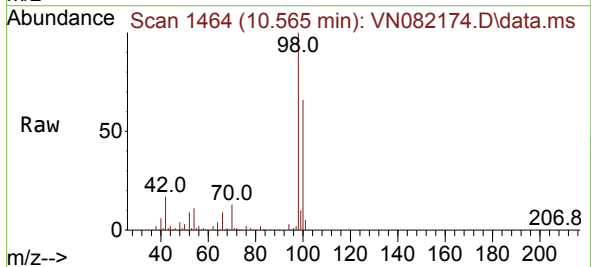
Instrument :
MSVOA_N
ClientSampleId :
RT3823

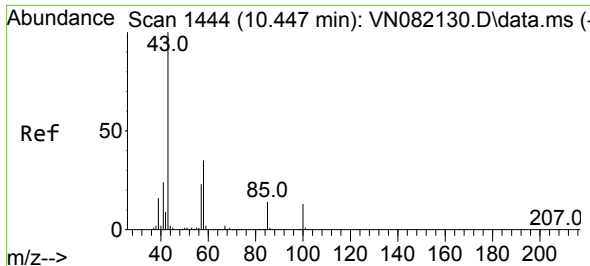
Tgt Ion: 41 Resp: 4336
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 57.2 50.9 76.3



#50
Toluene-d8
Concen: 53.872 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Tgt Ion: 98 Resp: 381890
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.6

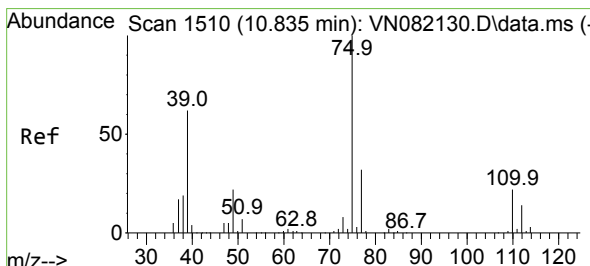
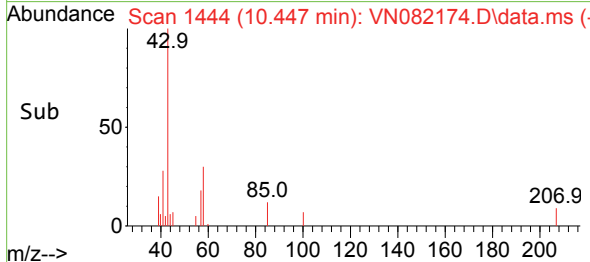
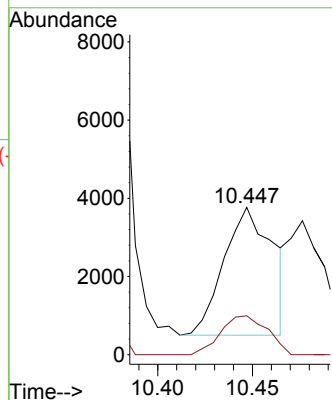
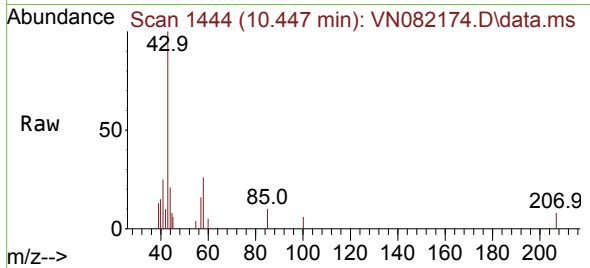




#51
4-Methyl-2-Pentanone
Concen: 1.685 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

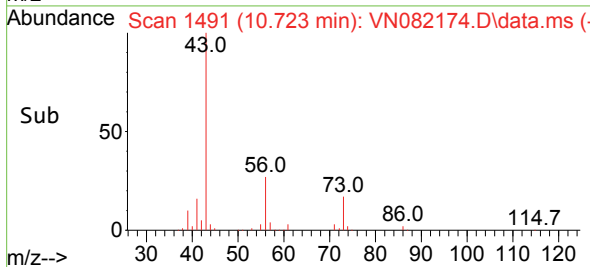
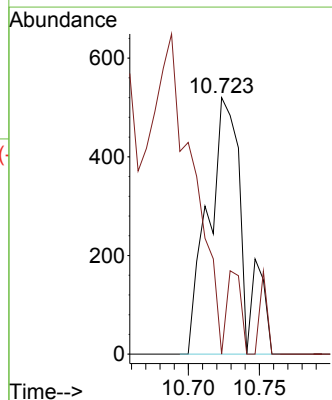
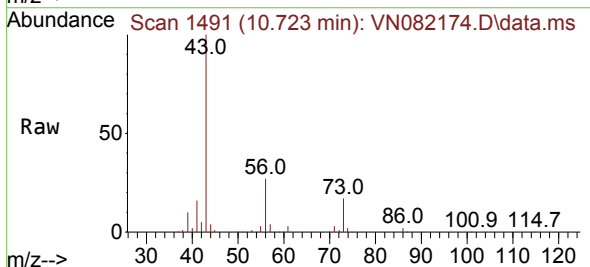
Instrument :
MSVOA_N
ClientSampleId :
RT3823

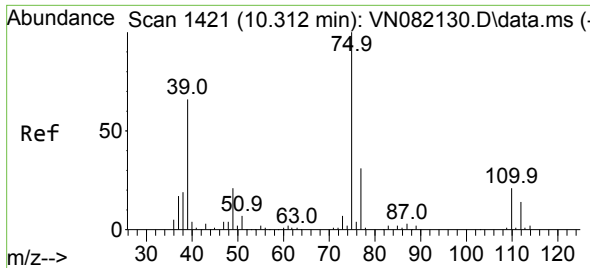
Tgt Ion: 43 Resp: 5887
Ion Ratio Lower Upper
43 100
58 29.0 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.258 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Tgt Ion: 75 Resp: 882
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

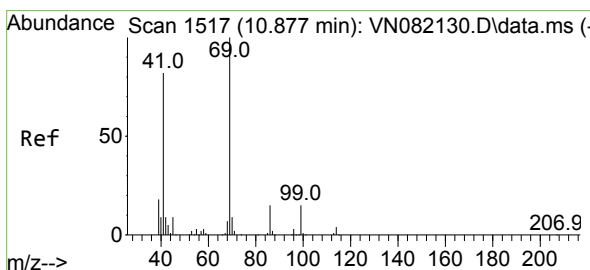
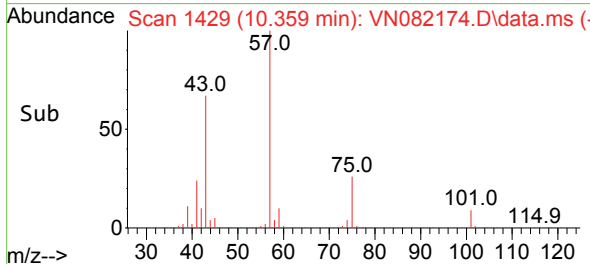
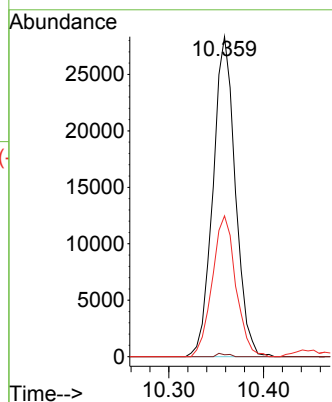
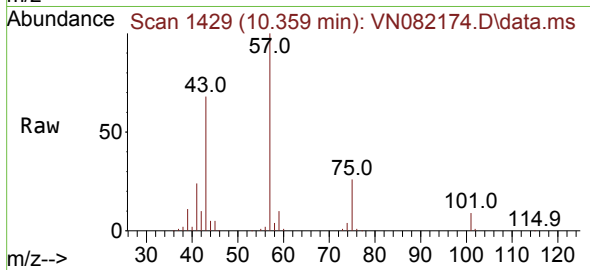




#54
 cis-1,3-Dichloropropene
 Concen: 12.838 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082174.D
 Acq: 16 May 2024 20:06

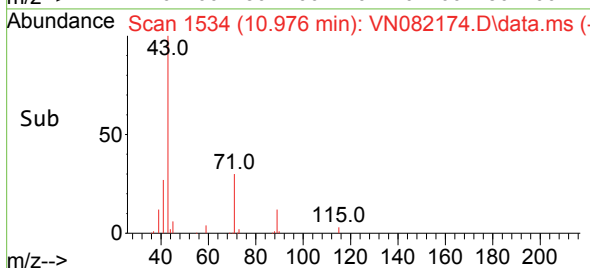
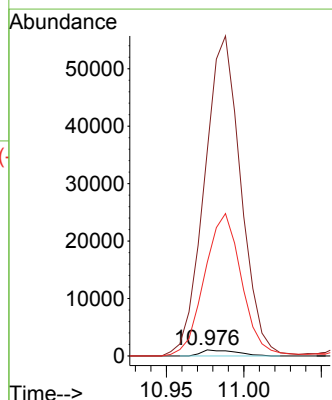
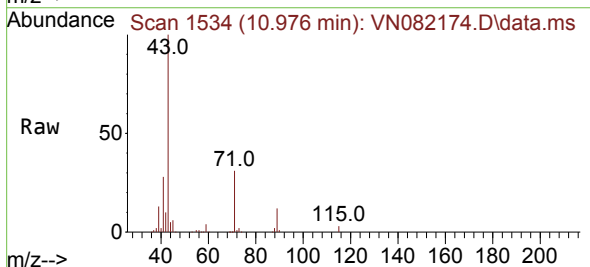
Instrument :
 MSVOA_N
 ClientSampleId :
 RT3823

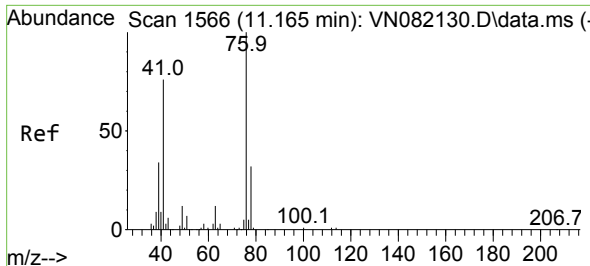
Tgt Ion: 75 Resp: 46475
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 44.0 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.488 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN082174.D
 Acq: 16 May 2024 20:06

Tgt Ion: 69 Resp: 1672
 Ion Ratio Lower Upper
 69 100
 41 5450.1 46.6 70.0#
 39 2481.3 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.572 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082174.D

Acq: 16 May 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

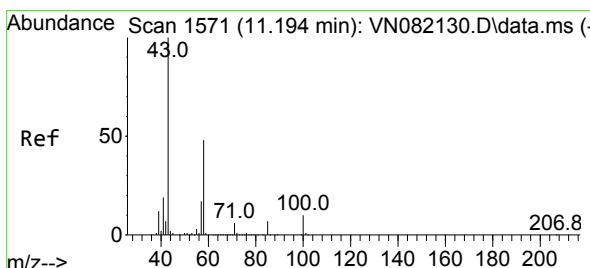
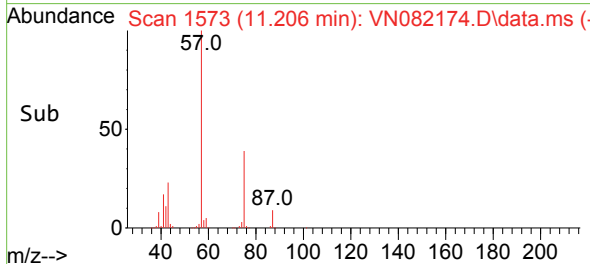
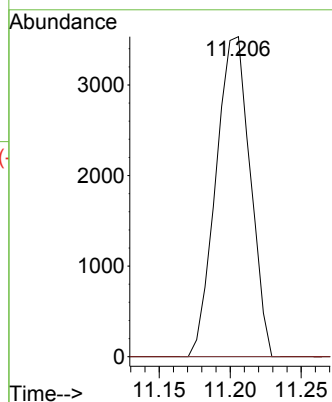
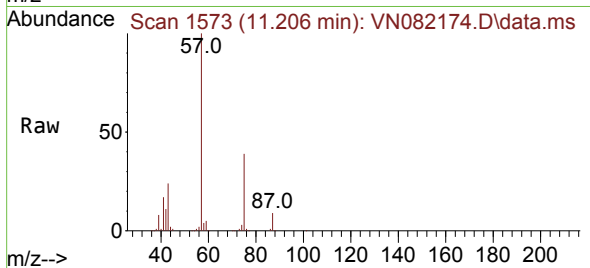
RT3823

Tgt Ion: 76 Resp: 5929

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 37.010 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN082174.D

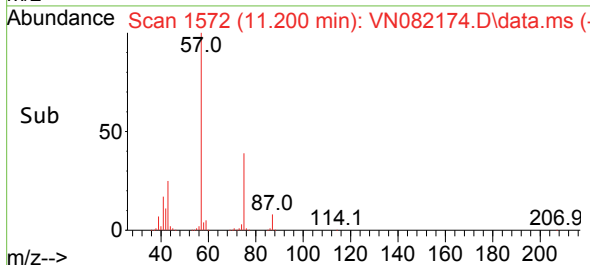
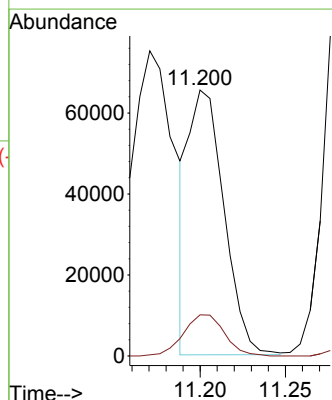
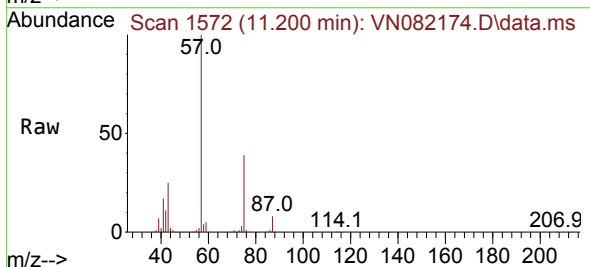
Acq: 16 May 2024 20:06

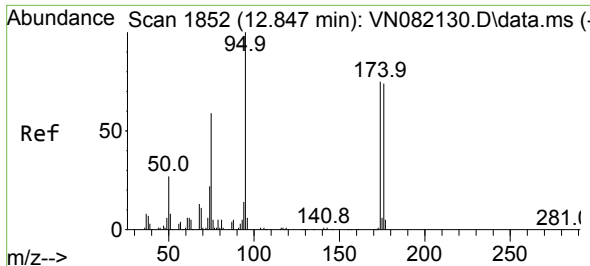
Tgt Ion: 43 Resp: 94682

Ion Ratio Lower Upper

43 100

58 18.1 28.3 84.9#

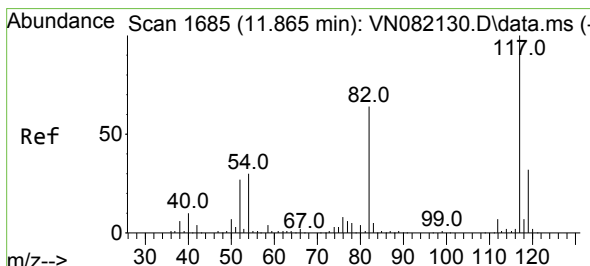
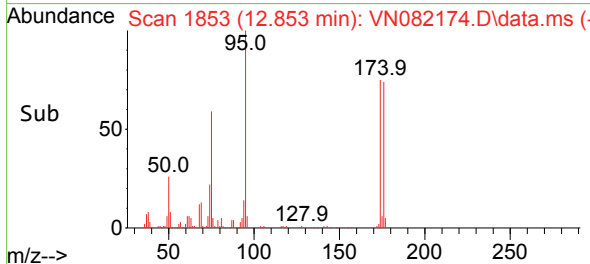
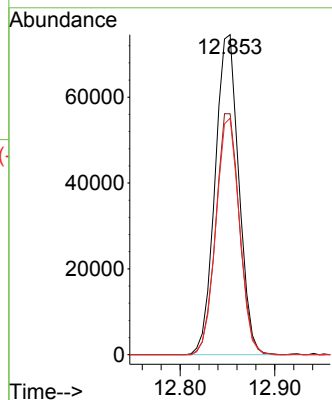
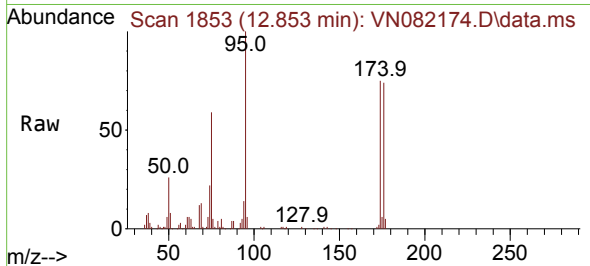




#62
4-Bromofluorobenzene
Concen: 51.269 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

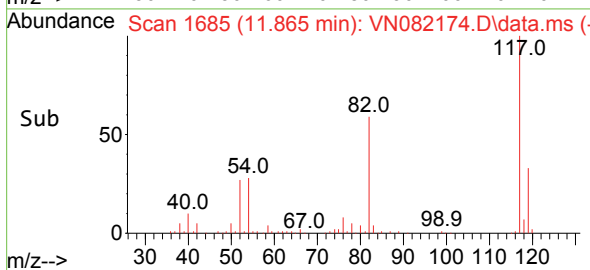
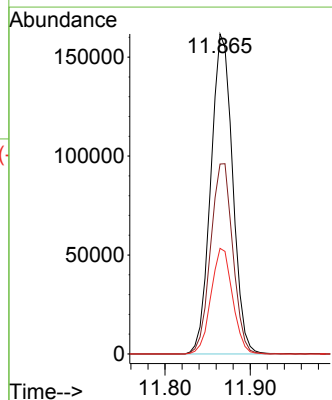
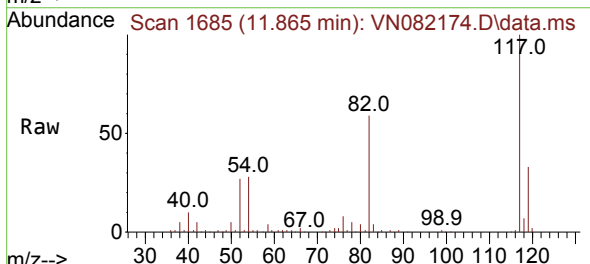
Instrument :
MSVOA_N
ClientSampleId :
RT3823

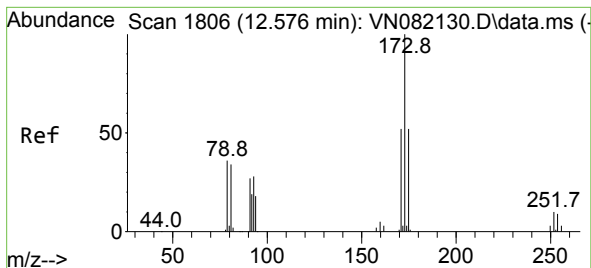
Tgt Ion: 95 Resp: 129721
Ion Ratio Lower Upper
95 100
174 75.2 0.0 160.6
176 73.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Tgt Ion: 117 Resp: 287606
Ion Ratio Lower Upper
117 100
82 59.4 44.6 66.8
119 33.0 25.9 38.9





#71

Bromoform

Concen: 0.571 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN082174.D

Acq: 16 May 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

RT3823

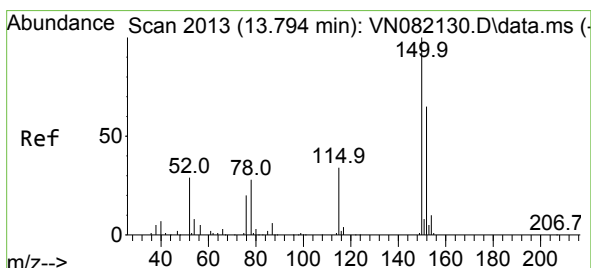
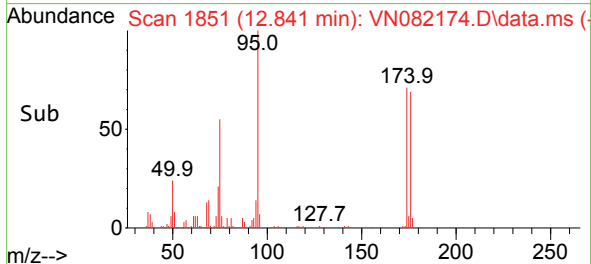
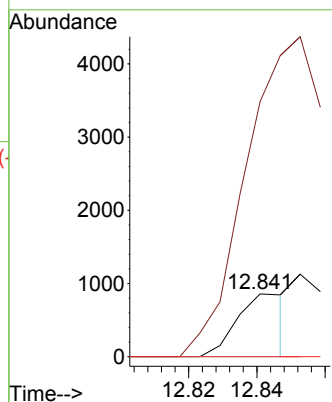
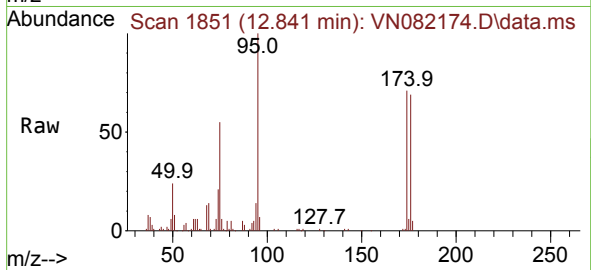
Tgt Ion:173 Resp: 859

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082174.D

Acq: 16 May 2024 20:06

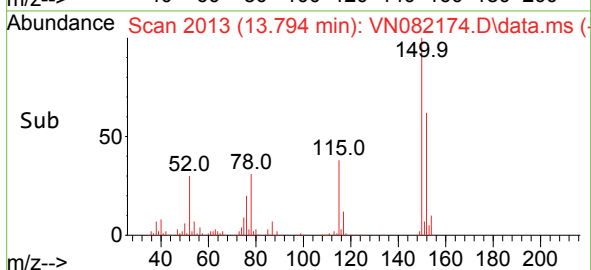
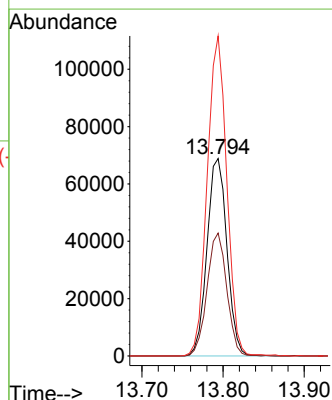
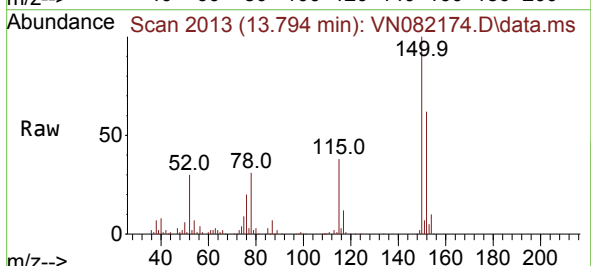
Tgt Ion:152 Resp: 117453

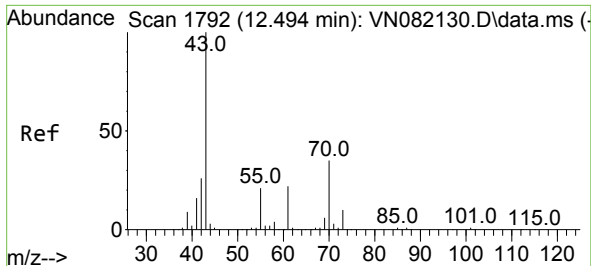
Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.3

150 158.7 0.0 353.2

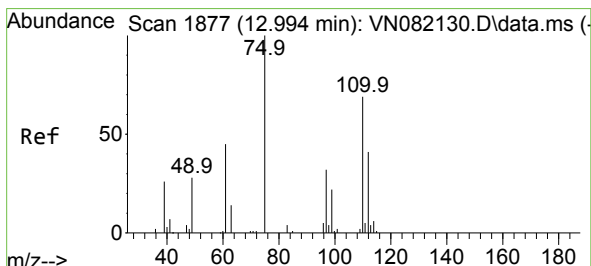
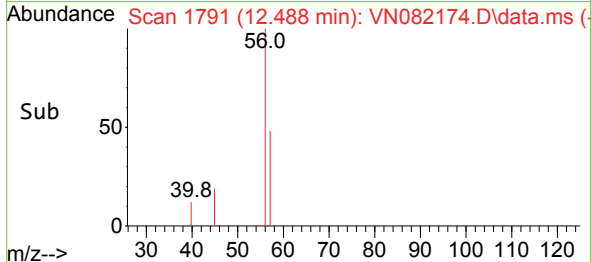
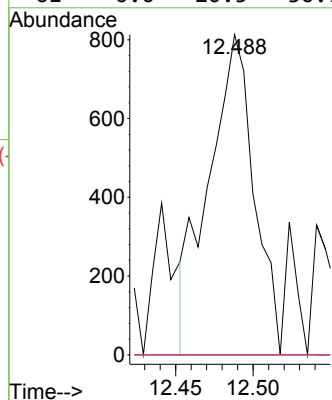
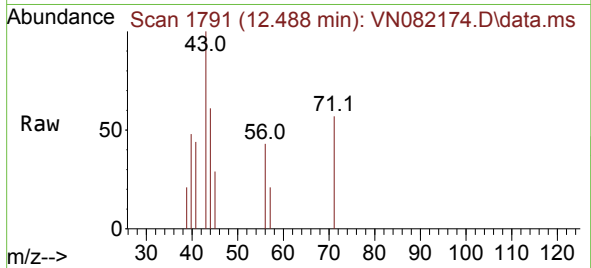




#74
N-amy1 acetate
Concen: 0.323 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

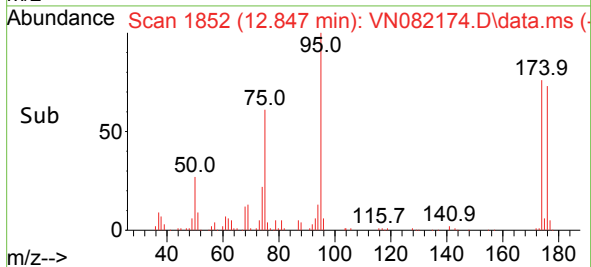
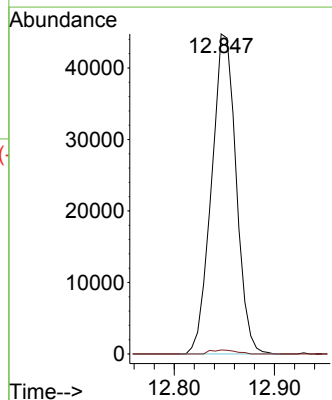
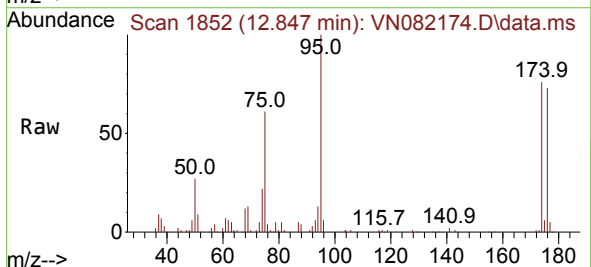
Instrument :
MSVOA_N
ClientSampleId :
RT3823

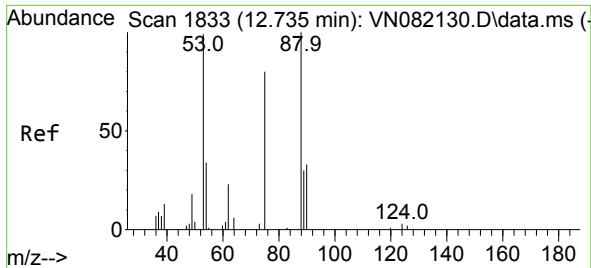
Tgt Ion: 43	Resp: 1659
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	0.0 21.3 31.9#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.888 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

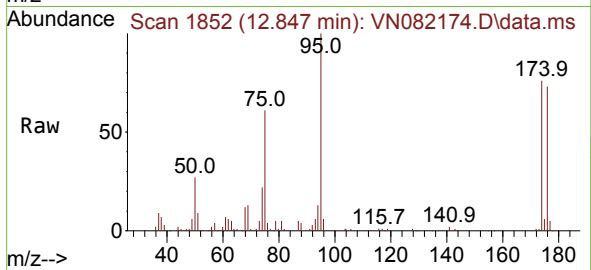
Tgt Ion: 75	Resp: 76358
Ion Ratio	Lower Upper
75	100
77	1.3 90.5 271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.245 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082174.D
Acq: 16 May 2024 20:06

Instrument :
MSVOA_N
ClientSampleId :
RT3823



Tgt Ion: 75 Resp: 76358
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

