

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082051.D
 Acq On : 09 May 2024 15:22
 Operator : JC\MD
 Sample : PB160759ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:52:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

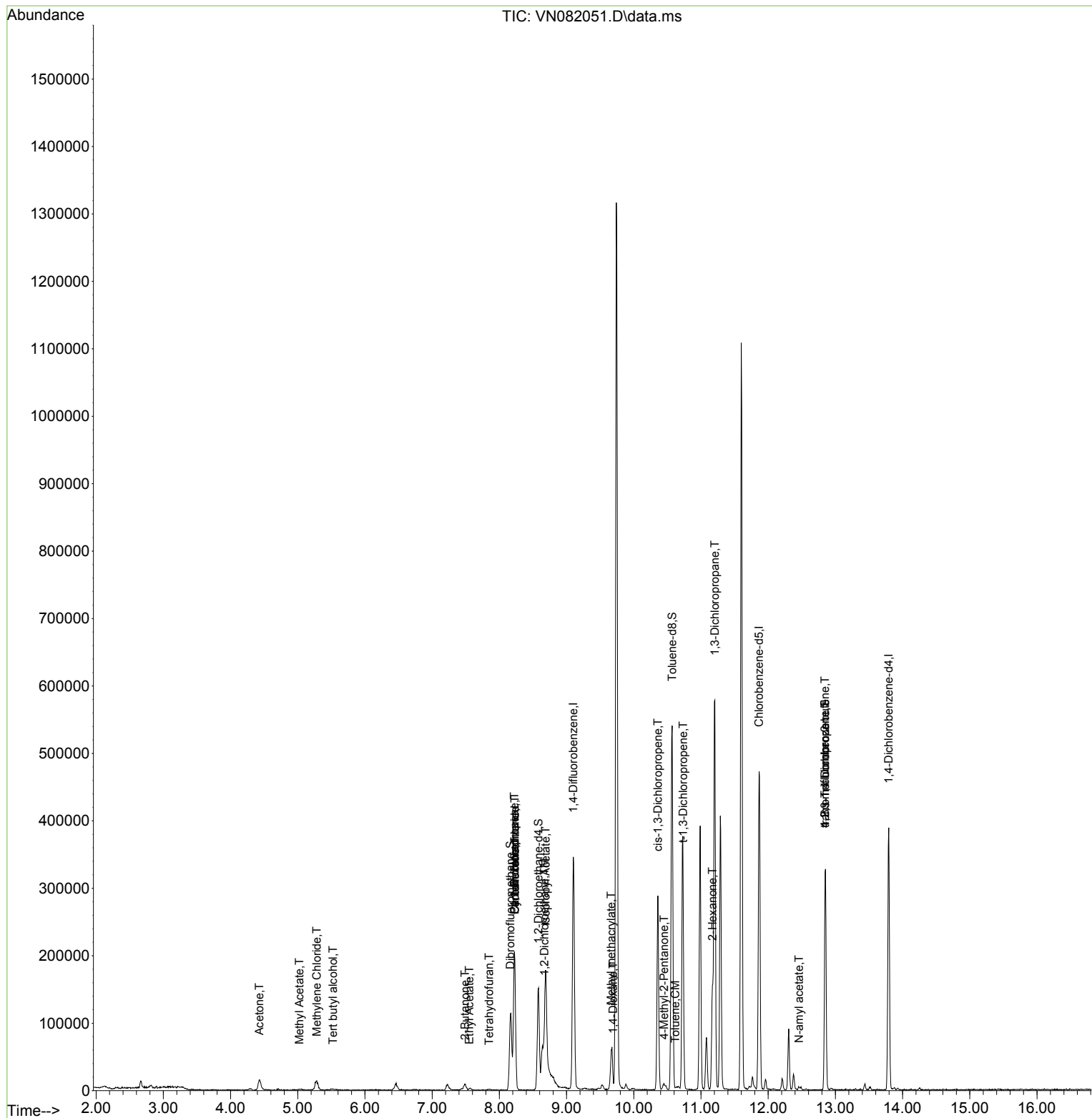
Internal Standards						
1) Pentafluorobenzene	8.229	168	131203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	112383	50.752	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.500%			
35) Dibromofluoromethane	8.165	113	83373	50.301	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	10.571	98	360089	55.316	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.640%			
62) 4-Bromofluorobenzene	12.847	95	116593	45.309	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.620%			
Target Compounds						Qvalue
5) Bromomethane	2.953	94	232	Below Cal	#	3
11) Tert butyl alcohol	5.524	59	2573	6.392	ug/l #	89
13) Acrolein	4.183	56	119	Below Cal	#	15
16) Acetone	4.430	43	28718	39.248	ug/l	100
18) Methyl Acetate	5.024	43	1876	0.836	ug/l #	55
20) Methylene Chloride	5.283	84	10368	5.463	ug/l #	78
25) 2-Butanone	7.488	43	14799	11.775	ug/l #	70
29) Tetrahydrofuran	7.847	42	377	0.418	ug/l #	51
31) Cyclohexane	8.229	56	4250	1.274	ug/l #	65
36) 1,1-Dichloropropene	8.224	75	14216	5.272	ug/l #	44
37) Ethyl Acetate	7.553	43	5011	1.719	ug/l #	84
38) Carbon Tetrachloride	8.229	117	16255	6.168	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	1249	0.416	ug/l #	73
43) Isopropyl Acetate	8.688	43	280521	51.172	ug/l #	72
48) Methyl methacrylate	9.665	41	5278	2.017	ug/l #	36
49) 1,4-Dioxane	9.694	88	106	2.665	ug/l #	28
51) 4-Methyl-2-Pentanone	10.453	43	5727	1.856	ug/l	95
52) Toluene	10.618	92	1077	0.222	ug/l	98
53) t-1,3-Dichloropropene	10.735	75	866	0.258	ug/l #	88
54) cis-1,3-Dichloropropene	10.359	75	50187	14.492	ug/l #	68
57) 1,3-Dichloropropane	11.206	76	5324	1.571	ug/l #	44
59) 2-Hexanone	11.170	43	128071	55.765	ug/l #	23
74) N-amyl acetate	12.459	43	3992	0.886	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	65079	27.572	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65079	56.498	ug/l #	13

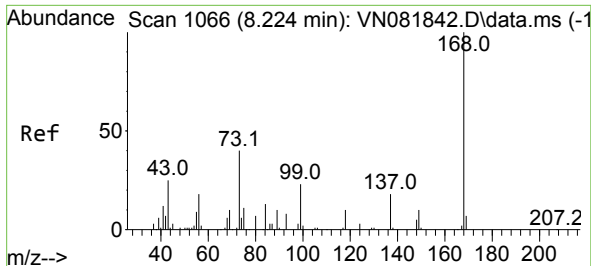
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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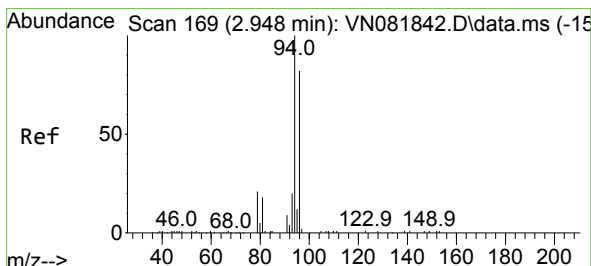
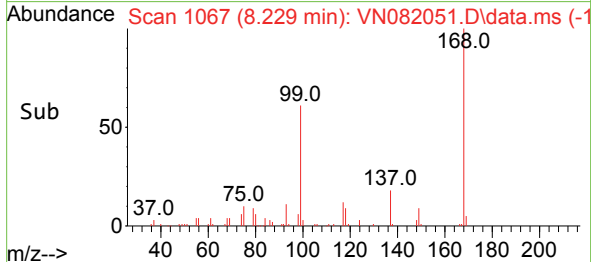
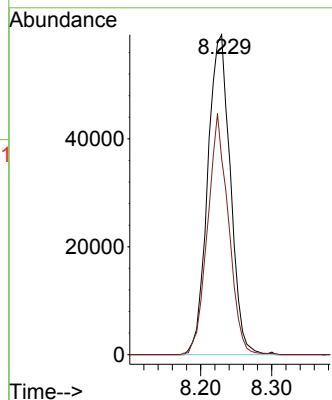
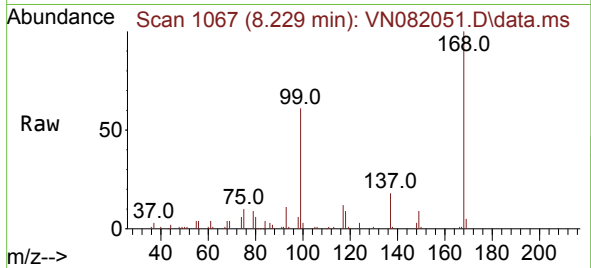




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

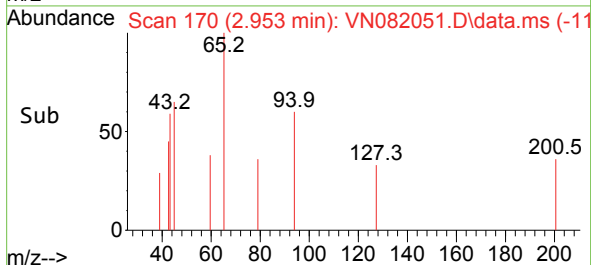
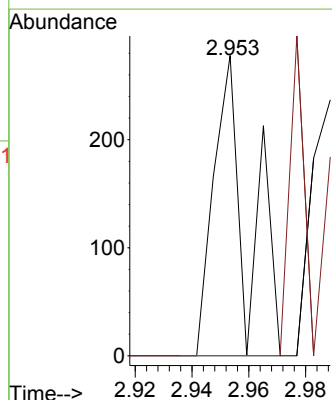
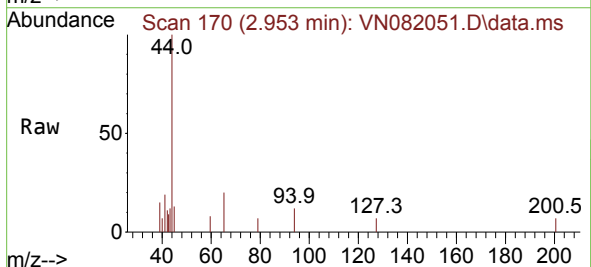
Instrument :
MSVOA_N
ClientSampleId :

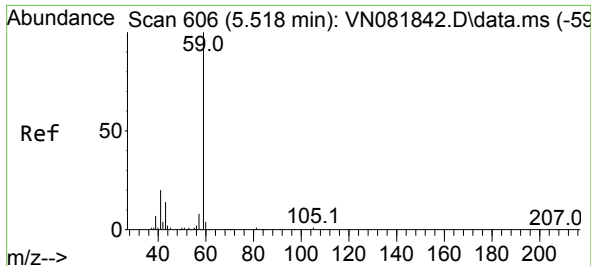
Tgt Ion:168 Resp: 131203
Ion Ratio Lower Upper
168 100
99 61.3 48.2 72.4



#5
Bromomethane
Concen: Below Cal
RT: 2.953 min Scan# 170
Delta R.T. 0.005 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#





#11

Tert butyl alcohol

Concen: 6.392 ug/l

RT: 5.524 min Scan# 606

Delta R.T. 0.006 min

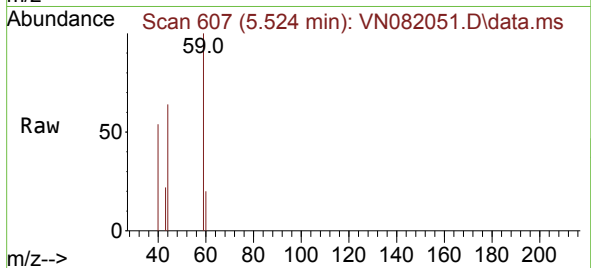
Lab File: VN082051.D

Acq: 09 May 2024 15:22

Instrument :

MSVOA_N

ClientSampleId :

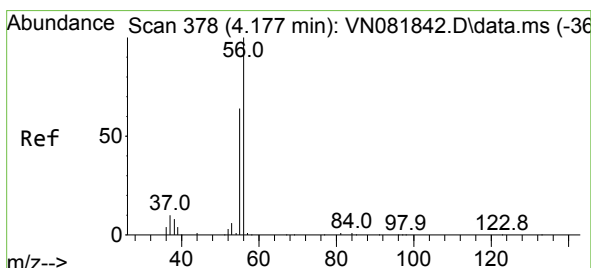
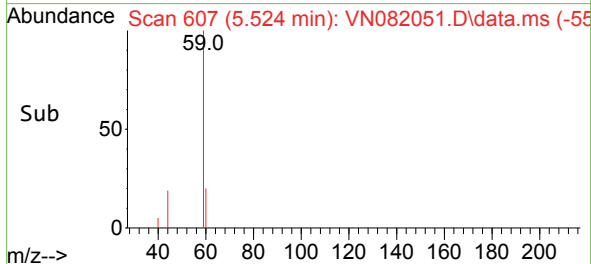
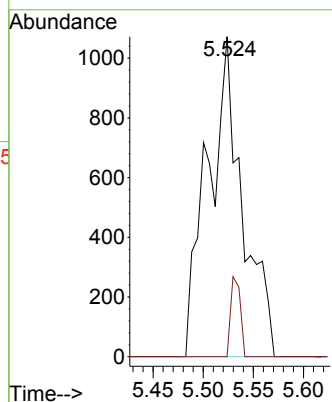


Tgt Ion: 59 Resp: 2573

Ion Ratio Lower Upper

59 100

57 6.8 8.9 13.3#



#13

Acrolein

Concen: Below Cal

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN082051.D

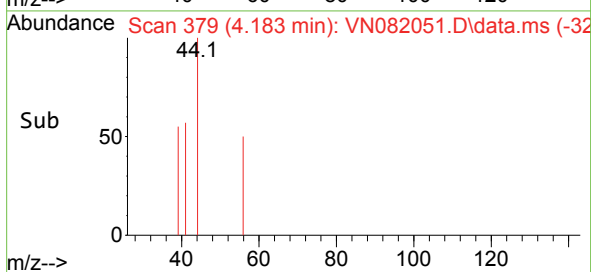
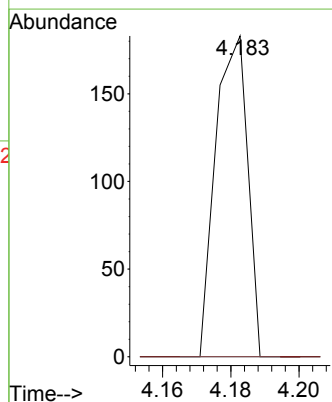
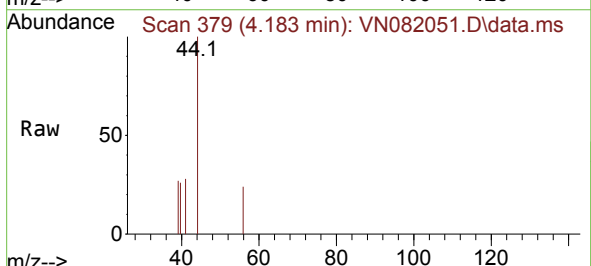
Acq: 09 May 2024 15:22

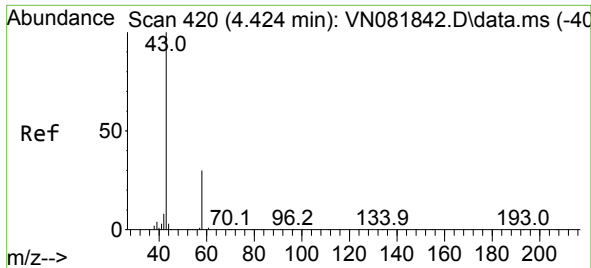
Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#

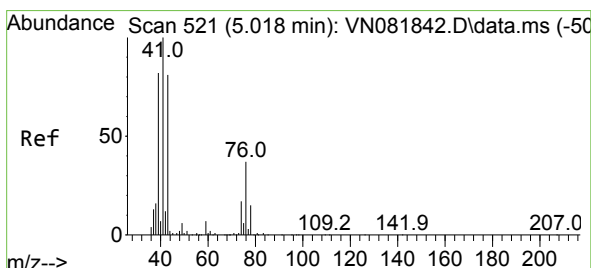
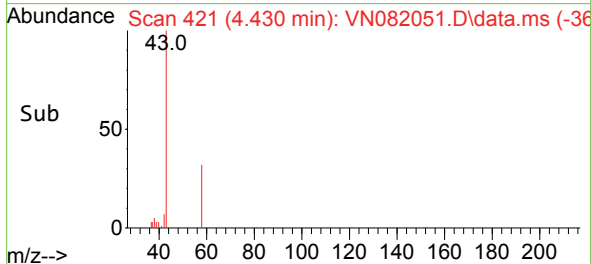
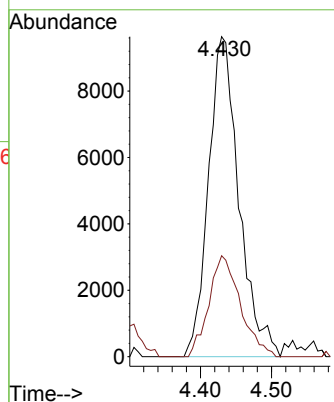
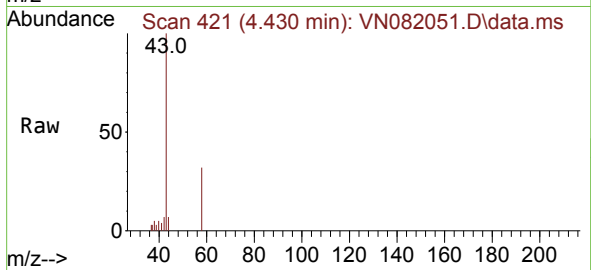




#16
Acetone
Concen: 39.248 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

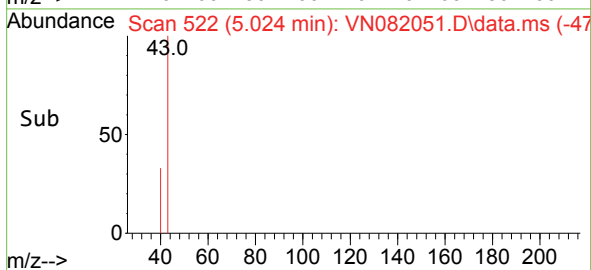
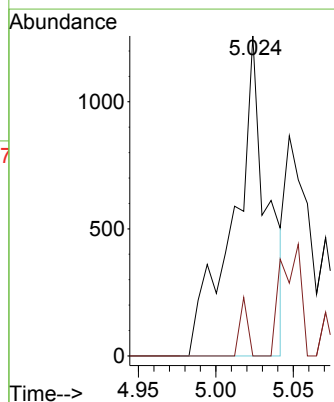
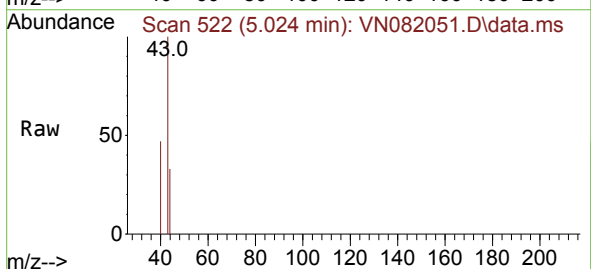
Instrument :
MSVOA_N
ClientSampleId :

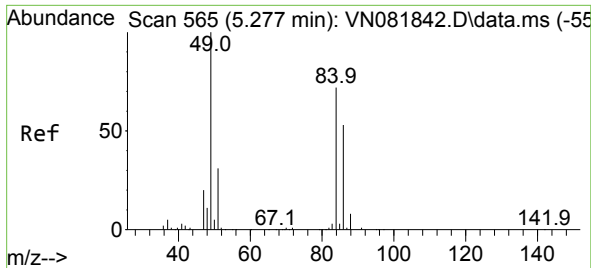
Tgt Ion: 43 Resp: 28718
Ion Ratio Lower Upper
43 100
58 31.5 25.2 37.8



#18
Methyl Acetate
Concen: 0.836 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

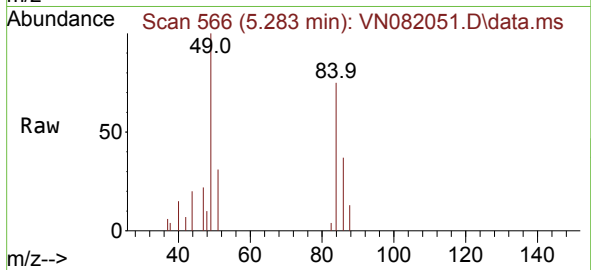
Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
74 4.3 22.2 33.2#



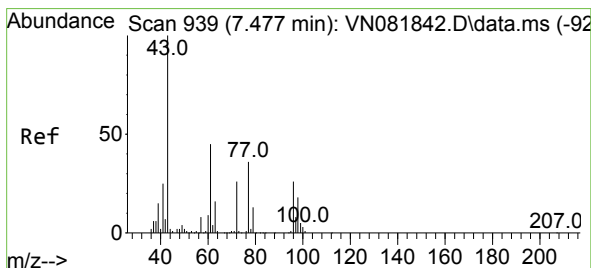
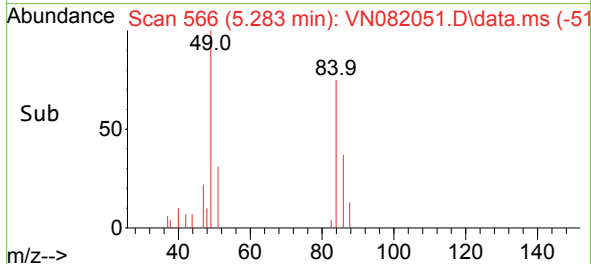
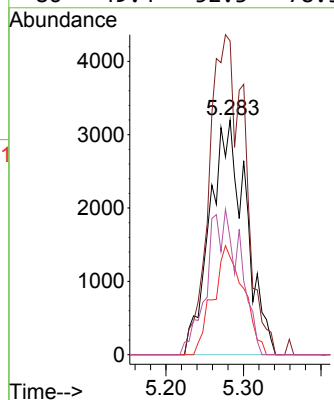


#20
Methylene Chloride
Concen: 5.463 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

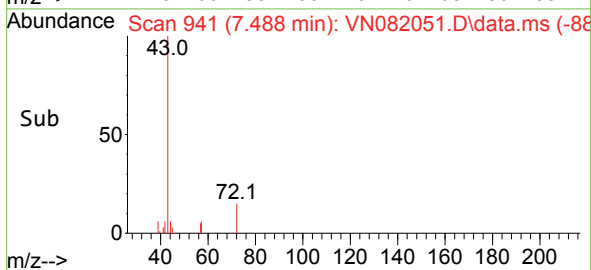
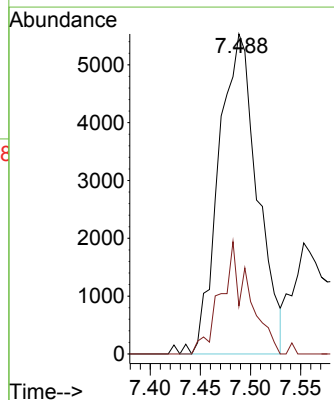
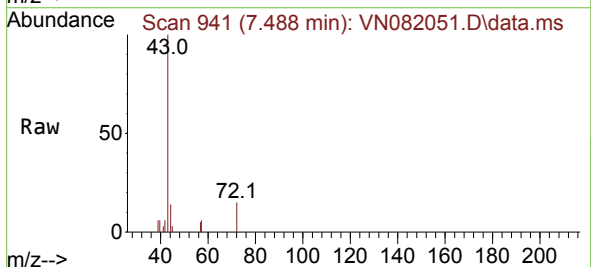


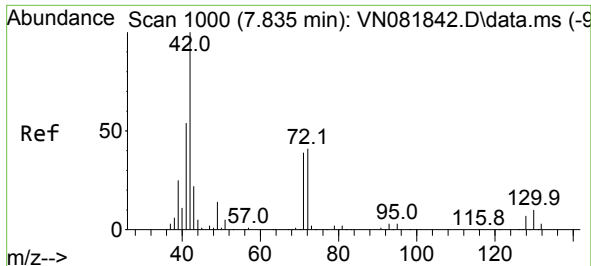
Tgt Ion: 84 Resp: 10368
Ion Ratio Lower Upper
84 100
49 133.7 84.9 127.3#
51 41.5 27.0 40.6#
86 49.4 52.3 78.5#



#25
2-Butanone
Concen: 11.775 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

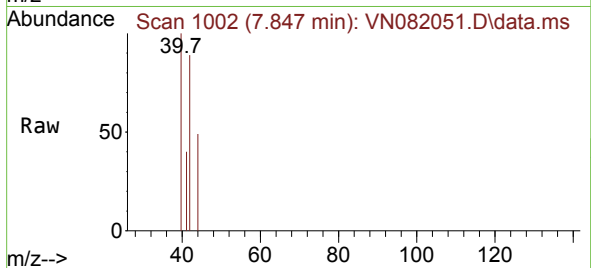
Tgt Ion: 43 Resp: 14799
Ion Ratio Lower Upper
43 100
72 15.0 25.3 37.9#



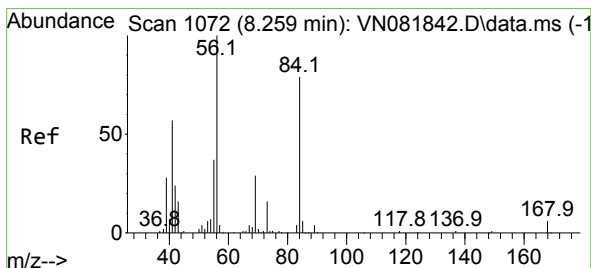
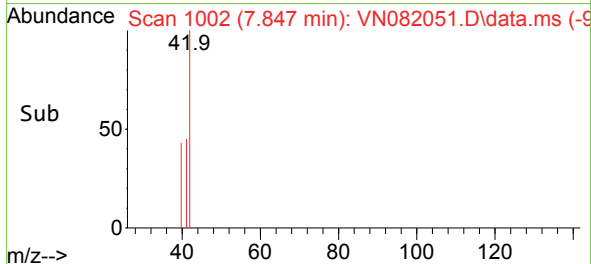
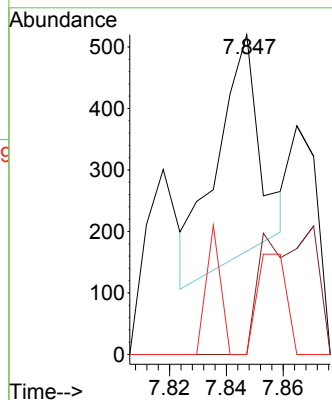


#29
Tetrahydrofuran
Concen: 0.418 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

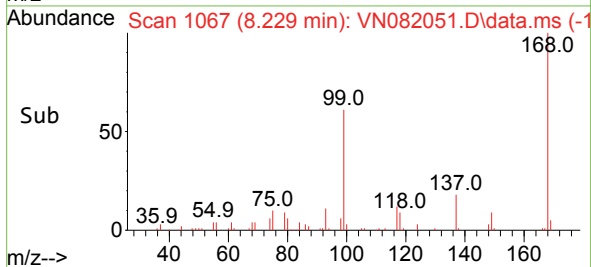
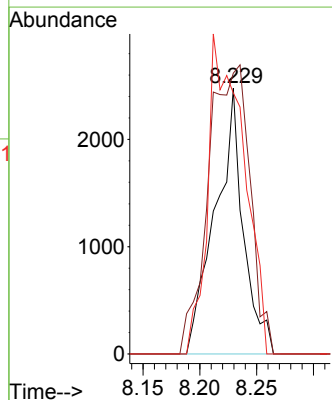
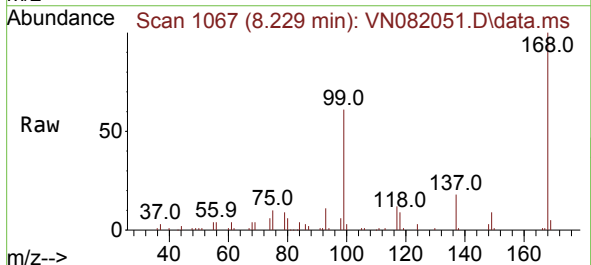


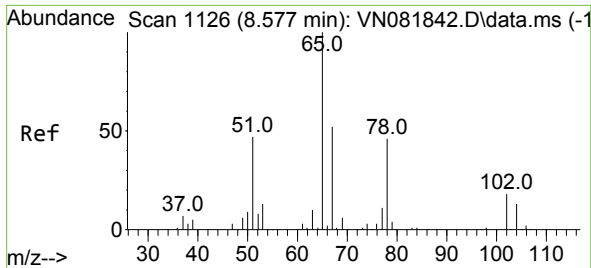
Tgt Ion: 42 Resp: 377
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 30.5 37.4 56.0#



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

Tgt Ion: 56 Resp: 4250
Ion Ratio Lower Upper
56 100
69 105.7 24.4 36.6#
84 98.3 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 50.752 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

Instrument :

MSVOA_N

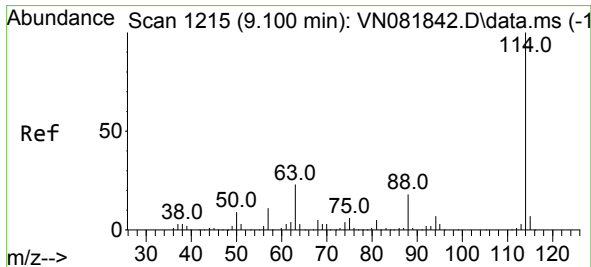
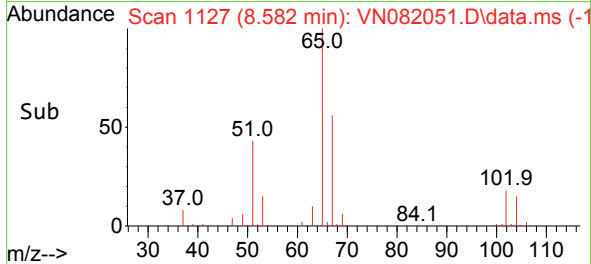
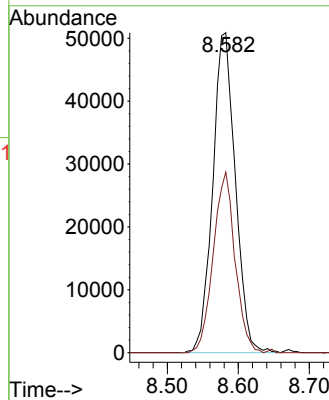
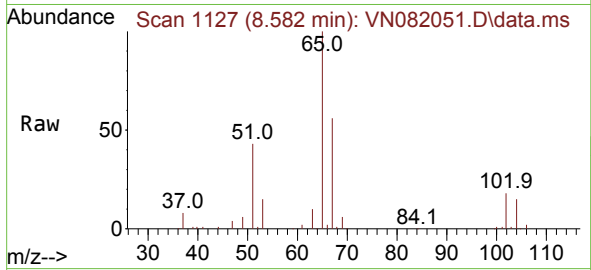
ClientSampleId :

Tgt Ion: 65 Resp: 112383

Ion Ratio Lower Upper

65 100

67 54.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

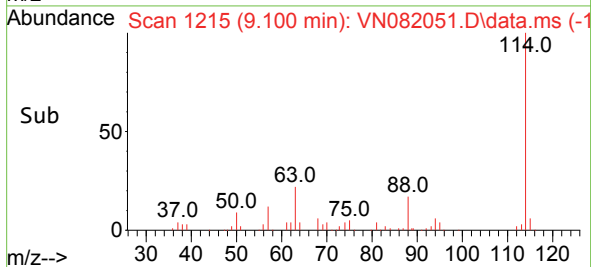
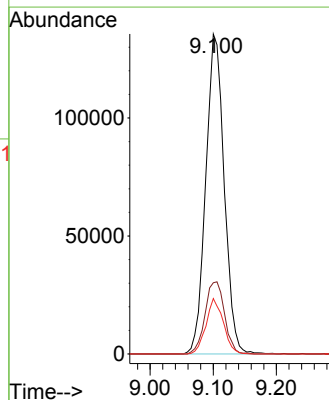
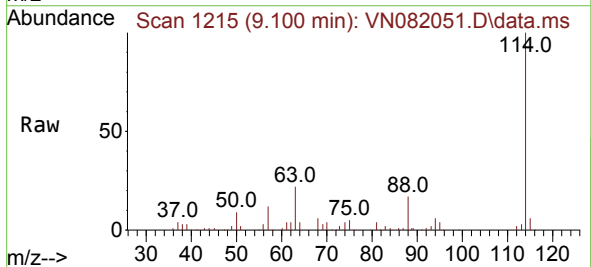
Tgt Ion: 114 Resp: 275289

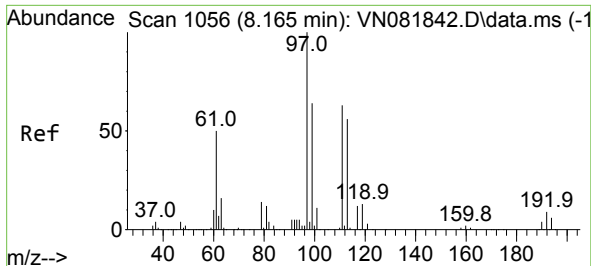
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.0

88 17.3 0.0 31.4

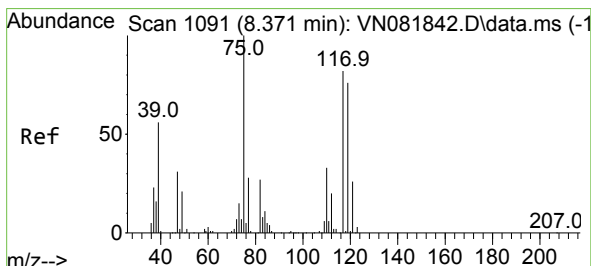
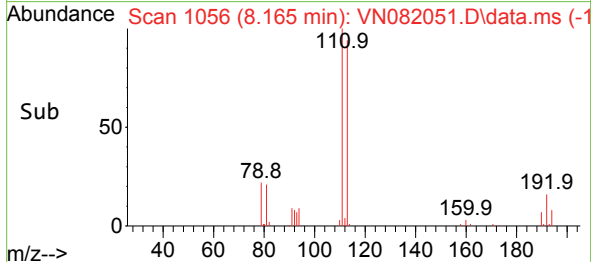
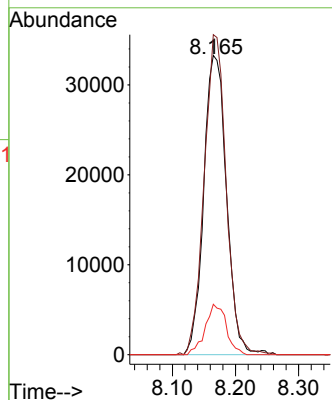
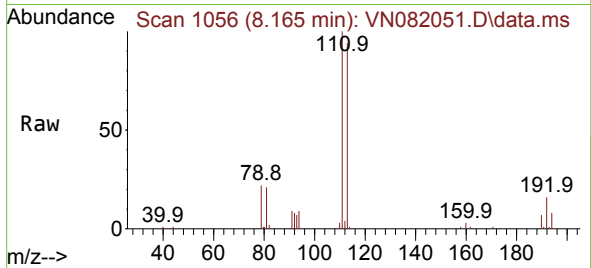




#35
 Dibromofluoromethane
 Concen: 50.301 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN082051.D
 Acq: 09 May 2024 15:22

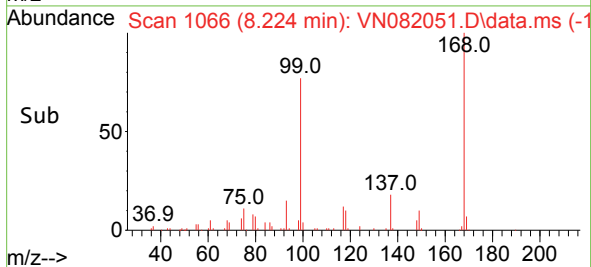
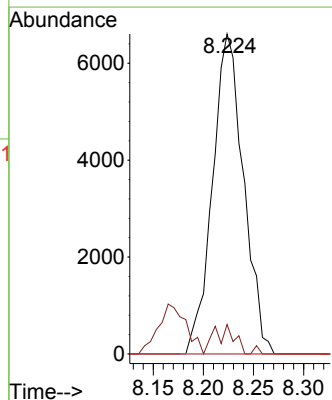
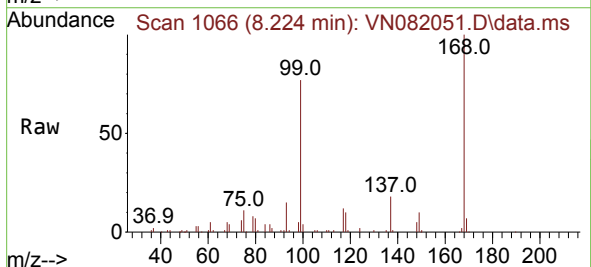
Instrument :
 MSVOA_N
 ClientSampleId :

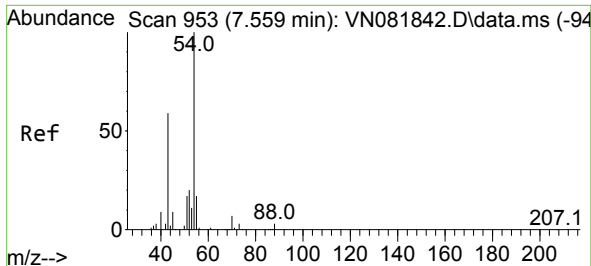
Tgt Ion:113 Resp: 83373
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.4 125.2
 192 15.6 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 5.272 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN082051.D
 Acq: 09 May 2024 15:22

Tgt Ion: 75 Resp: 14216
 Ion Ratio Lower Upper
 75 100
 110 2.7 17.8 53.5#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.719 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

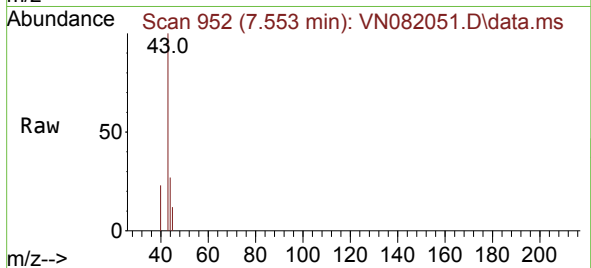
Lab File: VN082051.D

Acq: 09 May 2024 15:22

Instrument :

MSVOA_N

ClientSampleId :



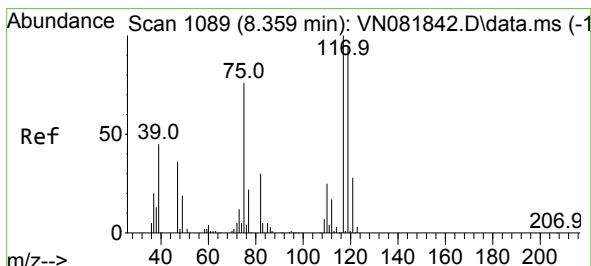
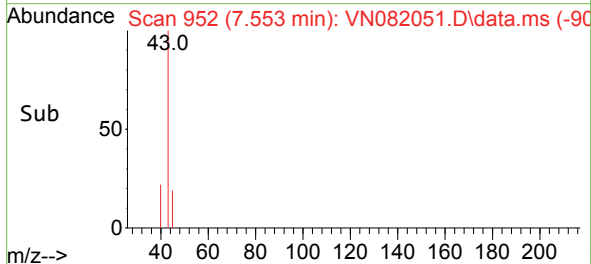
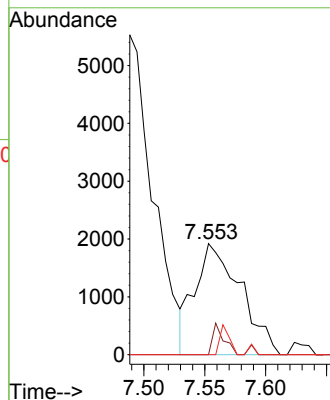
Tgt Ion: 43 Resp: 5011

Ion Ratio Lower Upper

43 100

61 6.9 11.3 16.9#

70 5.6 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 6.168 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

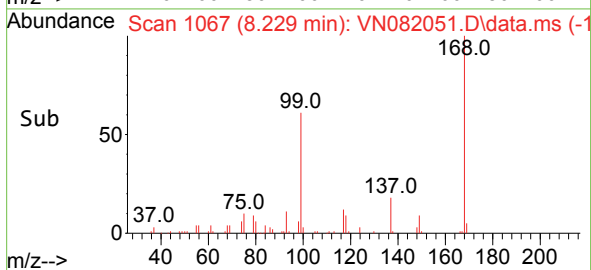
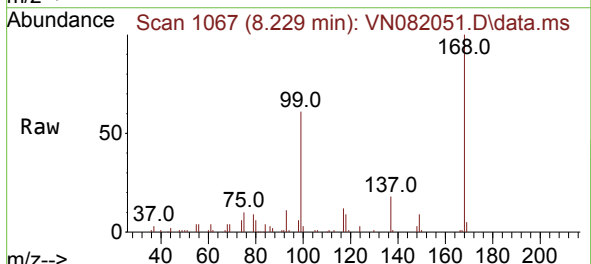
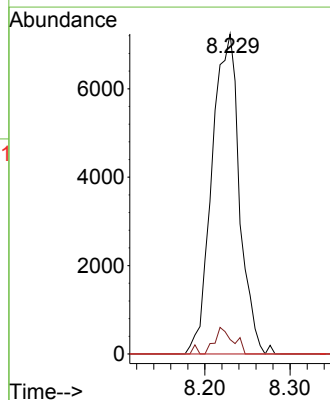
Tgt Ion: 117 Resp: 16255

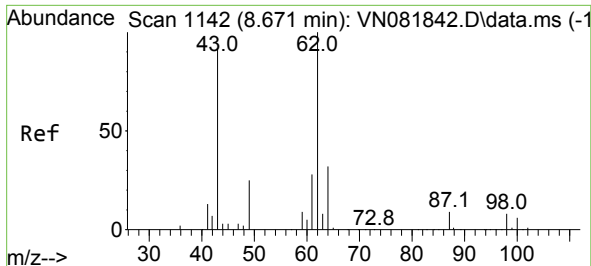
Ion Ratio Lower Upper

117 100

119 4.5 76.5 114.7#

121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.416 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

Instrument :

MSVOA_N

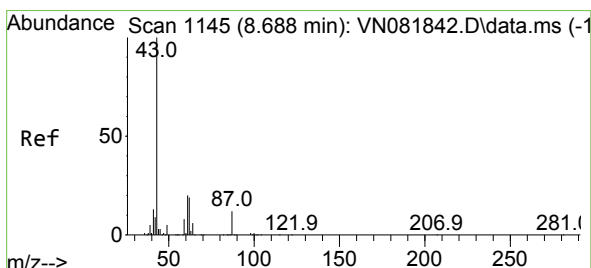
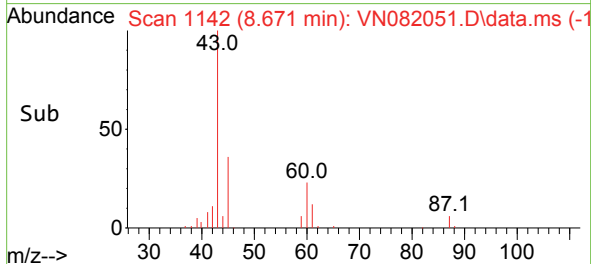
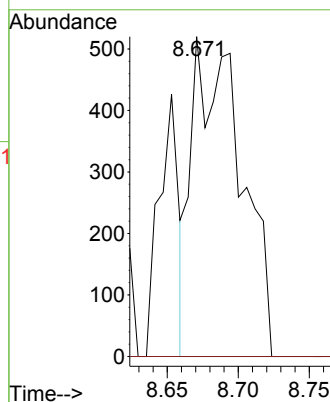
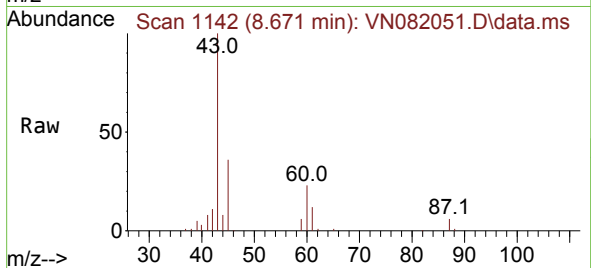
ClientSampleId :

Tgt Ion: 62 Resp: 1249

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 51.172 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

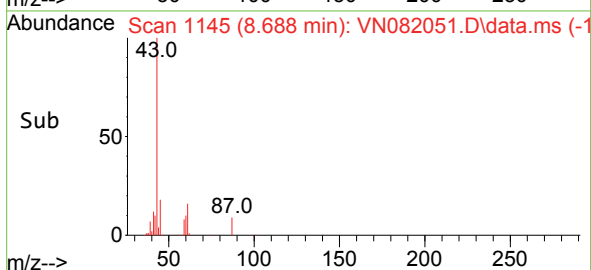
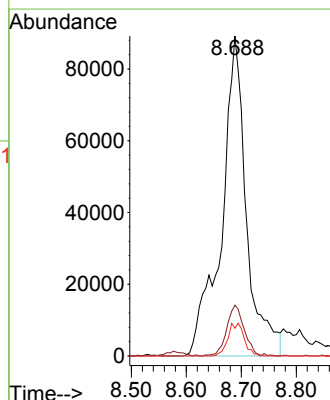
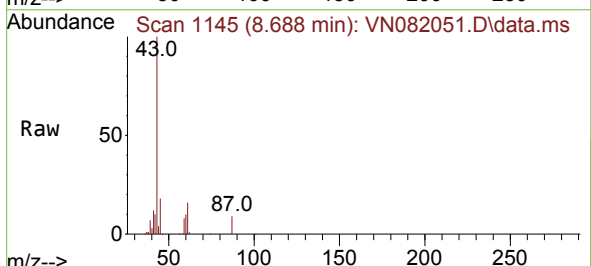
Tgt Ion: 43 Resp: 280521

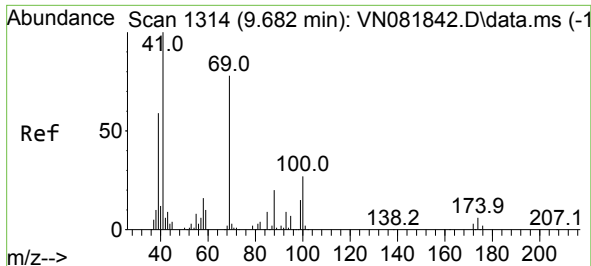
Ion Ratio Lower Upper

43 100

61 11.1 22.8 34.2#

87 6.7 12.0 18.0#

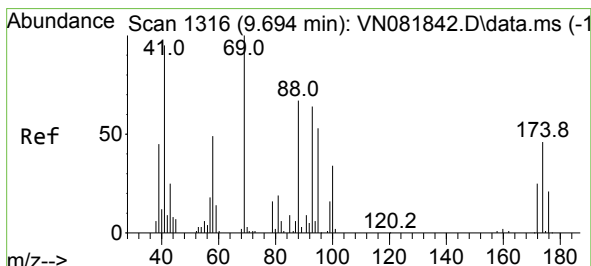
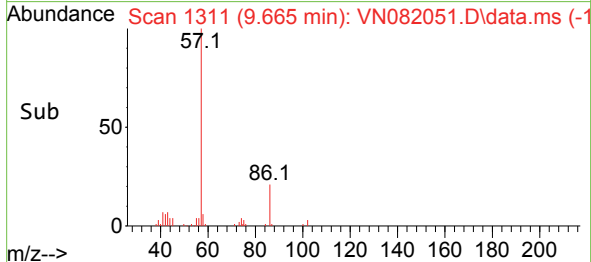
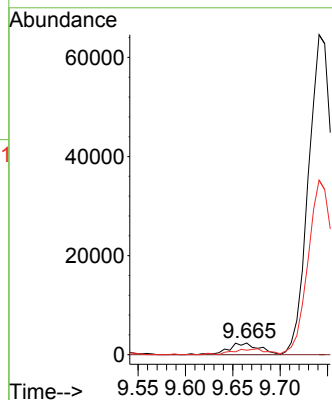
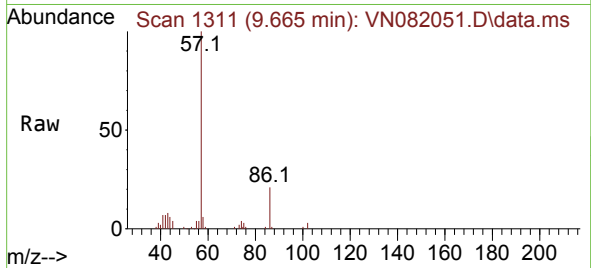




#48
Methyl methacrylate
Concen: 2.017 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

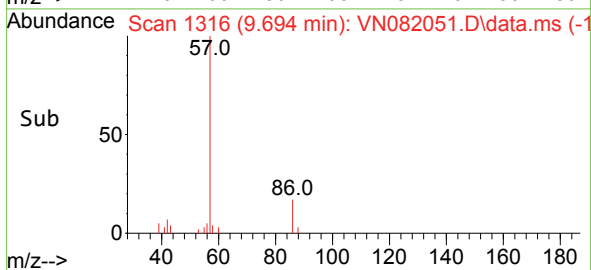
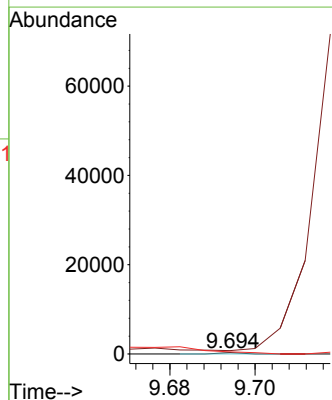
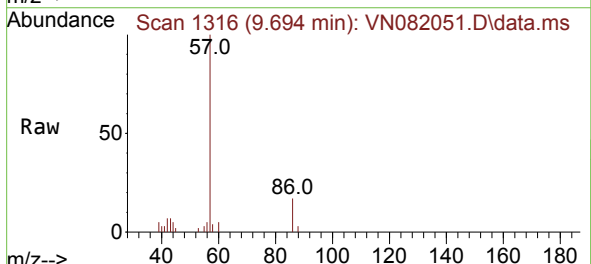
Instrument :
MSVOA_N
ClientSampleId :

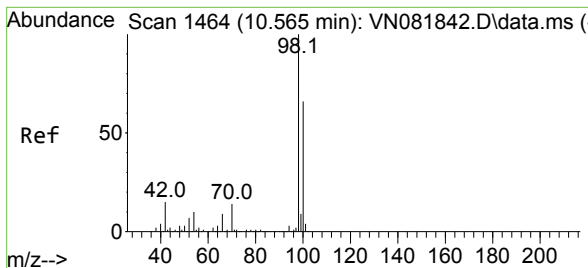
Tgt Ion: 41 Resp: 5278
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 55.8 50.9 76.3



#49
1,4-Dioxane
Concen: 2.665 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

Tgt Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 50.6 76.0#





#50

Toluene-d8

Concen: 55.316 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

Instrument :

MSVOA_N

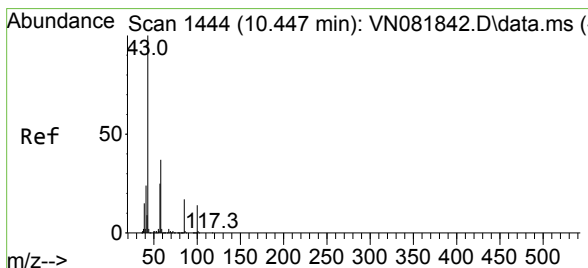
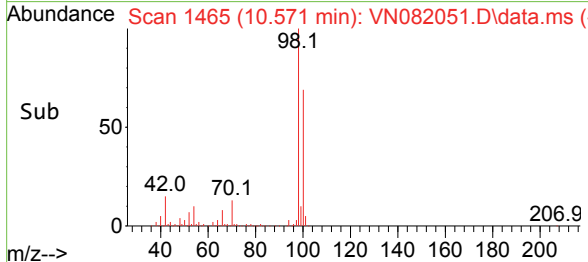
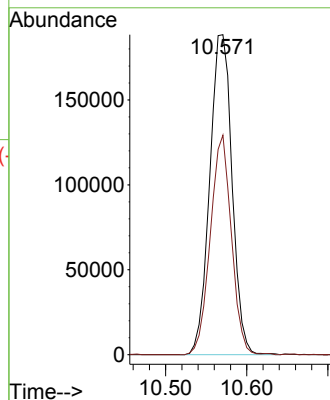
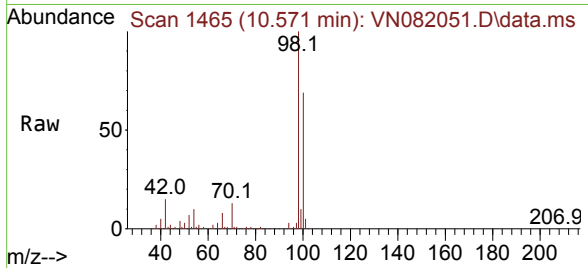
ClientSampleId :

Tgt Ion: 98 Resp: 360089

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 1.856 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN082051.D

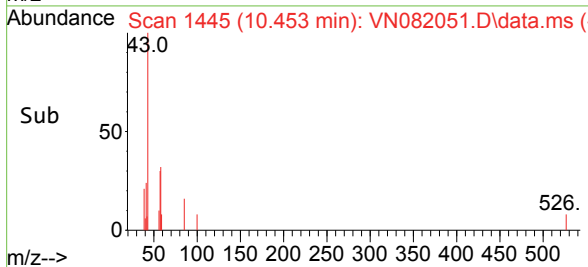
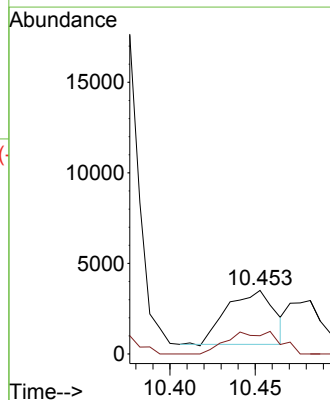
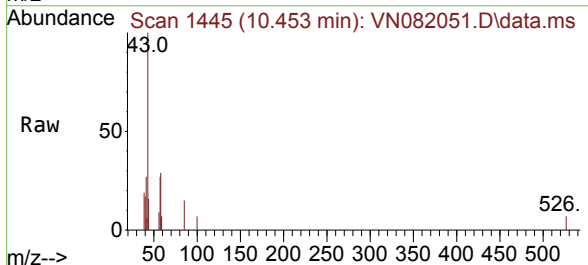
Acq: 09 May 2024 15:22

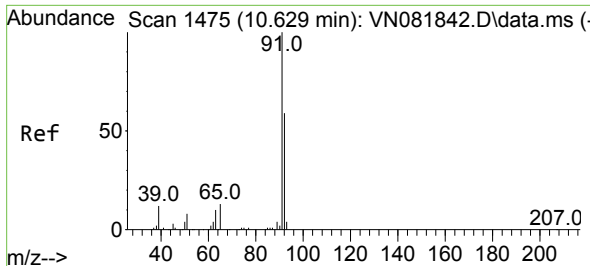
Tgt Ion: 43 Resp: 5727

Ion Ratio Lower Upper

43 100

58 44.9 33.2 49.8

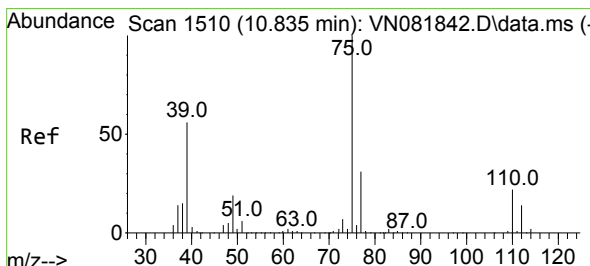
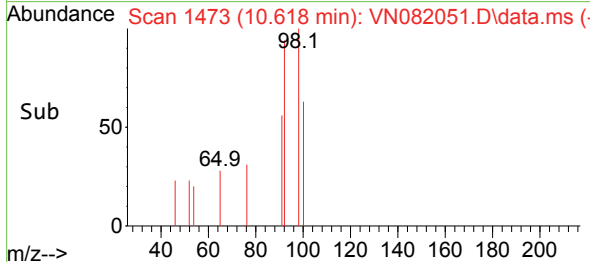
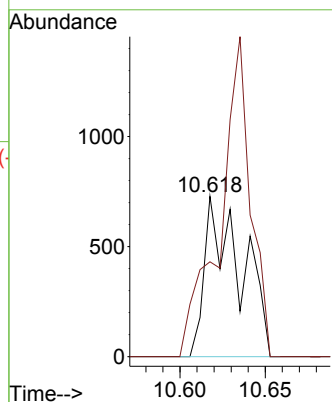
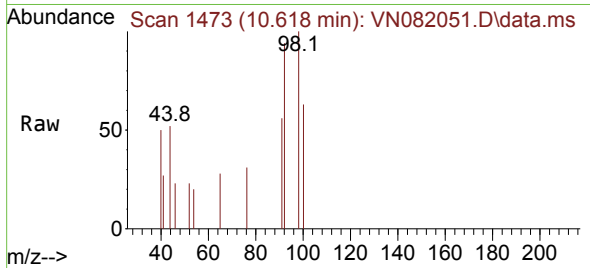




#52
Toluene
Concen: 0.222 ug/l
RT: 10.618 min Scan# 1475
Delta R.T. -0.012 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

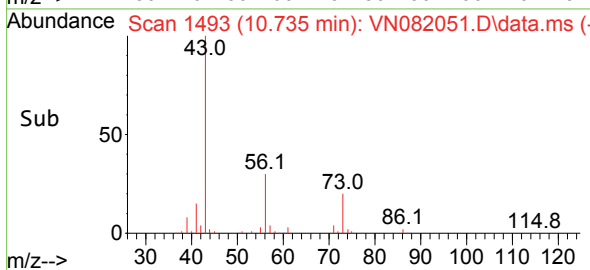
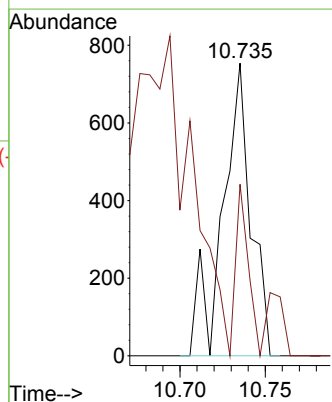
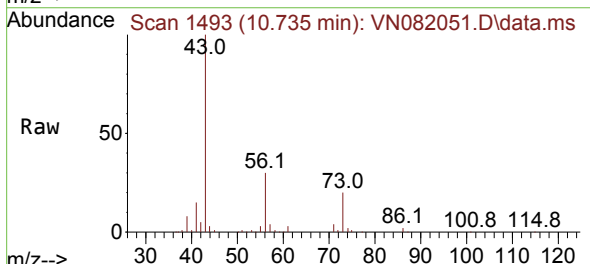
Instrument :
MSVOA_N
ClientSampleId :

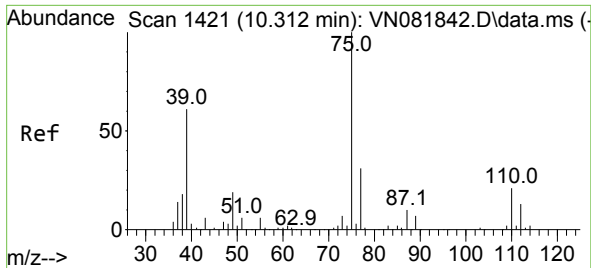
Tgt Ion: 92 Resp: 1077
Ion Ratio Lower Upper
92 100
91 167.5 136.7 205.1



#53
t-1,3-Dichloropropene
Concen: 0.258 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

Tgt Ion: 75 Resp: 866
Ion Ratio Lower Upper
75 100
77 38.5 25.4 38.0#

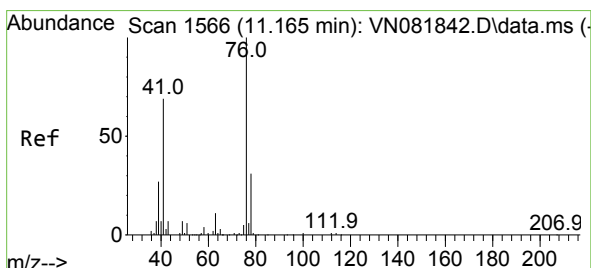
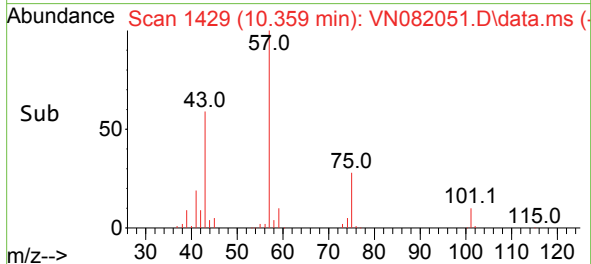
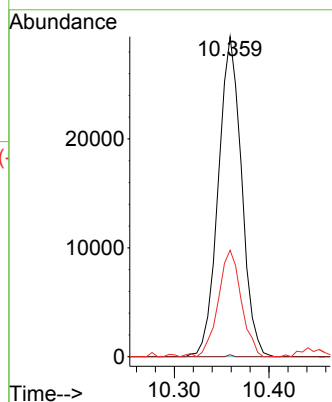
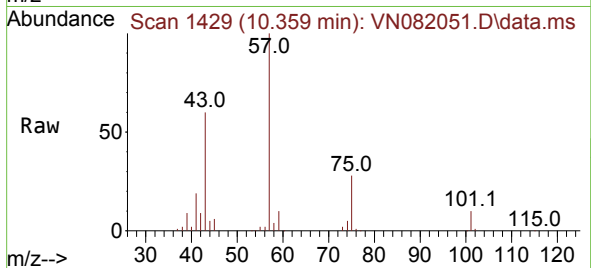




#54
 cis-1,3-Dichloropropene
 Concen: 14.492 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082051.D
 Acq: 09 May 2024 15:22

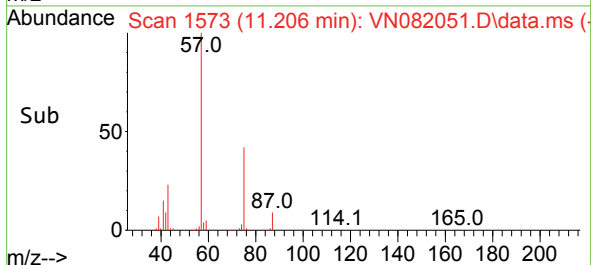
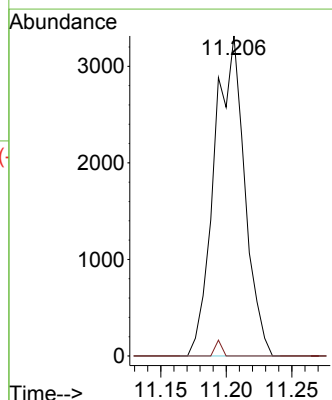
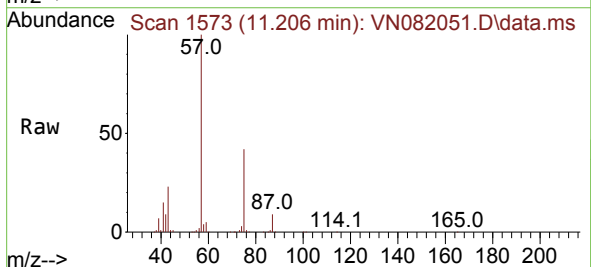
Instrument :
 MSVOA_N
 ClientSampleId :

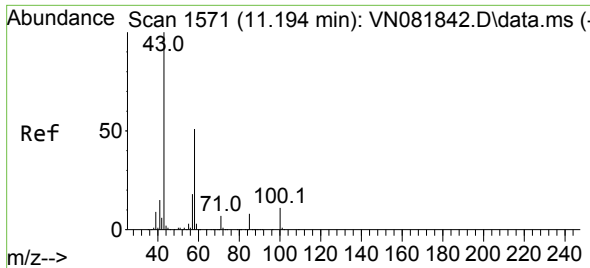
Tgt Ion: 75 Resp: 50187
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 33.3 34.8 52.2#



#57
 1,3-Dichloropropane
 Concen: 1.571 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN082051.D
 Acq: 09 May 2024 15:22

Tgt Ion: 76 Resp: 5324
 Ion Ratio Lower Upper
 76 100
 78 1.1 25.8 38.6#

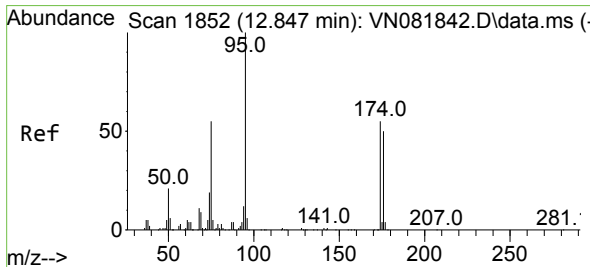
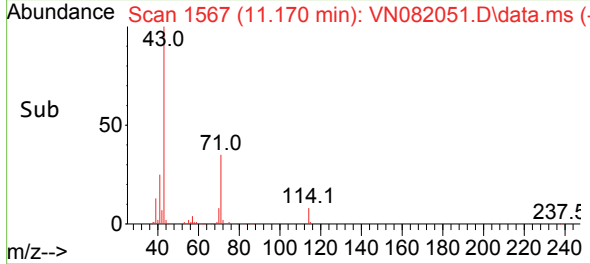
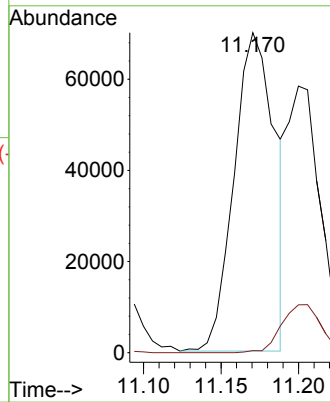
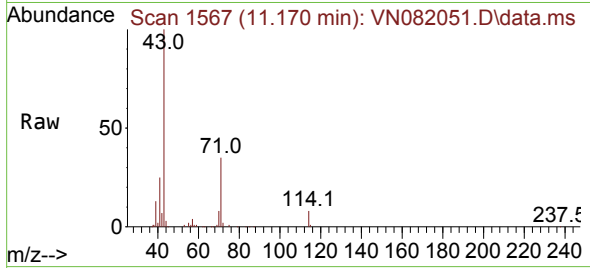




#59
2-Hexanone
Concen: 55.765 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

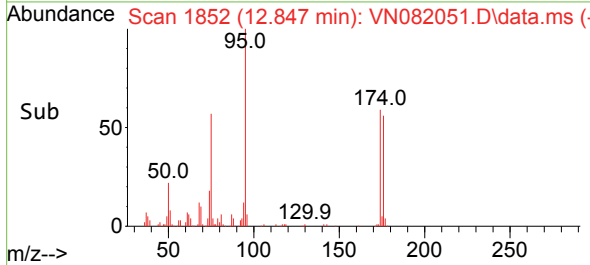
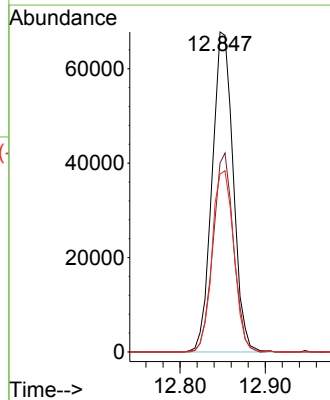
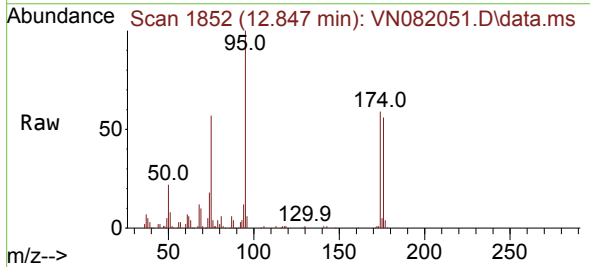
Instrument :
MSVOA_N
ClientSampleId :

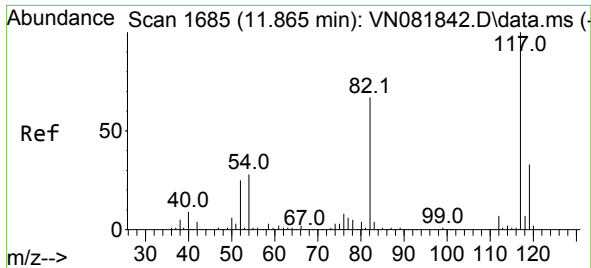
Tgt Ion: 43 Resp: 128071
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.309 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

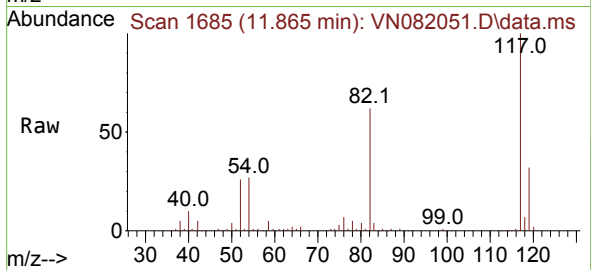
Tgt Ion: 95 Resp: 116593
Ion Ratio Lower Upper
95 100
174 60.4 0.0 160.6
176 58.2 0.0 152.8



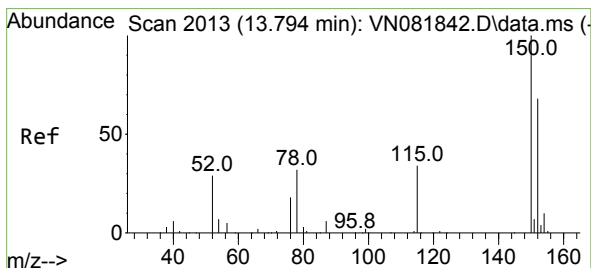
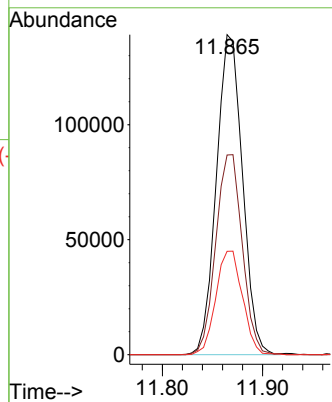
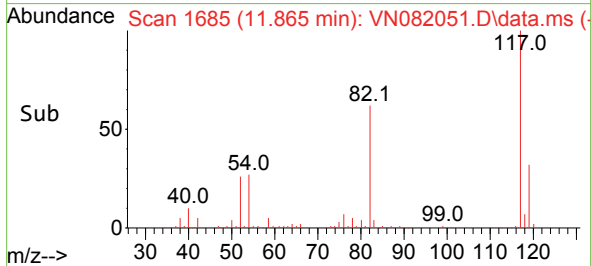


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

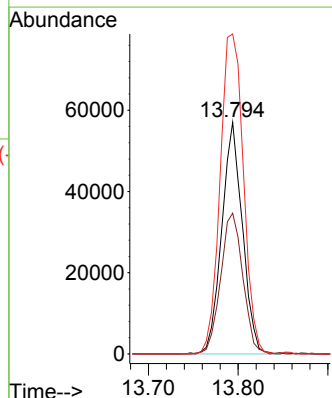
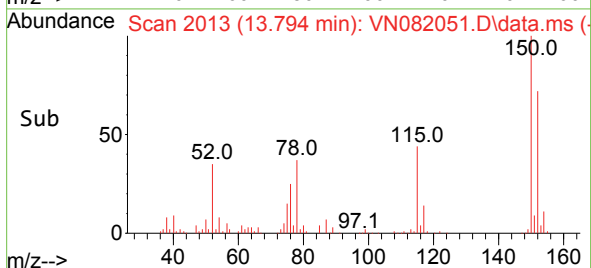
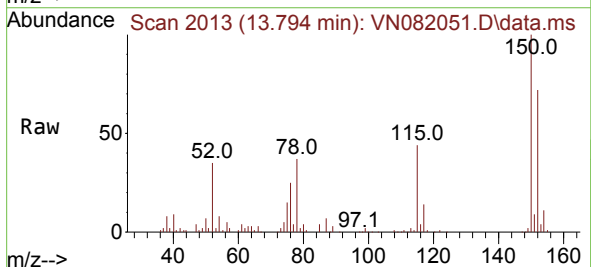


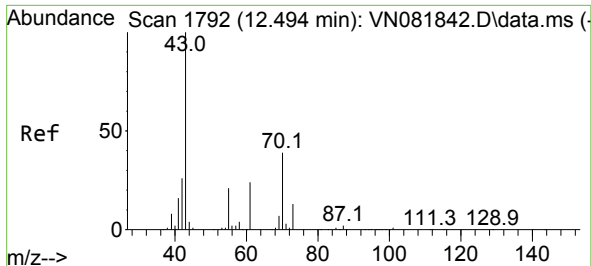
Tgt Ion:117 Resp: 251976
Ion Ratio Lower Upper
117 100
82 62.4 44.6 66.8
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

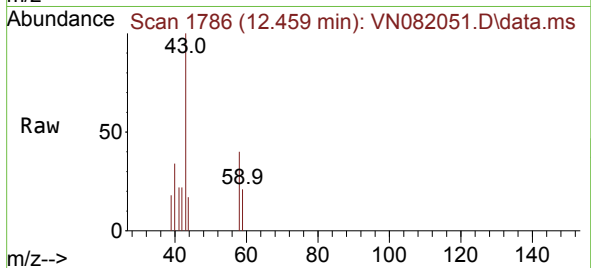
Tgt Ion:152 Resp: 91035
Ion Ratio Lower Upper
152 100
115 65.3 30.4 91.3
150 155.8 0.0 353.2



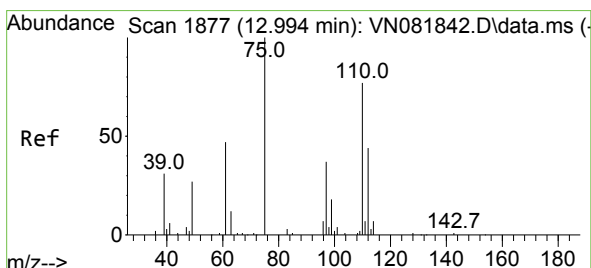
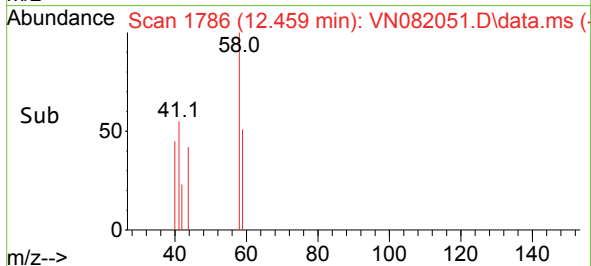
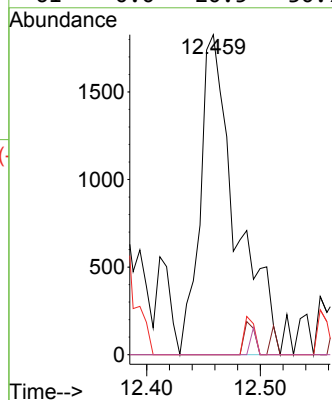


#74
N-amy1 acetate
Concen: 0.886 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

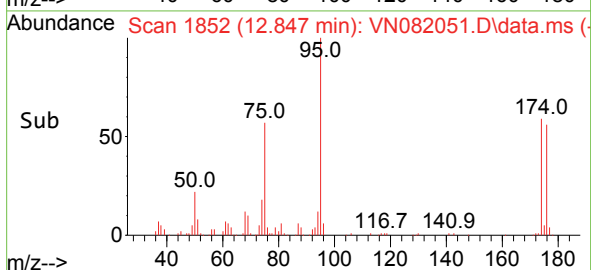
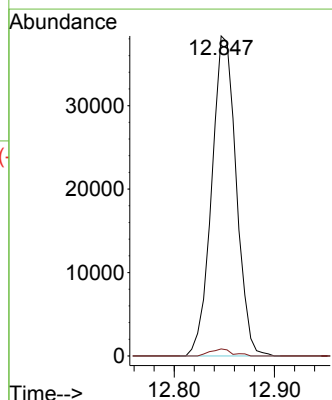
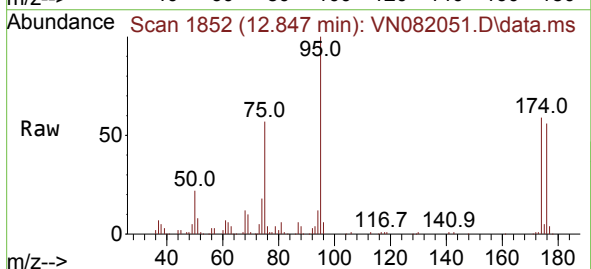


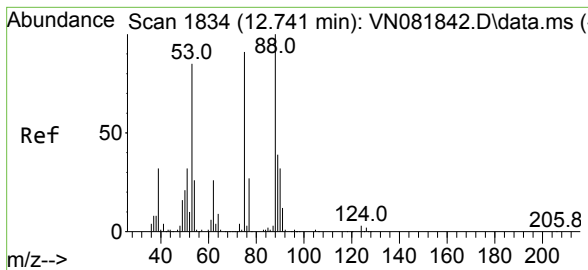
Tgt Ion: 43	Resp:	3992
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.4#
55	0.0	21.3 31.9#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 27.572 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082051.D
Acq: 09 May 2024 15:22

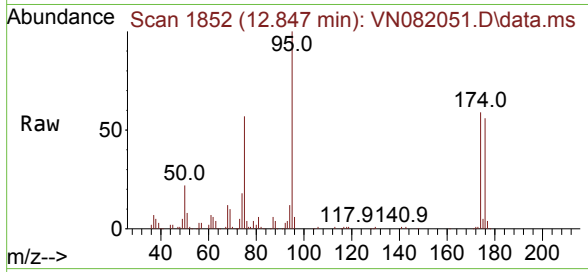
Tgt Ion: 75	Resp:	65079
Ion	Ratio	Lower Upper
75	100	
77	2.0	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.498 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN082051.D
 Acq: 09 May 2024 15:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	72.9	109.3#
89	0.1	39.1	58.7#

