

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082170.D
 Acq On : 16 May 2024 18:30
 Operator : JC\MD
 Sample : PB160937ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#05

Quant Time: May 17 05:06:35 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)

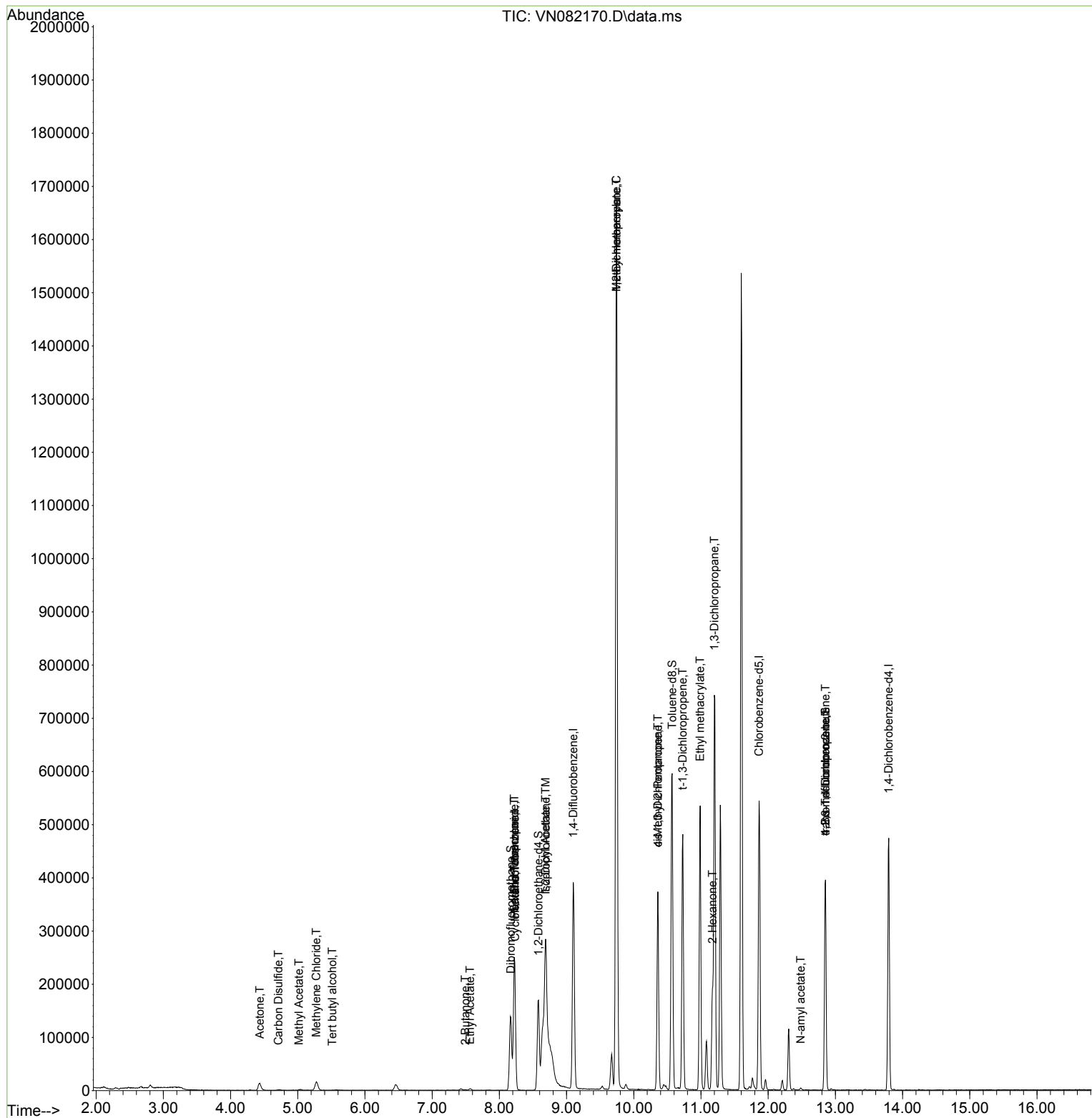
Internal Standards						
1) Pentafluorobenzene	8.229	168	172220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	140339	51.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.220%			
35) Dibromofluoromethane	8.171	113	98427	52.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.920%			
50) Toluene-d8	10.571	98	388520	54.527	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.060%			
62) 4-Bromofluorobenzene	12.853	95	127662	50.198	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.400%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	133	0.305	ug/l #	71
16) Acetone	4.436	43	26857	24.075	ug/l	94
17) Carbon Disulfide	4.712	76	1461	0.241	ug/l #	74
18) Methyl Acetate	5.018	43	1422	0.512	ug/l #	57
20) Methylene Chloride	5.277	84	11142	4.950	ug/l #	81
25) 2-Butanone	7.494	43	2817	1.666	ug/l #	43
31) Cyclohexane	8.235	56	5057	1.164	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	16027	5.142	ug/l #	47
37) Ethyl Acetate	7.565	43	5170	1.482	ug/l #	81
38) Carbon Tetrachloride	8.224	117	18703	5.919	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1523	0.426	ug/l #	73
43) Isopropyl Acetate	8.688	43	619921	100.295	ug/l #	62
45) 1,2-Dichloropropane	9.741	63	1974	0.823	ug/l #	45
48) Methyl methacrylate	9.741	41	167177	56.762	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	148304	42.230	ug/l #	42
53) t-1,3-Dichloropropene	10.729	75	802	0.233	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	55593	15.278	ug/l #	75
56) Ethyl methacrylate	10.988	69	1435	0.417	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7293	1.924	ug/l #	42
59) 2-Hexanone	11.171	43	158770	61.745	ug/l #	23
74) N-amyl acetate	12.482	43	1682	0.328	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	77355	31.278	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	77355	73.159	ug/l #	12

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

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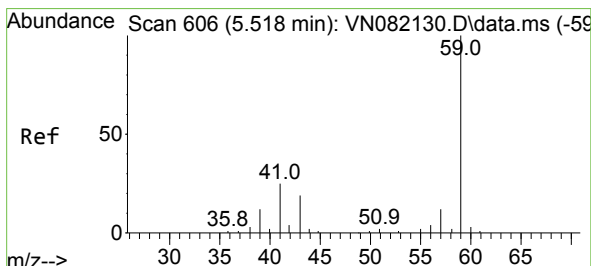
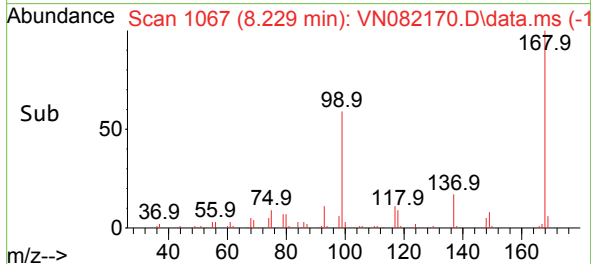
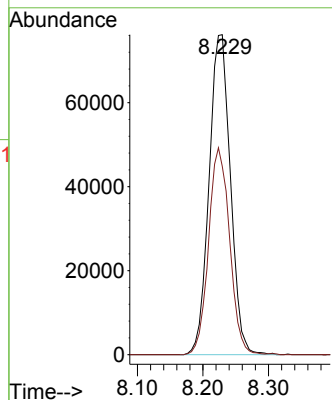
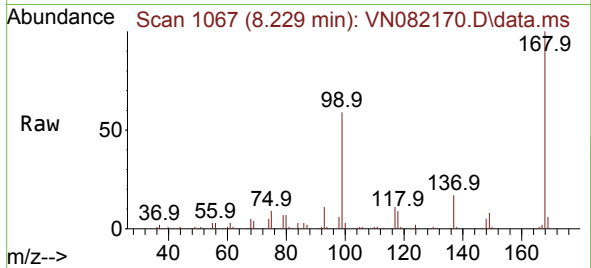




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

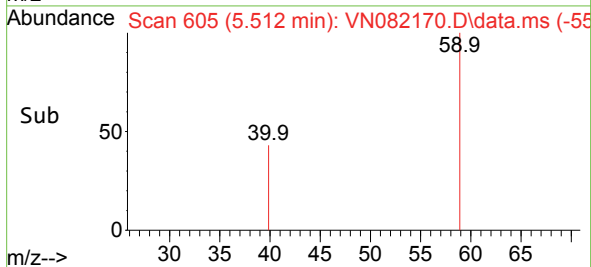
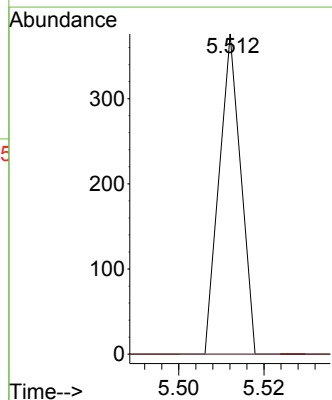
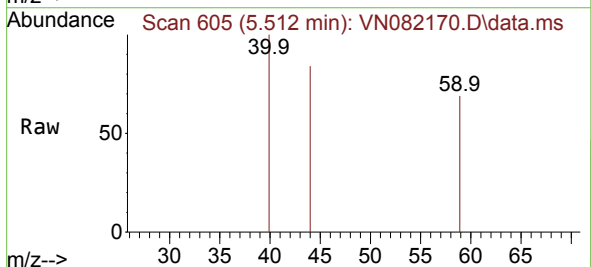
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#05

Tgt Ion:168 Resp: 172220
Ion Ratio Lower Upper
168 100
99 58.9 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.305 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

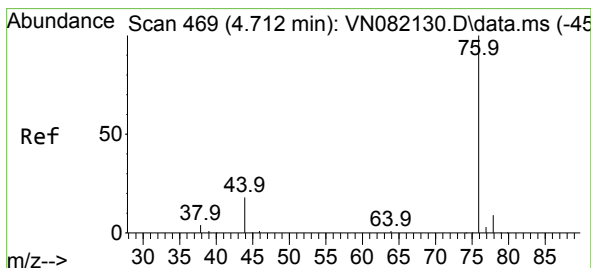
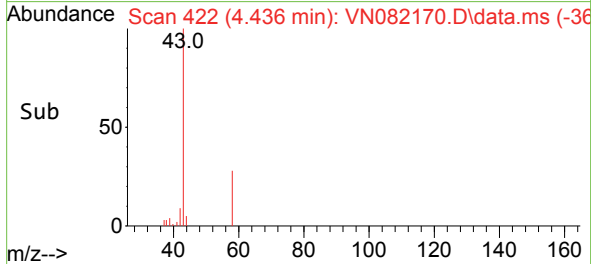
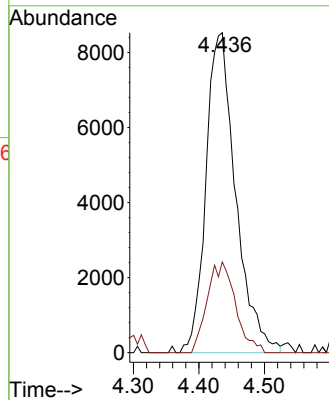
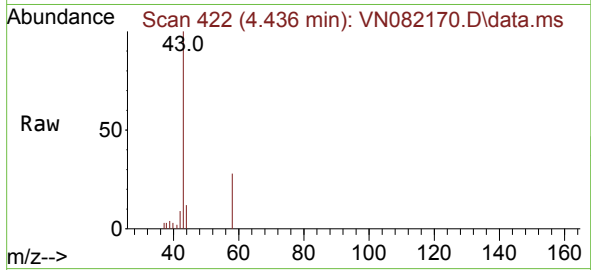




#16
Acetone
Concen: 24.075 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

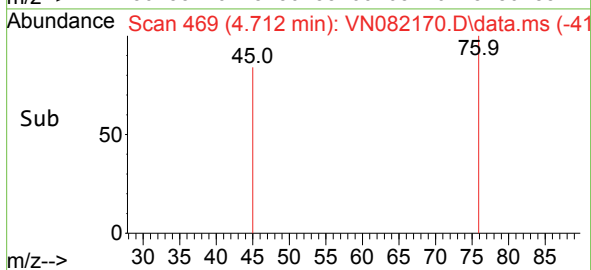
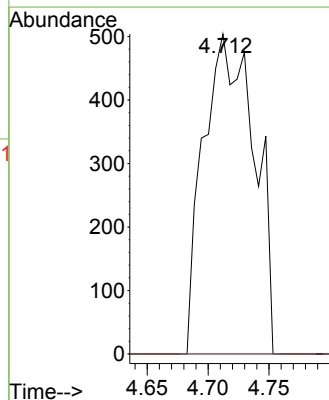
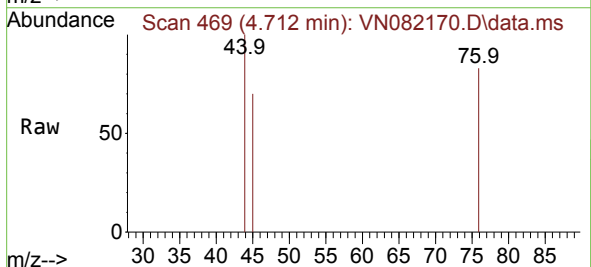
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#05

Tgt Ion: 43 Resp: 26857
Ion Ratio Lower Upper
43 100
58 28.4 25.2 37.8



#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 76 Resp: 1461
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

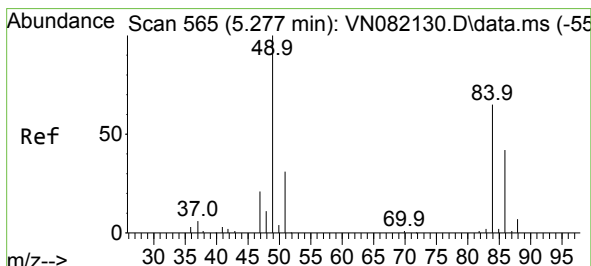
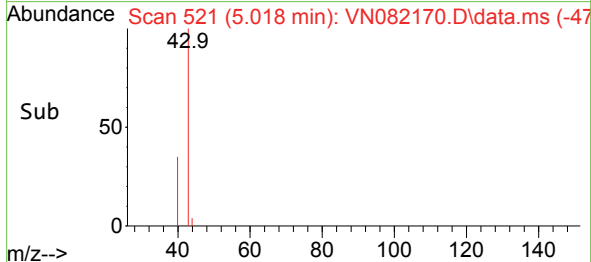
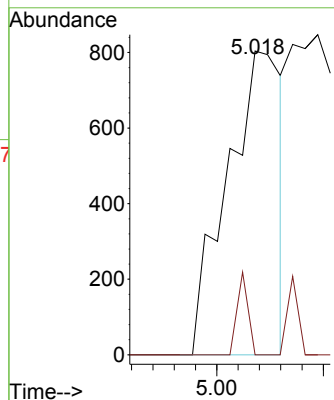
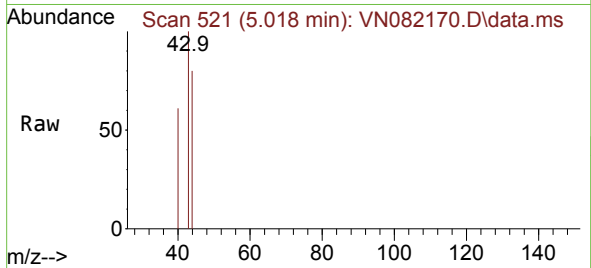




#18
Methyl Acetate
Concen: 0.512 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

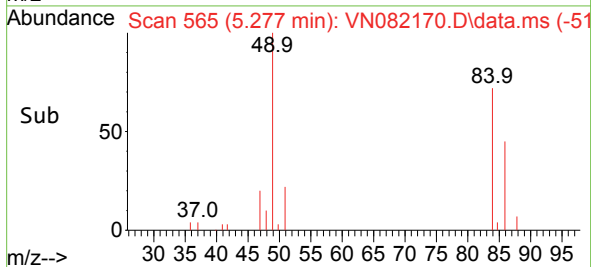
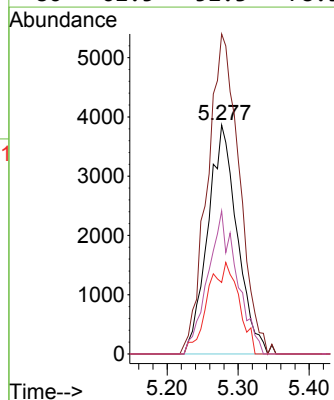
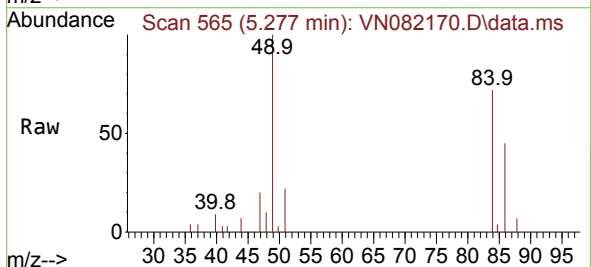
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MSVOA_N
ClientSampleId :
PB160937ZHE#05

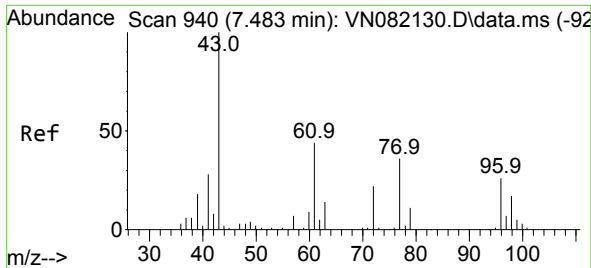
Tgt Ion: 43 Resp: 1422
Ion Ratio Lower Upper
43 100
74 5.4 22.2 33.2#



#20
Methylene Chloride
Concen: 4.950 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 84 Resp: 11142
Ion Ratio Lower Upper
84 100
49 139.8 84.9 127.3#
51 31.2 27.0 40.6
86 62.5 52.3 78.5

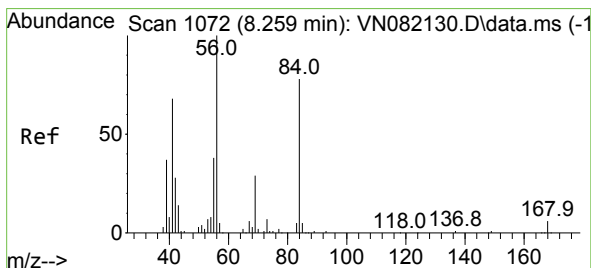
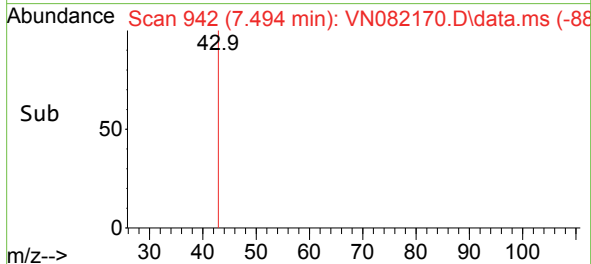
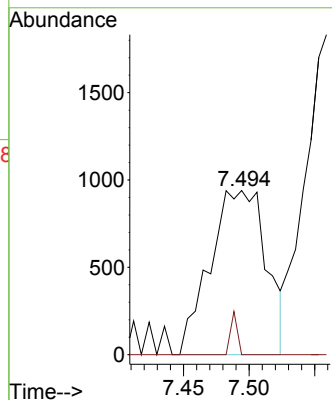
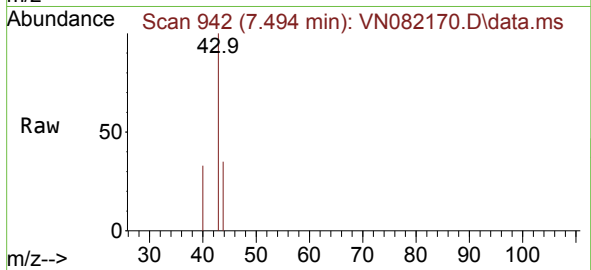




#25
2-Butanone
Concen: 1.666 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

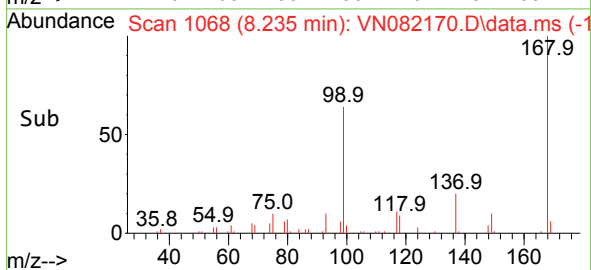
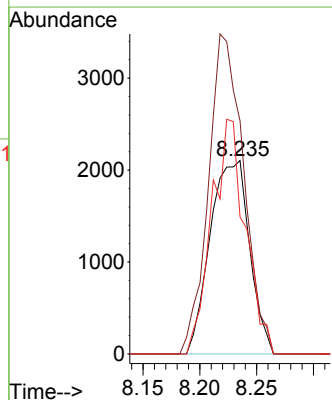
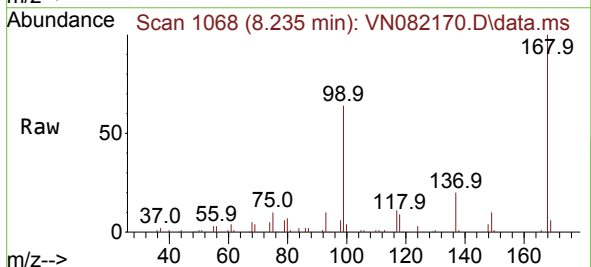
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#05

Tgt Ion: 43 Resp: 2817
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 56 Resp: 5057
Ion Ratio Lower Upper
56 100
69 120.5 24.4 36.6#
84 70.8 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 51.607 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082170.D

Acq: 16 May 2024 18:30

Instrument :

MSVOA_N

ClientSampleId :

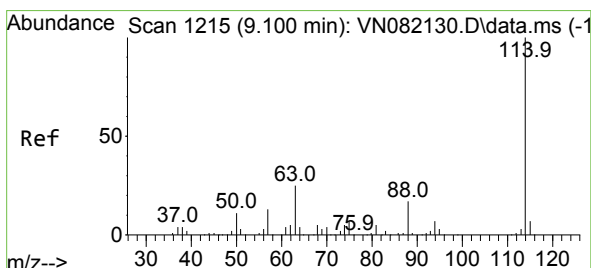
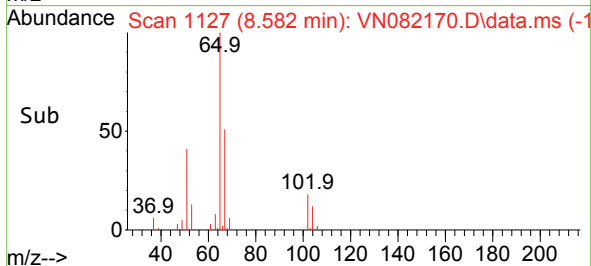
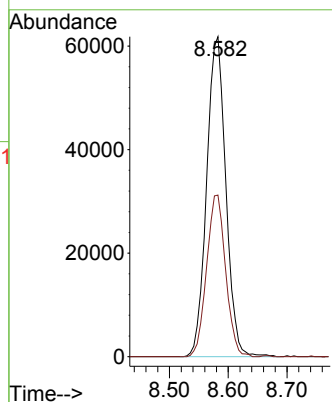
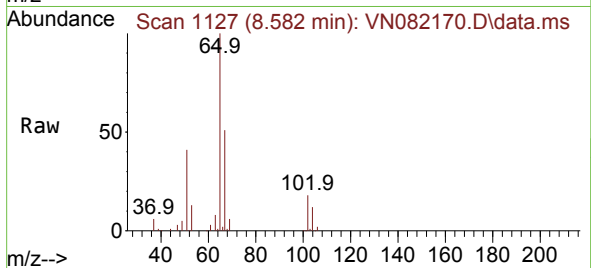
PB160937ZHE#05

Tgt Ion: 65 Resp: 140339

Ion Ratio Lower Upper

65 100

67 50.1 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: VN082170.D

Acq: 16 May 2024 18:30

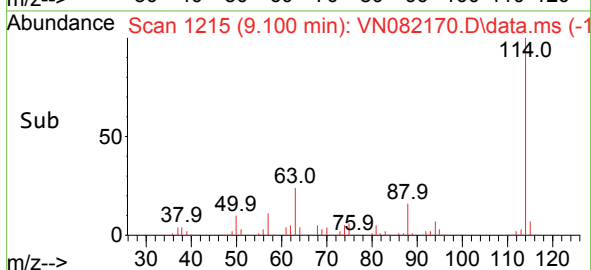
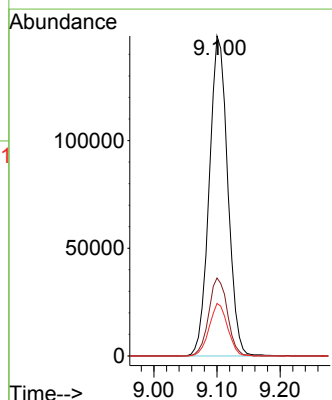
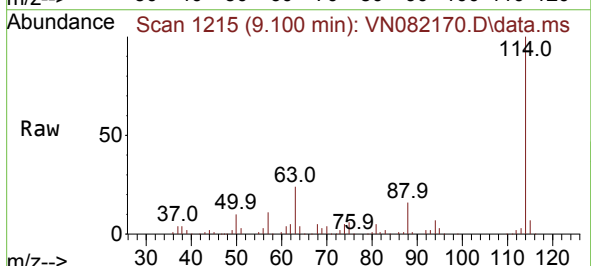
Tgt Ion: 114 Resp: 302116

Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.0

88 16.4 0.0 31.4

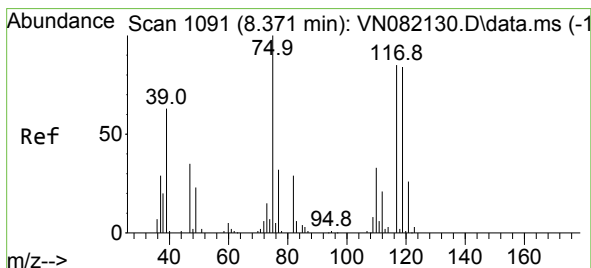
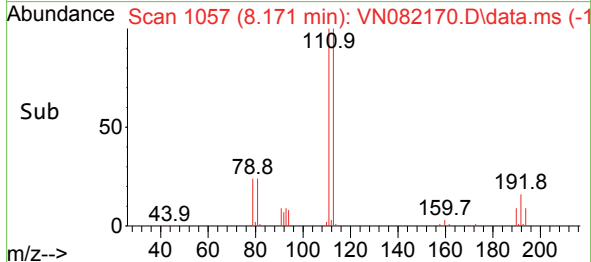
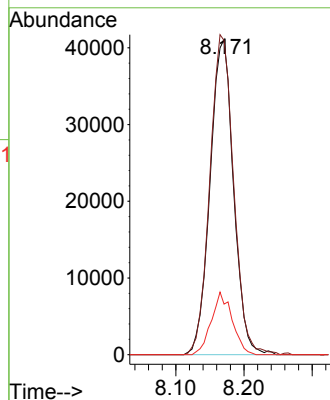
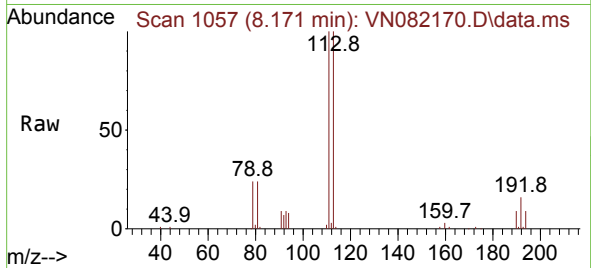




#35
Dibromofluoromethane
Concen: 52.961 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

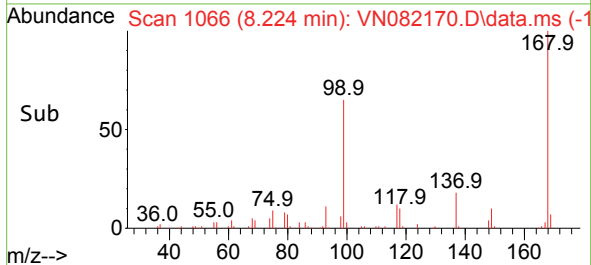
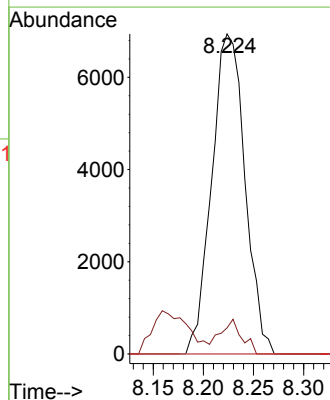
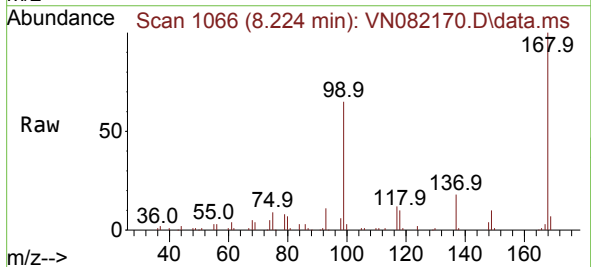
Instrument :
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Tgt Ion:113 Resp: 98427
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 17.7 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.142 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 75 Resp: 16027
Ion Ratio Lower Upper
75 100
110 7.0 17.8 53.5#
77 0.0 25.0 37.4#

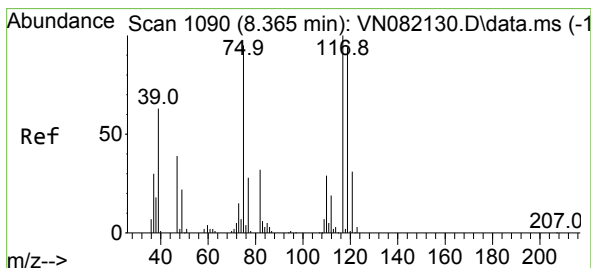
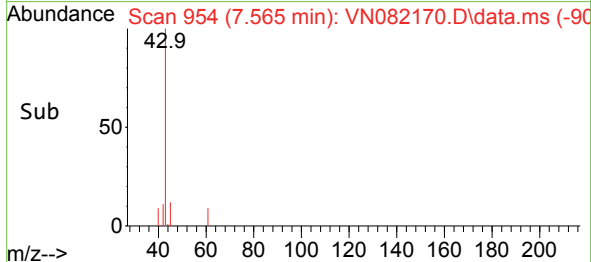
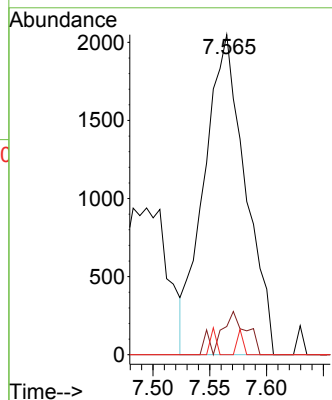
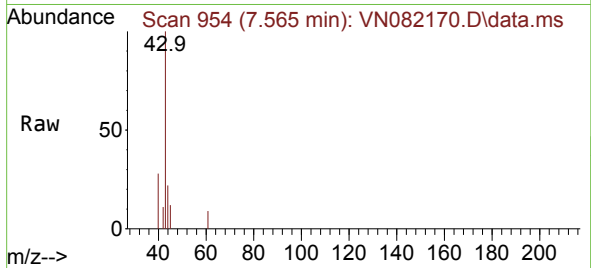




#37
Ethyl Acetate
Concen: 1.482 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

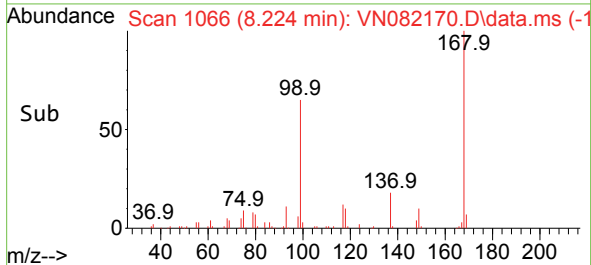
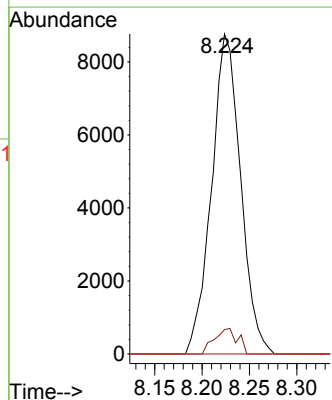
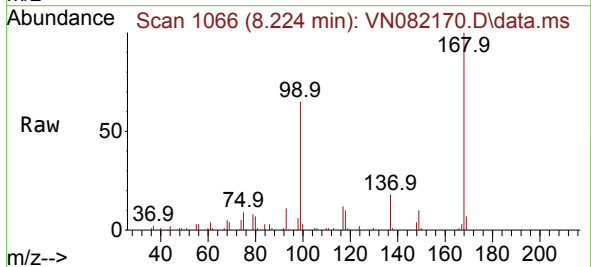
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#05

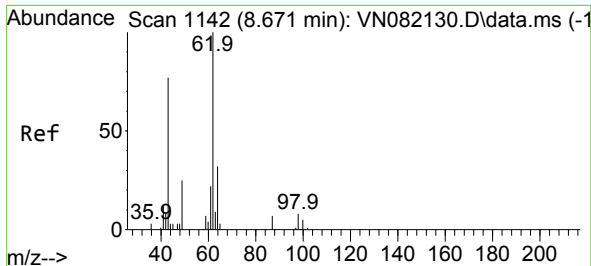
Tgt Ion: 43 Resp: 5170
Ion Ratio Lower Upper
43 100
61 8.6 11.3 16.9#
70 1.1 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.919 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 117 Resp: 18703
Ion Ratio Lower Upper
117 100
119 7.6 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.426 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082170.D

Acq: 16 May 2024 18:30

Instrument :

MSVOA_N

ClientSampleId :

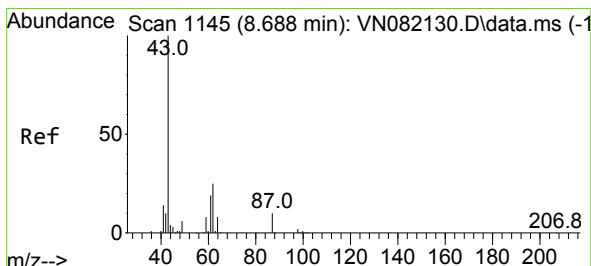
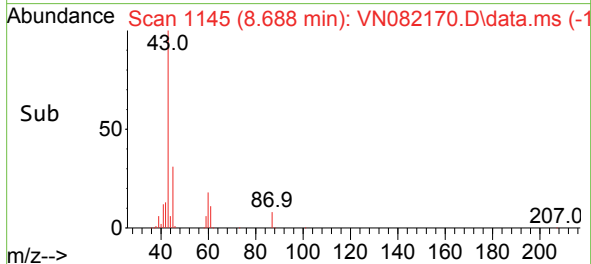
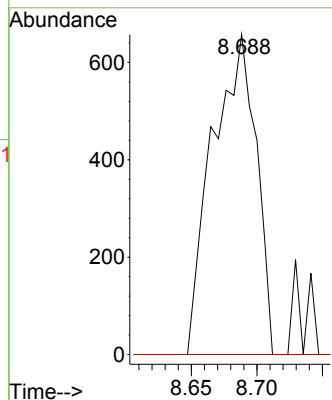
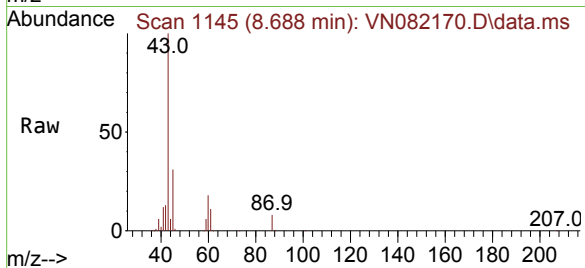
PB160937ZHE#05

Tgt Ion: 62 Resp: 1523

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 100.295 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082170.D

Acq: 16 May 2024 18:30

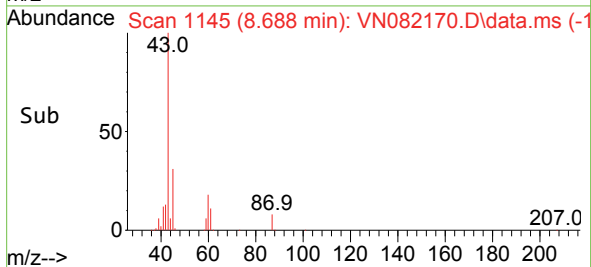
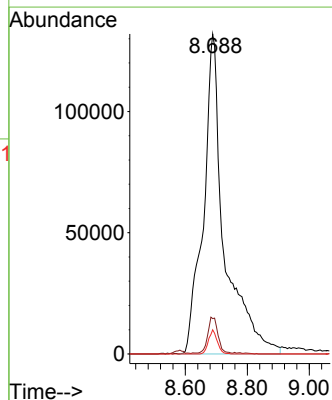
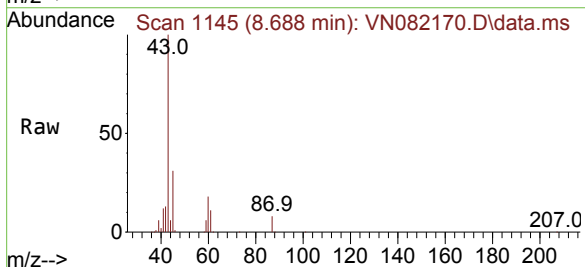
Tgt Ion: 43 Resp: 619921

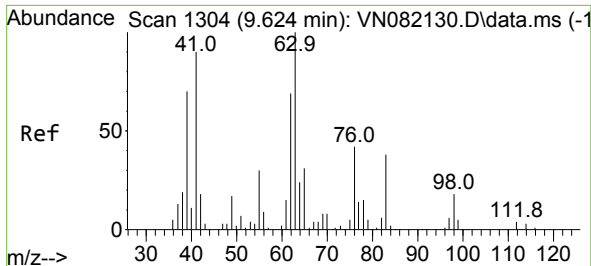
Ion Ratio Lower Upper

43 100

61 5.6 22.8 34.2#

87 3.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.823 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082170.D

Acq: 16 May 2024 18:30

Instrument :

MSVOA_N

ClientSampleId :

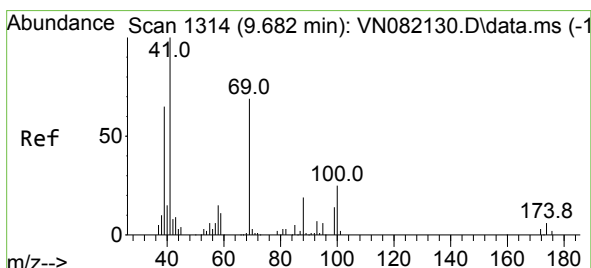
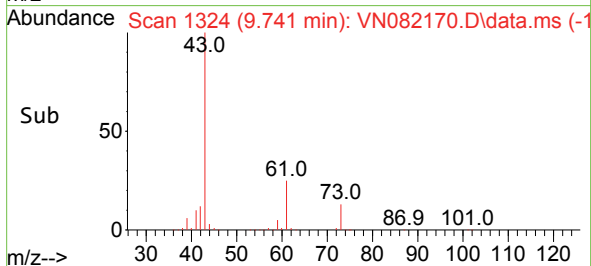
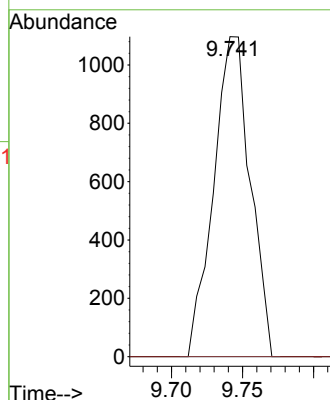
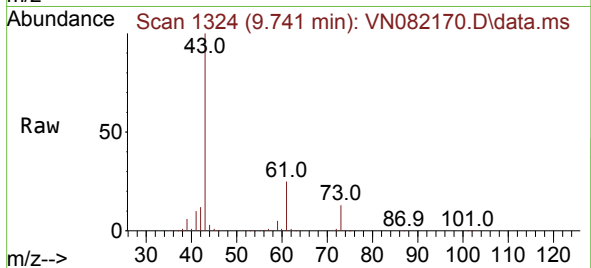
PB160937ZHE#05

Tgt Ion: 63 Resp: 1974

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 56.762 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082170.D

Acq: 16 May 2024 18:30

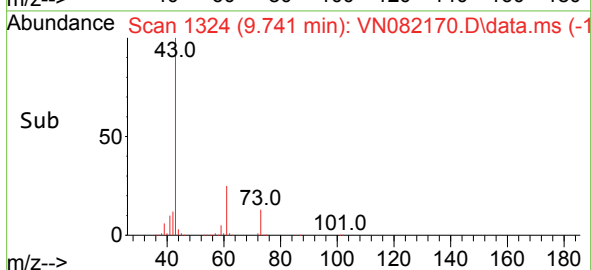
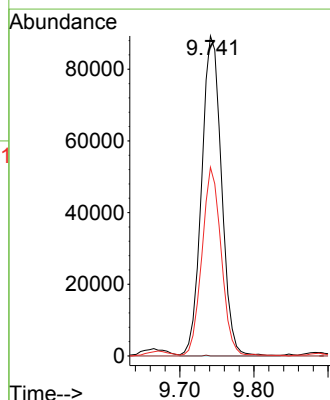
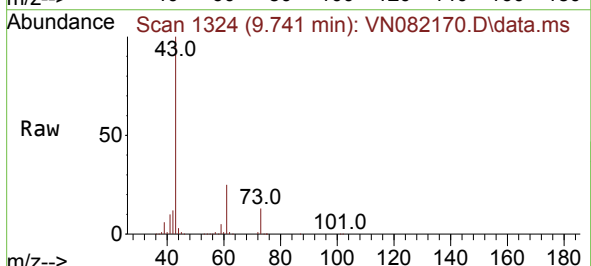
Tgt Ion: 41 Resp: 167177

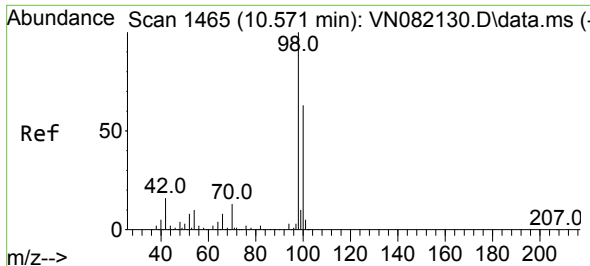
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 57.3 50.9 76.3

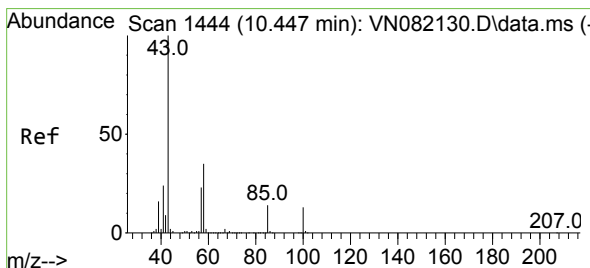
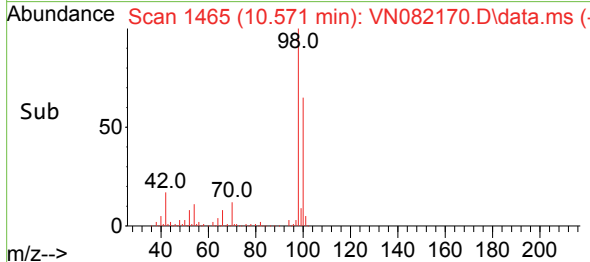
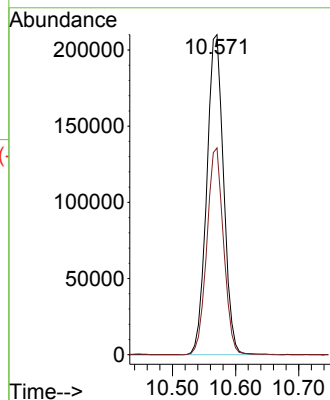
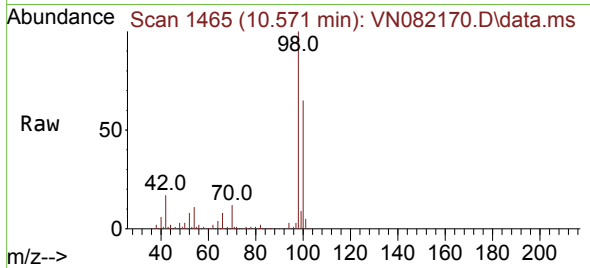




#50
Toluene-d8
Concen: 54.527 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

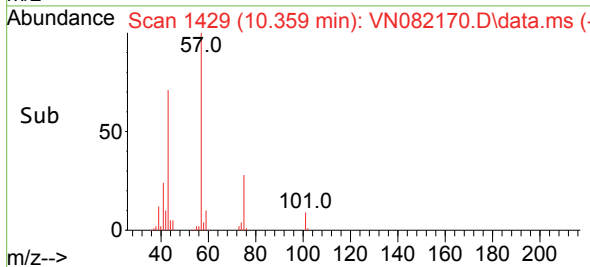
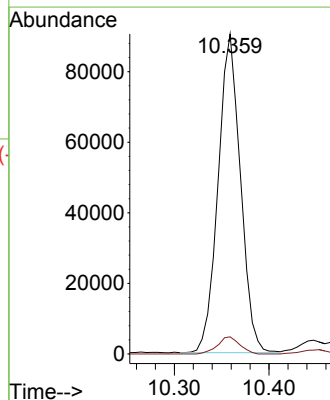
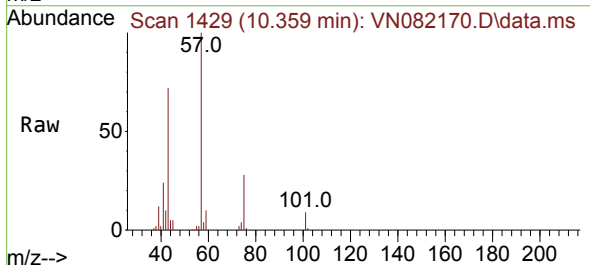
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#05

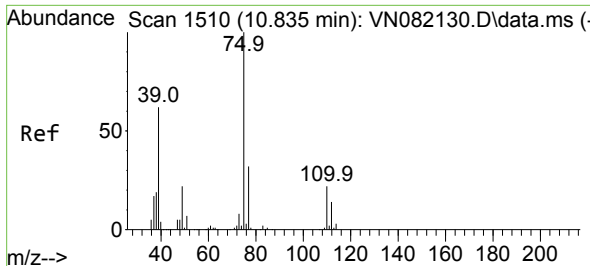
Tgt Ion: 98 Resp: 388520
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 42.230 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 43 Resp: 148304
Ion Ratio Lower Upper
43 100
58 5.3 33.2 49.8#

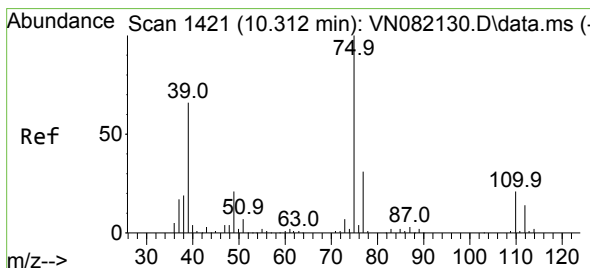
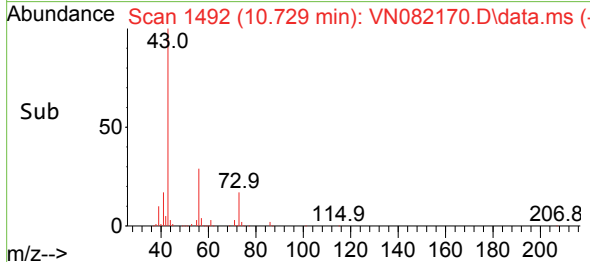
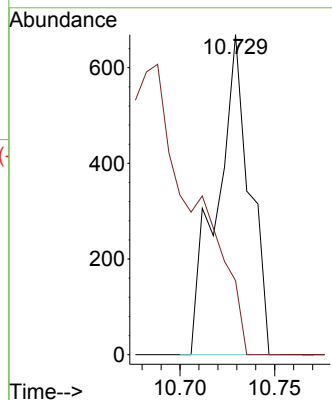
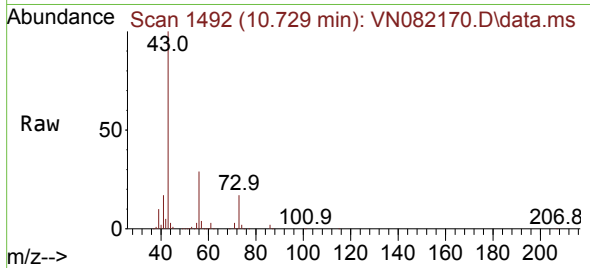




#53
 t-1,3-Dichloropropene
 Concen: 0.233 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082170.D
 Acq: 16 May 2024 18:30

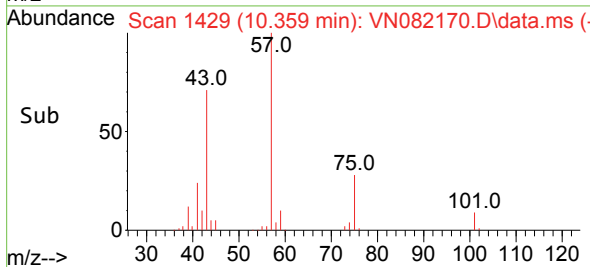
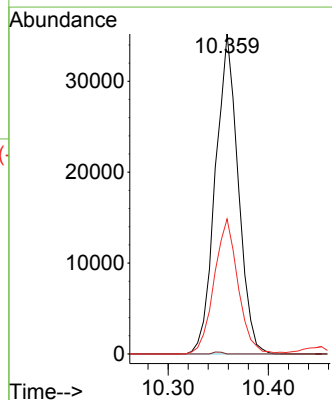
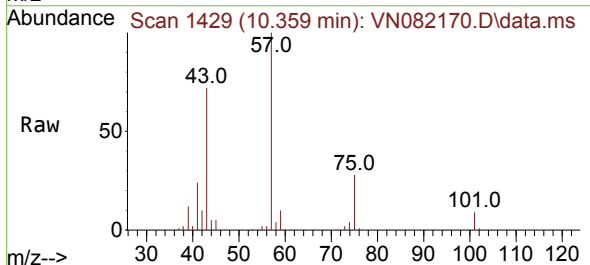
Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#05

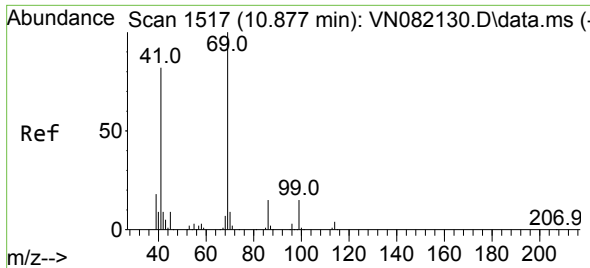
Tgt Ion: 75 Resp: 802
 Ion Ratio Lower Upper
 75 100
 77 23.2 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 15.278 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082170.D
 Acq: 16 May 2024 18:30

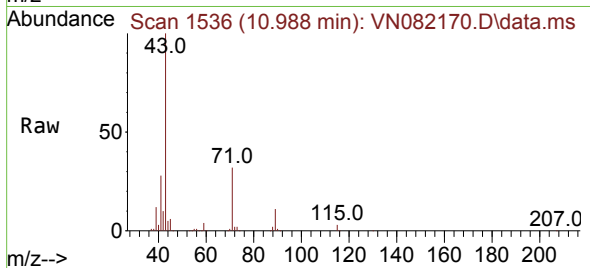
Tgt Ion: 75 Resp: 55593
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 42.2 34.8 52.2



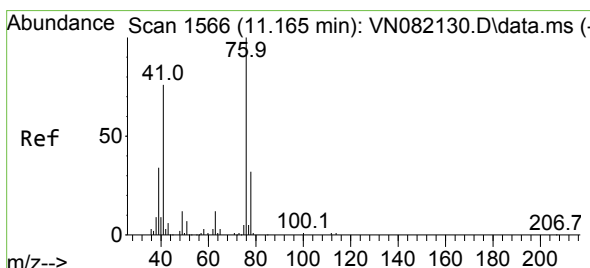
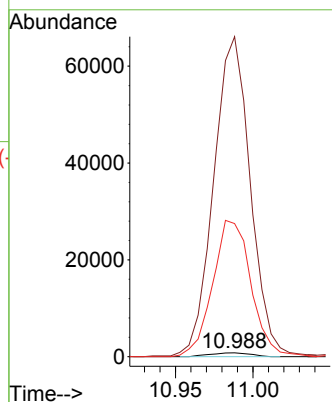
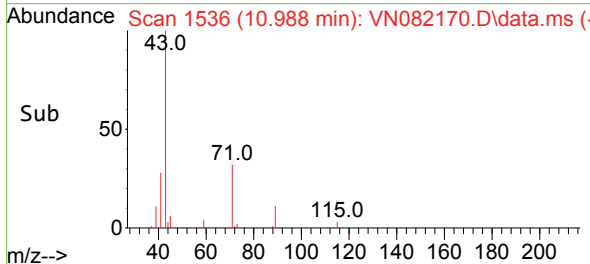


#56
Ethyl methacrylate
Concen: 0.417 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#05

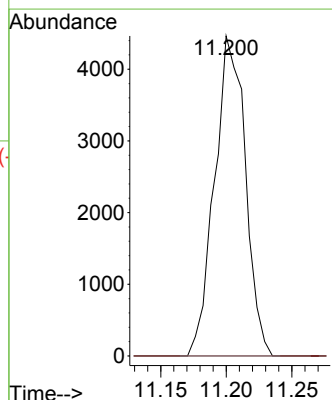
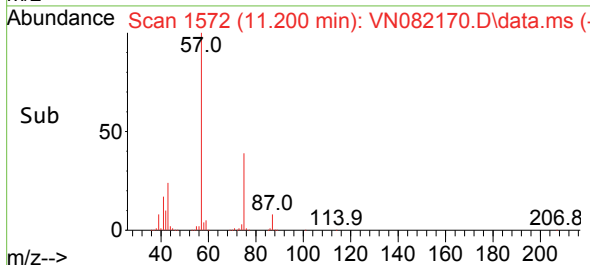
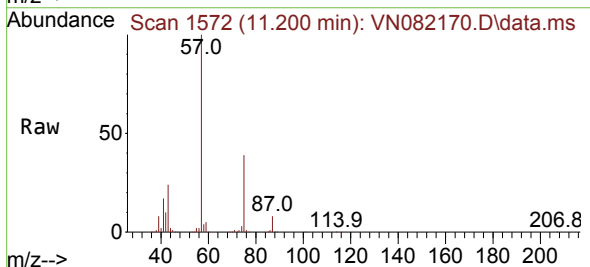


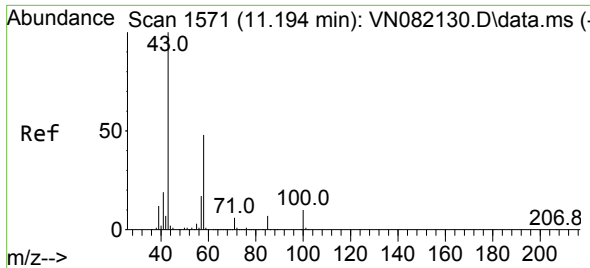
Tgt Ion: 69 Resp: 1435
Ion Ratio Lower Upper
69 100
41 7618.0 46.6 70.0#
39 3375.5 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.924 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 76 Resp: 7293
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

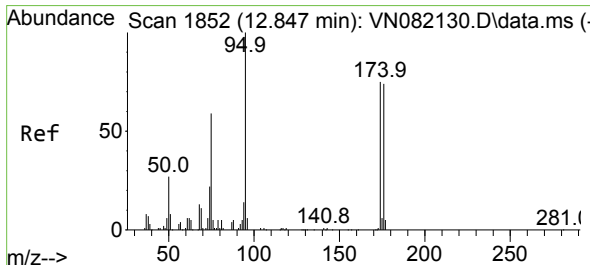
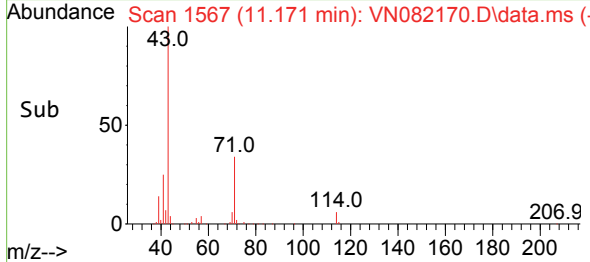
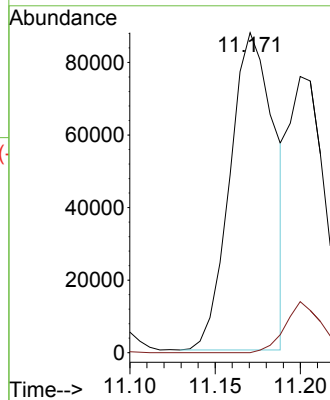
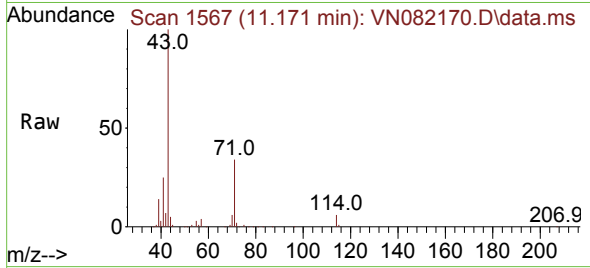




#59
2-Hexanone
Concen: 61.745 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

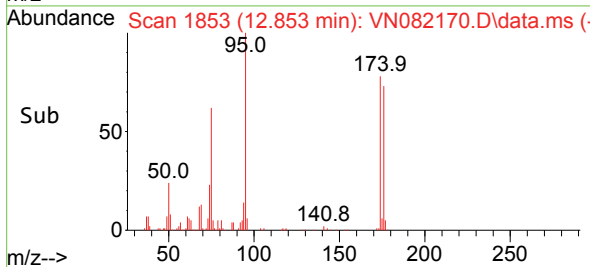
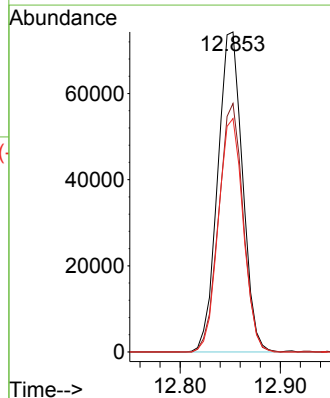
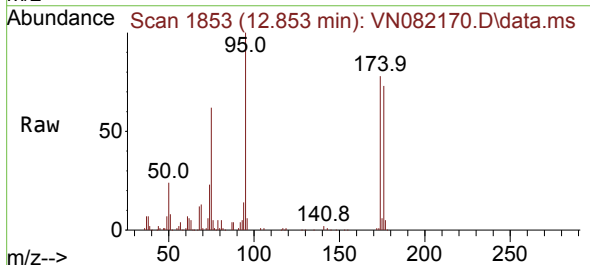
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#05

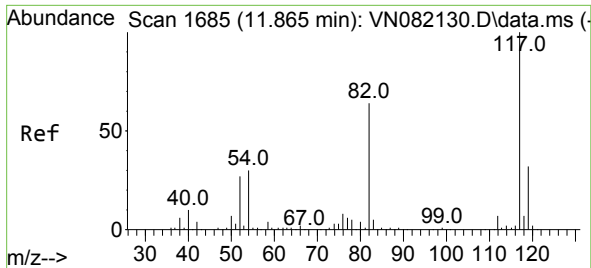
Tgt Ion: 43 Resp: 158770
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.198 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion: 95 Resp: 127662
Ion Ratio Lower Upper
95 100
174 76.5 0.0 160.6
176 73.1 0.0 152.8

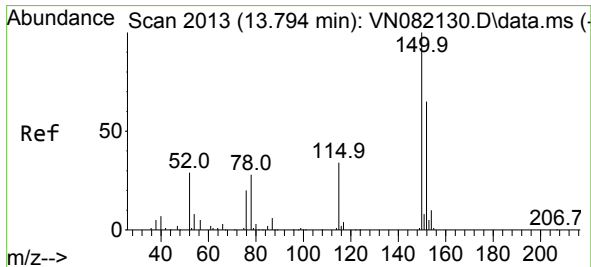
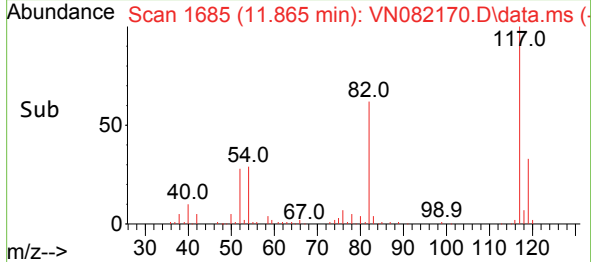
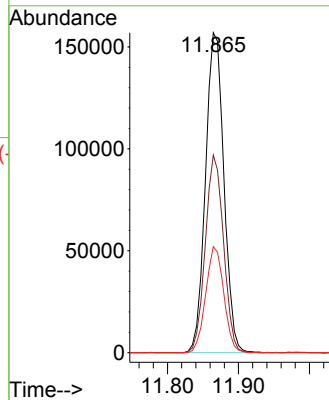
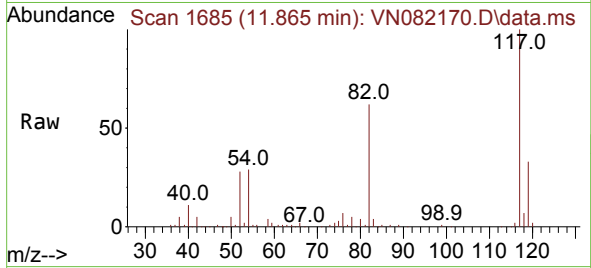




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

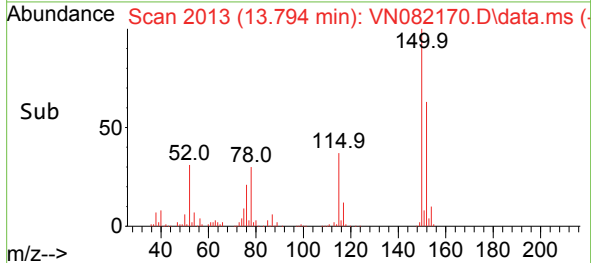
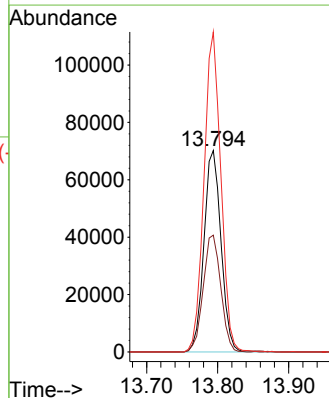
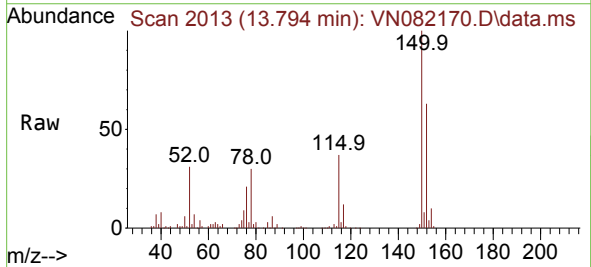
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#05

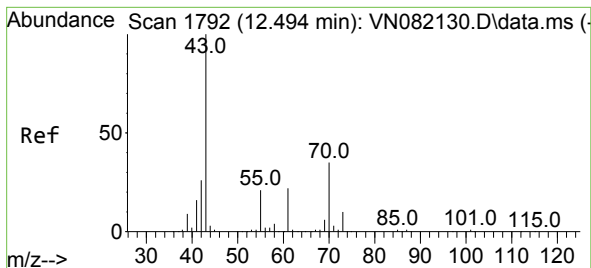
Tgt Ion:117 Resp: 282991
Ion Ratio Lower Upper
117 100
82 61.8 44.6 66.8
119 33.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082170.D
Acq: 16 May 2024 18:30

Tgt Ion:152 Resp: 117501
Ion Ratio Lower Upper
152 100
115 59.6 30.4 91.3
150 156.7 0.0 353.2





#74

N-amy1 acetate

Concen: 0.328 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN082170.D

Acq: 16 May 2024 18:30

Instrument :

MSVOA_N

ClientSampleId :

PB160937ZHE#05

Tgt Ion: 43 Resp: 1682

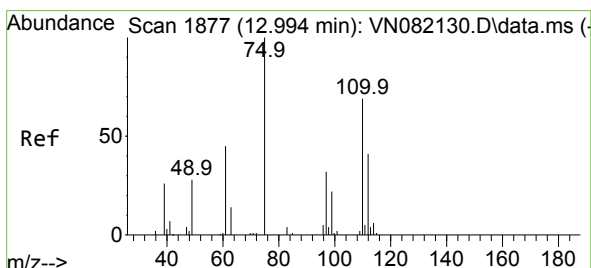
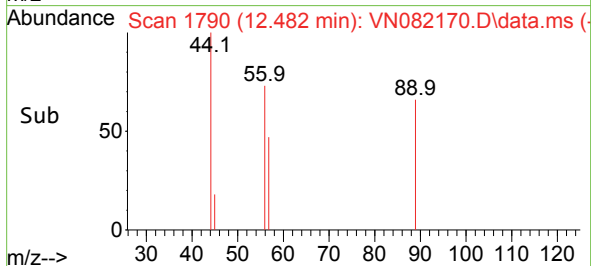
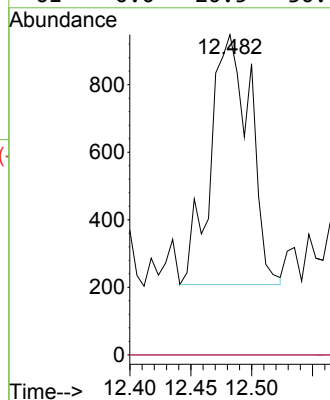
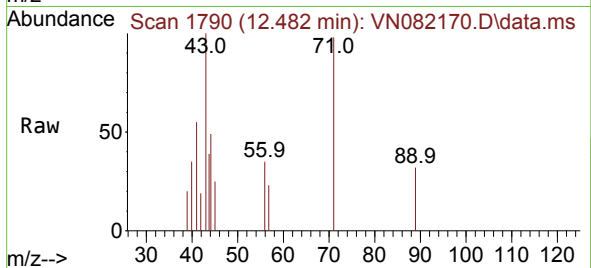
Ion Ratio Lower Upper

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: 31.278 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082170.D

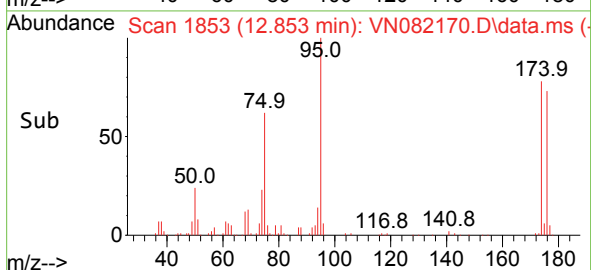
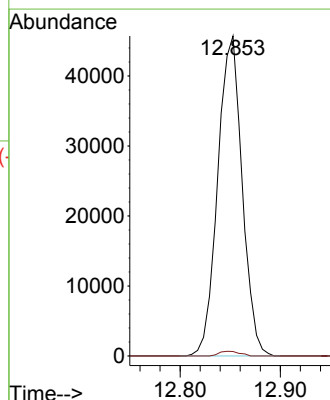
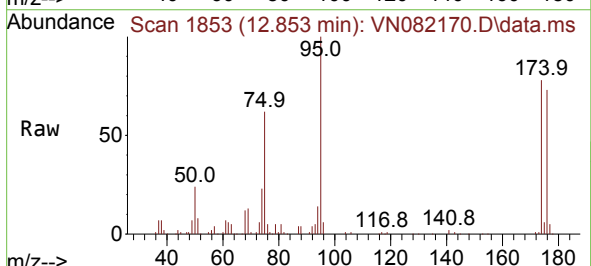
Acq: 16 May 2024 18:30

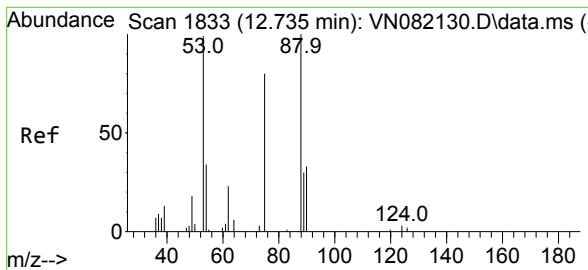
Tgt Ion: 75 Resp: 77355

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.159 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082170.D
 Acq: 16 May 2024 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#05

Tgt Ion: 75 Resp: 77355
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

