

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082184.D
 Acq On : 17 May 2024 17:22
 Operator : JC\MD
 Sample : PB160967ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#02

Quant Time: May 17 23:13:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

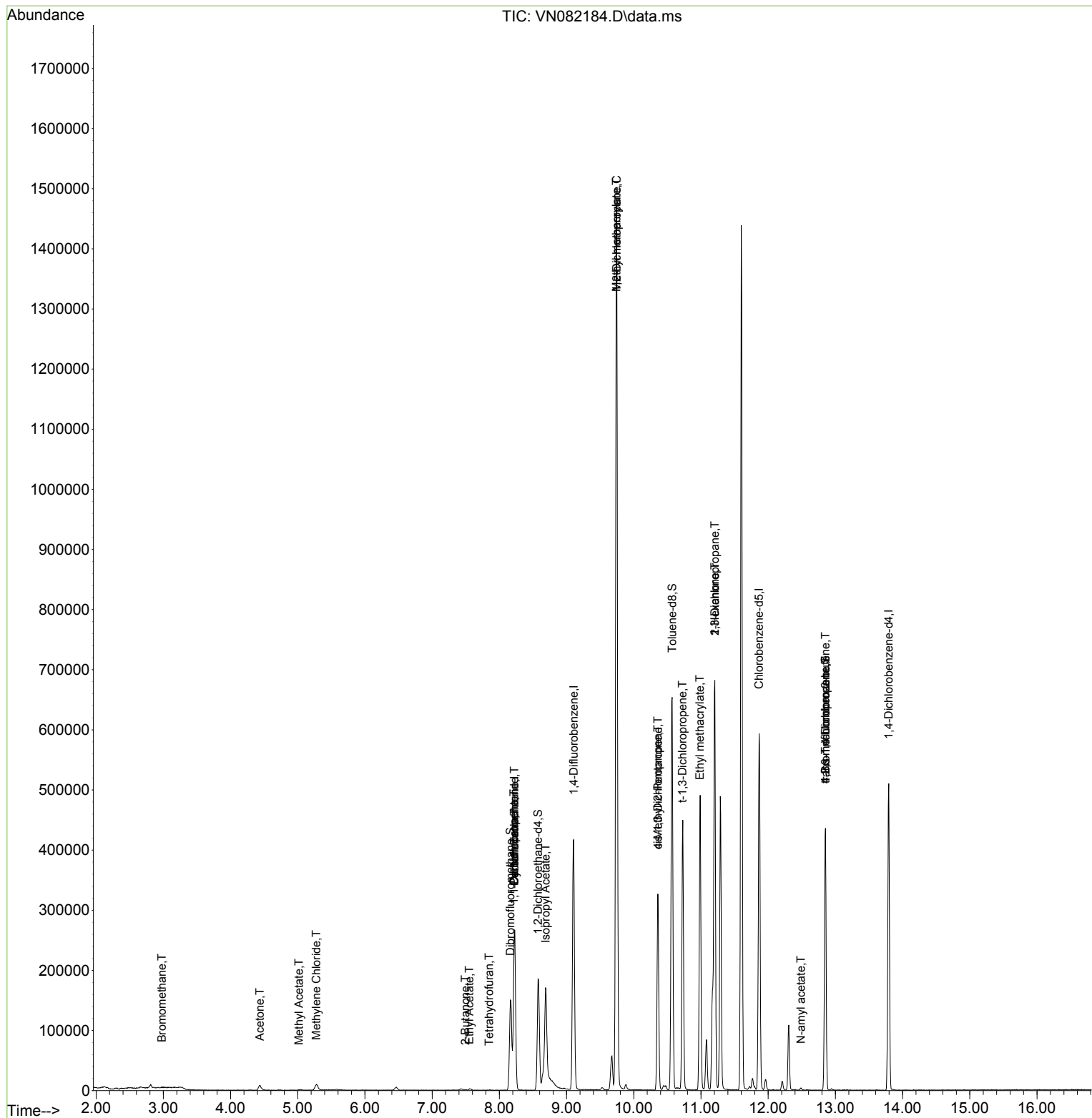
Internal Standards						
1) Pentafluorobenzene	8.224	168	185941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154497	52.621	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.240%	
35) Dibromofluoromethane	8.165	113	107149	53.199	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.400%	
50) Toluene-d8	10.571	98	427156	55.317	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.640%	
62) 4-Bromofluorobenzene	12.853	95	141647	51.393	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 102.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	348	0.212	ug/l #	19
16) Acetone	4.436	43	15127	12.560	ug/l #	85
18) Methyl Acetate	5.018	43	814	0.271	ug/l #	47
20) Methylene Chloride	5.277	84	6676	2.747	ug/l #	73
25) 2-Butanone	7.494	43	1859	1.018	ug/l #	43
29) Tetrahydrofuran	7.847	42	256	0.218	ug/l #	47
31) Cyclohexane	8.224	56	5347	1.140	ug/l #	46
36) 1,1-Dichloropropene	8.218	75	17647	5.224	ug/l #	48
37) Ethyl Acetate	7.553	43	4167	1.102	ug/l #	81
38) Carbon Tetrachloride	8.224	117	20363	5.947	ug/l #	17
43) Isopropyl Acetate	8.688	43	241722	36.085	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1608	0.619	ug/l #	45
48) Methyl methacrylate	9.741	41	149156	46.730	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	131791	34.628	ug/l #	42
53) t-1,3-Dichloropropene	10.724	75	795	0.213	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	49195	12.475	ug/l #	74
56) Ethyl methacrylate	10.982	69	1543	0.414	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6435	1.567	ug/l #	42
59) 2-Hexanone	11.206	43	104136	37.369	ug/l #	47
74) N-amyl acetate	12.488	43	1555	0.283	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	81877	30.992	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	81877	72.488	ug/l #	12

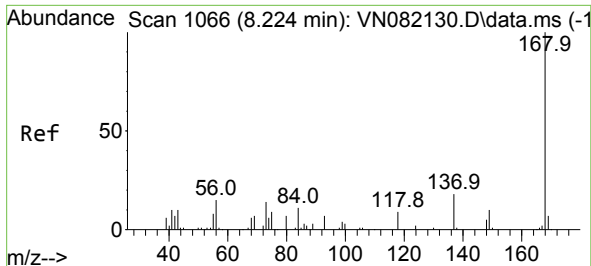
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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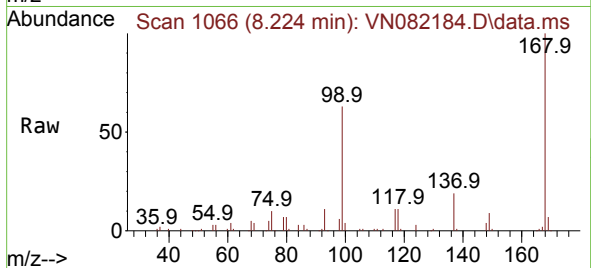
Quant Time: May 17 23:13:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
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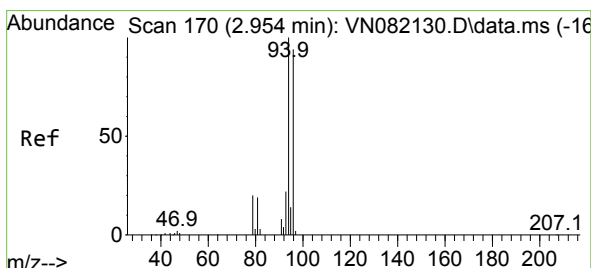
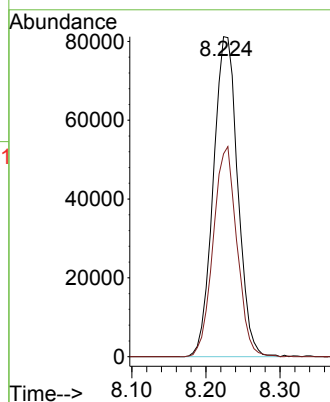
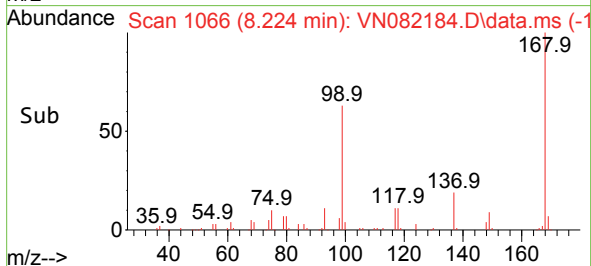


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082184.D
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Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02

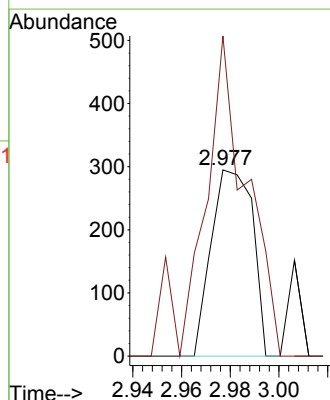
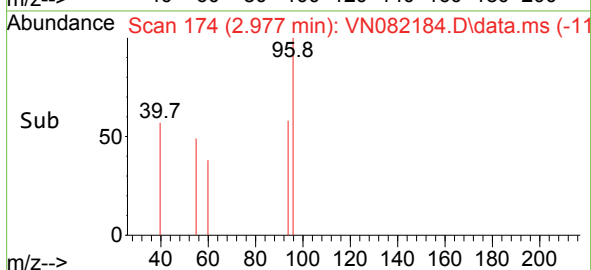
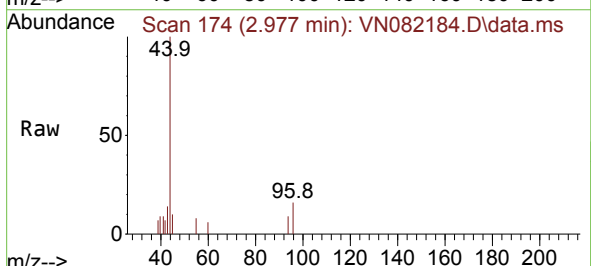


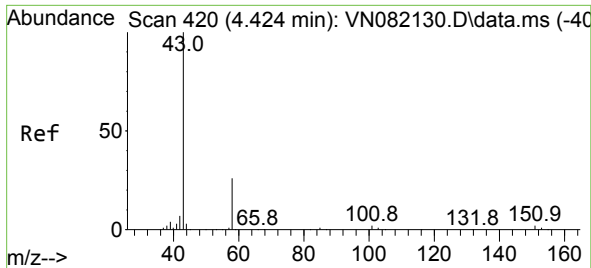
Tgt Ion:168 Resp: 185941
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#5
Bromomethane
Concen: 0.212 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 94 Resp: 348
Ion Ratio Lower Upper
94 100
96 171.9 74.8 112.2#

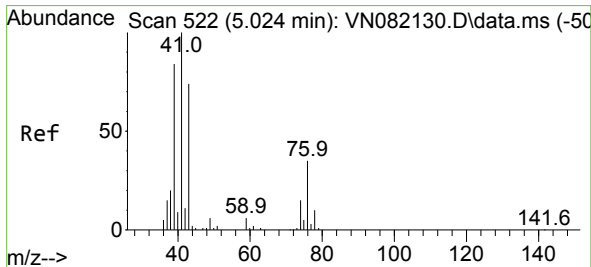
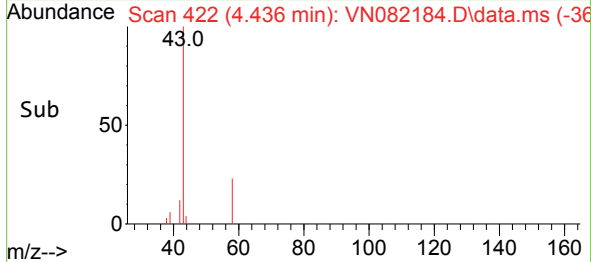
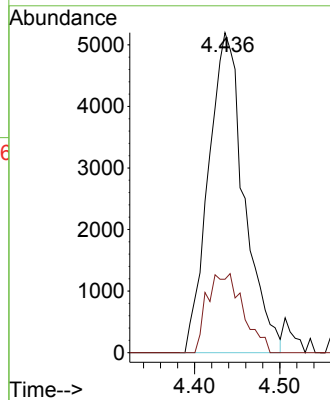
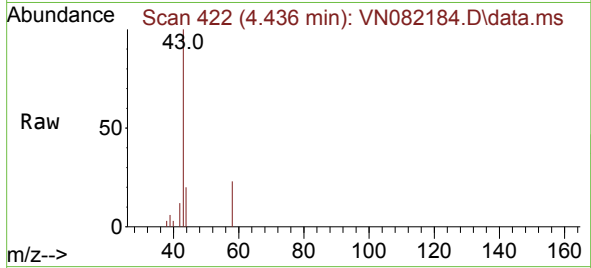




#16
Acetone
Concen: 12.560 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

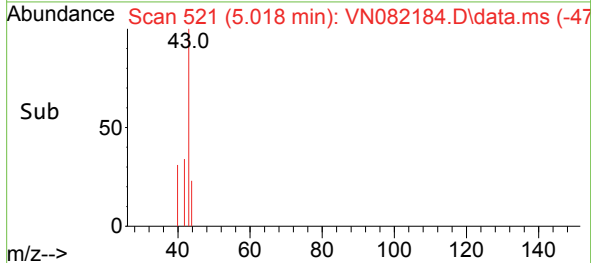
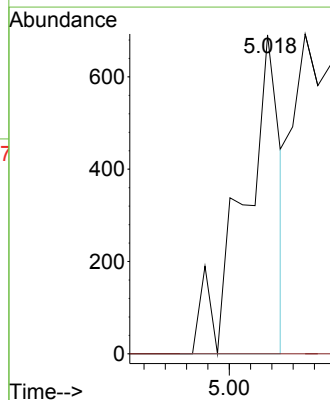
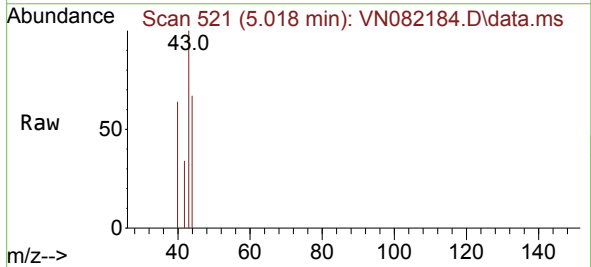
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02

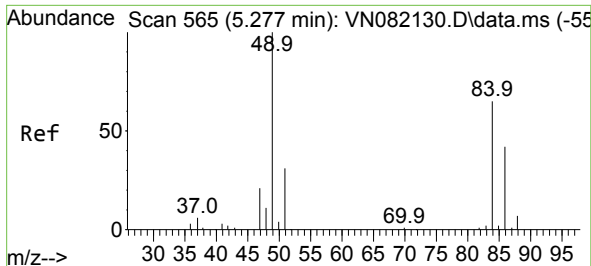
Tgt Ion: 43 Resp: 15127
Ion Ratio Lower Upper
43 100
58 22.9 25.2 37.8#



#18
Methyl Acetate
Concen: 0.271 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

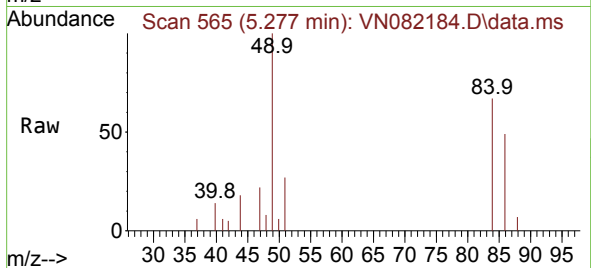
Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#





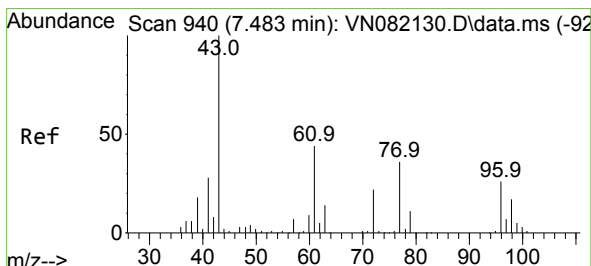
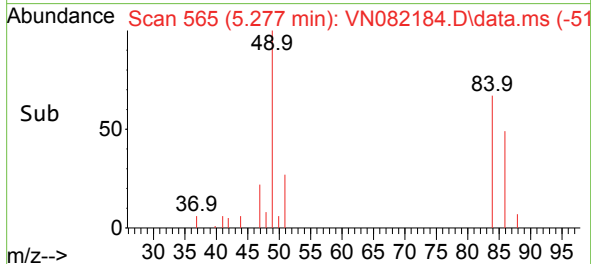
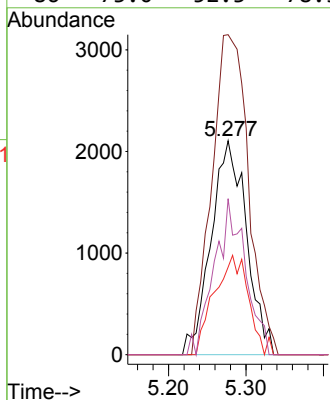
#20
Methylene Chloride
Concen: 2.747 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02



Tgt Ion: 84 Resp: 6676

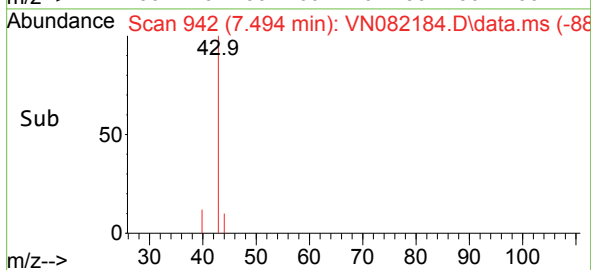
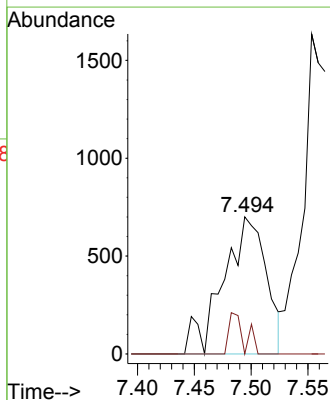
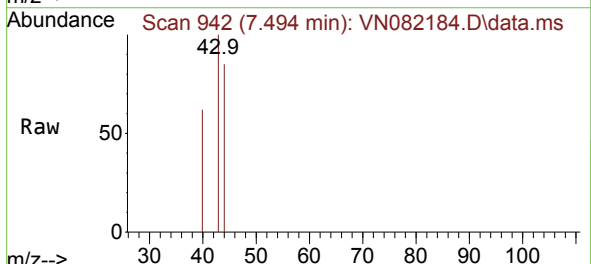
Ion	Ratio	Lower	Upper
84	100		
49	149.6	84.9	127.3#
51	40.9	27.0	40.6#
86	73.0	52.3	78.5

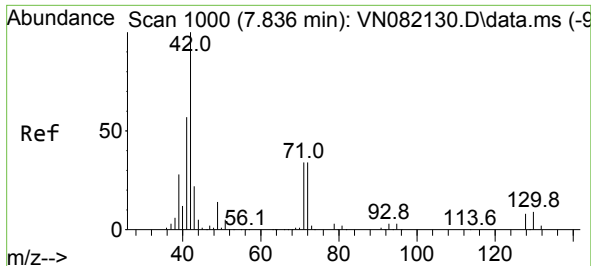


#25
2-Butanone
Concen: 1.018 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 43 Resp: 1859

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.011 min

Lab File: VN082184.D

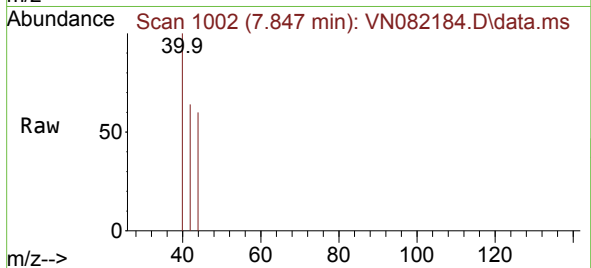
Acq: 17 May 2024 17:22

Instrument :

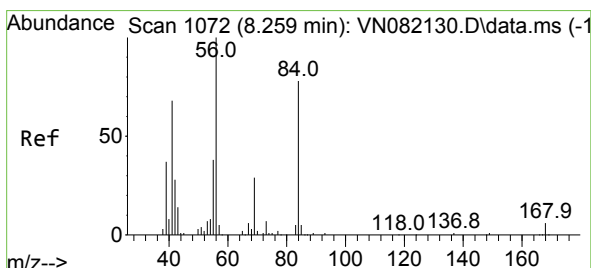
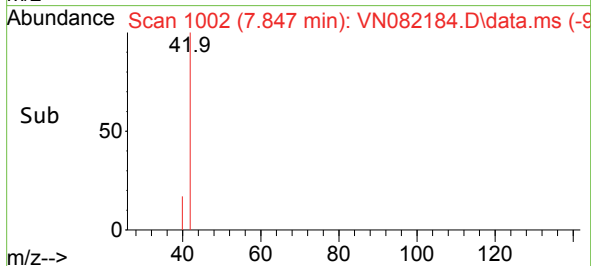
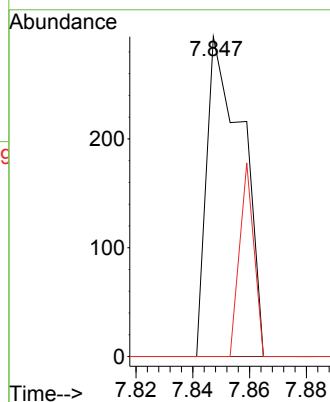
MSVOA_N

ClientSampleId :

PB160967ZHE#02



Tgt Ion:	42	Resp:	256
Ion Ratio	Lower	Upper	
42	100		
72	0.0	39.3	58.9#
71	24.6	37.4	56.0#



#31

Cyclohexane

Concen: 1.140 ug/l

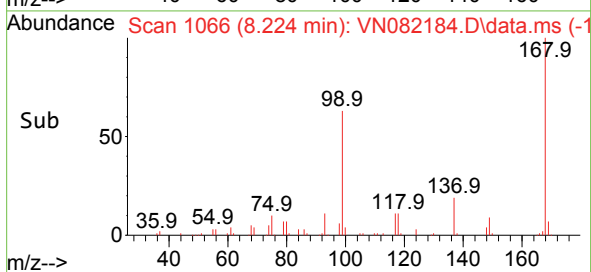
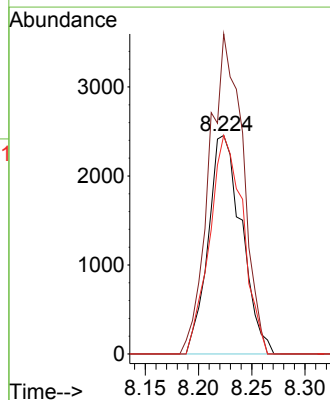
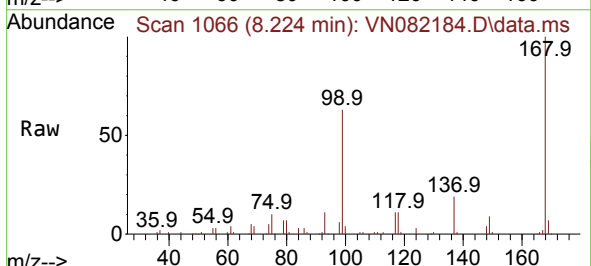
RT: 8.224 min Scan# 1066

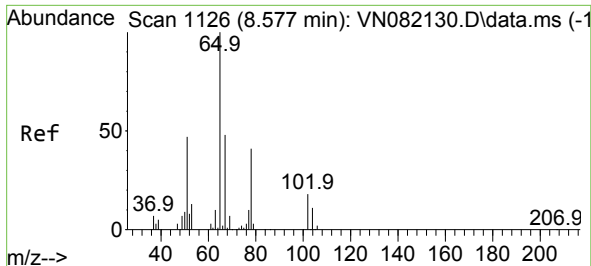
Delta R.T. -0.035 min

Lab File: VN082184.D

Acq: 17 May 2024 17:22

Tgt Ion:	56	Resp:	5347
Ion Ratio	Lower	Upper	
56	100		
69	146.4	24.4	36.6#
84	100.0	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 52.621 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082184.D

Acq: 17 May 2024 17:22

Instrument :

MSVOA_N

ClientSampleId :

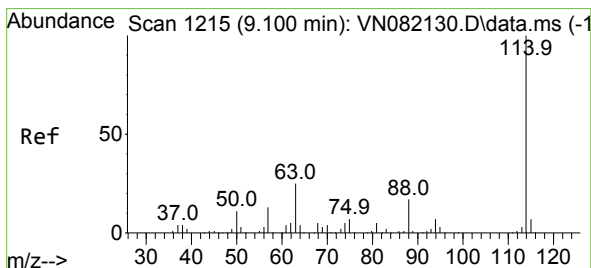
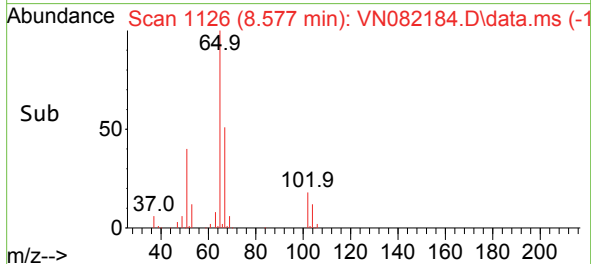
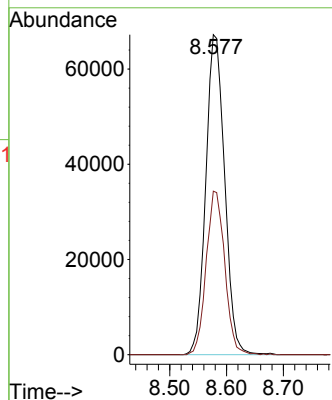
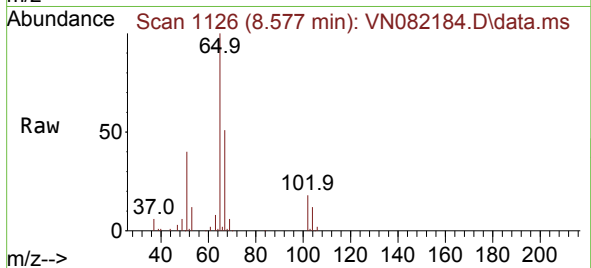
PB160967ZHE#02

Tgt Ion: 65 Resp: 154497

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082184.D

Acq: 17 May 2024 17:22

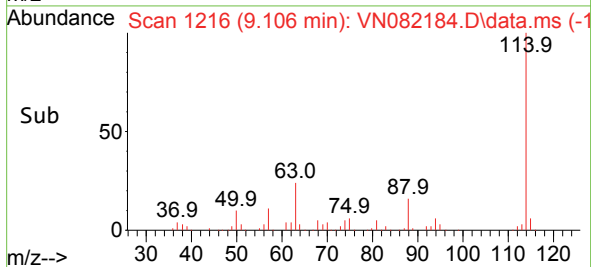
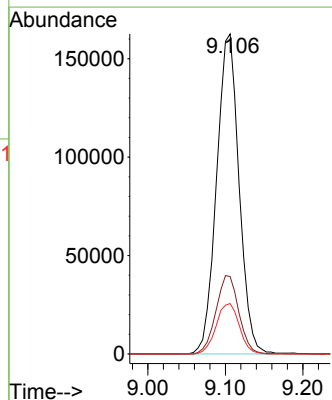
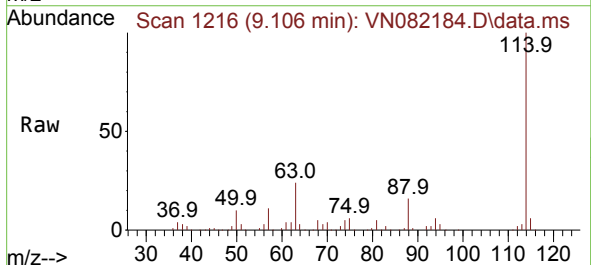
Tgt Ion: 114 Resp: 327417

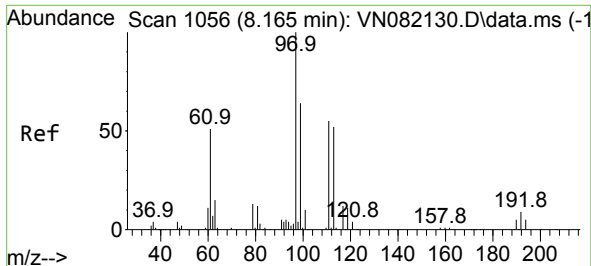
Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.0

88 15.8 0.0 31.4

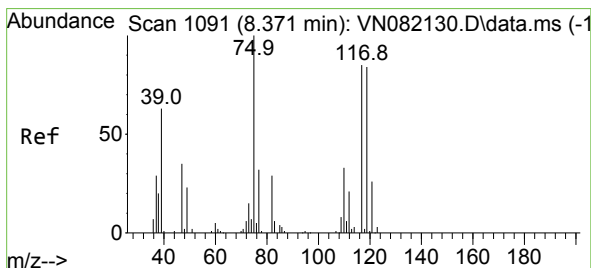
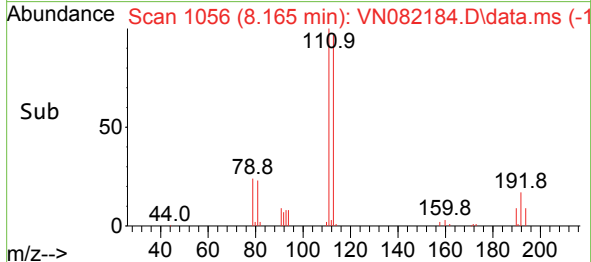
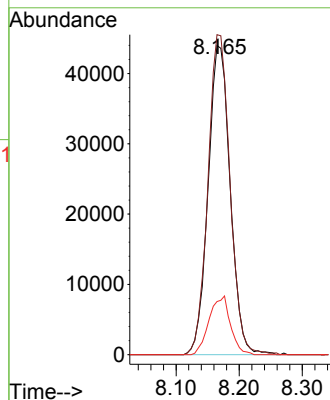
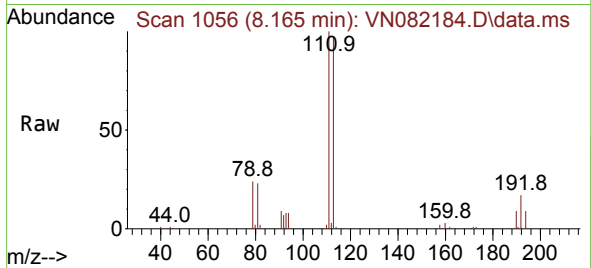




#35
Dibromofluoromethane
Concen: 53.199 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

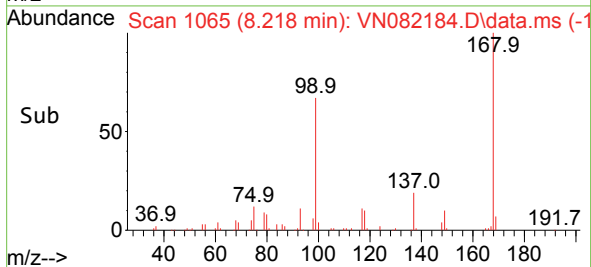
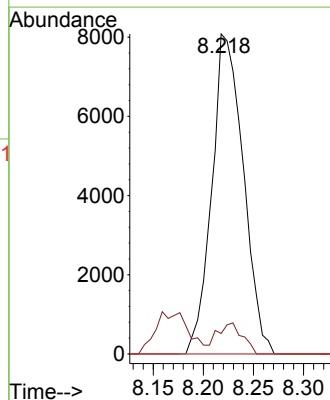
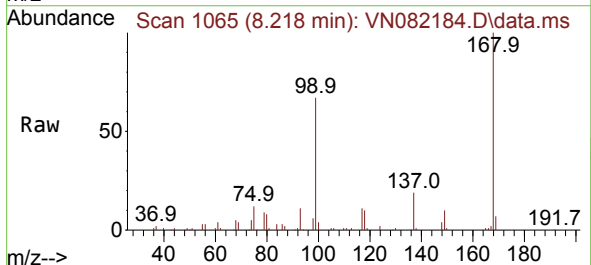
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PB160967ZHE#02

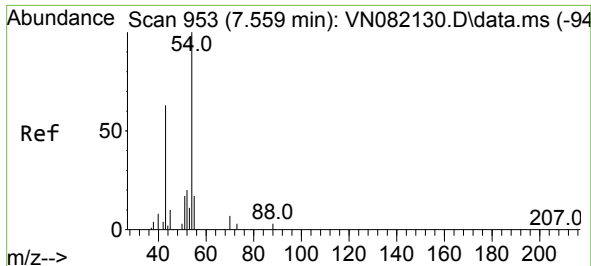
Tgt Ion:113 Resp: 107149
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 18.3 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.224 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 75 Resp: 17647
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.5#
77 0.0 25.0 37.4#

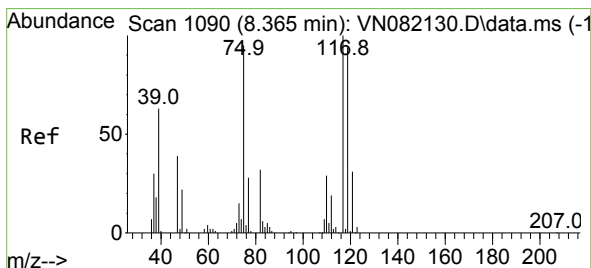
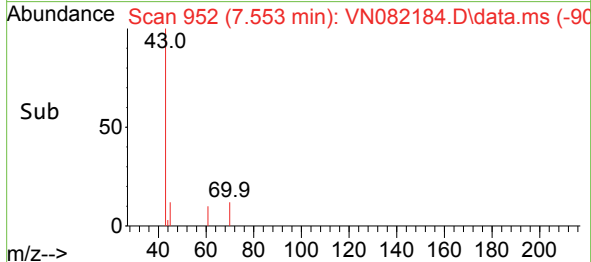
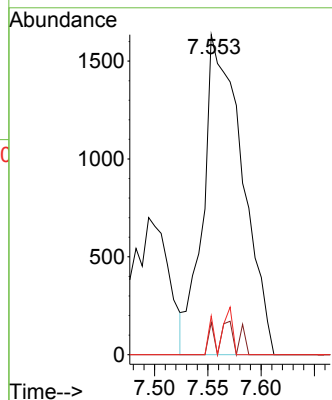
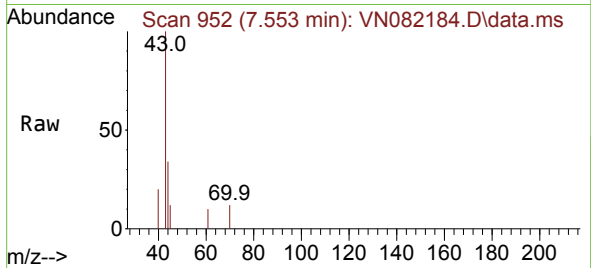




#37
Ethyl Acetate
Concen: 1.102 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

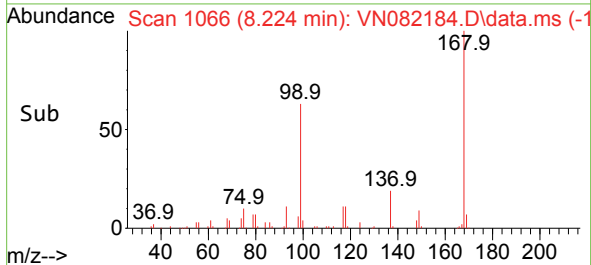
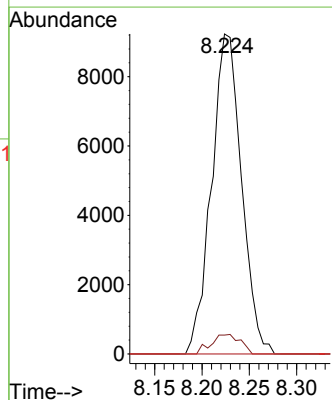
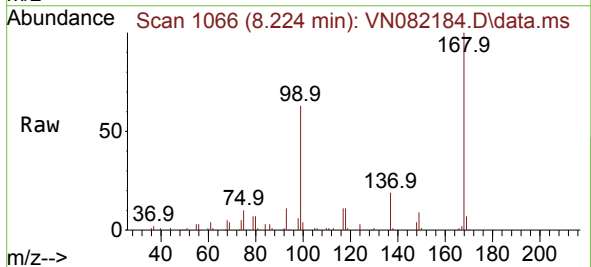
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PB160967ZHE#02

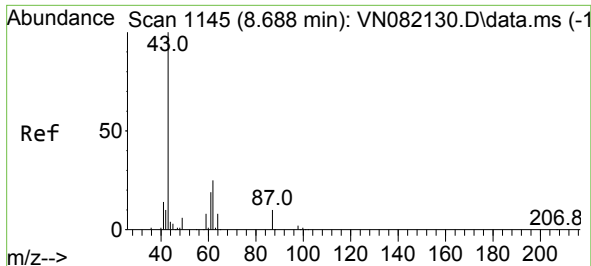
Tgt Ion: 43 Resp: 4167
Ion Ratio Lower Upper
43 100
61 5.5 11.3 16.9#
70 5.1 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

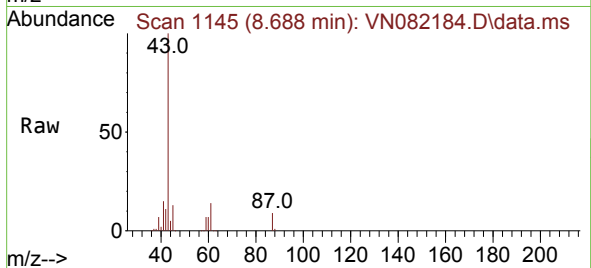
Tgt Ion: 117 Resp: 20363
Ion Ratio Lower Upper
117 100
119 5.9 76.5 114.7#
121 0.0 23.9 35.9#



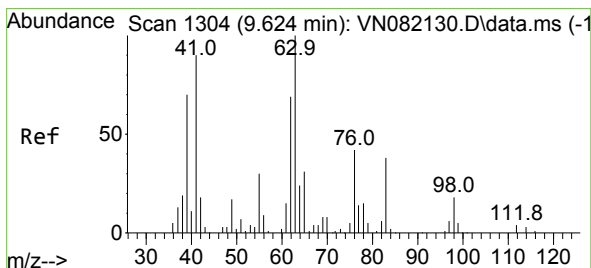
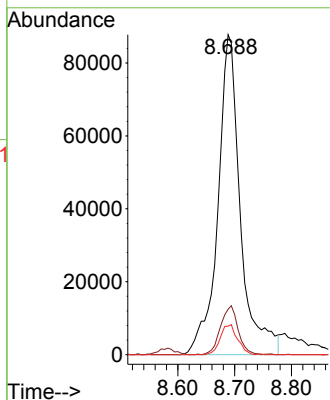
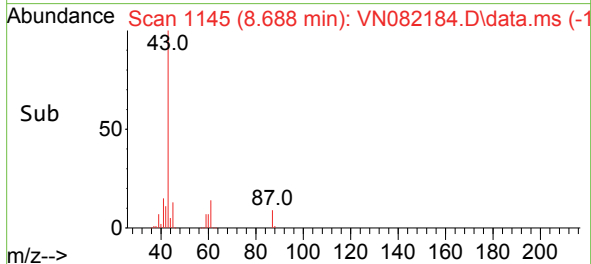


#43
Isopropyl Acetate
Concen: 36.085 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02

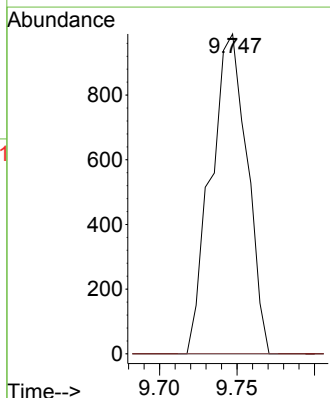
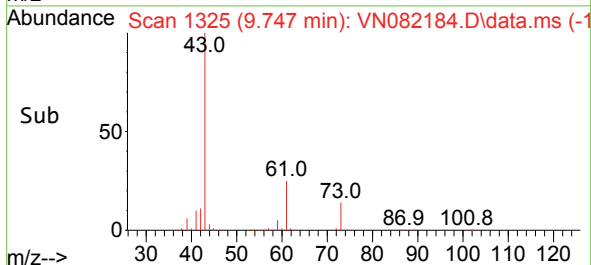
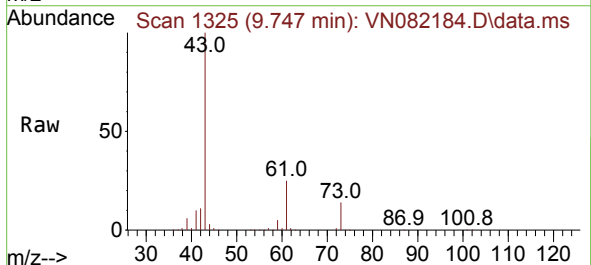


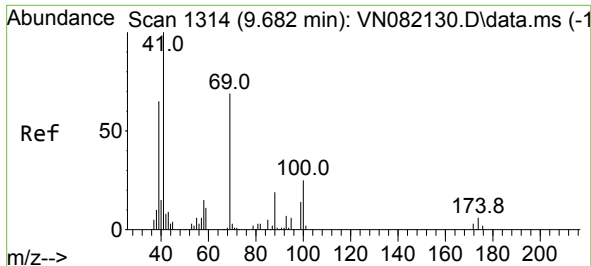
Tgt Ion: 43 Resp: 241722
Ion Ratio Lower Upper
43 100
61 12.0 22.8 34.2#
87 7.2 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.619 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 63 Resp: 1608
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

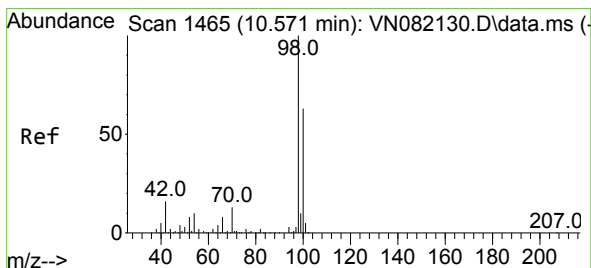
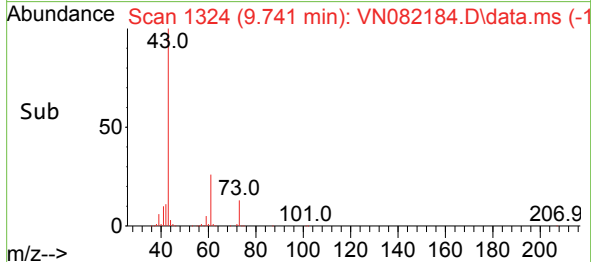
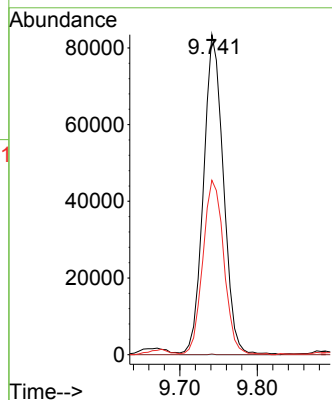
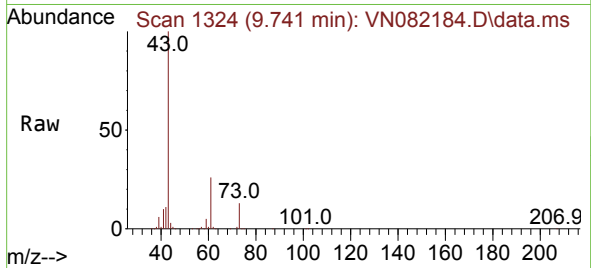




#48
Methyl methacrylate
Concen: 46.730 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

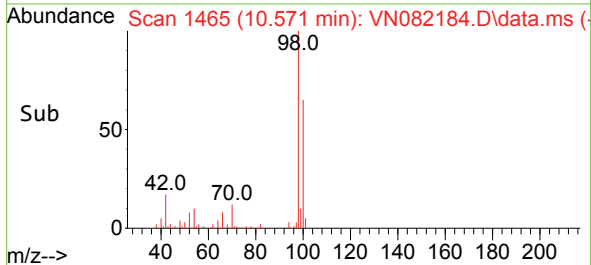
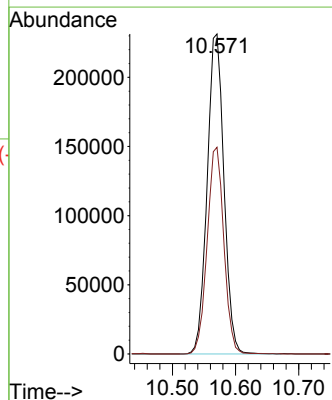
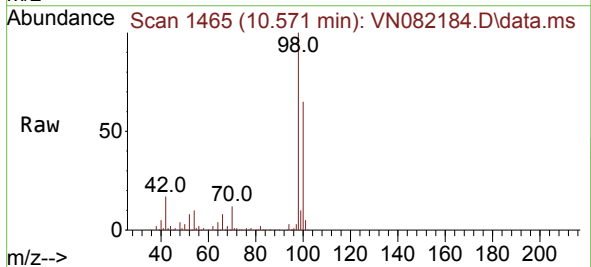
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02

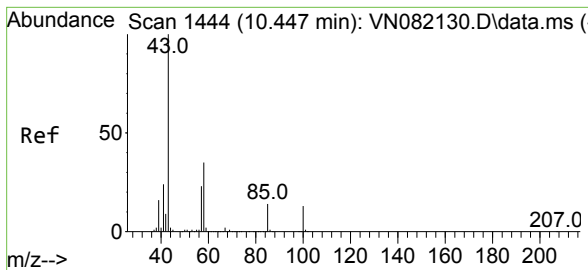
Tgt Ion: 41 Resp: 149156
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 57.5 50.9 76.3



#50
Toluene-d8
Concen: 55.317 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 98 Resp: 427156
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6

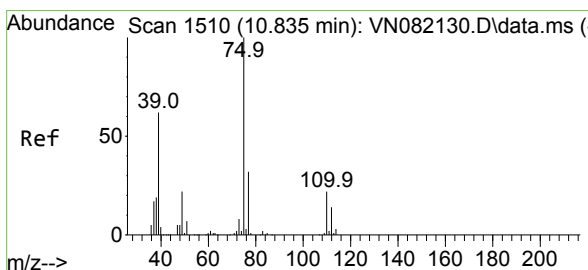
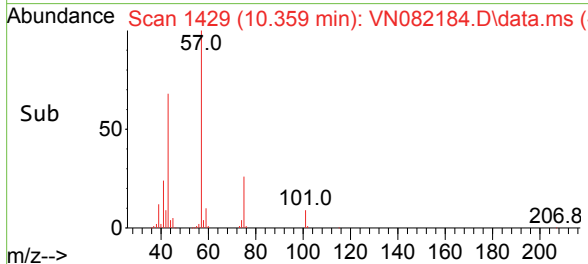
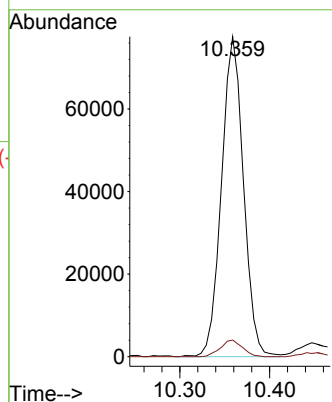
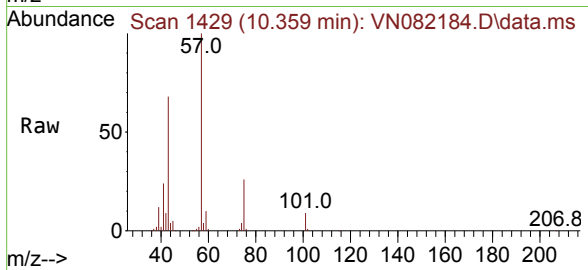




#51
4-Methyl-2-Pentanone
Concen: 34.628 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

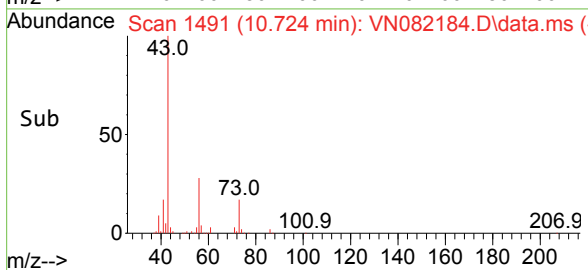
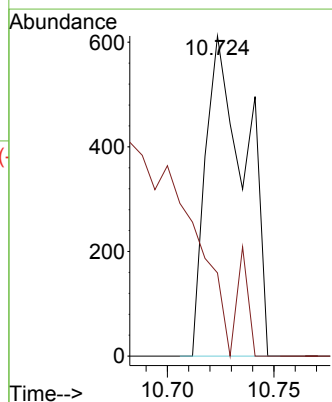
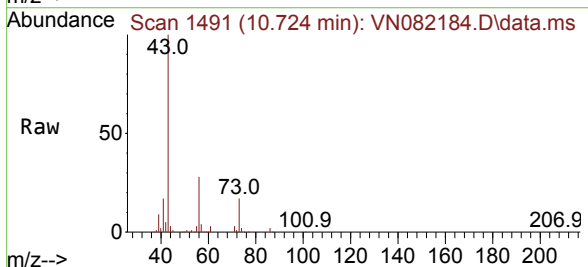
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02

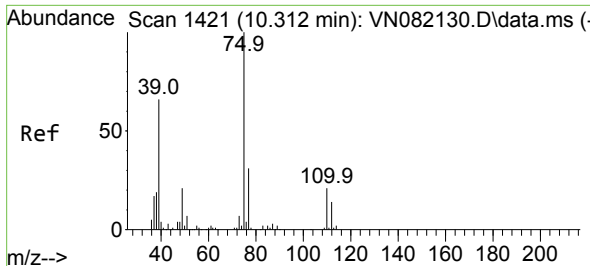
Tgt Ion: 43 Resp: 131791
Ion Ratio Lower Upper
43 100
58 5.2 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.213 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 75 Resp: 795
Ion Ratio Lower Upper
75 100
77 26.0 25.4 38.0

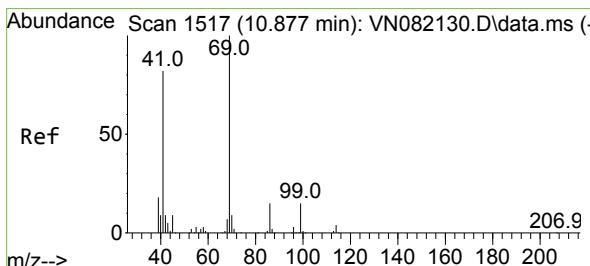
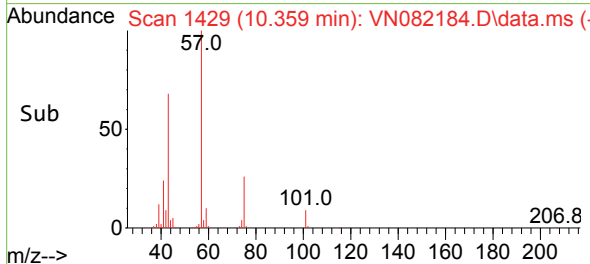
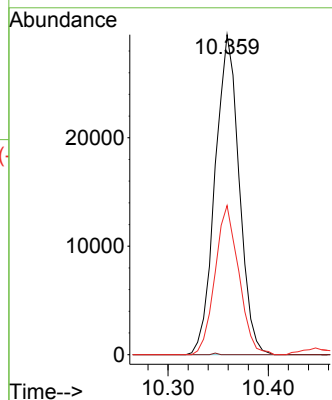
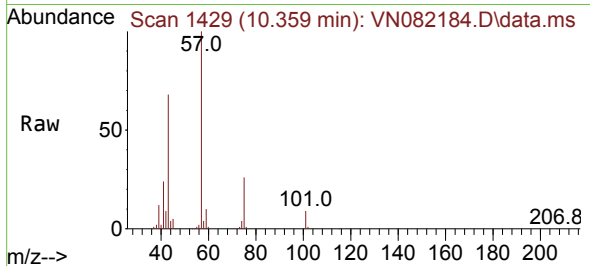




#54
 cis-1,3-Dichloropropene
 Concen: 12.475 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082184.D
 Acq: 17 May 2024 17:22

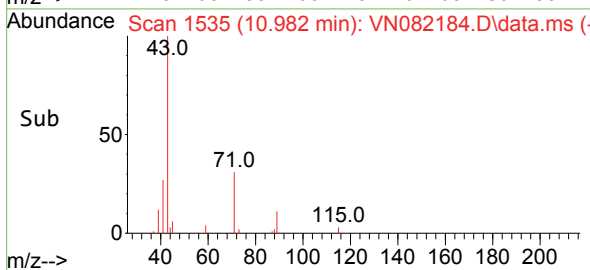
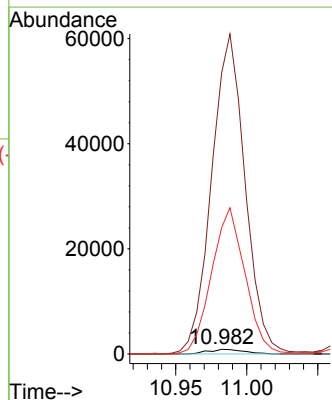
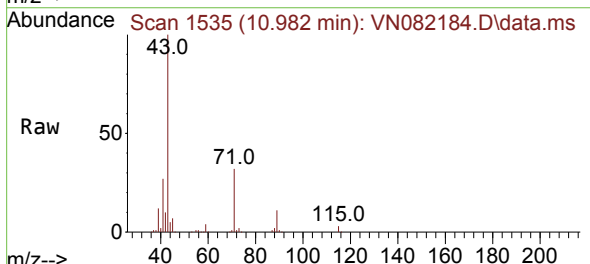
Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#02

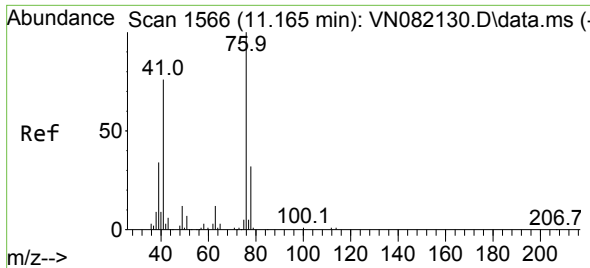
Tgt Ion: 75 Resp: 49195
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 46.6 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.414 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082184.D
 Acq: 17 May 2024 17:22

Tgt Ion: 69 Resp: 1543
 Ion Ratio Lower Upper
 69 100
 41 6489.8 46.6 70.0#
 39 2954.0 26.5 39.7#

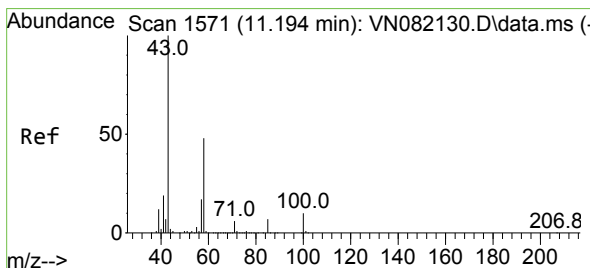
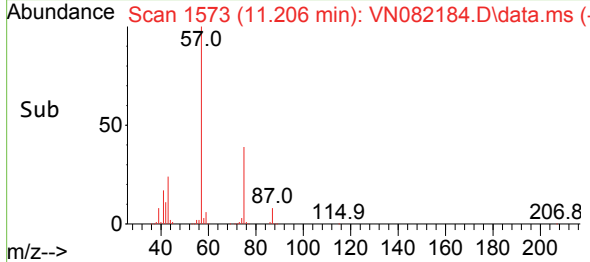
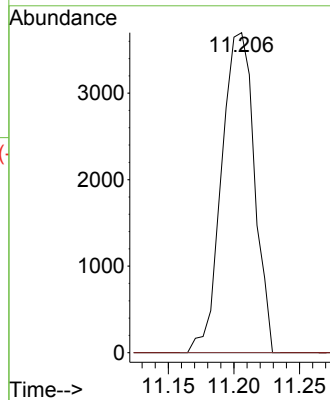
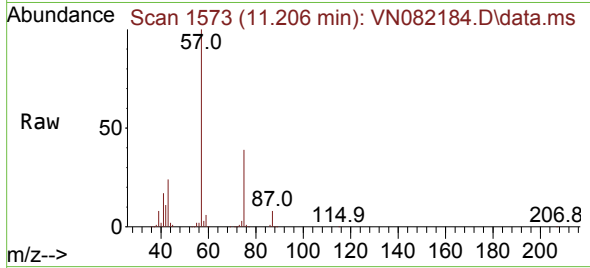




#57
1,3-Dichloropropane
Concen: 1.567 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

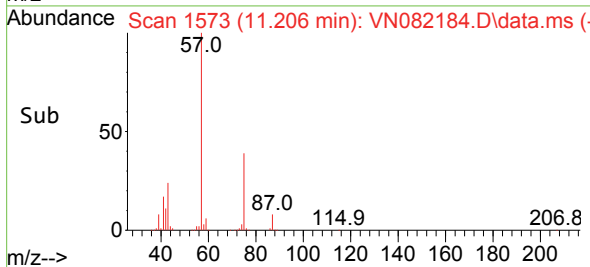
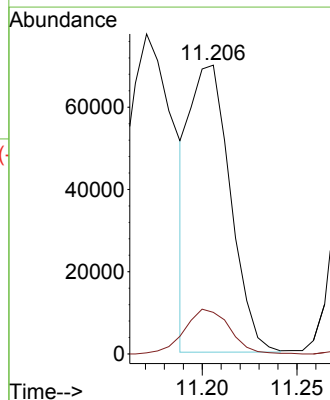
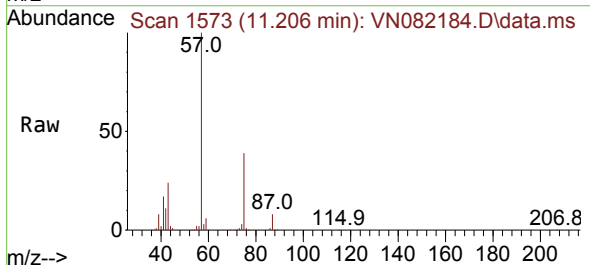
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02

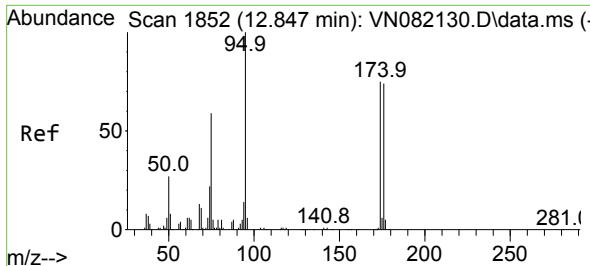
Tgt Ion: 76 Resp: 6435
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 37.369 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 43 Resp: 104136
Ion Ratio Lower Upper
43 100
58 17.5 28.3 84.9#

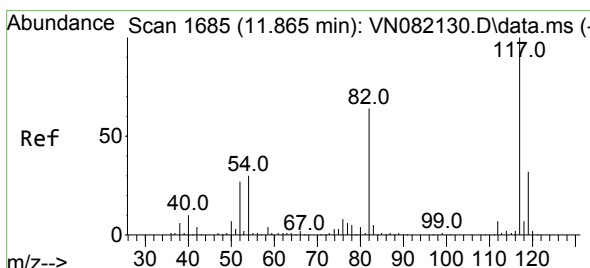
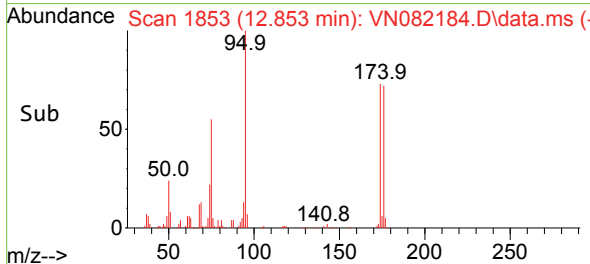
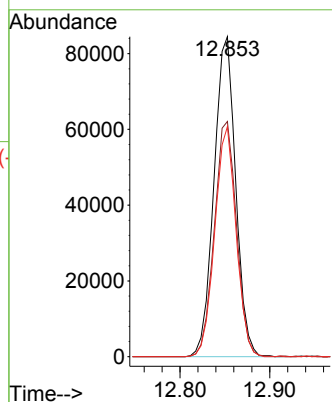
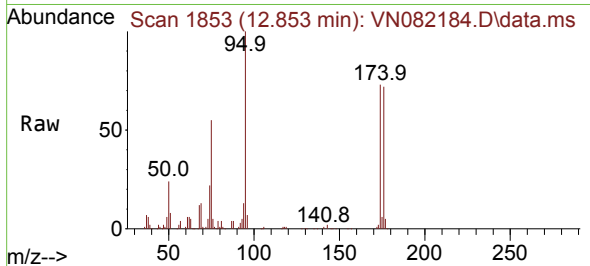




#62
4-Bromofluorobenzene
Concen: 51.393 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

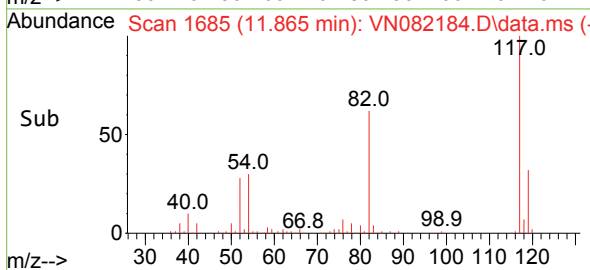
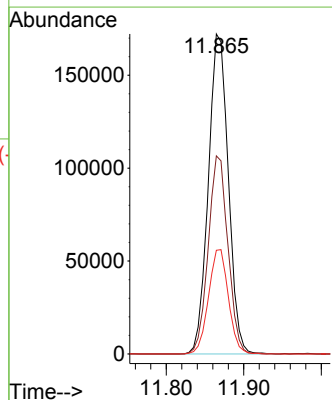
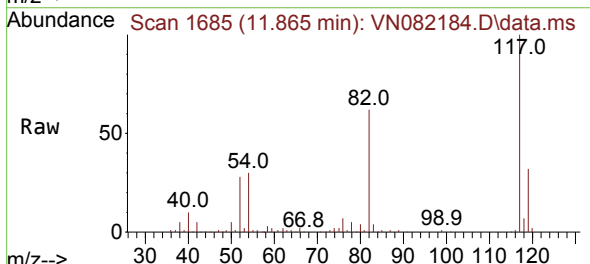
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02

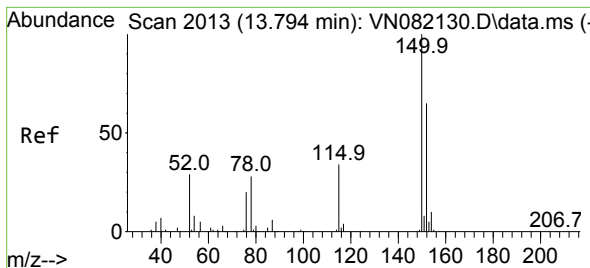
Tgt Ion: 95 Resp: 141647
Ion Ratio Lower Upper
95 100
174 75.0 0.0 160.6
176 70.6 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 117 Resp: 308205
Ion Ratio Lower Upper
117 100
82 61.9 44.6 66.8
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN082184.D

Acq: 17 May 2024 17:22

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#02

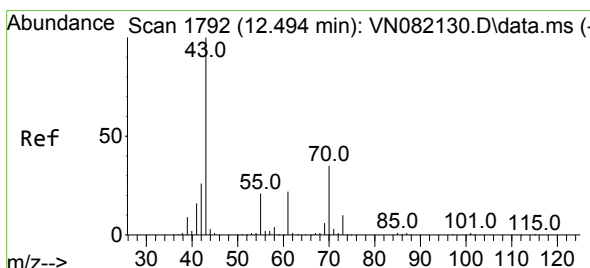
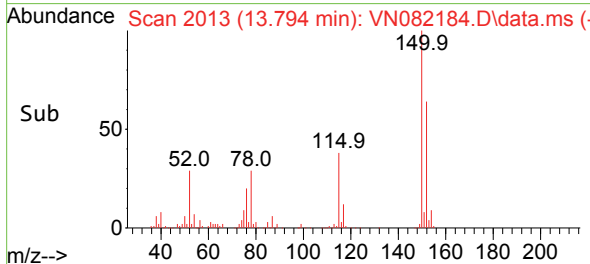
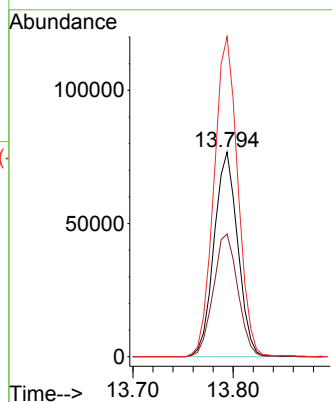
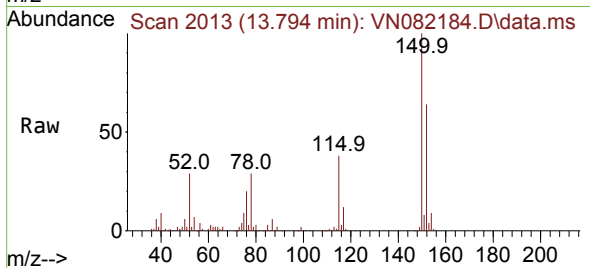
Tgt Ion:152 Resp: 125520

Ion Ratio Lower Upper

152 100

115 62.3 30.4 91.3

150 158.2 0.0 353.2



#74

N-ethyl acetate

Concen: 0.283 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN082184.D

Acq: 17 May 2024 17:22

Tgt Ion: 43 Resp: 1555

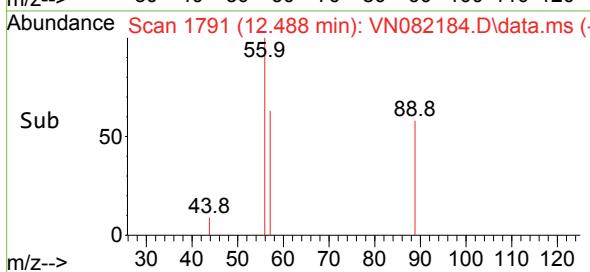
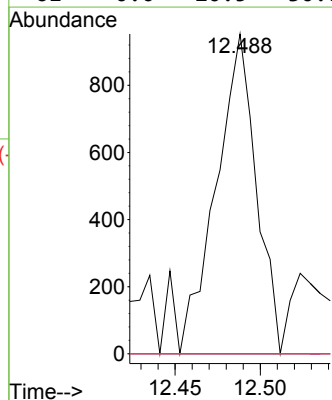
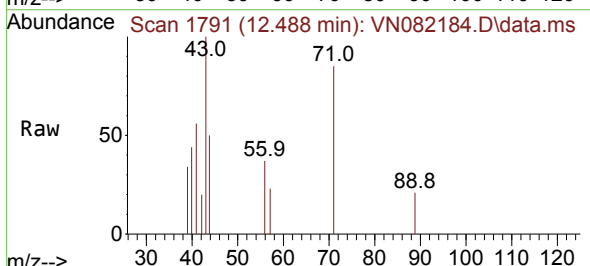
Ion Ratio Lower Upper

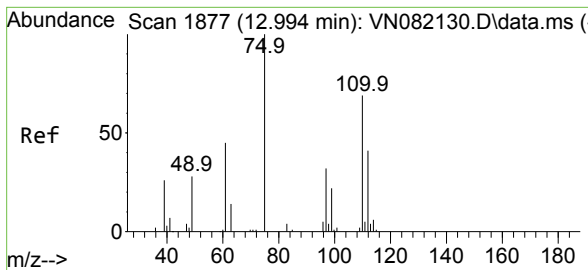
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

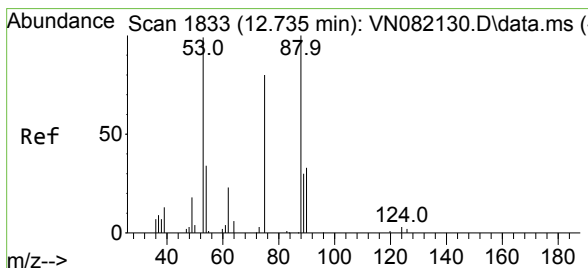
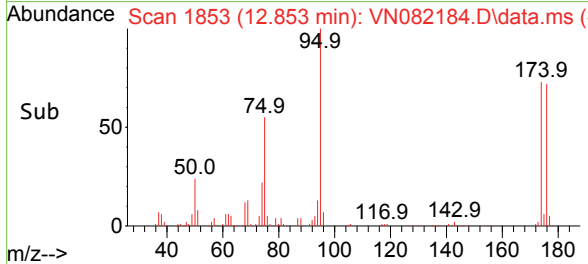
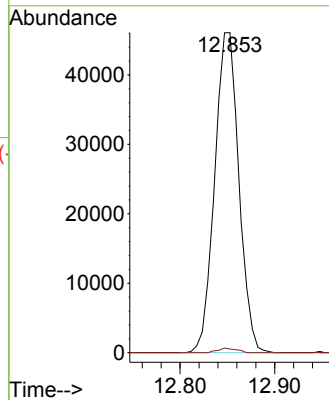
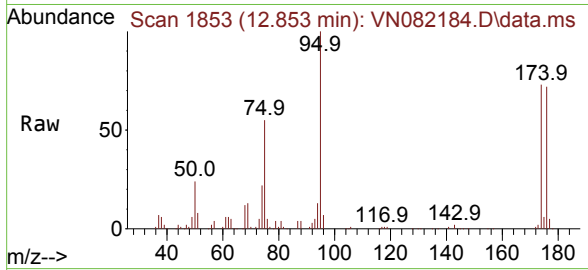




#76
1,2,3-Trichloropropane
Concen: 30.992 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#02

Tgt Ion: 75 Resp: 81877
Ion Ratio Lower Upper
75 100
77 1.1 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.488 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082184.D
Acq: 17 May 2024 17:22

Tgt Ion: 75 Resp: 81877
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

