

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082191.D
 Acq On : 17 May 2024 20:10
 Operator : JC\MD
 Sample : PB160967ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#09

Quant Time: May 17 23:16:58 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

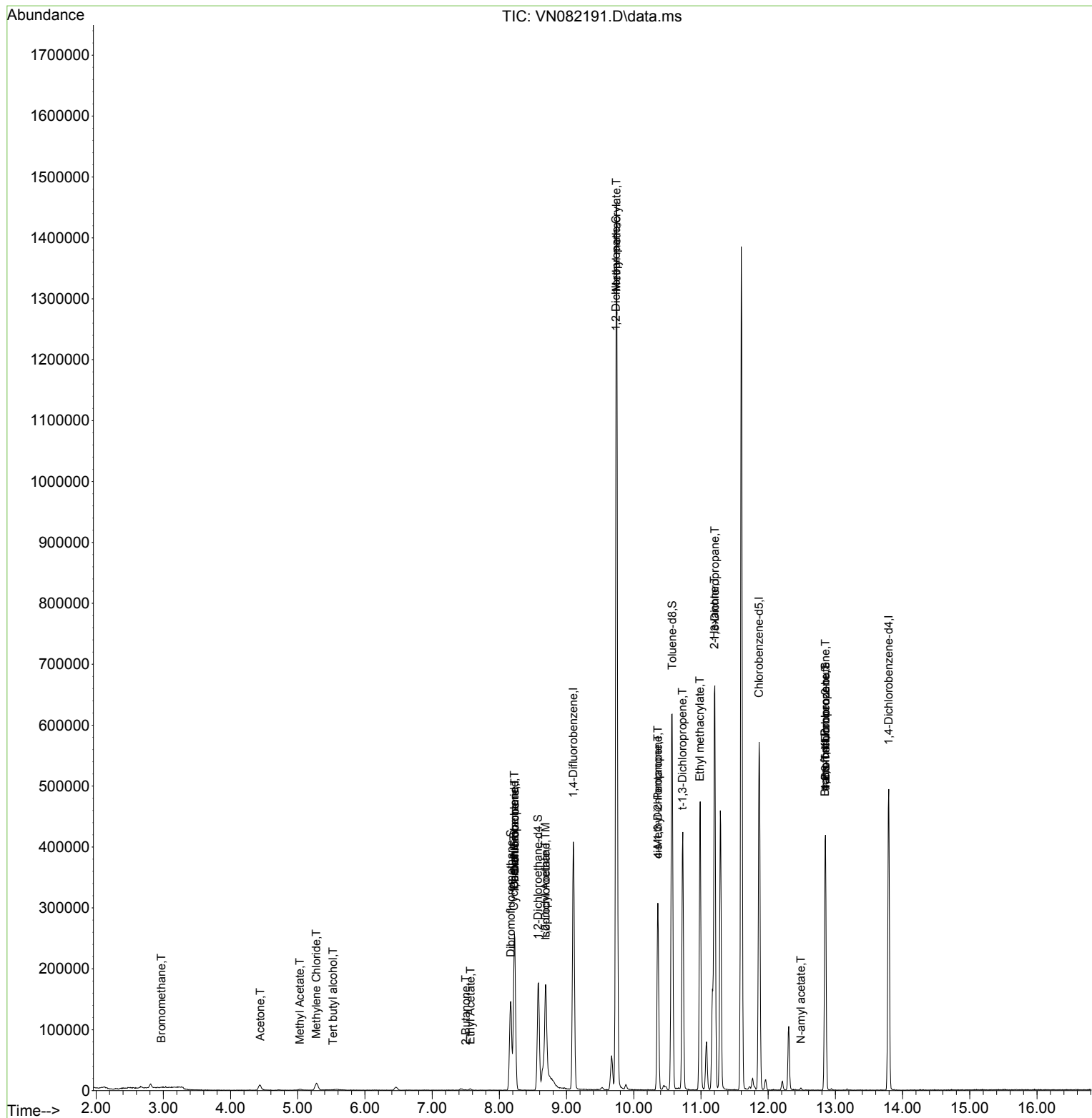
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	174152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	143835	52.305	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.620%	
35) Dibromofluoromethane	8.171	113	102091	52.332	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.660%	
50) Toluene-d8	10.570	98	404727	54.112	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.220%	
62) 4-Bromofluorobenzene	12.853	95	134845	50.512	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.020%	
Target Compounds						Qvalue
5) Bromomethane	2.971	94	371	0.241	ug/l #	70
11) Tert butyl alcohol	5.524	59	180	0.408	ug/l #	71
16) Acetone	4.441	43	16900	14.981	ug/l	93
18) Methyl Acetate	5.030	43	3488	1.242	ug/l #	68
20) Methylene Chloride	5.277	84	7904	3.473	ug/l #	89
25) 2-Butanone	7.500	43	1518	0.888	ug/l	93
31) Cyclohexane	8.218	56	5454	1.242	ug/l #	52
36) 1,1-Dichloropropene	8.229	75	16681	5.098	ug/l #	49
37) Ethyl Acetate	7.571	43	4072	1.112	ug/l #	74
38) Carbon Tetrachloride	8.224	117	18746	5.652	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1056	0.281	ug/l #	73
43) Isopropyl Acetate	8.688	43	253235	39.030	ug/l #	72
45) 1,2-Dichloropropane	9.735	63	1534	0.609	ug/l #	45
48) Methyl methacrylate	9.741	41	147351	47.662	ug/l #	36
51) 4-Methyl-2-Pentanone	10.359	43	125122	33.942	ug/l #	42
53) t-1,3-Dichloropropene	10.723	75	853	0.236	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	46404	12.149	ug/l #	75
56) Ethyl methacrylate	10.982	69	1251	0.346	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6018	1.513	ug/l #	42
59) 2-Hexanone	11.200	43	101455	37.587	ug/l #	47
71) Bromoform	12.847	173	982	1.258	ug/l #	1
74) N-amyl acetate	12.488	43	1873	0.355	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	78393	30.822	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78393	72.092	ug/l #	12

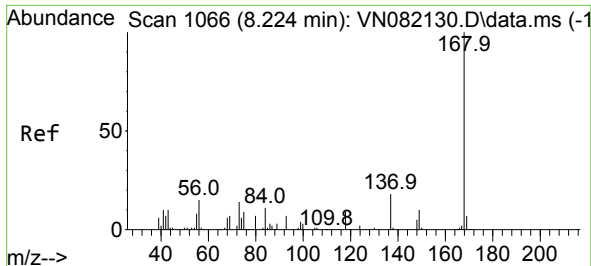
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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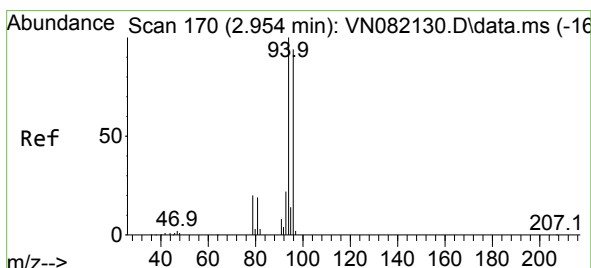
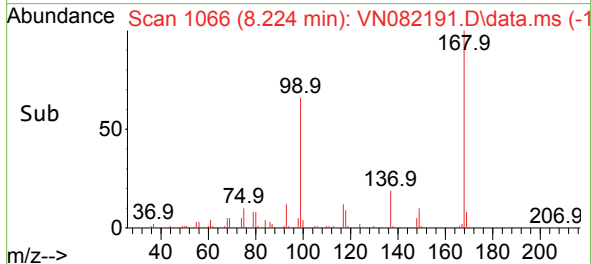
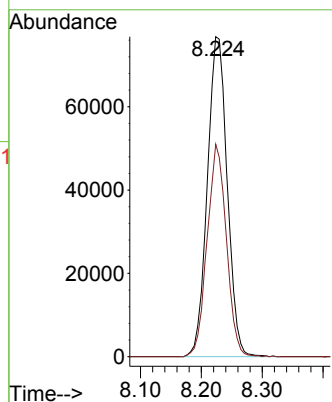
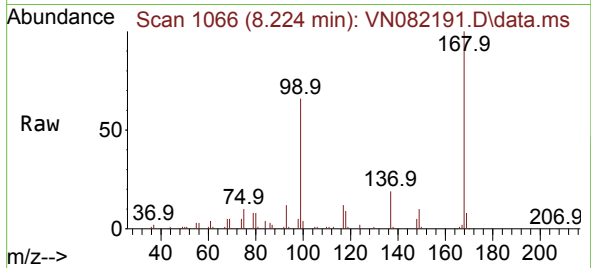




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

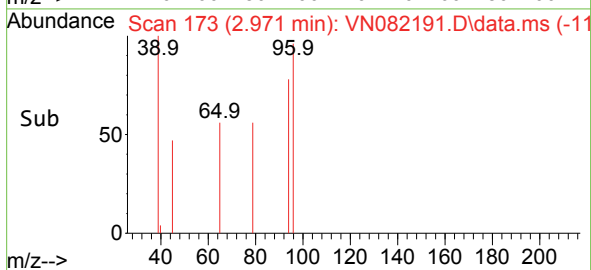
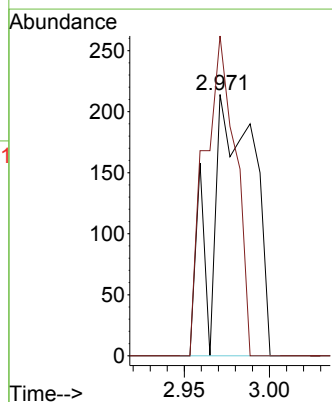
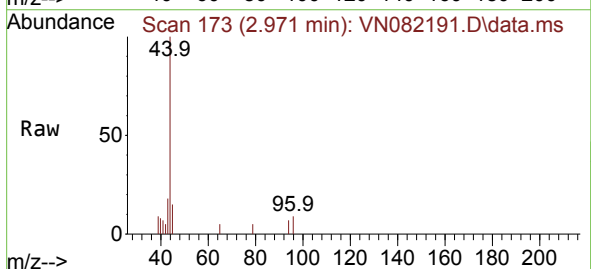
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

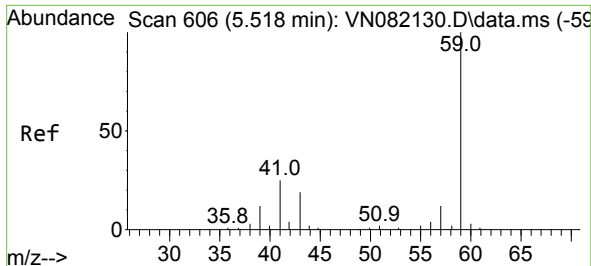
Tgt Ion:168 Resp: 174152
Ion Ratio Lower Upper
168 100
99 66.4 48.2 72.4



#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.017 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 122.4 74.8 112.2#

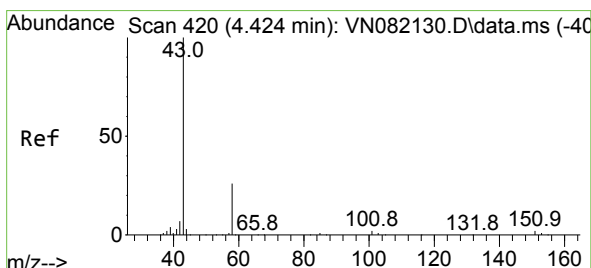
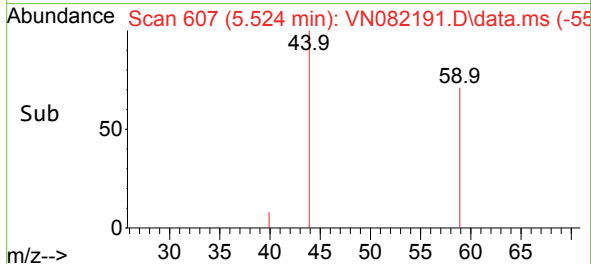
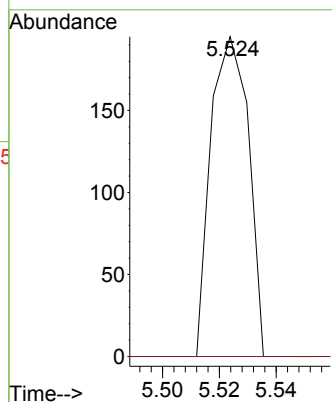
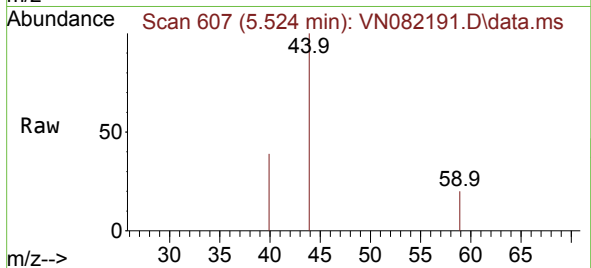




#11
Tert butyl alcohol
Concen: 0.408 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

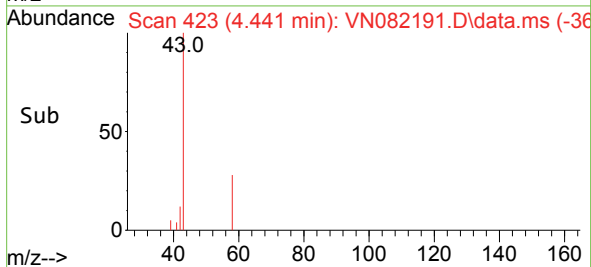
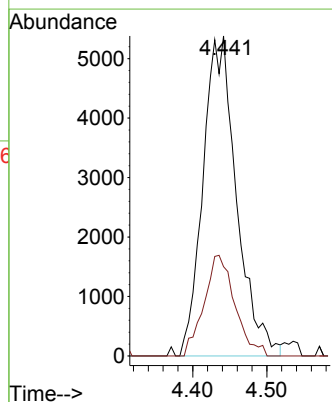
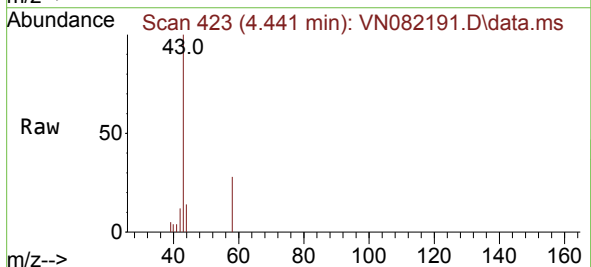
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

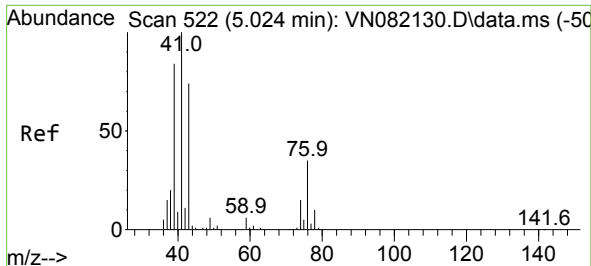
Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 14.981 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.017 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 43 Resp: 16900
Ion Ratio Lower Upper
43 100
58 27.9 25.2 37.8

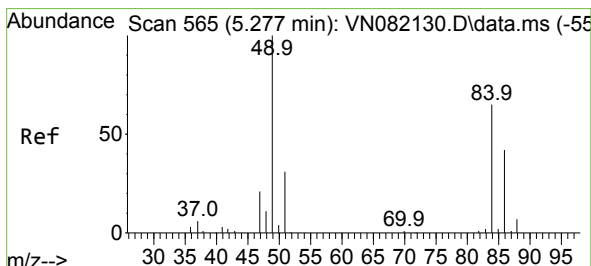
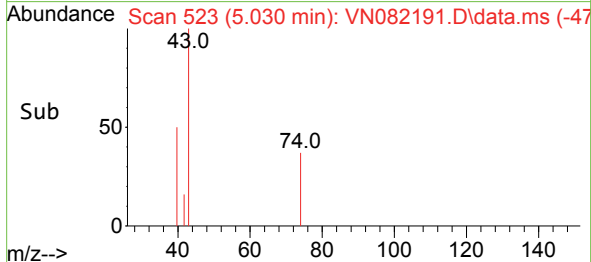
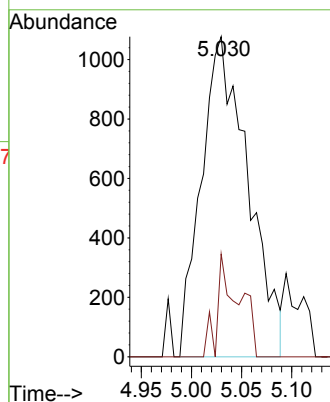
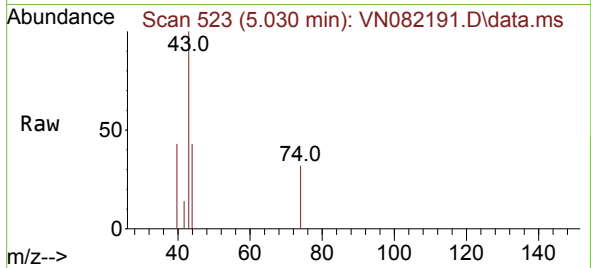




#18
Methyl Acetate
Concen: 1.242 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

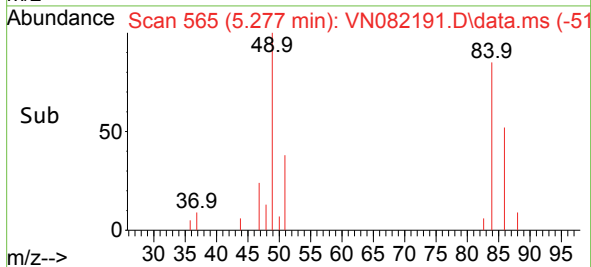
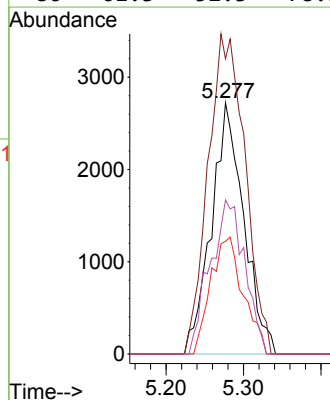
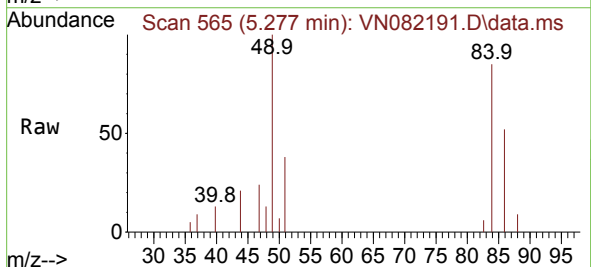
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

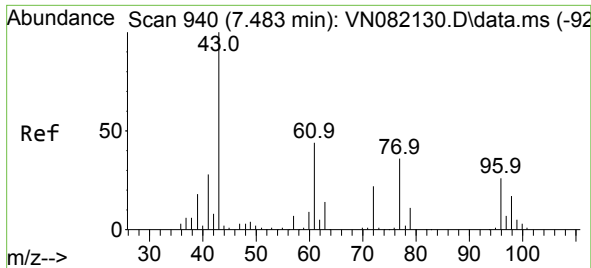
Tgt Ion: 43 Resp: 3488
Ion Ratio Lower Upper
43 100
74 10.8 22.2 33.2#



#20
Methylene Chloride
Concen: 3.473 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 84 Resp: 7904
Ion Ratio Lower Upper
84 100
49 117.6 84.9 127.3
51 44.9 27.0 40.6#
86 61.3 52.3 78.5

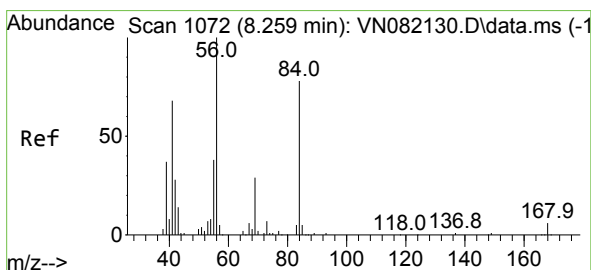
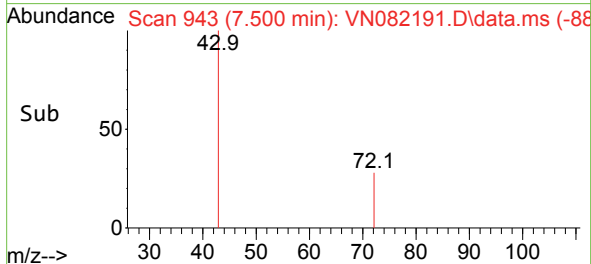
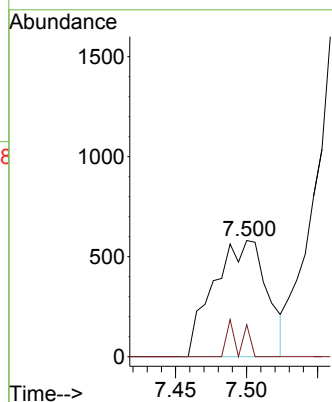
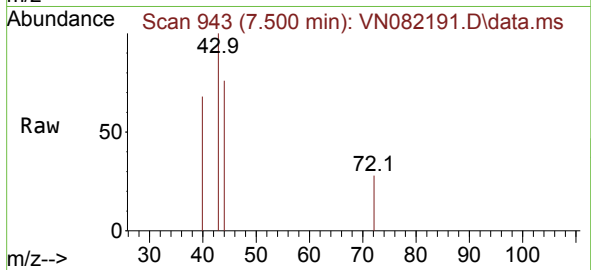




#25
2-Butanone
Concen: 0.888 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.017 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

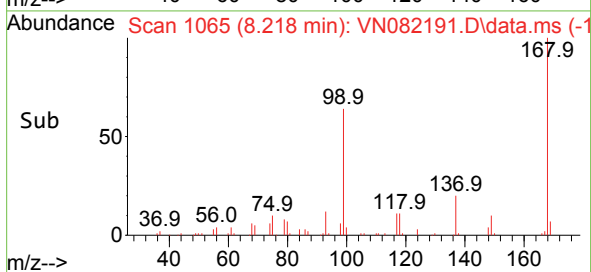
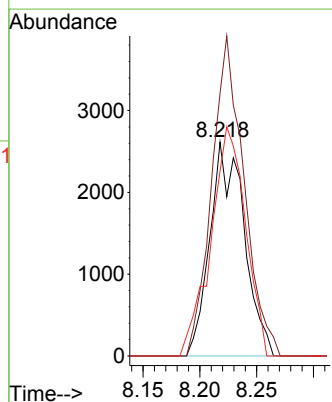
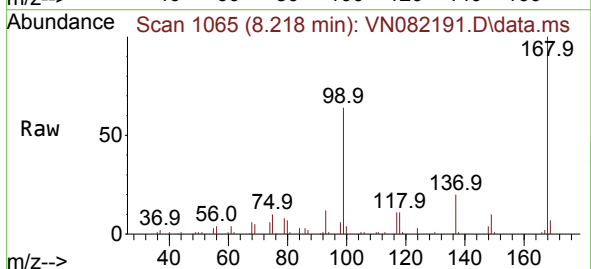
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

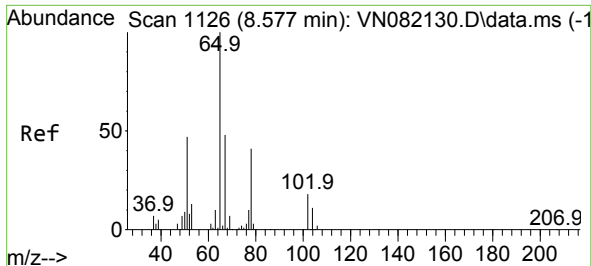
Tgt Ion: 43 Resp: 1518
Ion Ratio Lower Upper
43 100
72 27.5 25.3 37.9



#31
Cyclohexane
Concen: 1.242 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 56 Resp: 5454
Ion Ratio Lower Upper
56 100
69 122.8 24.4 36.6#
84 86.5 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 52.305 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082191.D

Acq: 17 May 2024 20:10

Instrument :

MSVOA_N

ClientSampleId :

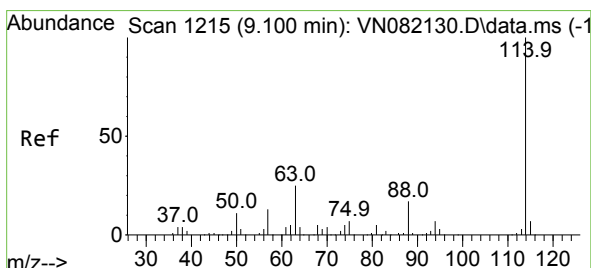
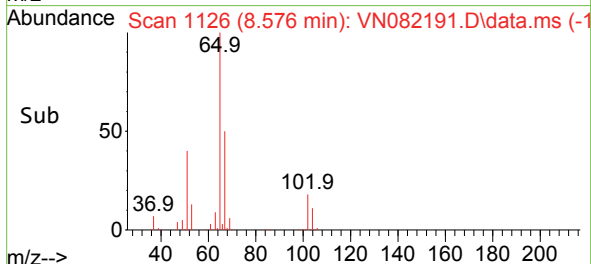
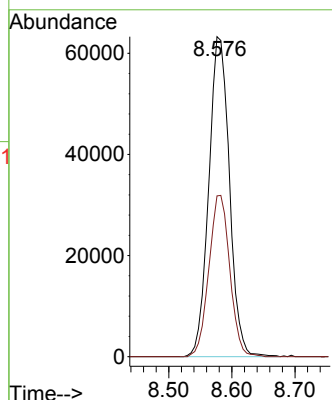
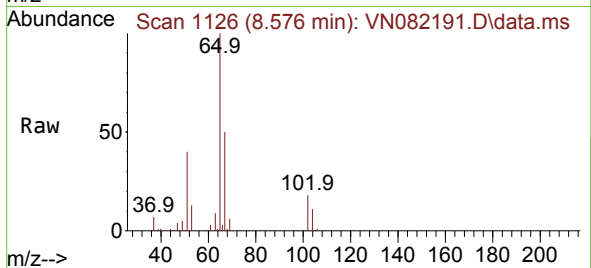
PB160967ZHE#09

Tgt Ion: 65 Resp: 143835

Ion Ratio Lower Upper

65 100

67 51.0 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: VN082191.D

Acq: 17 May 2024 20:10

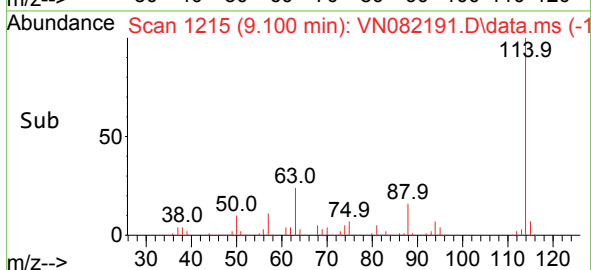
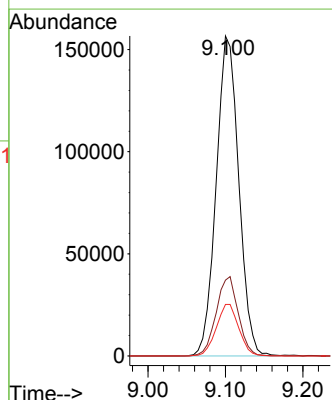
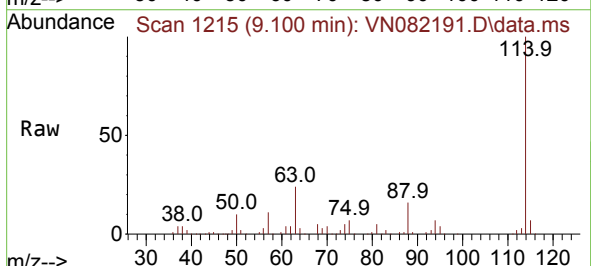
Tgt Ion: 114 Resp: 317131

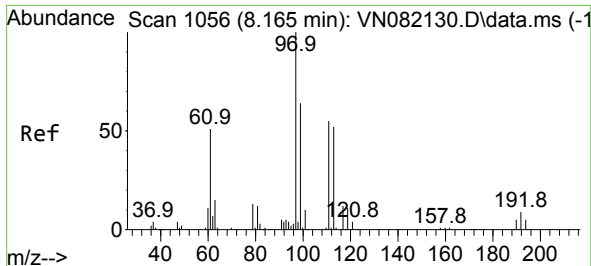
Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.0

88 16.1 0.0 31.4

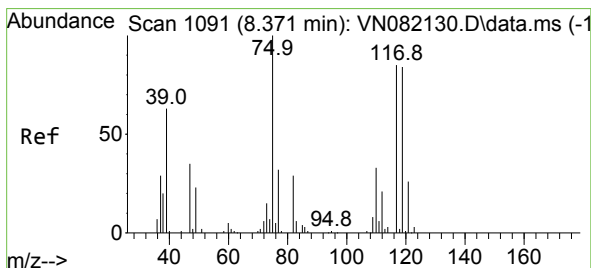
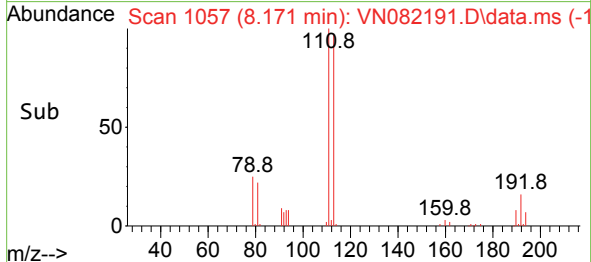
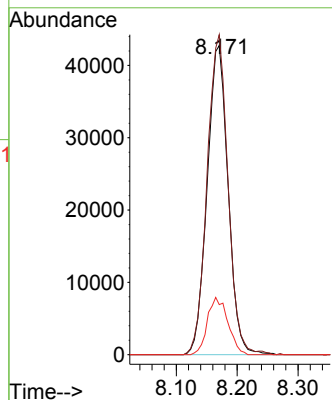
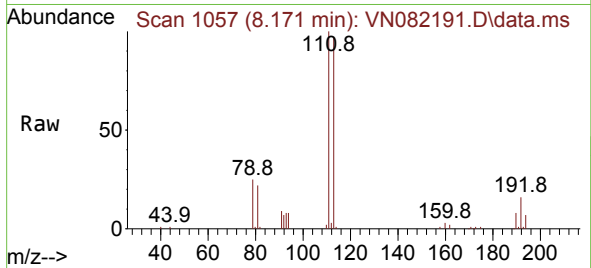




#35
Dibromofluoromethane
Concen: 52.332 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

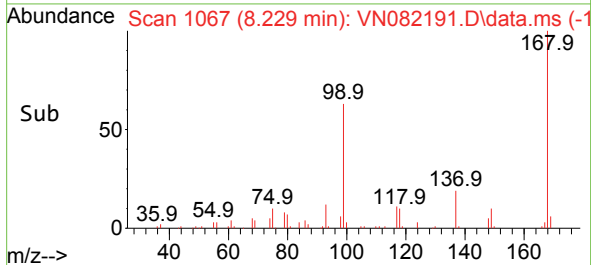
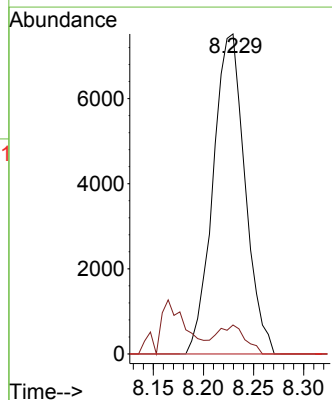
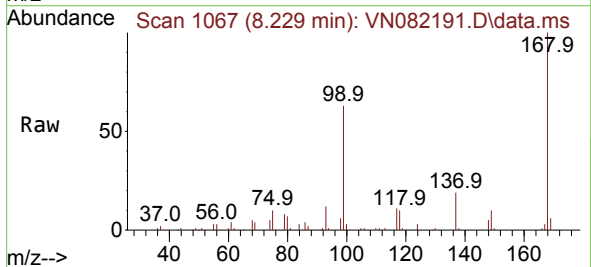
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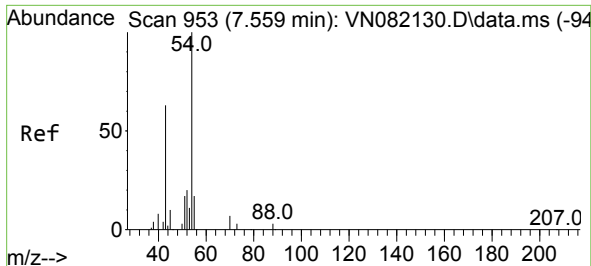
Tgt Ion:113 Resp: 102091
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.2
192 18.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.098 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

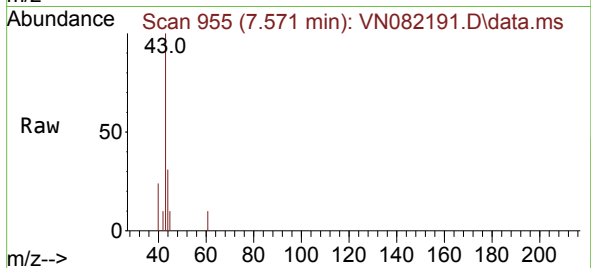
Tgt Ion: 75 Resp: 16681
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 25.0 37.4#



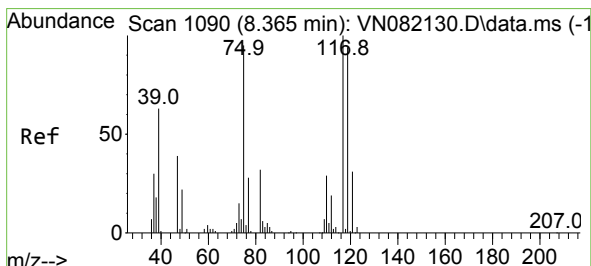
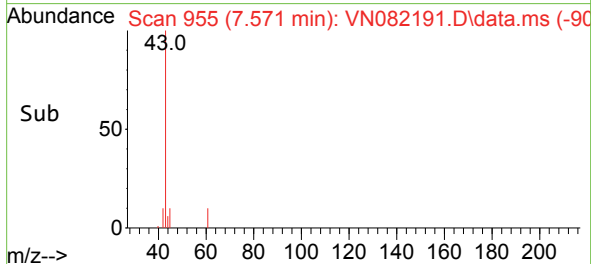
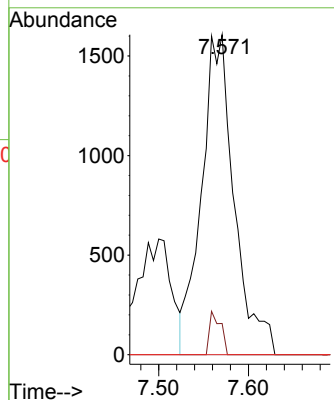


#37
Ethyl Acetate
Concen: 1.112 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

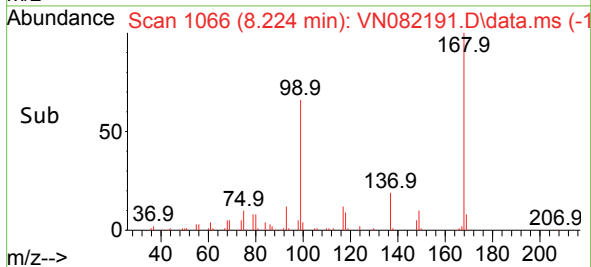
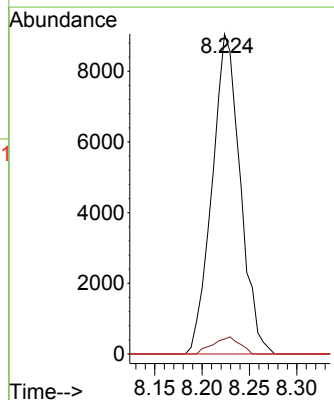
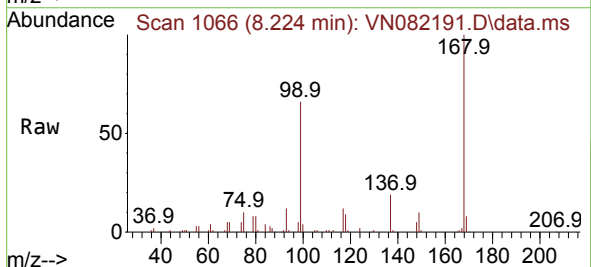


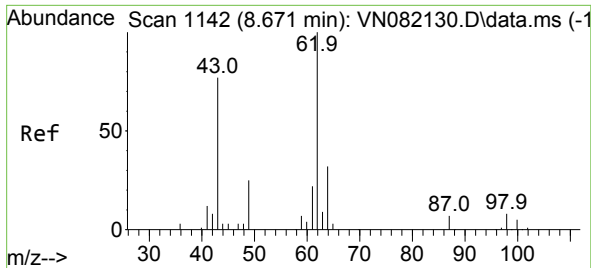
Tgt Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
61 4.6 11.3 16.9#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.652 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 117 Resp: 18746
Ion Ratio Lower Upper
117 100
119 4.6 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.281 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082191.D

Acq: 17 May 2024 20:10

Instrument :

MSVOA_N

ClientSampleId :

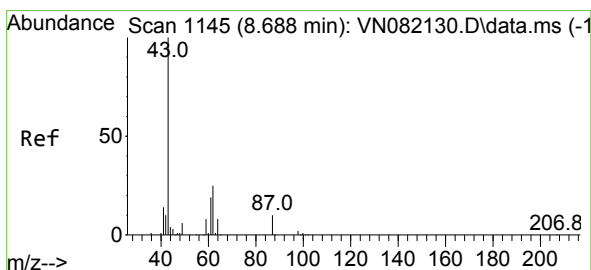
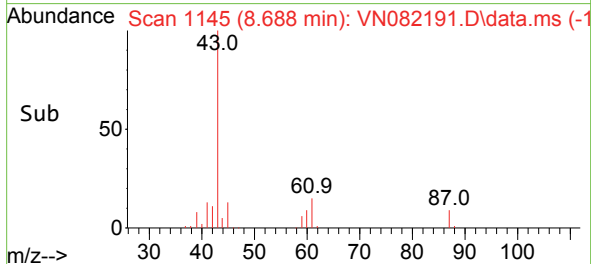
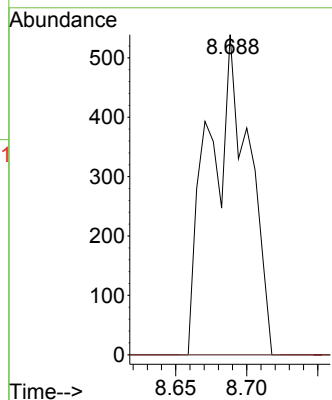
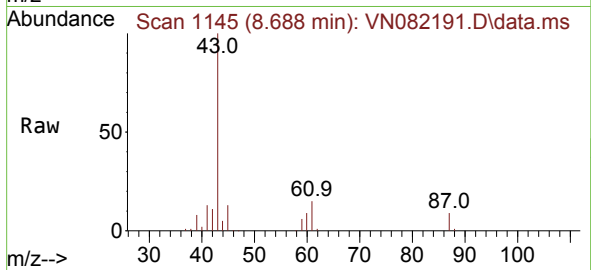
PB160967ZHE#09

Tgt Ion: 62 Resp: 1056

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 39.030 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082191.D

Acq: 17 May 2024 20:10

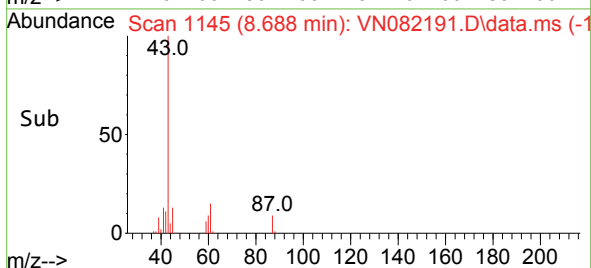
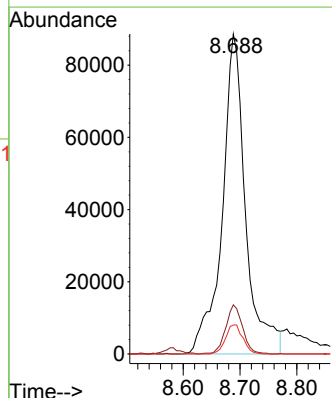
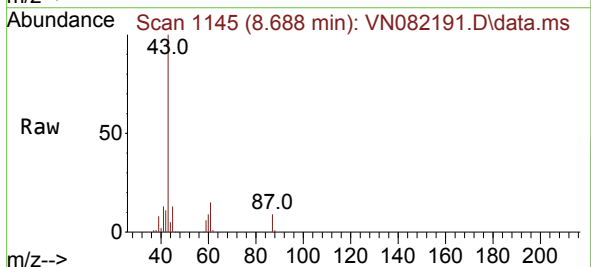
Tgt Ion: 43 Resp: 253235

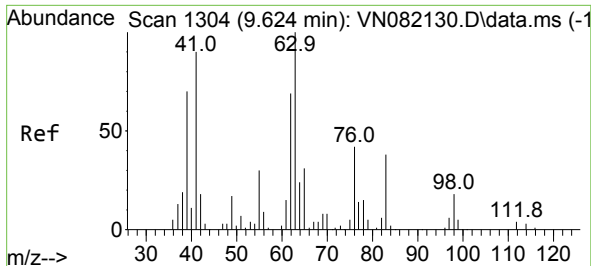
Ion Ratio Lower Upper

43 100

61 11.2 22.8 34.2#

87 6.7 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.609 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN082191.D

Acq: 17 May 2024 20:10

Instrument :

MSVOA_N

ClientSampleId :

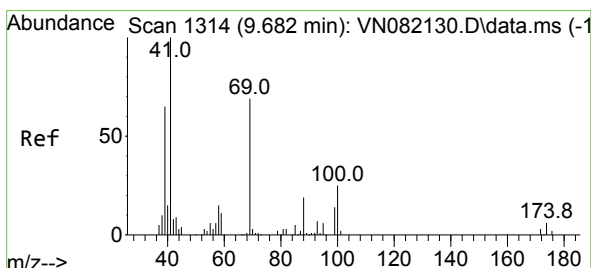
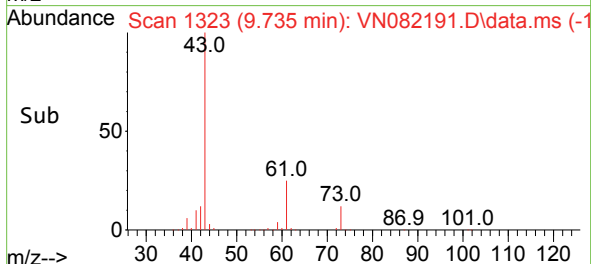
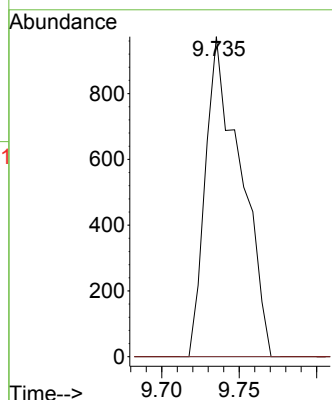
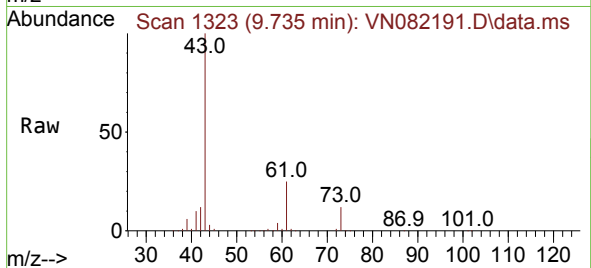
PB160967ZHE#09

Tgt Ion: 63 Resp: 1534

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 47.662 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082191.D

Acq: 17 May 2024 20:10

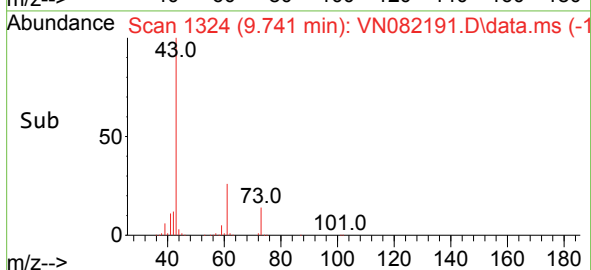
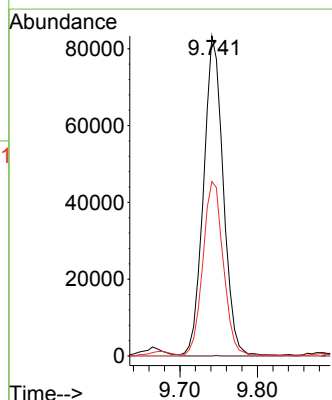
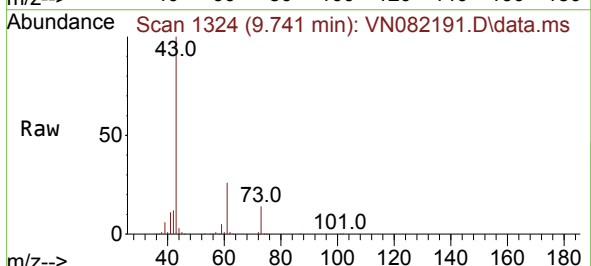
Tgt Ion: 41 Resp: 147351

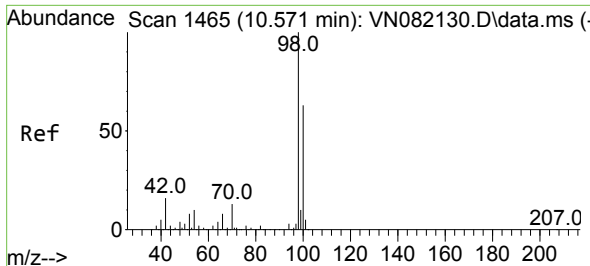
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 56.1 50.9 76.3

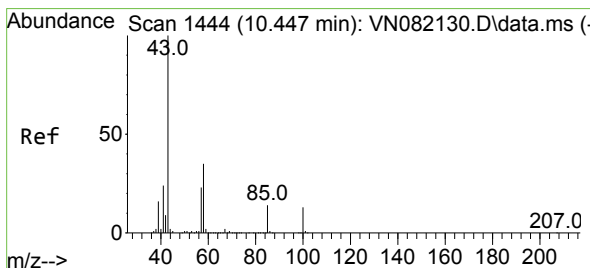
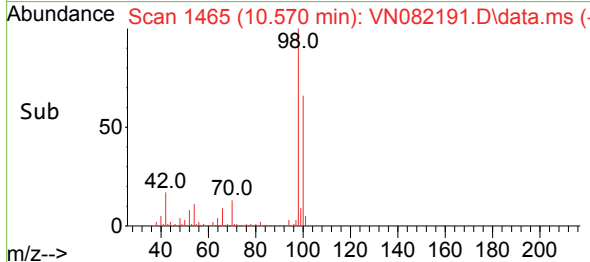
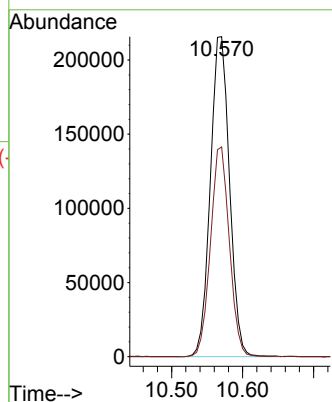
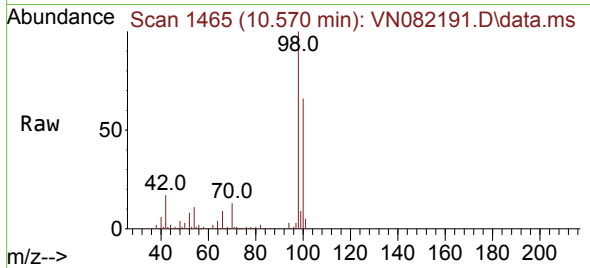




#50
Toluene-d8
Concen: 54.112 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

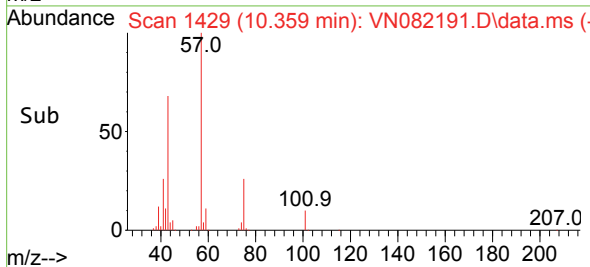
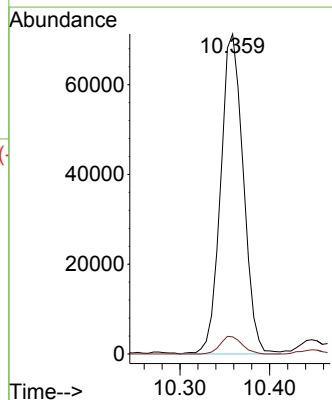
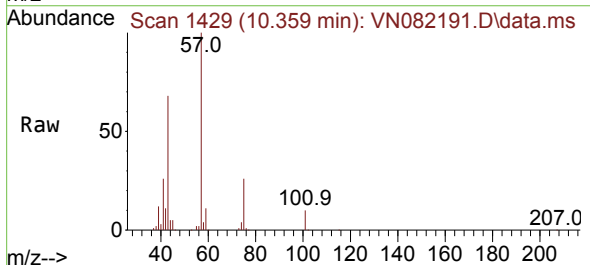
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

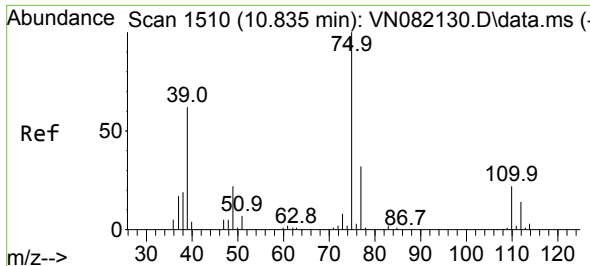
Tgt Ion: 98 Resp: 404727
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 33.942 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 43 Resp: 125122
Ion Ratio Lower Upper
43 100
58 5.3 33.2 49.8#

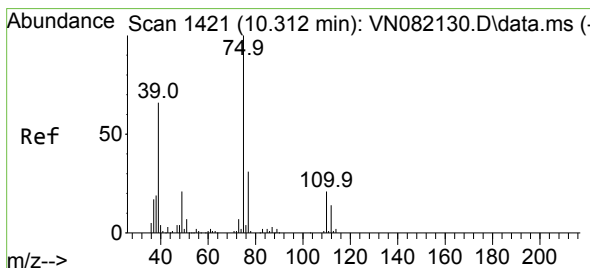
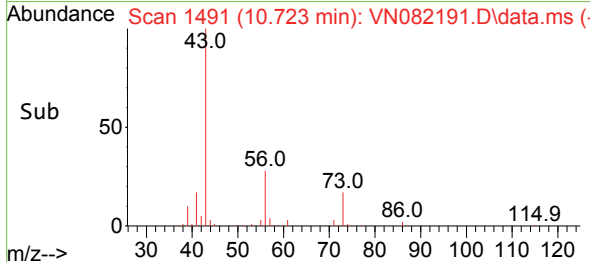
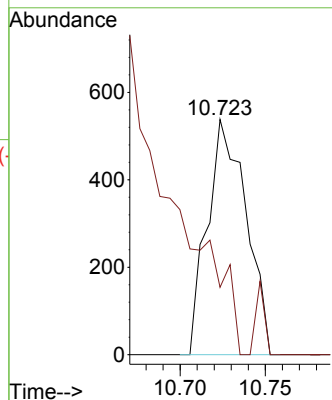
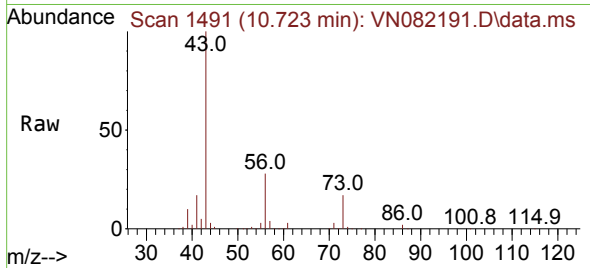




#53
t-1,3-Dichloropropene
Concen: 0.236 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

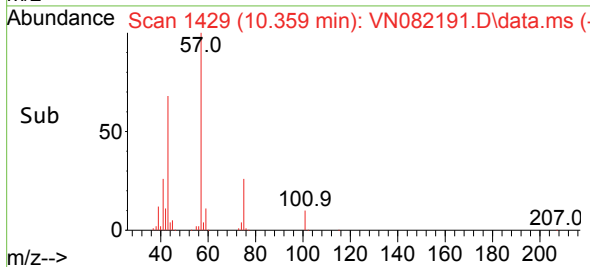
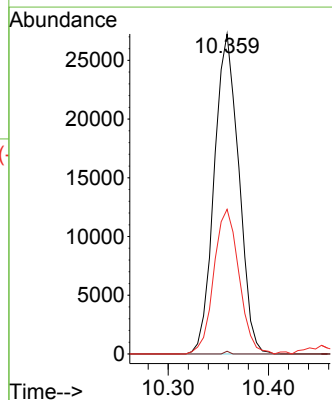
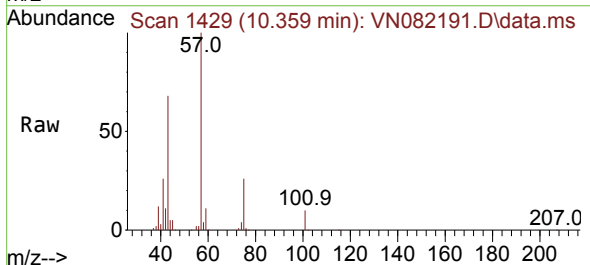
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

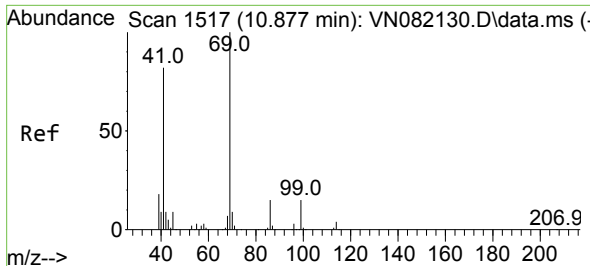
Tgt Ion: 75 Resp: 853
Ion Ratio Lower Upper
75 100
77 28.6 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 12.149 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 75 Resp: 46404
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 45.2 34.8 52.2

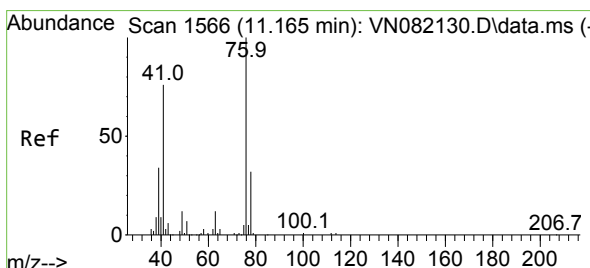
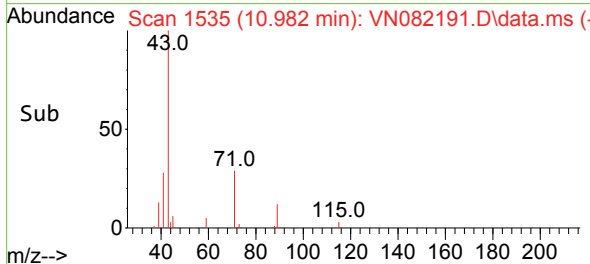
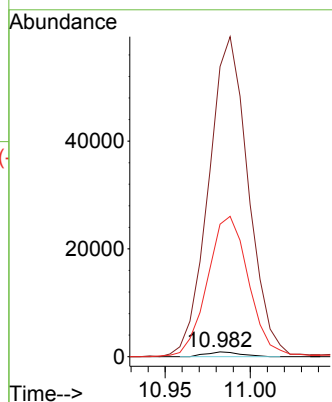
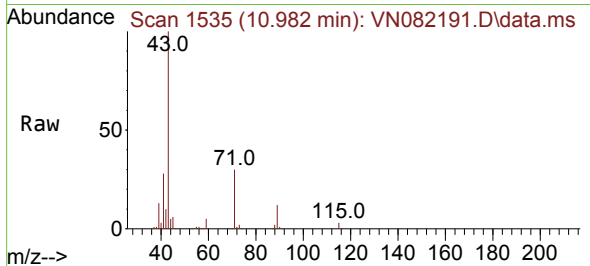




#56
Ethyl methacrylate
Concen: 0.346 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

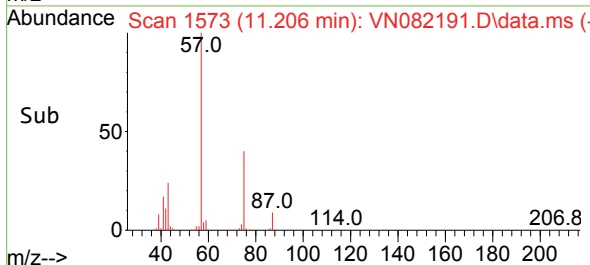
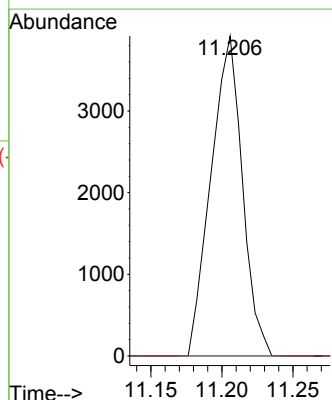
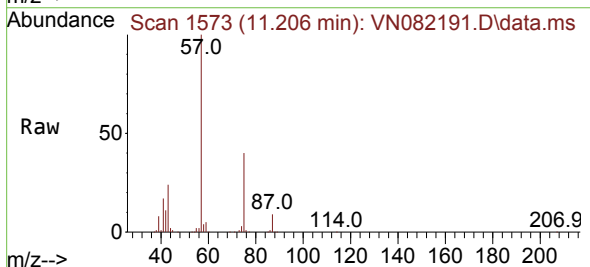
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

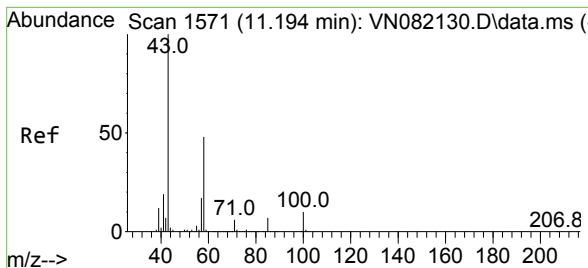
Tgt Ion: 69 Resp: 1251
Ion Ratio Lower Upper
69 100
41 7727.3 46.6 70.0#
39 3534.6 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.513 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 76 Resp: 6018
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

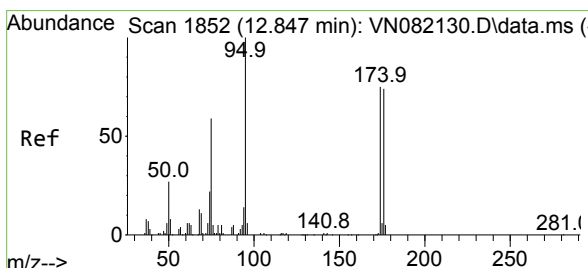
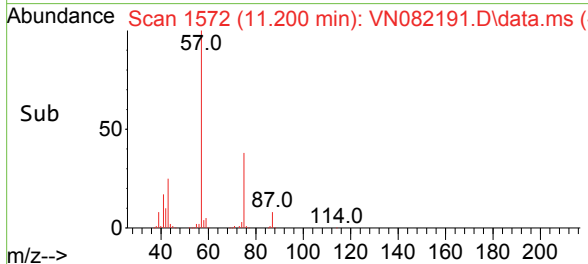
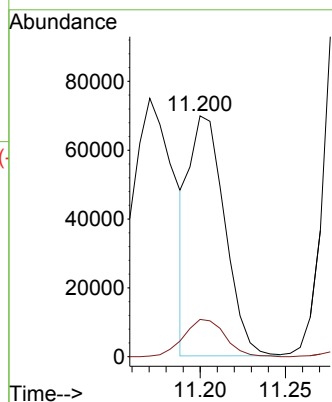
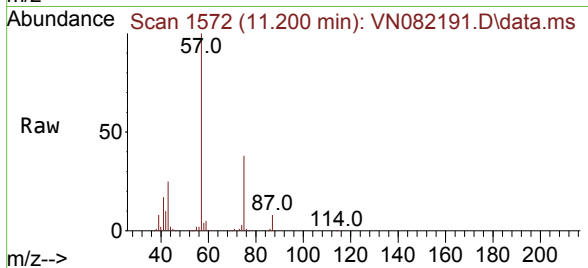




#59
2-Hexanone
Concen: 37.587 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

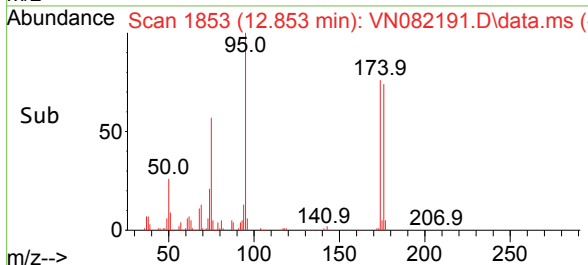
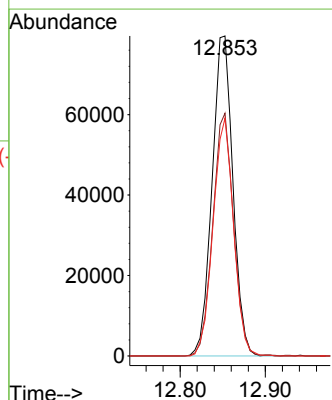
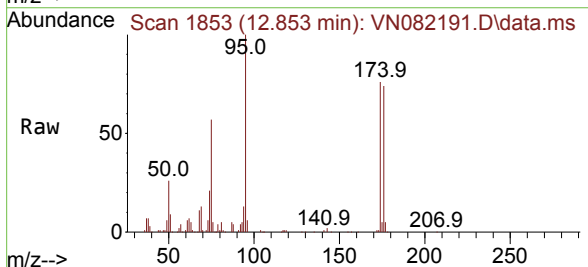
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

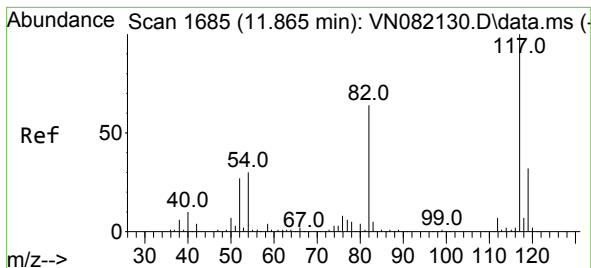
Tgt Ion: 43 Resp: 101455
Ion Ratio Lower Upper
43 100
58 18.1 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.512 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 95 Resp: 134845
Ion Ratio Lower Upper
95 100
174 75.8 0.0 160.6
176 73.1 0.0 152.8

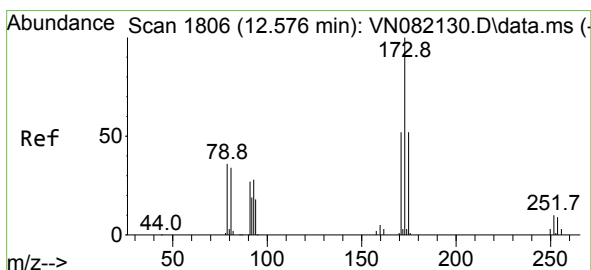
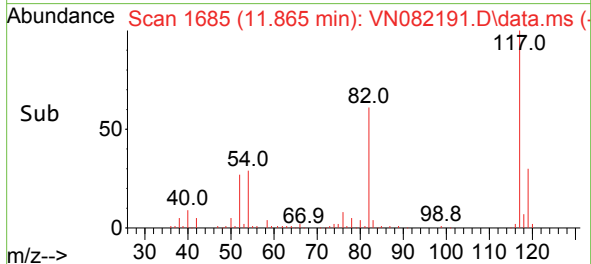
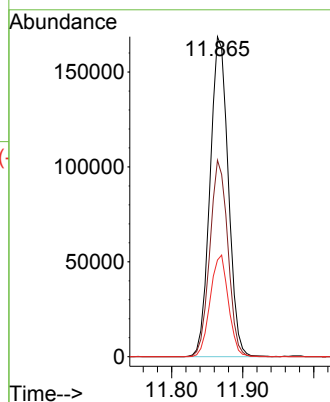
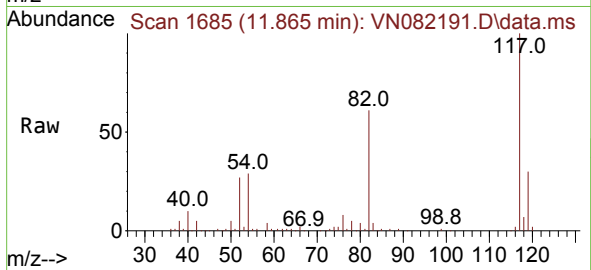




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

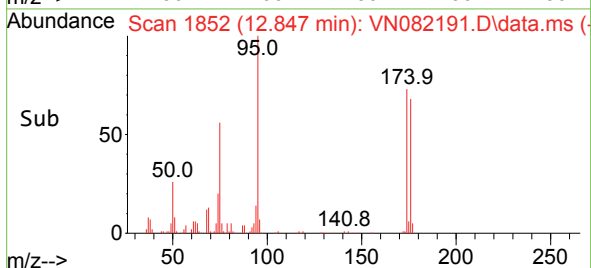
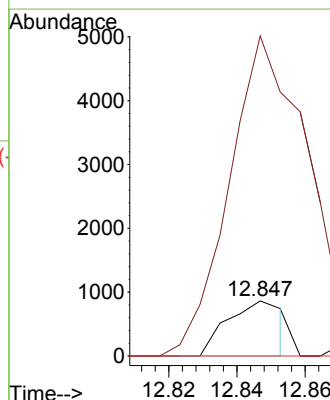
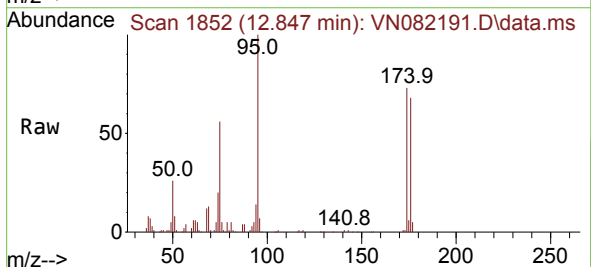
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

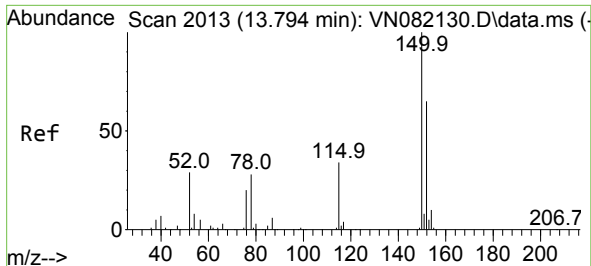
Tgt Ion:117 Resp: 300294
Ion Ratio Lower Upper
117 100
82 61.4 44.6 66.8
119 30.2 25.9 38.9



#71
Bromoform
Concen: 1.258 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

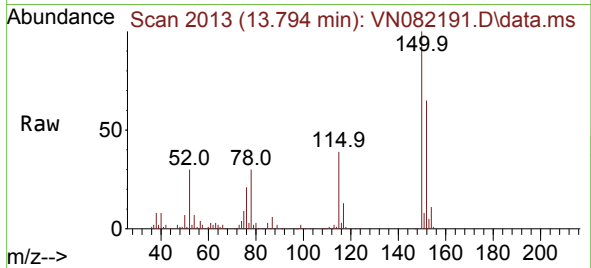
Tgt Ion:173 Resp: 982
Ion Ratio Lower Upper
173 100
175 564.5 24.6 74.0#
254 0.0 0.0 0.0



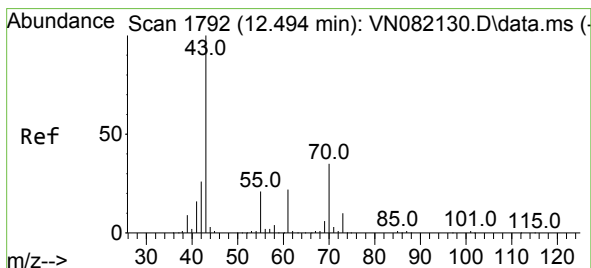
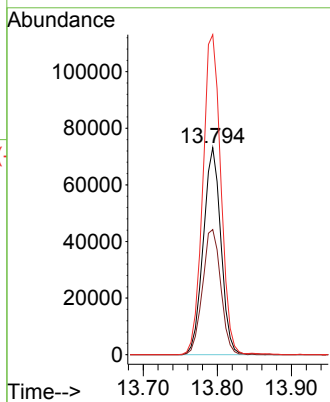
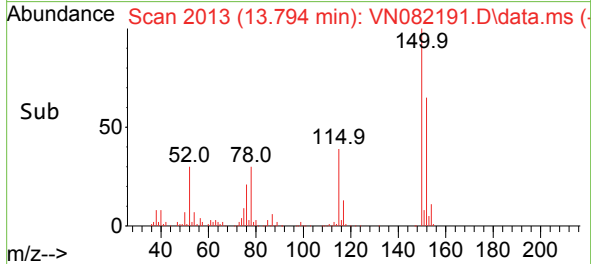


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

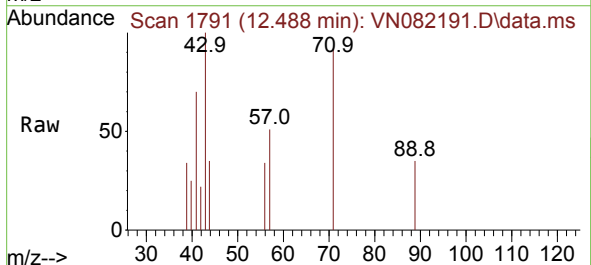
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09



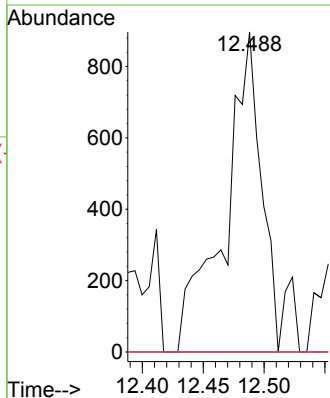
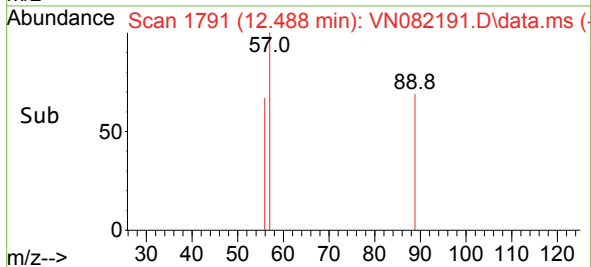
Tgt Ion:152 Resp: 120840
Ion Ratio Lower Upper
152 100
115 62.4 30.4 91.3
150 158.2 0.0 353.2

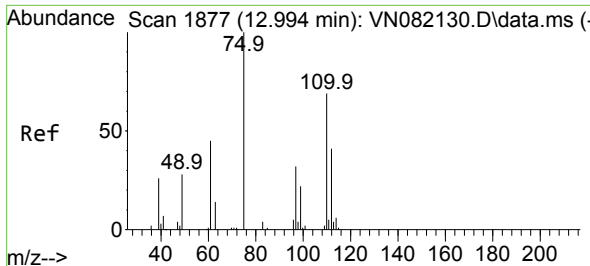


#74
N-ethyl acetate
Concen: 0.355 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10



Tgt Ion: 43 Resp: 1873
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#

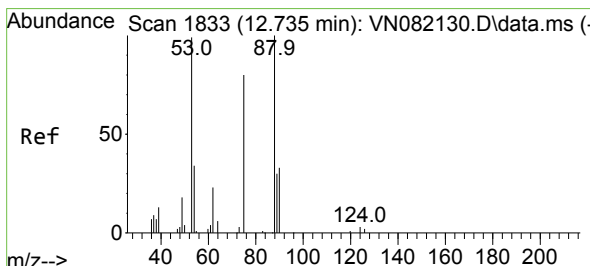
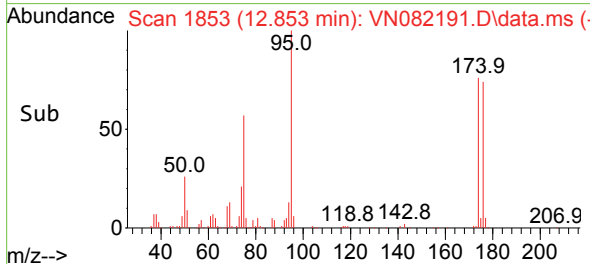
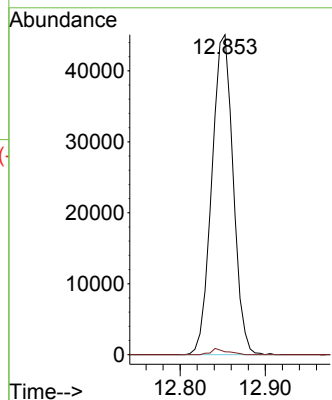
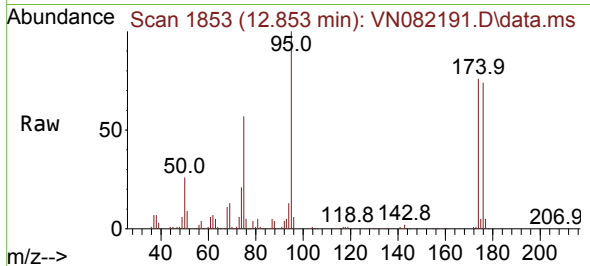




#76
1,2,3-Trichloropropane
Concen: 30.822 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#09

Tgt Ion: 75 Resp: 78393
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.092 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082191.D
Acq: 17 May 2024 20:10

Tgt Ion: 75 Resp: 78393
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

