

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082189.D
 Acq On : 17 May 2024 19:22
 Operator : JC\MD
 Sample : PB160967ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#07

Quant Time: May 17 23:16:04 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	169083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	302413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141835	53.124	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.240%			
35) Dibromofluoromethane	8.171	113	97501	52.411	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.820%			
50) Toluene-d8	10.565	98	392327	55.007	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.020%			
62) 4-Bromofluorobenzene	12.847	95	131929	51.825	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.640%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	16196	14.788	ug/l #	83
18) Methyl Acetate	5.030	43	3090	1.133	ug/l #	60
20) Methylene Chloride	5.277	84	9045	4.093	ug/l	91
25) 2-Butanone	7.489	43	1738	1.047	ug/l #	43
29) Tetrahydrofuran	7.841	42	282	0.265	ug/l #	29
31) Cyclohexane	8.230	56	5305	1.244	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	16280	5.218	ug/l #	48
37) Ethyl Acetate	7.559	43	3954	1.132	ug/l #	77
38) Carbon Tetrachloride	8.224	117	18933	5.986	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1030	0.288	ug/l #	73
43) Isopropyl Acetate	8.688	43	284459	45.977	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	1741	0.725	ug/l #	45
48) Methyl methacrylate	9.741	41	146605	49.728	ug/l #	37
49) 1,4-Dioxane	9.741	88	56	1.356	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	126158	35.888	ug/l #	42
53) t-1,3-Dichloropropene	10.735	75	934	0.271	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	46917	12.881	ug/l #	77
56) Ethyl methacrylate	10.982	69	1432	0.416	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6286	1.657	ug/l #	42
59) 2-Hexanone	11.200	43	100432	39.019	ug/l #	48
71) Bromoform	12.847	173	1093	1.344	ug/l #	1
74) N-amyl acetate	12.488	43	1907	0.364	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	76314	30.260	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76314	70.777	ug/l #	12

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

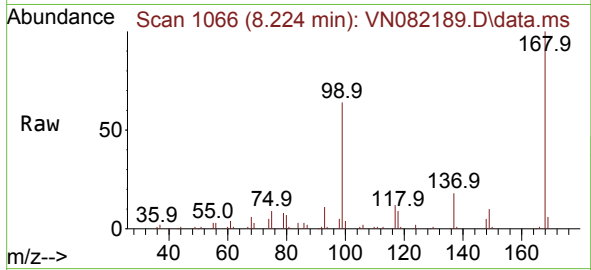
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



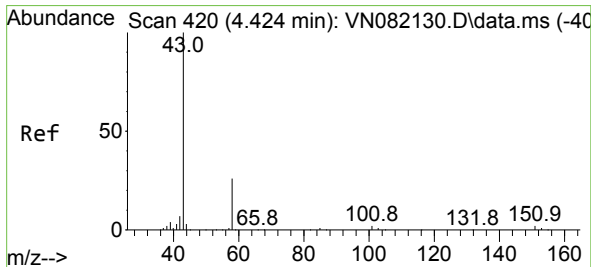
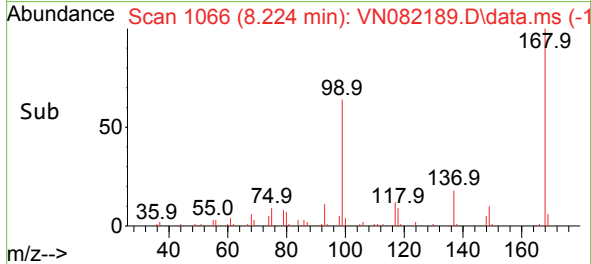
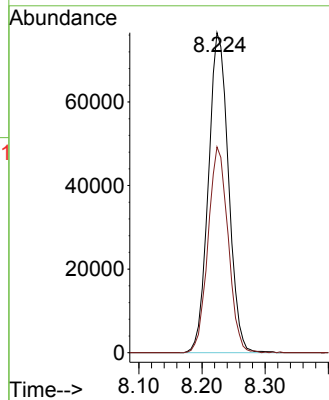


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

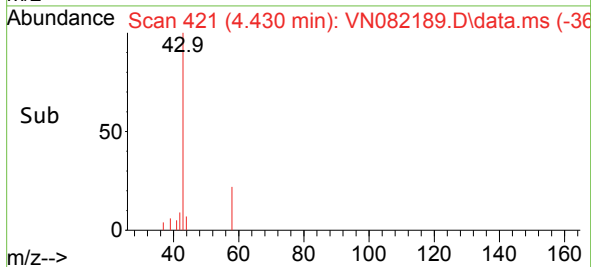
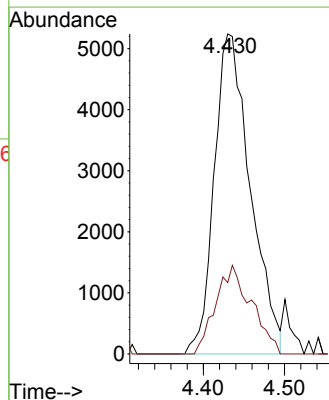
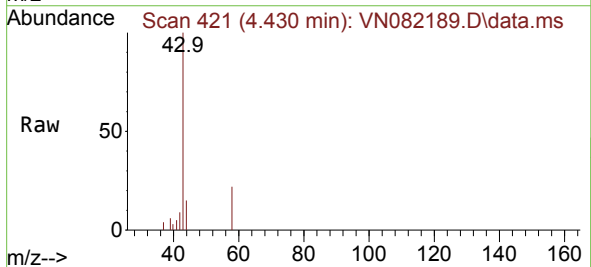


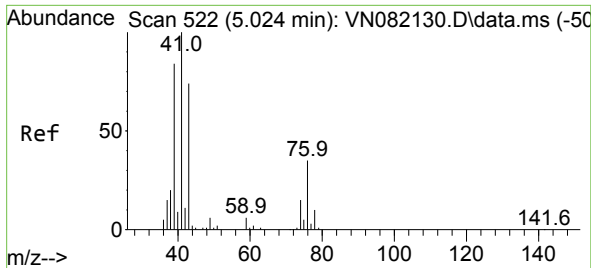
Tgt Ion:168 Resp: 169083
Ion Ratio Lower Upper
168 100
99 64.3 48.2 72.4



#16
Acetone
Concen: 14.788 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 43 Resp: 16196
Ion Ratio Lower Upper
43 100
58 22.3 25.2 37.8#

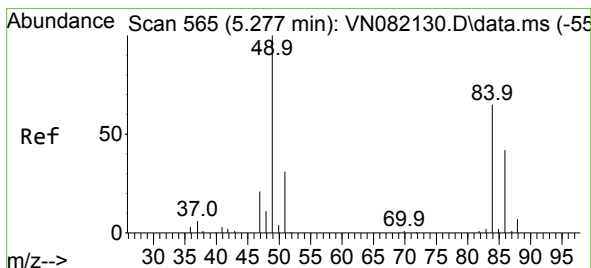
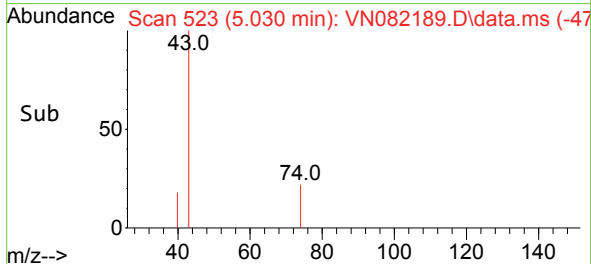
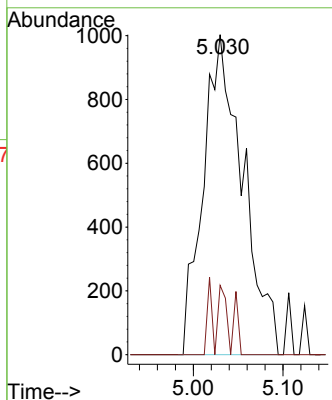
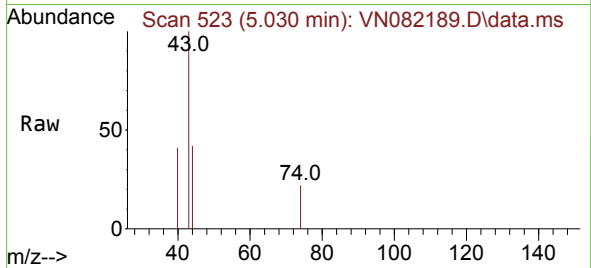




#18
Methyl Acetate
Concen: 1.133 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

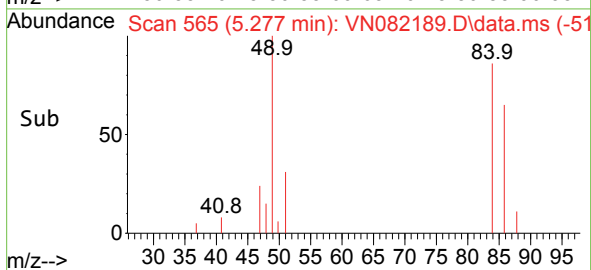
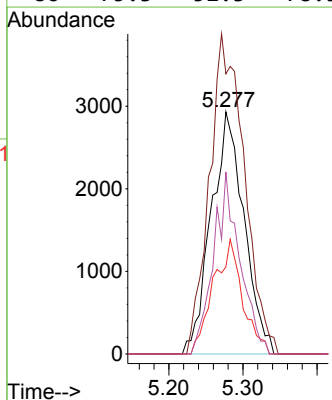
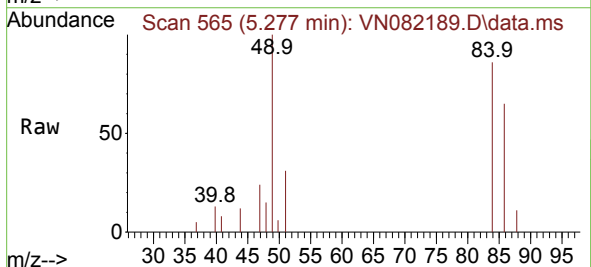
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

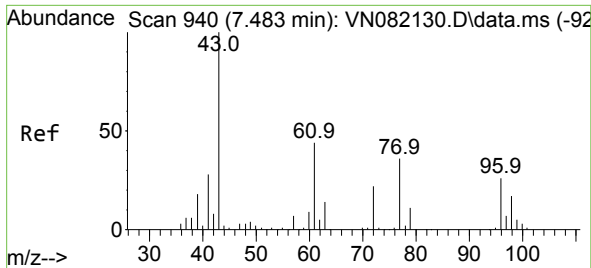
Tgt Ion: 43 Resp: 3090
Ion Ratio Lower Upper
43 100
74 6.8 22.2 33.2#



#20
Methylene Chloride
Concen: 4.093 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 84 Resp: 9045
Ion Ratio Lower Upper
84 100
49 115.8 84.9 127.3
51 36.0 27.0 40.6
86 75.3 52.3 78.5

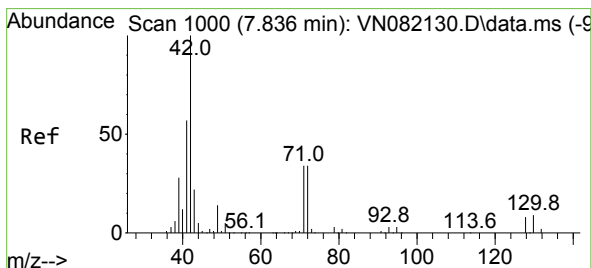
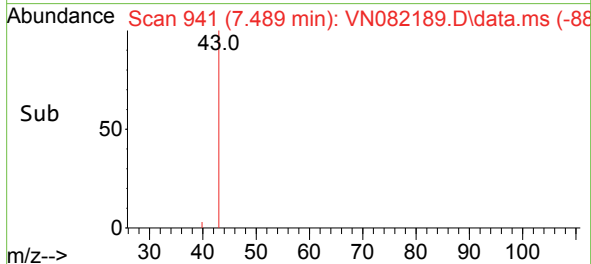
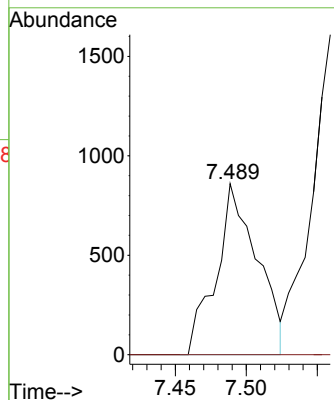
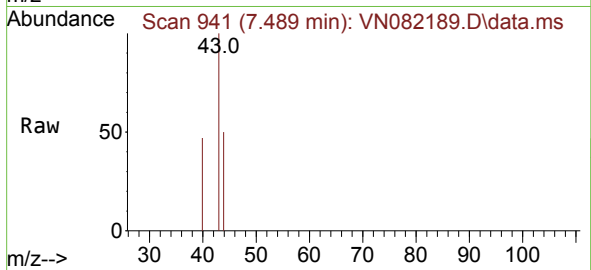




#25
2-Butanone
Concen: 1.047 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

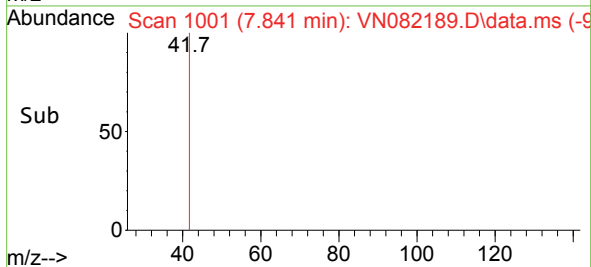
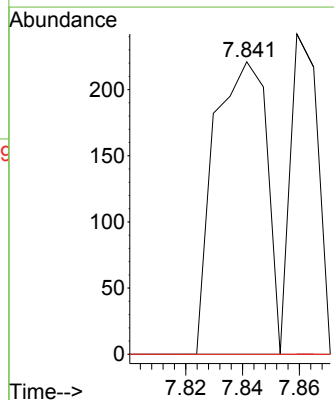
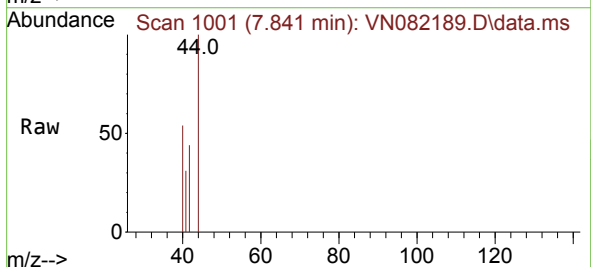
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

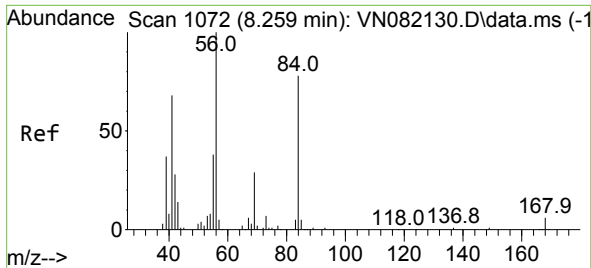
Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.265 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#

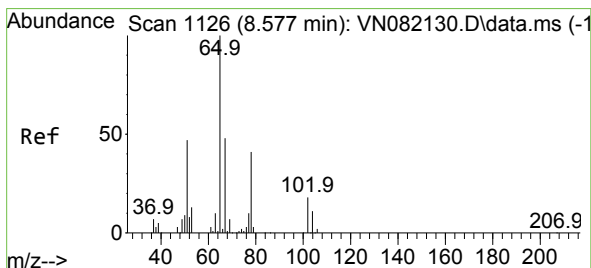
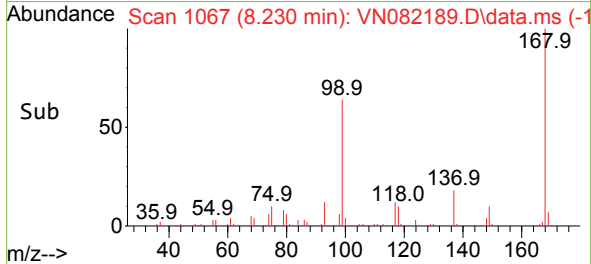
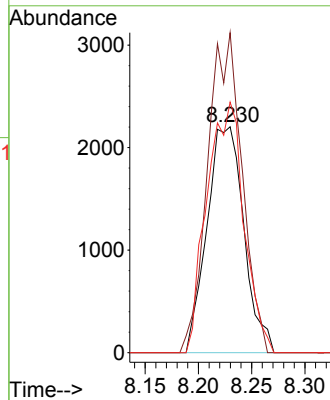
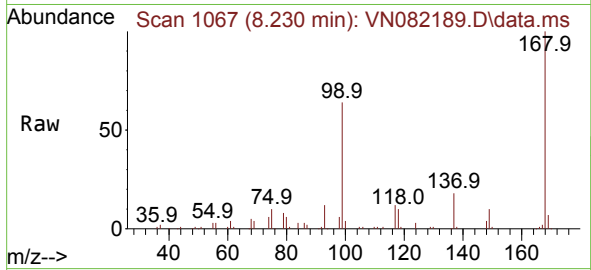




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

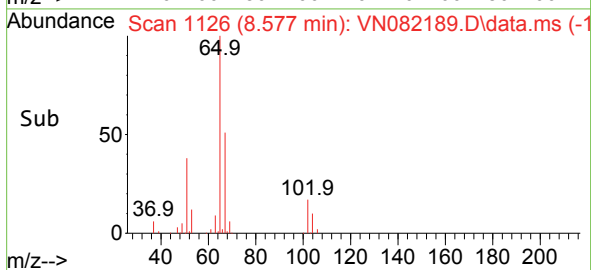
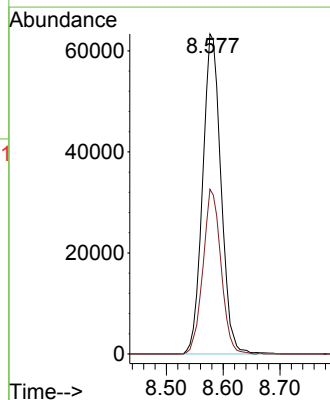
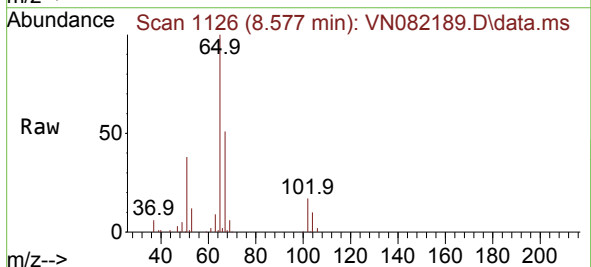
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

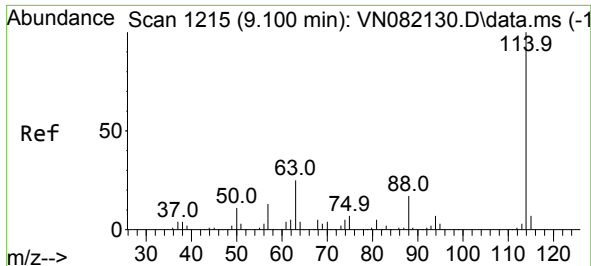
Tgt Ion: 56 Resp: 5305
Ion Ratio Lower Upper
56 100
69 141.7 24.4 36.6#
84 110.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.124 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 65 Resp: 141835
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082189.D

Acq: 17 May 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#07

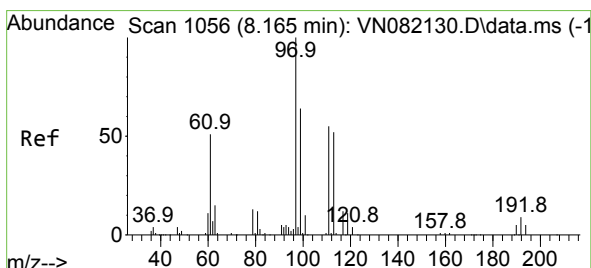
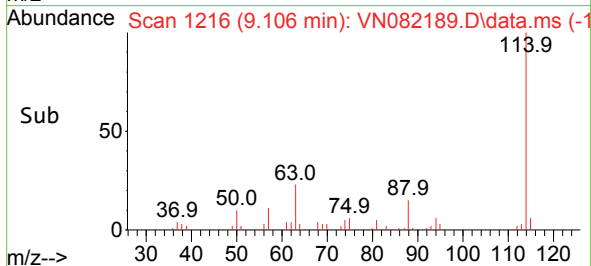
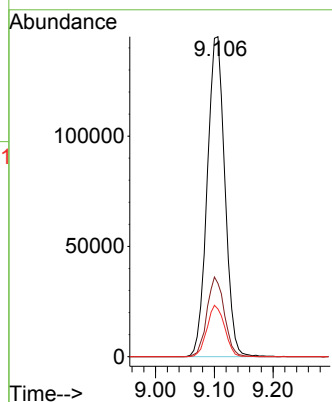
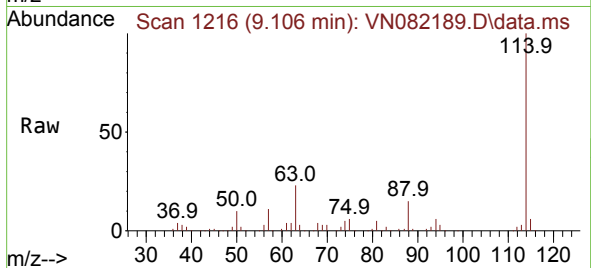
Tgt Ion:114 Resp: 302413

Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.0

88 14.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.411 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082189.D

Acq: 17 May 2024 19:22

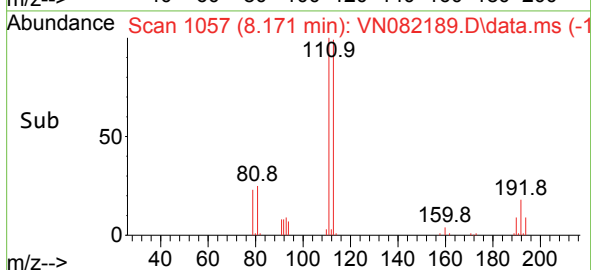
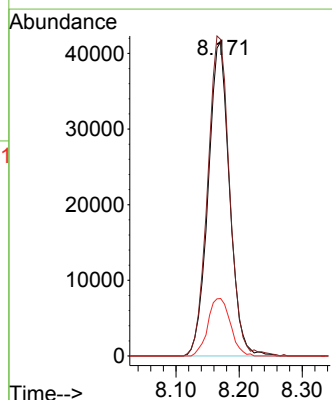
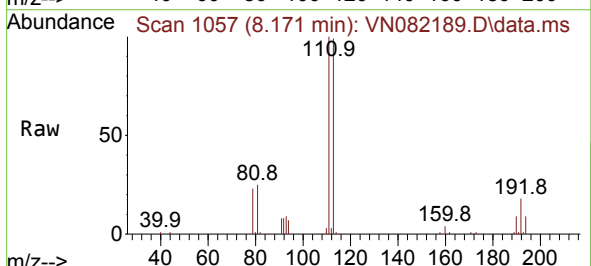
Tgt Ion:113 Resp: 97501

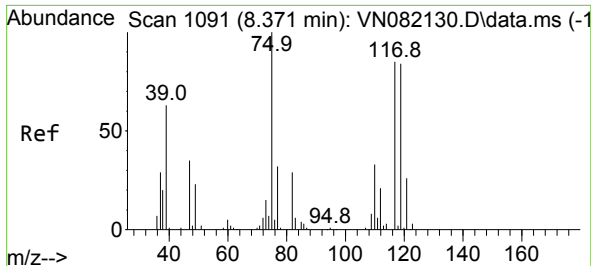
Ion Ratio Lower Upper

113 100

111 104.8 83.4 125.2

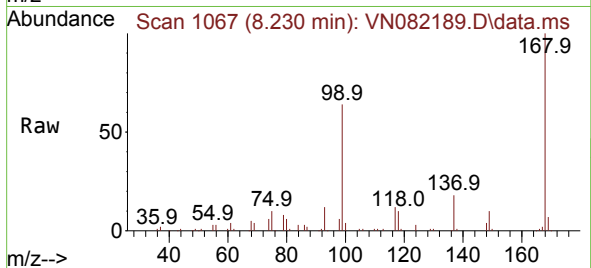
192 19.2 14.0 21.0



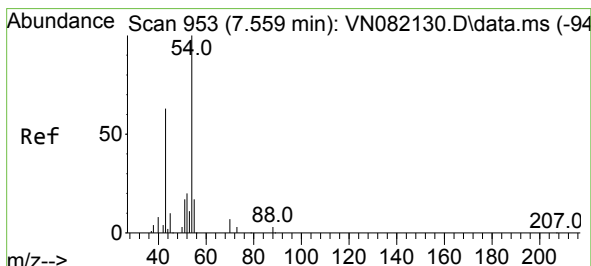
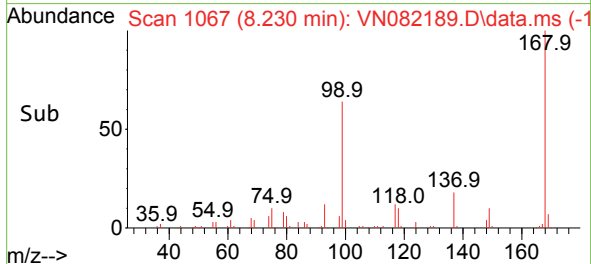
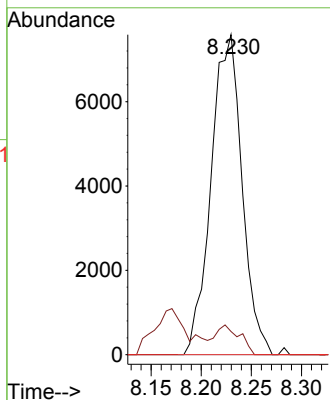


#36
1,1-Dichloropropene
Concen: 5.218 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

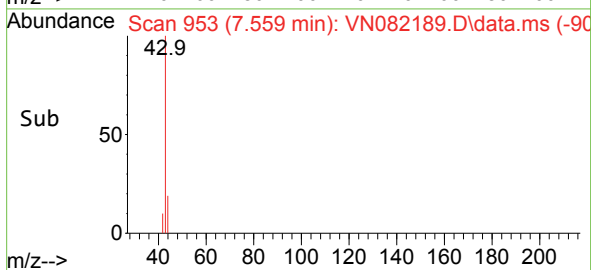
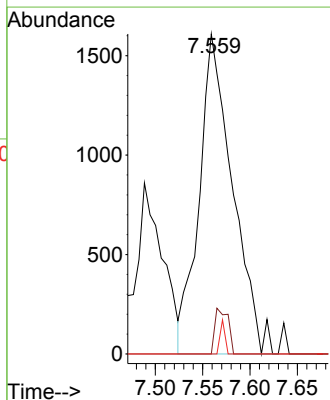
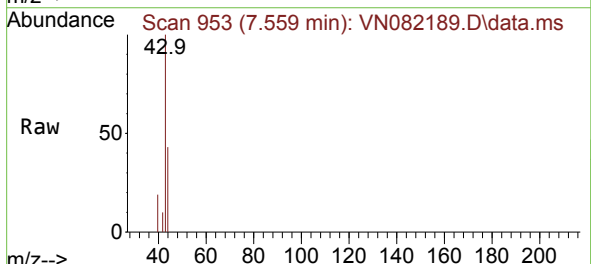


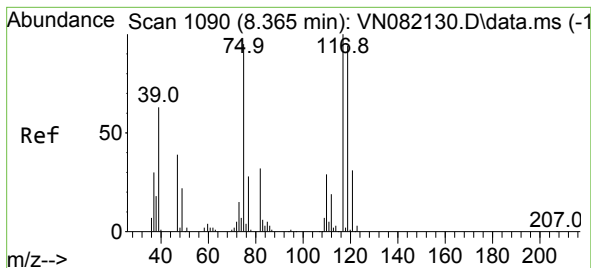
Tgt Ion: 75 Resp: 16280
Ion Ratio Lower Upper
75 100
110 7.3 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.132 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
61 5.6 11.3 16.9#
70 1.5 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.986 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.141 min

Lab File: VN082189.D

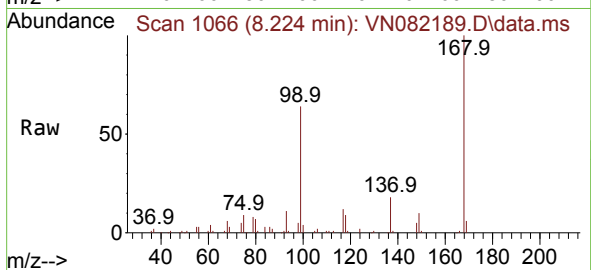
Acq: 17 May 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#07



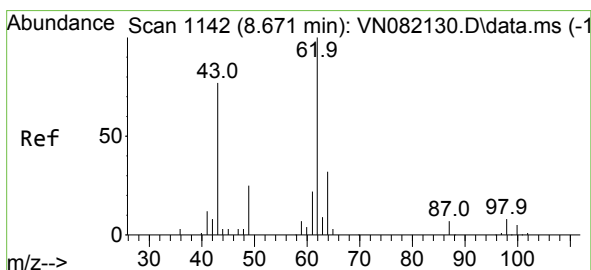
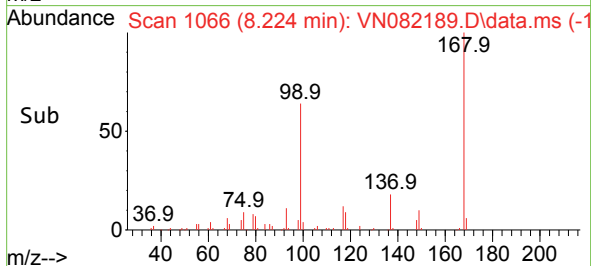
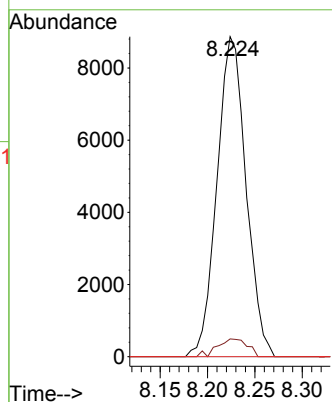
Tgt Ion:117 Resp: 18933

Ion Ratio Lower Upper

117 100

119 5.6 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.288 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082189.D

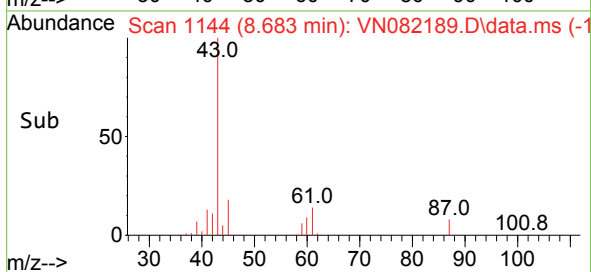
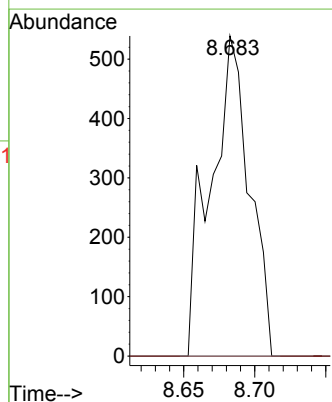
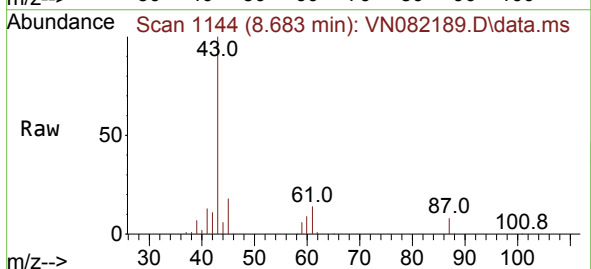
Acq: 17 May 2024 19:22

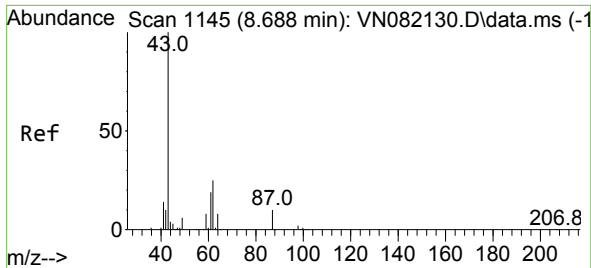
Tgt Ion: 62 Resp: 1030

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

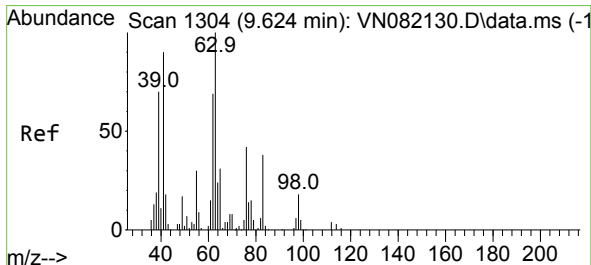
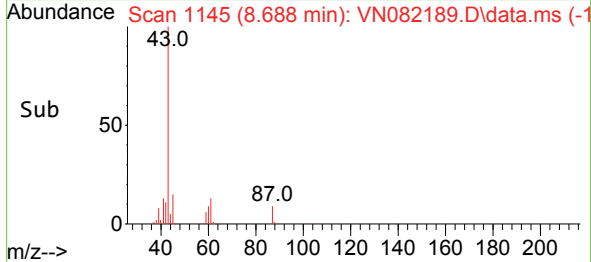
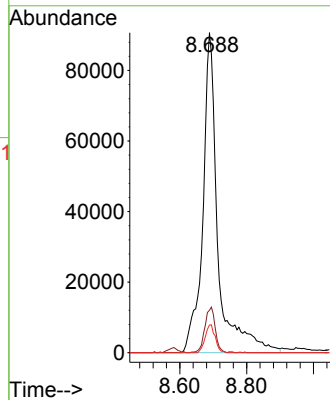
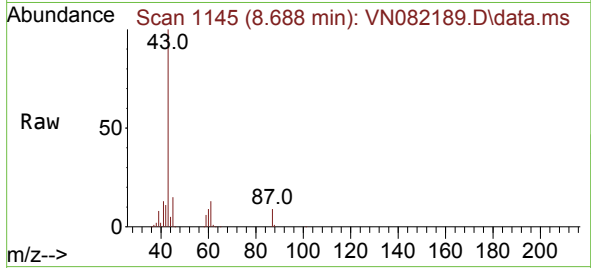




#43
Isopropyl Acetate
Concen: 45.977 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

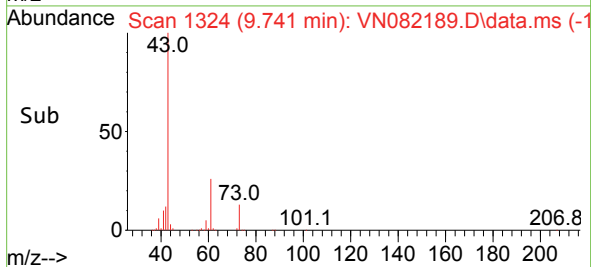
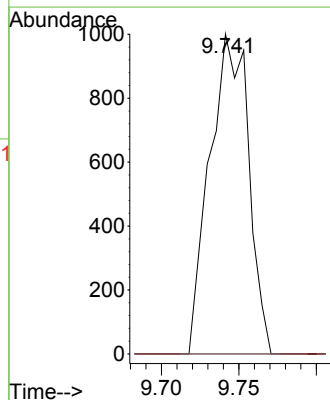
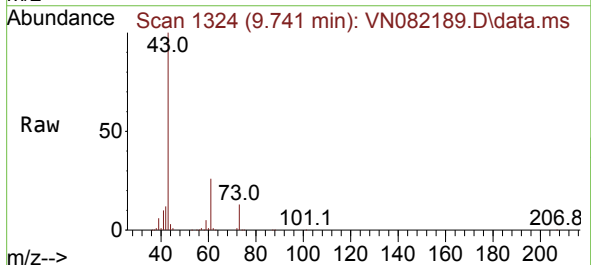
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

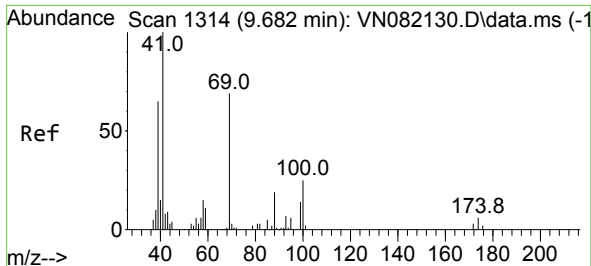
Tgt Ion: 43 Resp: 284459
Ion Ratio Lower Upper
43 100
61 9.8 22.8 34.2#
87 5.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.725 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 63 Resp: 1741
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

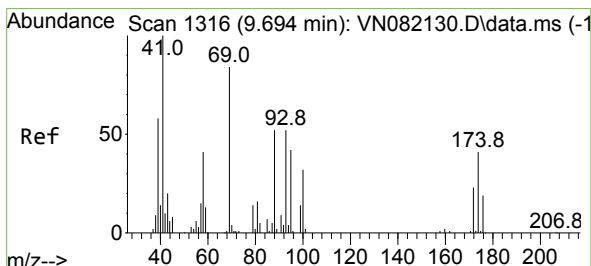
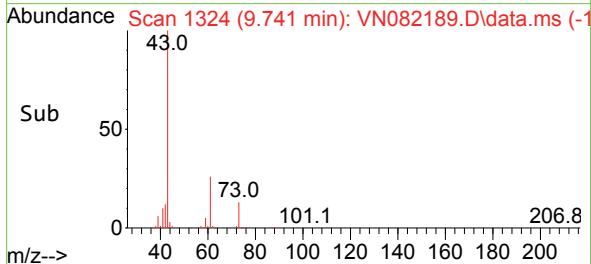
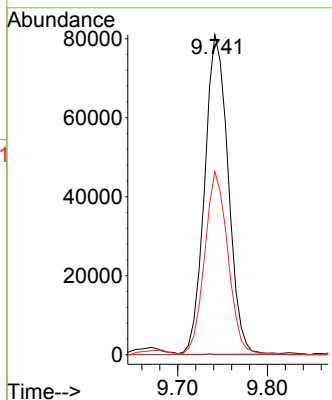
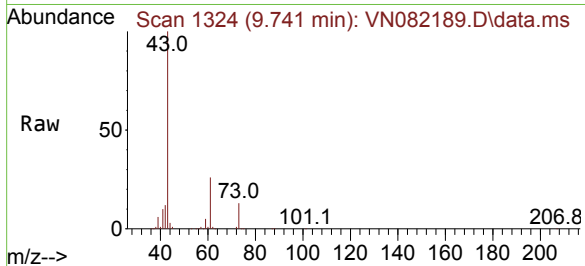




#48
Methyl methacrylate
Concen: 49.728 ug/l
RT: 9.741 min Scan# 1314
Delta R.T. 0.059 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

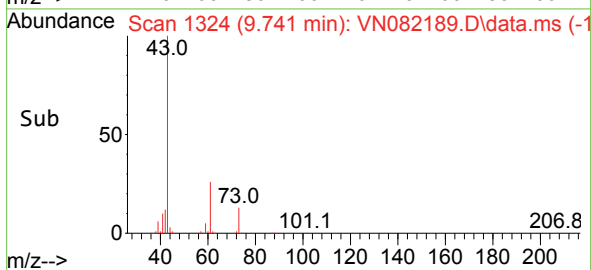
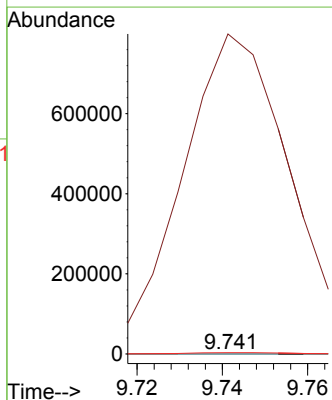
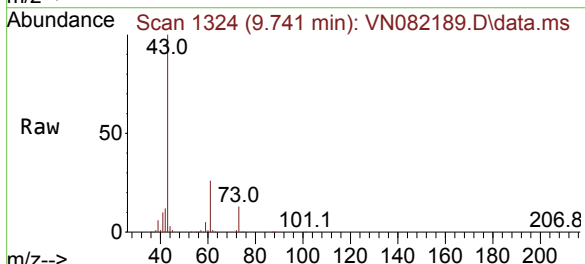
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

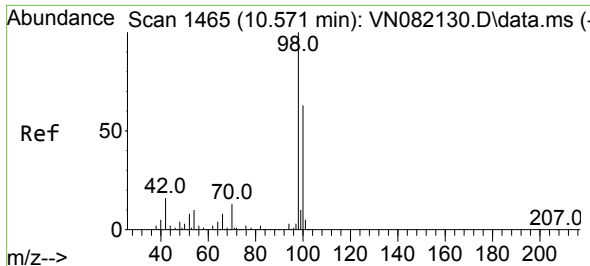
Tgt Ion: 41 Resp: 146605
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 57.2 50.9 76.3



#49
1,4-Dioxane
Concen: 1.356 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 2562544.6 19.0 28.6#
58 10823.2 50.6 76.0#

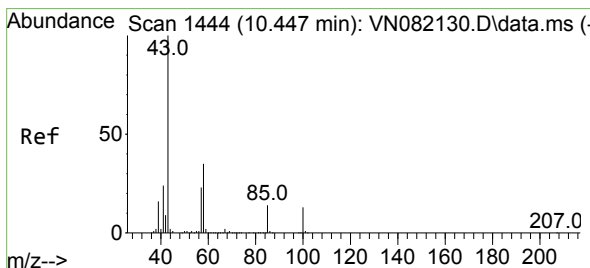
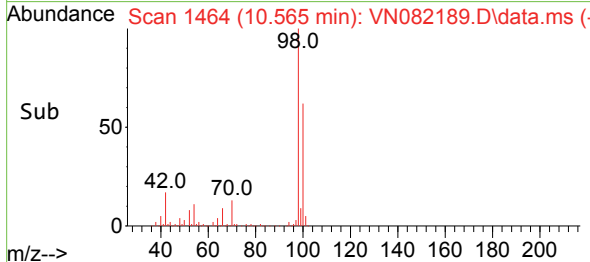
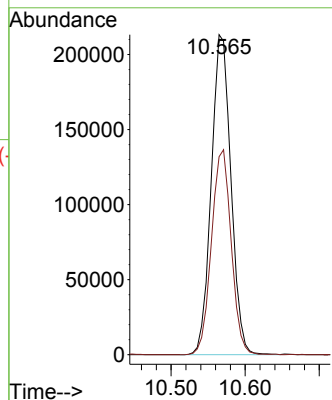
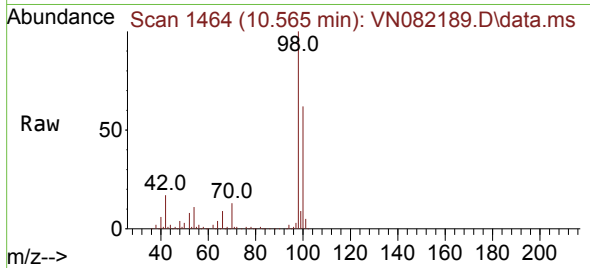




#50
Toluene-d8
Concen: 55.007 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

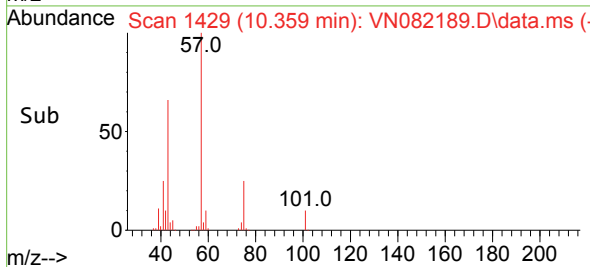
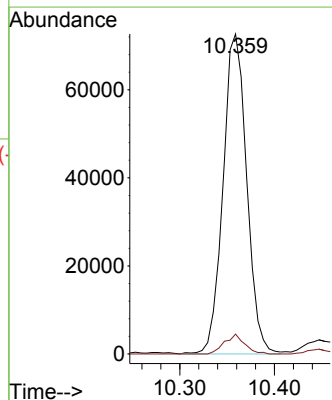
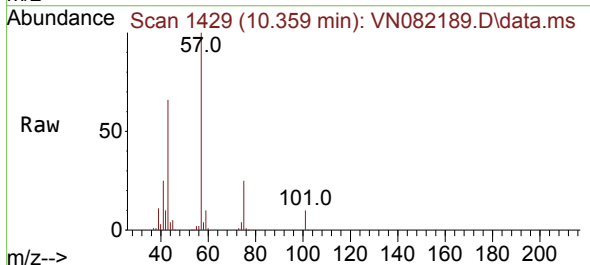
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

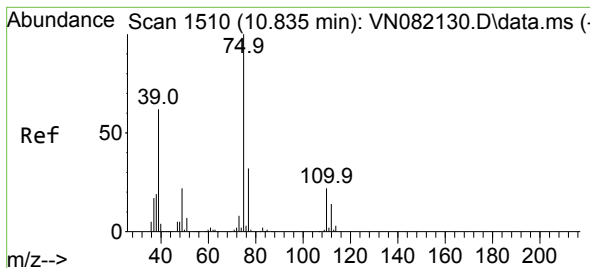
Tgt Ion: 98 Resp: 392327
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 35.888 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 43 Resp: 126158
Ion Ratio Lower Upper
43 100
58 5.2 33.2 49.8#





#53

t-1,3-Dichloropropene

Concen: 0.271 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.100 min

Lab File: VN082189.D

Acq: 17 May 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

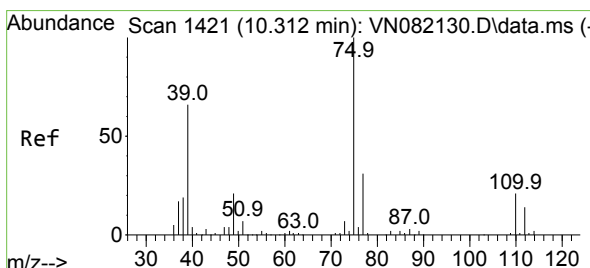
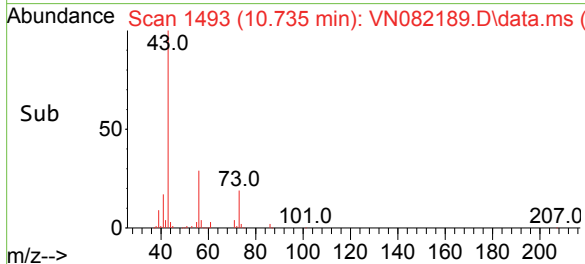
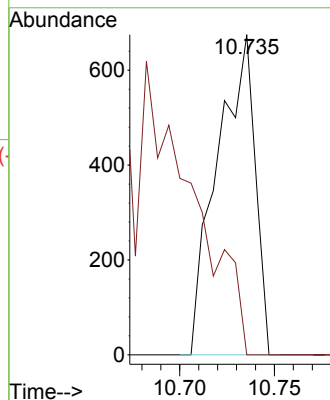
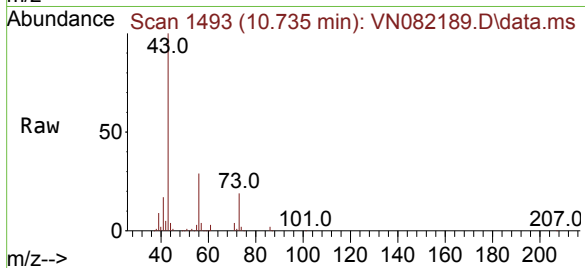
PB160967ZHE#07

Tgt Ion: 75 Resp: 934

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 12.881 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN082189.D

Acq: 17 May 2024 19:22

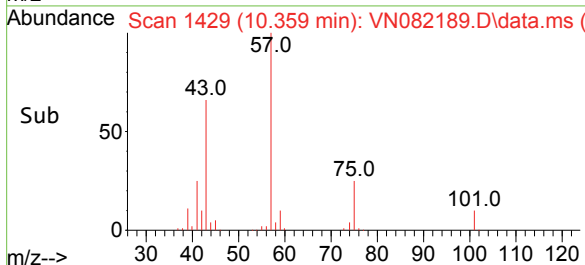
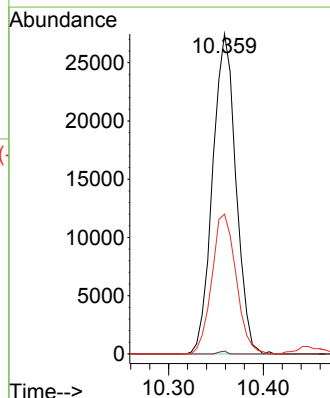
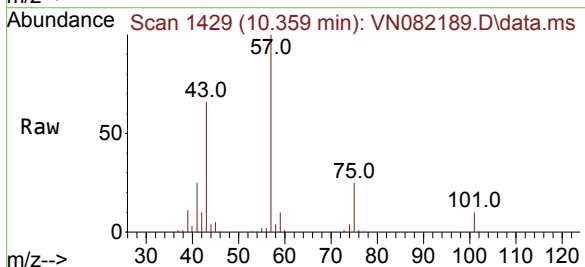
Tgt Ion: 75 Resp: 46917

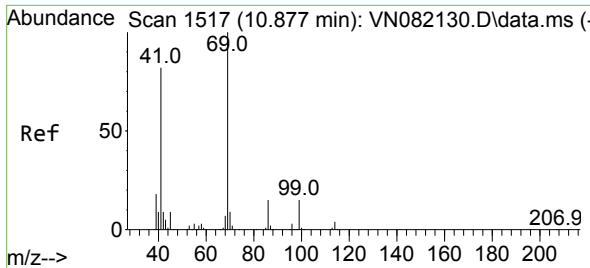
Ion Ratio Lower Upper

75 100

77 0.9 25.0 37.4#

39 43.7 34.8 52.2

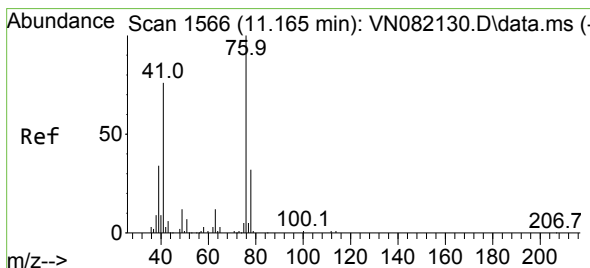
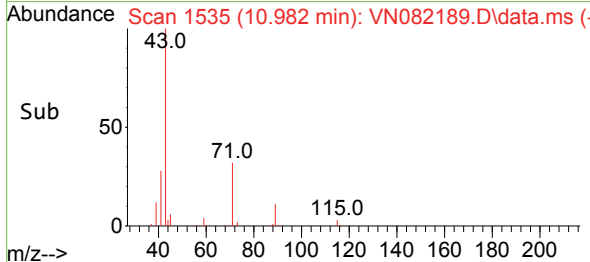
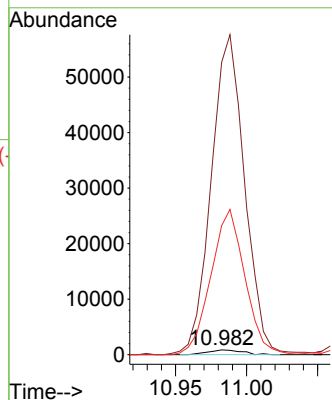
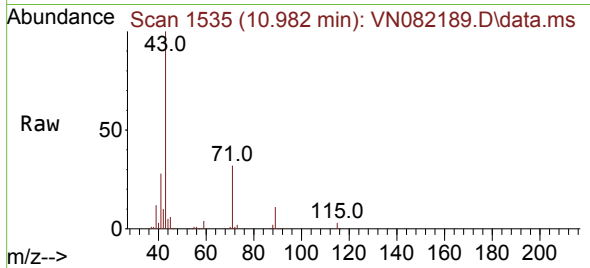




#56
Ethyl methacrylate
Concen: 0.416 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

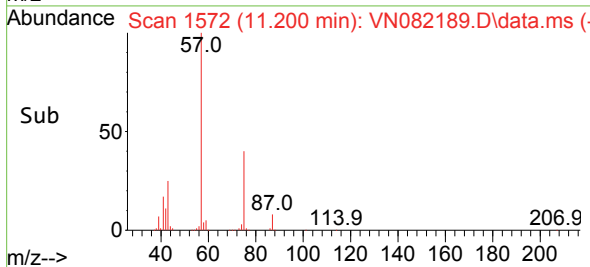
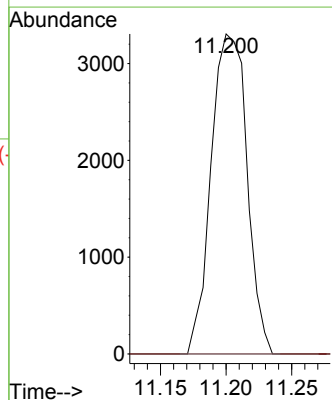
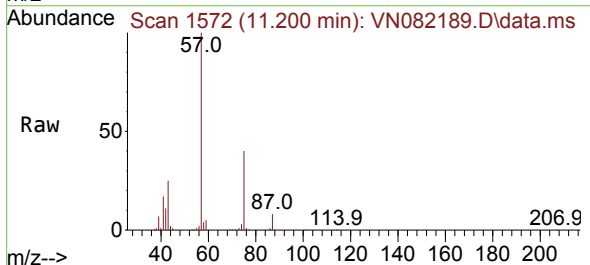
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

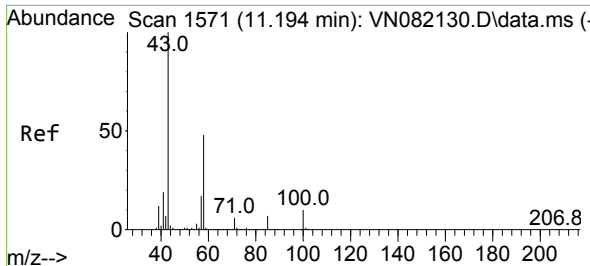
Tgt Ion: 69 Resp: 1432
Ion Ratio Lower Upper
69 100
41 6609.5 46.6 70.0#
39 3047.1 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.657 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 76 Resp: 6286
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

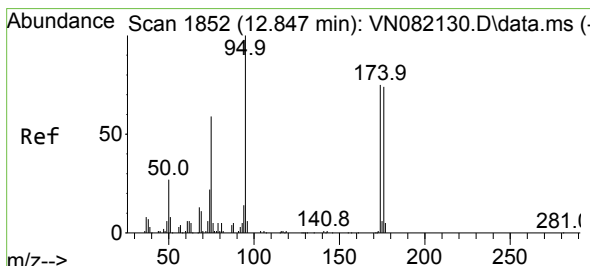
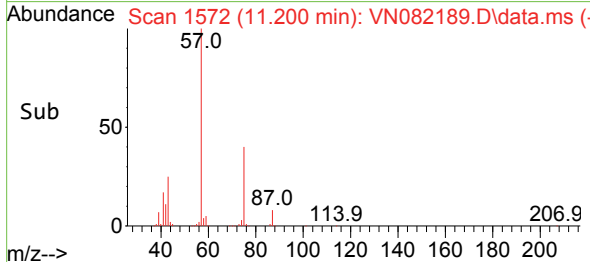
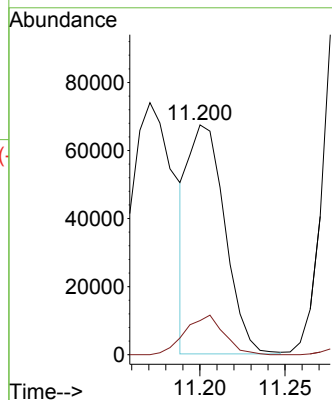
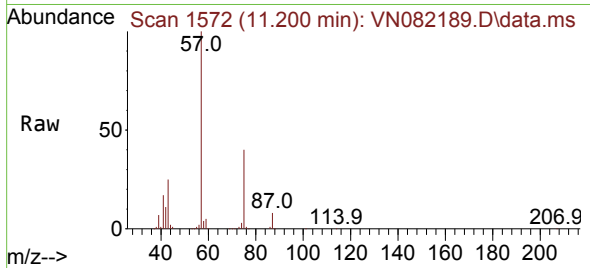




#59
2-Hexanone
Concen: 39.019 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

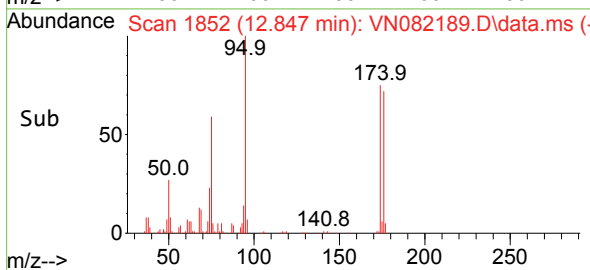
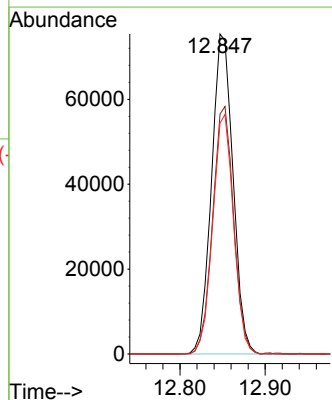
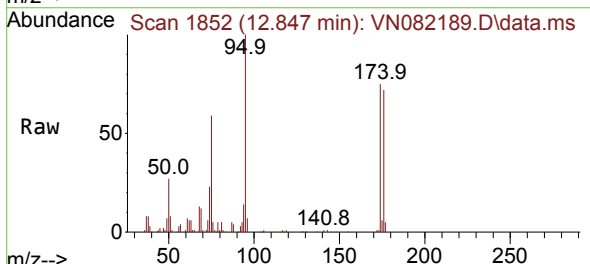
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

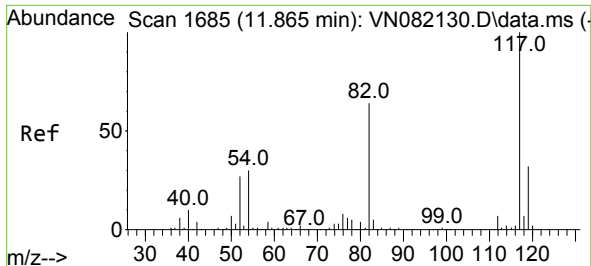
Tgt Ion: 43 Resp: 100432
Ion Ratio Lower Upper
43 100
58 18.4 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 51.825 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 95 Resp: 131929
Ion Ratio Lower Upper
95 100
174 75.7 0.0 160.6
176 72.4 0.0 152.8

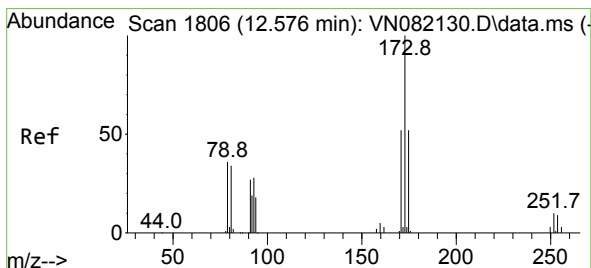
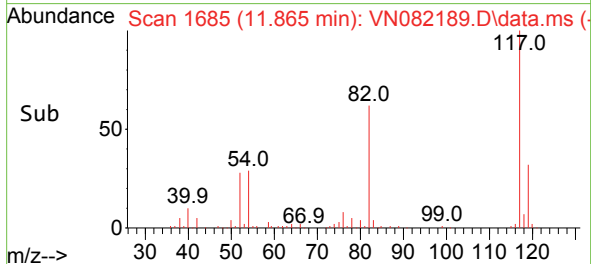
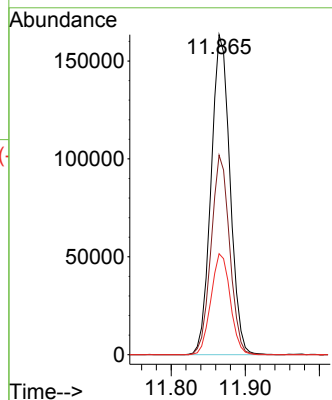
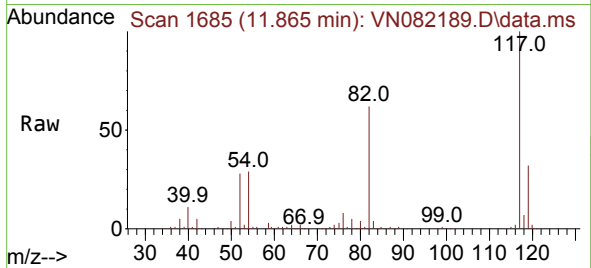




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

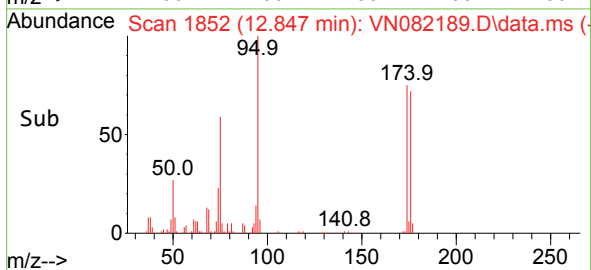
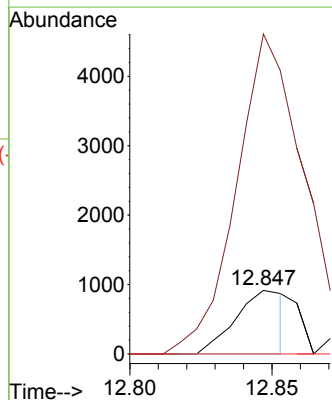
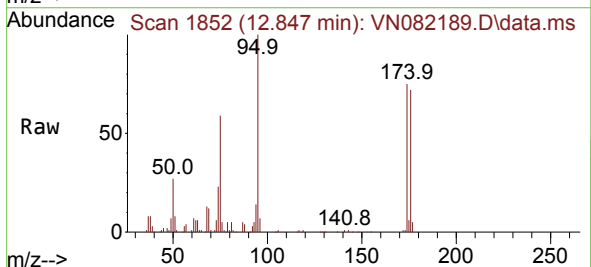
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

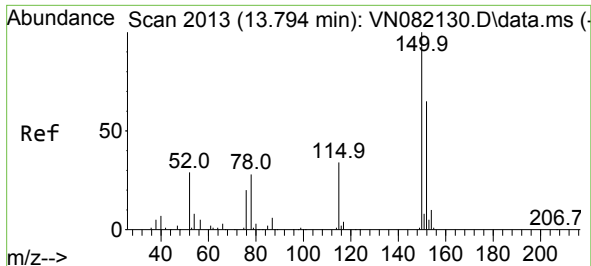
Tgt Ion:117 Resp: 289649
Ion Ratio Lower Upper
117 100
82 62.4 44.6 66.8
119 31.6 25.9 38.9



#71
Bromoform
Concen: 1.344 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion:173 Resp: 1093
Ion Ratio Lower Upper
173 100
175 490.3 24.6 74.0#
254 0.0 0.0 0.0

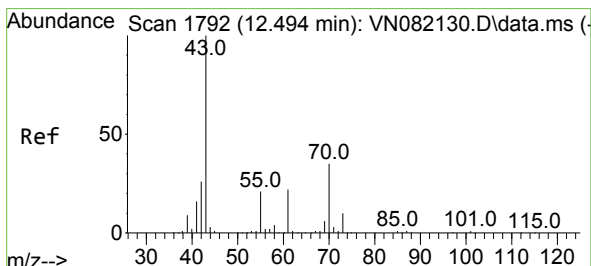
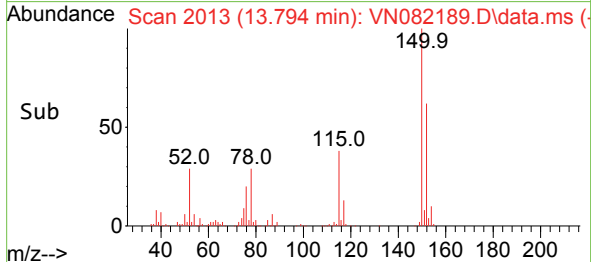
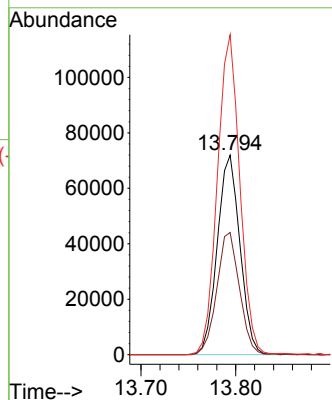
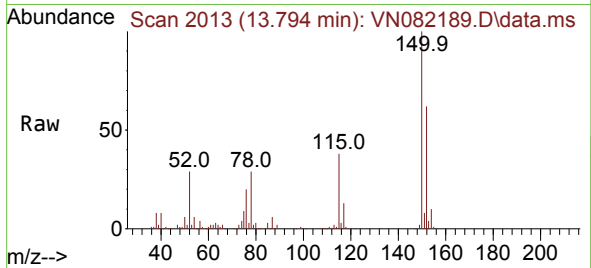




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

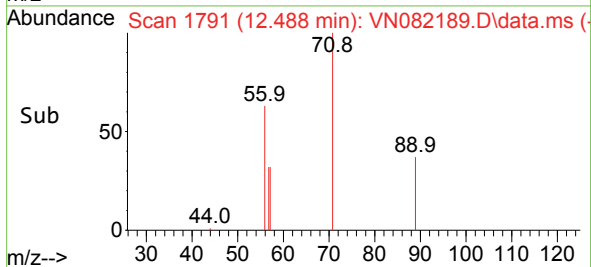
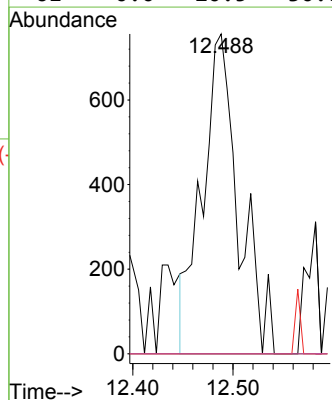
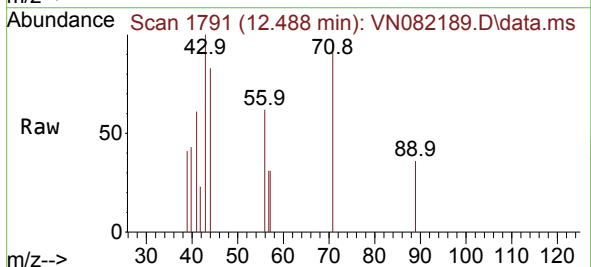
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

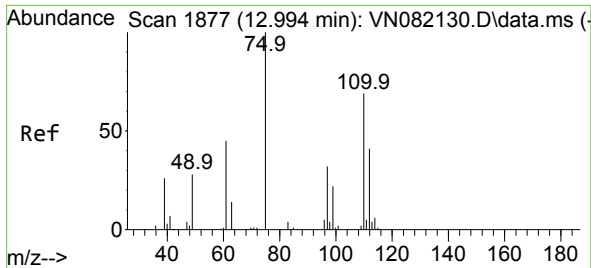
Tgt Ion:152 Resp: 119821
Ion Ratio Lower Upper
152 100
115 61.2 30.4 91.3
150 158.8 0.0 353.2



#74
N-ethyl acetate
Concen: 0.364 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 43 Resp: 1907
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#

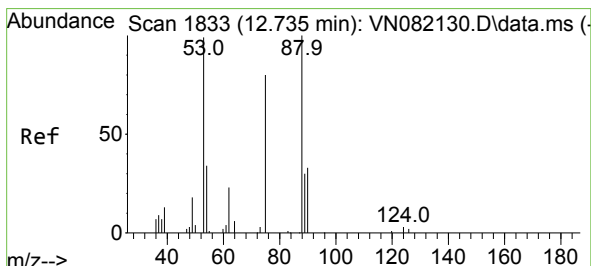
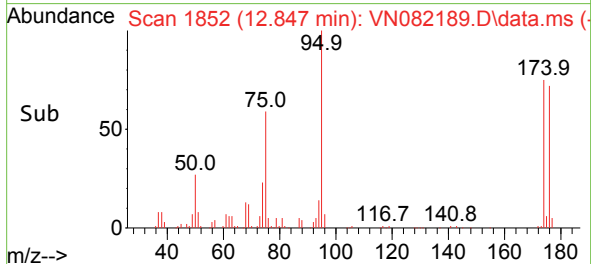
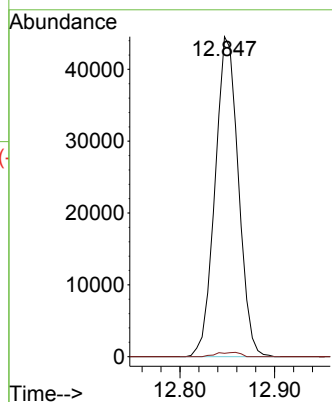
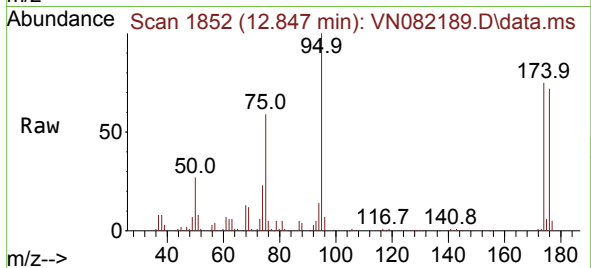




#76
1,2,3-Trichloropropane
Concen: 30.260 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#07

Tgt Ion: 75 Resp: 76314
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.777 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082189.D
Acq: 17 May 2024 19:22

Tgt Ion: 75 Resp: 76314
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

