

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082404.D
 Acq On : 31 May 2024 13:33
 Operator : JC\MD
 Sample : PB161190ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#02

Quant Time: May 31 22:57:08 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)

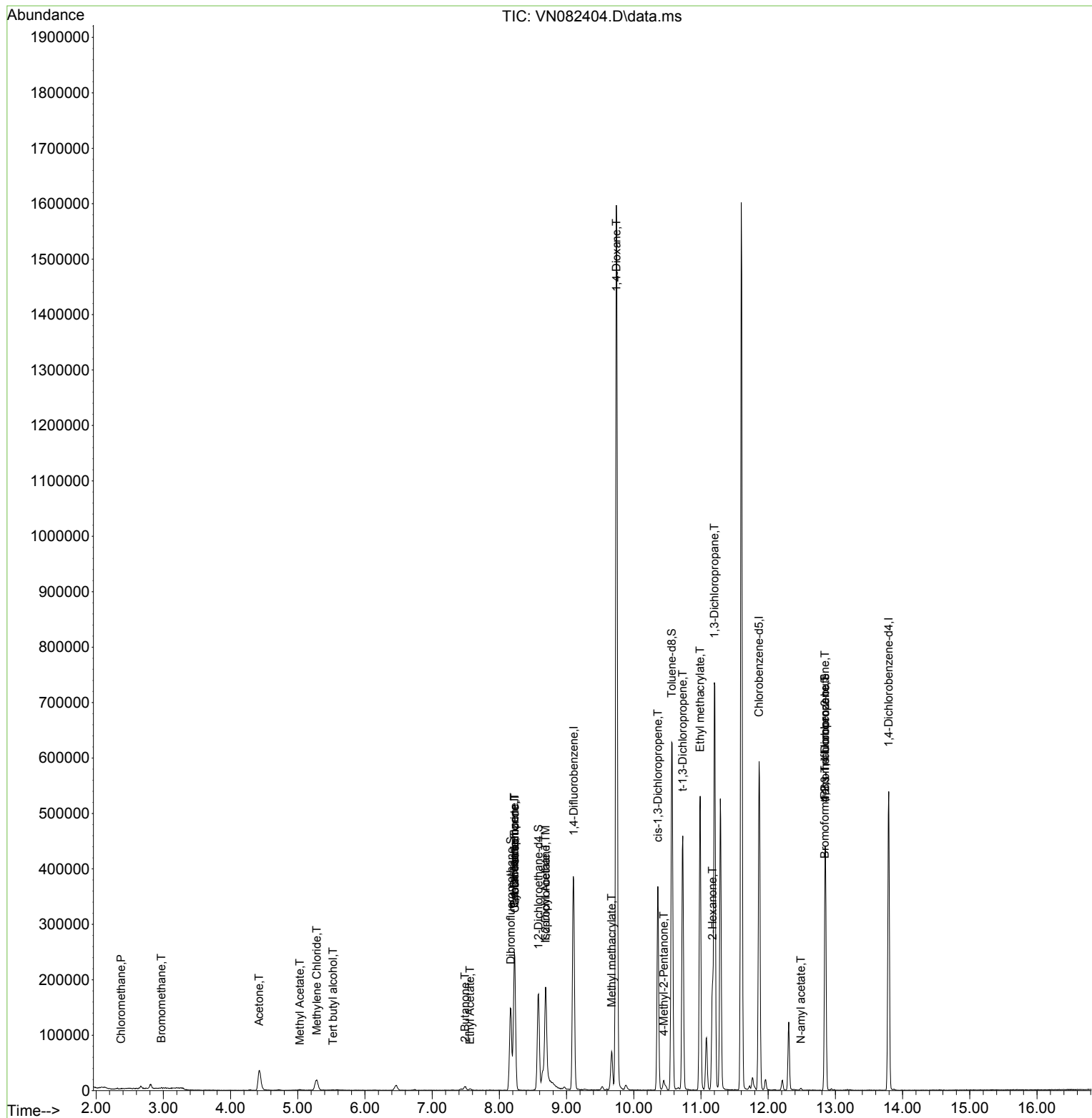
Internal Standards						
1) Pentafluorobenzene	8.224	168	172039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	312293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	145240	53.465	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.940%			
35) Dibromofluoromethane	8.171	113	103509	53.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.760%			
50) Toluene-d8	10.565	98	412339	55.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.960%			
62) 4-Bromofluorobenzene	12.847	95	143163	54.459	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.920%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	596	0.212	ug/l #	43
5) Bromomethane	2.971	94	699	0.460	ug/l #	63
11) Tert butyl alcohol	5.524	59	145	0.333	ug/l #	71
16) Acetone	4.424	43	72291	64.871	ug/l	93
18) Methyl Acetate	5.030	43	2388	0.860	ug/l #	53
20) Methylene Chloride	5.283	84	14107	6.274	ug/l #	89
25) 2-Butanone	7.489	43	12074	7.146	ug/l #	76
31) Cyclohexane	8.224	56	4796	1.105	ug/l #	53
36) 1,1-Dichloropropene	8.224	75	16399	5.090	ug/l #	49
37) Ethyl Acetate	7.565	43	4674	1.296	ug/l #	75
38) Carbon Tetrachloride	8.230	117	18744	5.739	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1151	0.311	ug/l #	73
43) Isopropyl Acetate	8.688	43	263237	41.200	ug/l #	73
48) Methyl methacrylate	9.671	41	5129	1.685	ug/l #	39
49) 1,4-Dioxane	9.741	88	70	1.641	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	19500	5.372	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	1050	0.295	ug/l #	82
54) cis-1,3-Dichloropropene	10.359	75	55584	14.778	ug/l #	76
56) Ethyl methacrylate	10.988	69	1501	0.422	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7064	1.803	ug/l #	42
59) 2-Hexanone	11.171	43	162546	61.154	ug/l #	23
71) Bromoform	12.841	173	581	1.017	ug/l #	28
74) N-amyl acetate	12.488	43	2220	0.382	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	84394	30.155	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84394	70.532	ug/l #	12

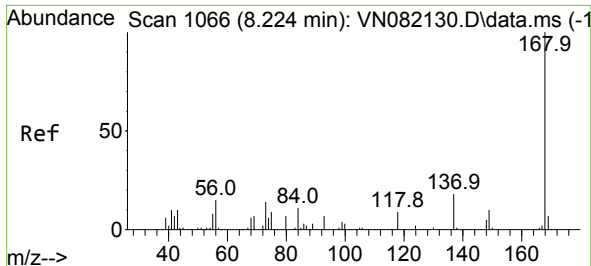
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
Data File : VN082404.D
Acq On : 31 May 2024 13:33
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Sample : PB161190ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

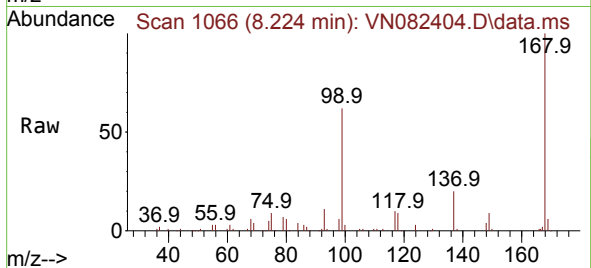
Quant Time: May 31 22:57:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



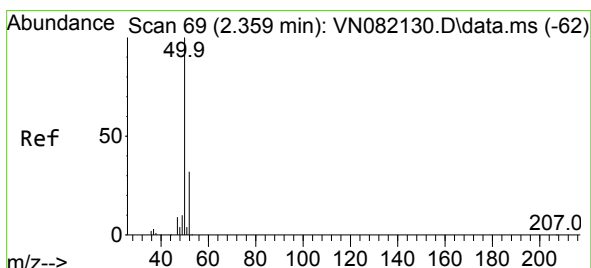
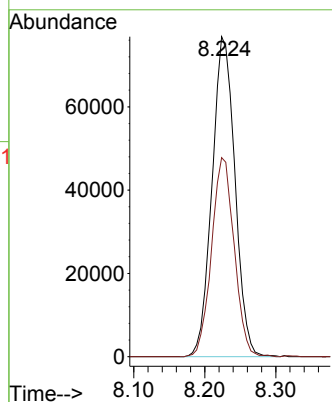
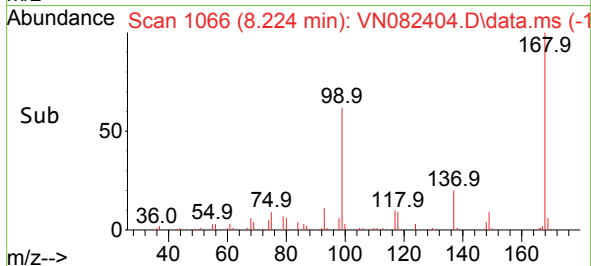


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

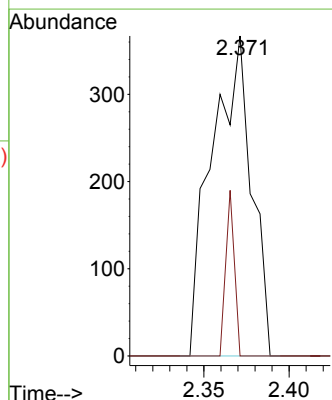
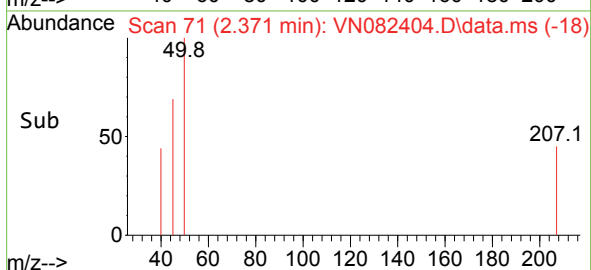
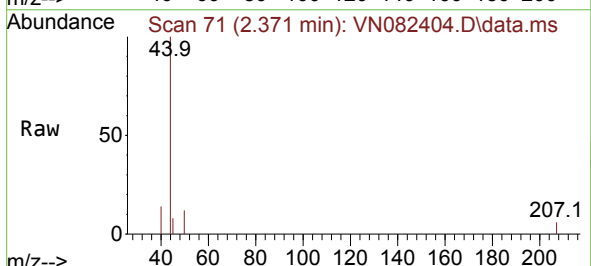


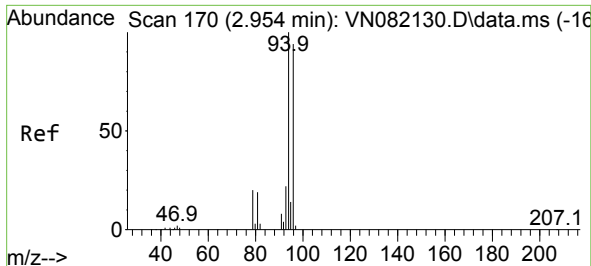
Tgt Ion:168 Resp: 172039
Ion Ratio Lower Upper
168 100
99 62.2 48.2 72.4



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Tgt Ion: 50 Resp: 596
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

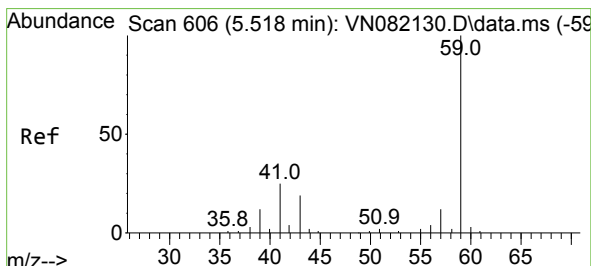
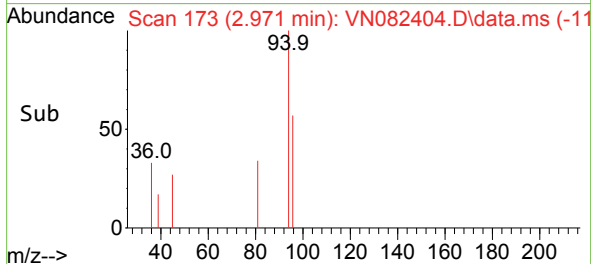
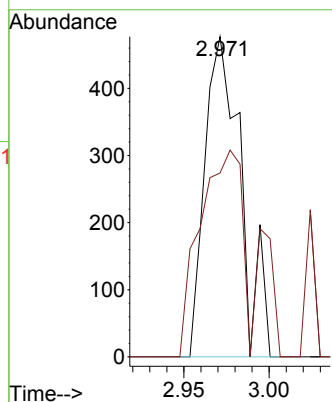
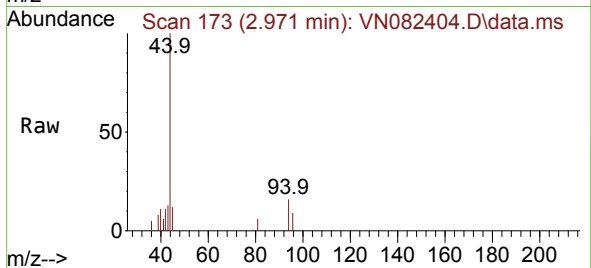




#5
Bromomethane
Concen: 0.460 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

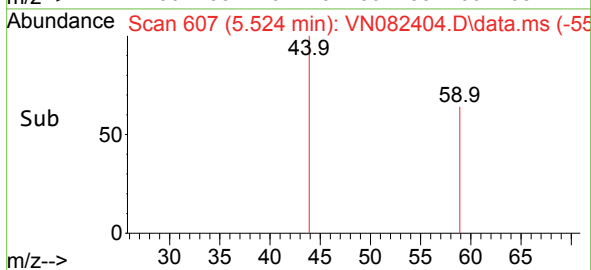
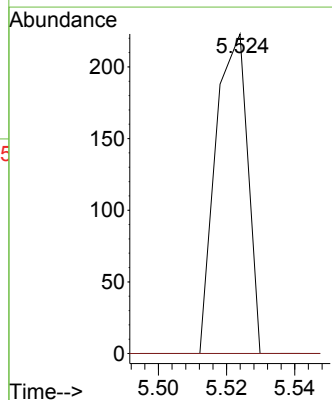
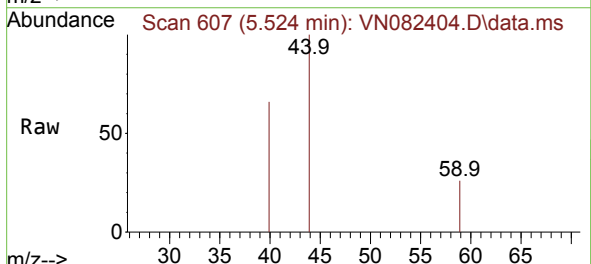
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

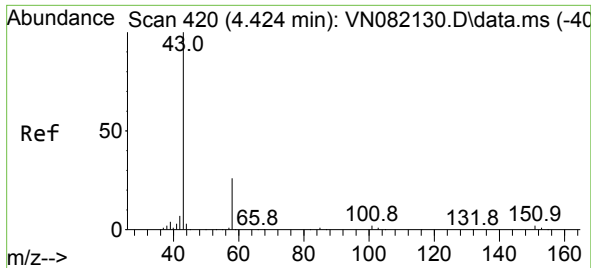
Tgt Ion: 94 Resp: 699
Ion Ratio Lower Upper
94 100
96 57.4 74.8 112.2#



#11
Tert butyl alcohol
Concen: 0.333 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

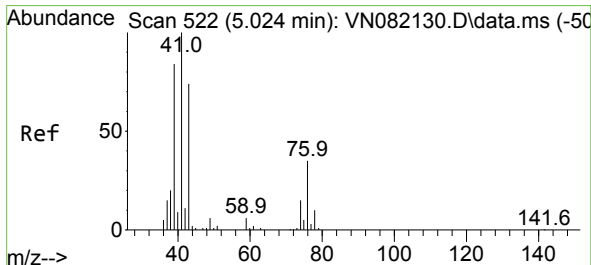
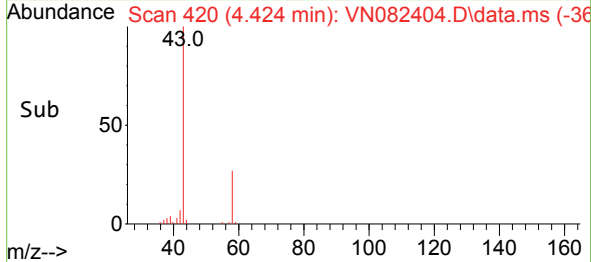
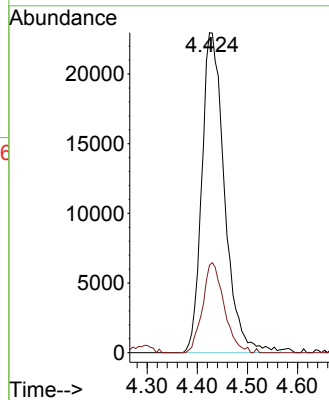
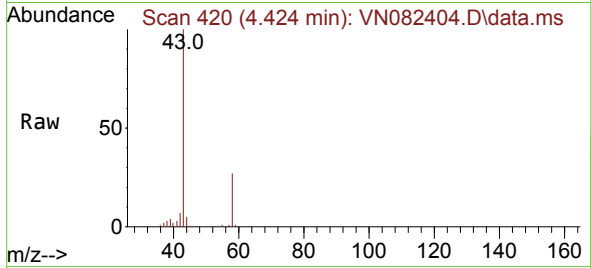




#16
Acetone
Concen: 64.871 ug/l
RT: 4.424 min Scan# 431
Delta R.T. 0.000 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

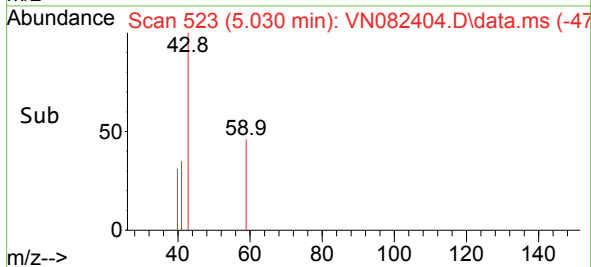
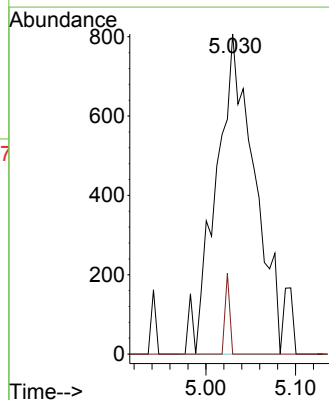
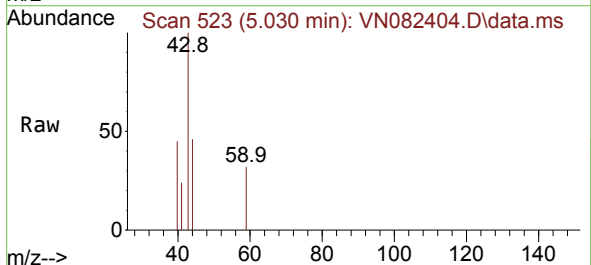
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

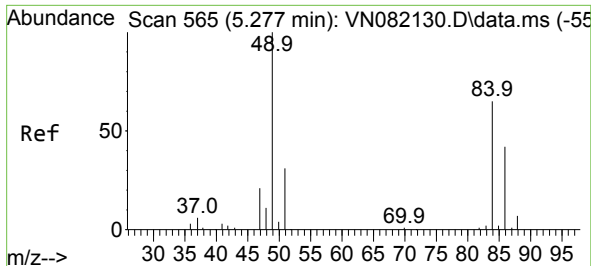
Tgt Ion: 43 Resp: 72291
Ion Ratio Lower Upper
43 100
58 27.4 25.2 37.8



#18
Methyl Acetate
Concen: 0.860 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
74 3.0 22.2 33.2#

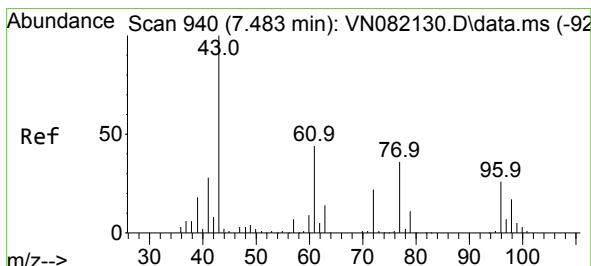
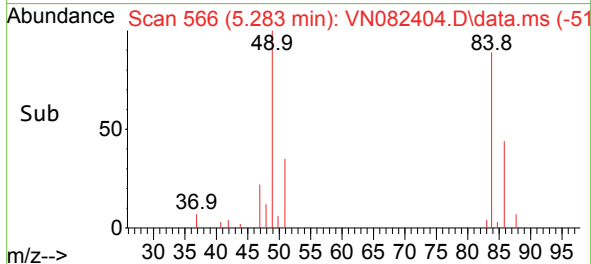
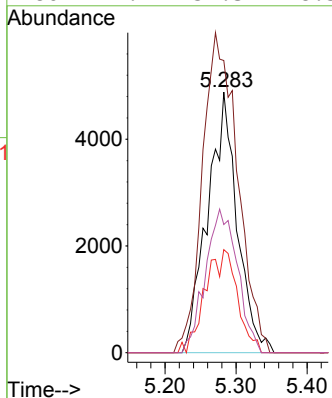
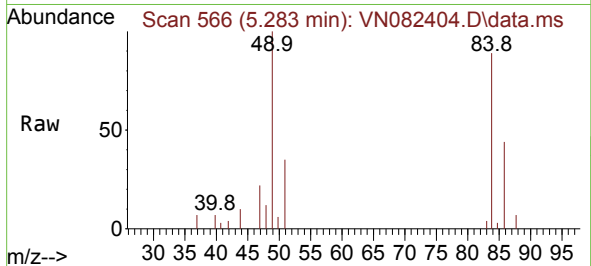




#20
Methylene Chloride
Concen: 6.274 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

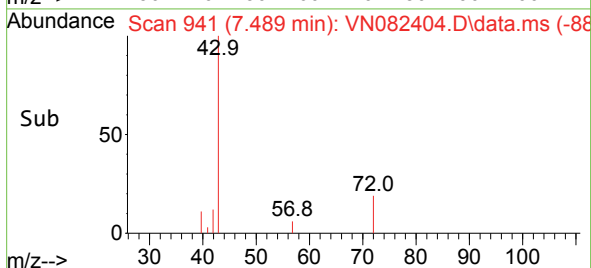
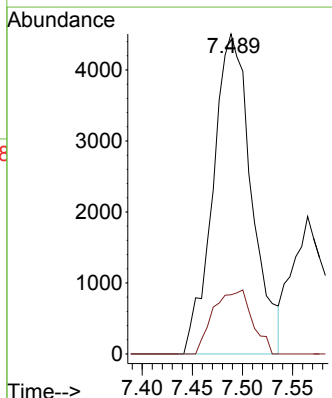
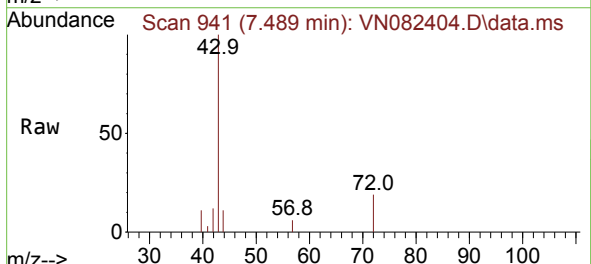
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

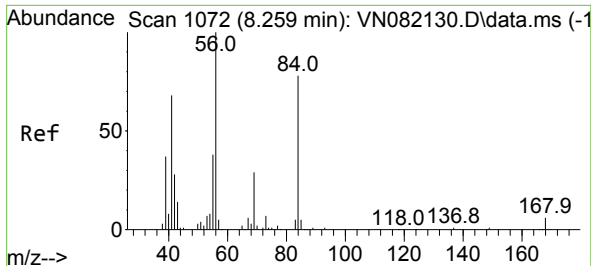
Tgt Ion: 84	Resp: 14107
Ion Ratio	Lower Upper
84 100	
49 112.1	84.9 127.3
51 39.5	27.0 40.6
86 49.2	52.3 78.5#



#25
2-Butanone
Concen: 7.146 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

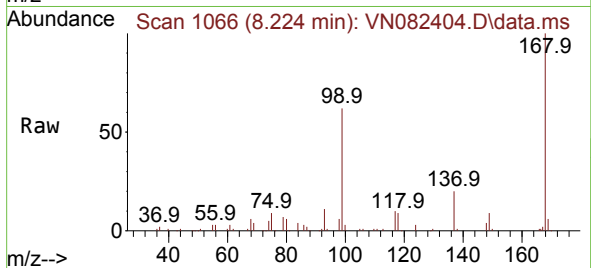
Tgt Ion: 43	Resp: 12074
Ion Ratio	Lower Upper
43 100	
72 18.5	25.3 37.9#



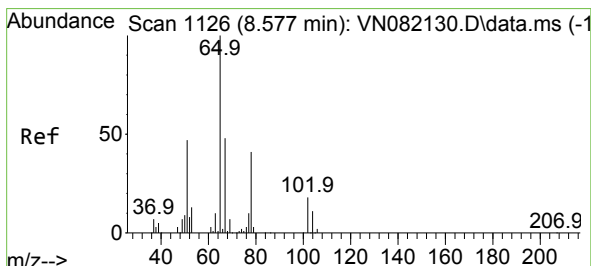
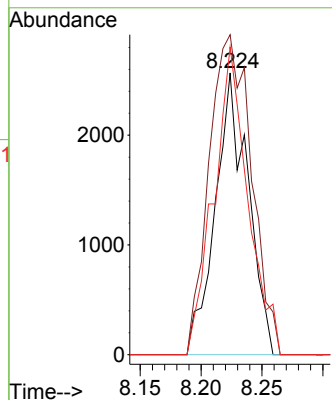
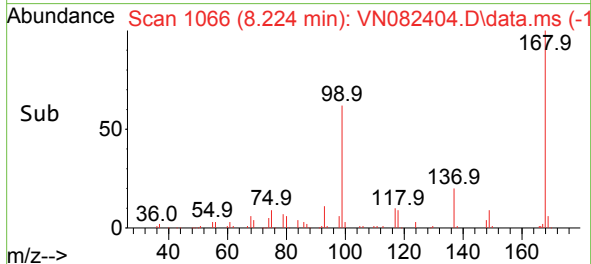


#31
Cyclohexane
Concen: 1.105 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

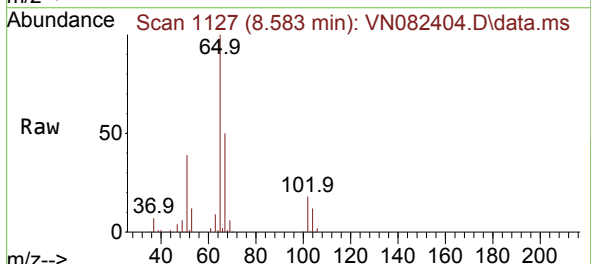
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ClientSampleId :
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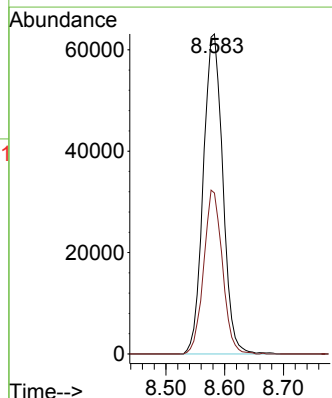
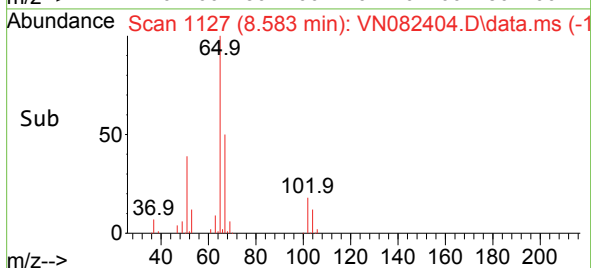
Tgt Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 113.6 24.4 36.6#
84 109.2 77.0 115.4

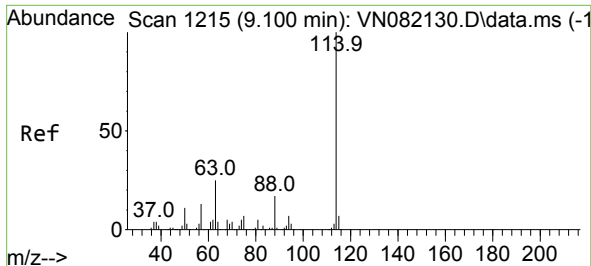


#33
1,2-Dichloroethane-d4
Concen: 53.465 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33



Tgt Ion: 65 Resp: 145240
Ion Ratio Lower Upper
65 100
67 49.1 0.0 103.0

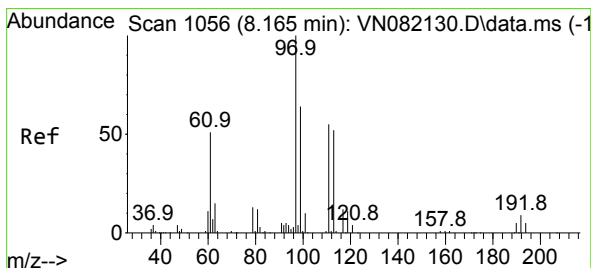
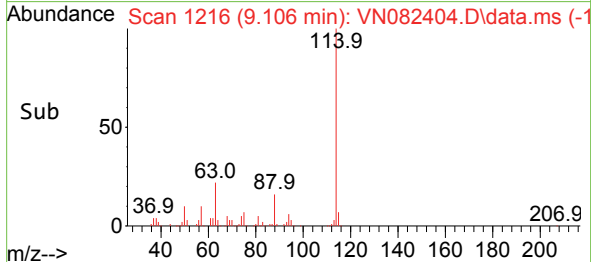
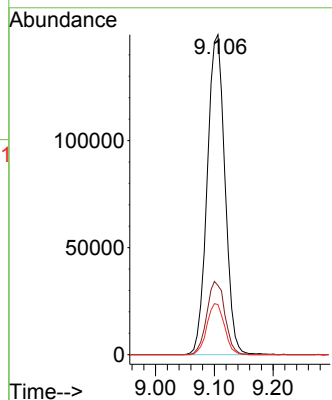
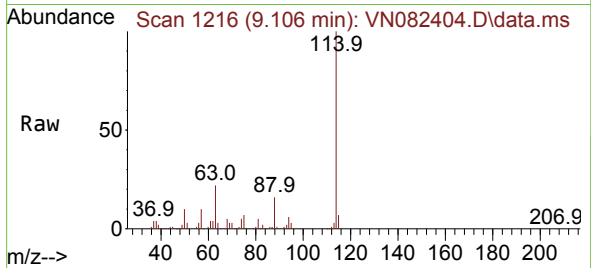




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

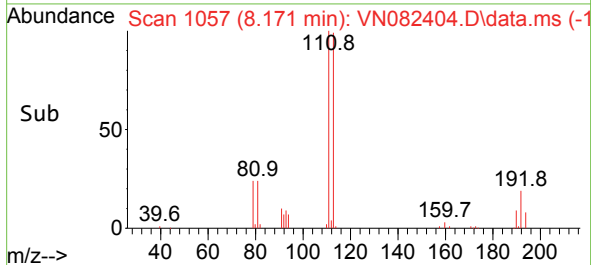
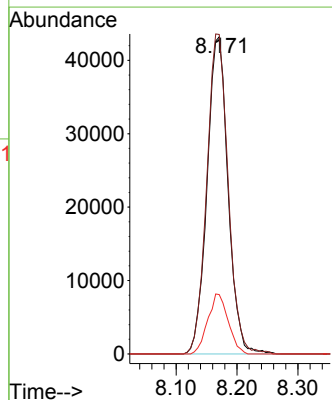
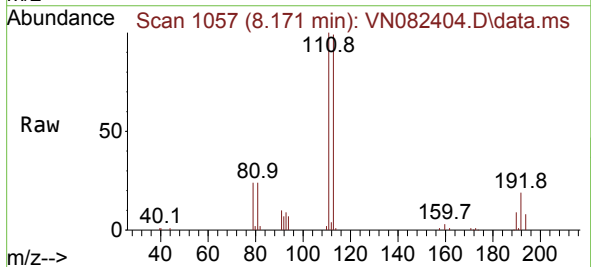
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PB161190ZHE#02

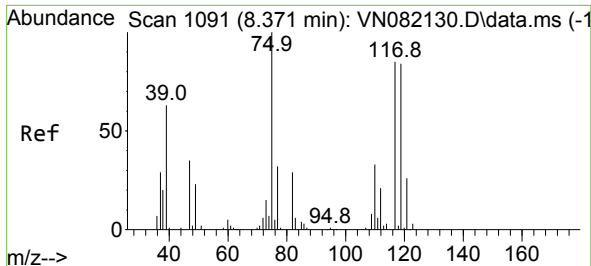
Tgt Ion:114 Resp: 312293
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.0
88 15.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.881 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

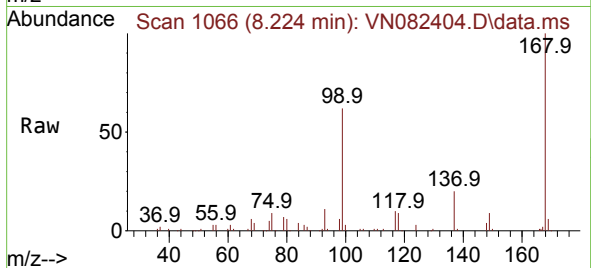
Tgt Ion:113 Resp: 103509
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.2
192 18.4 14.0 21.0



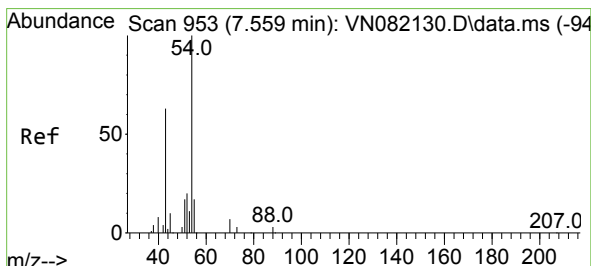
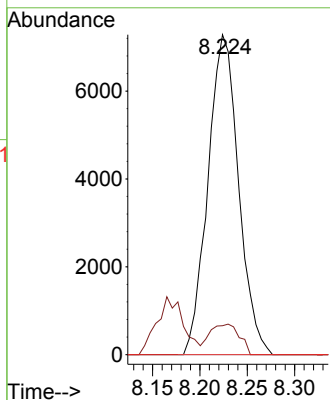
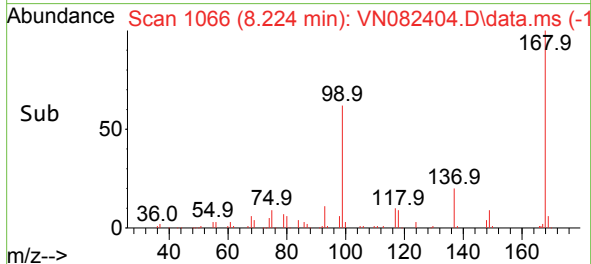


#36
1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

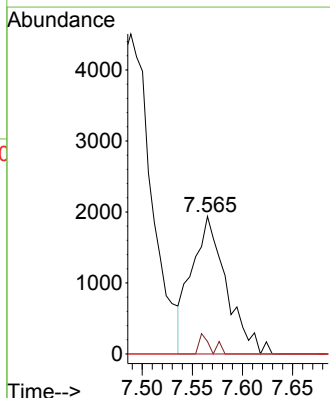
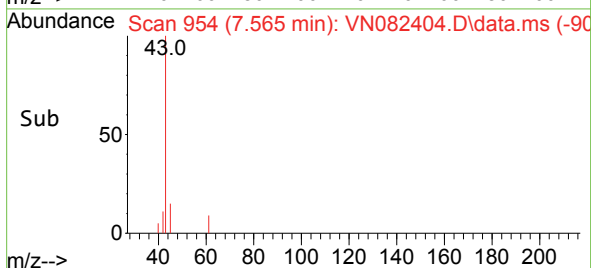
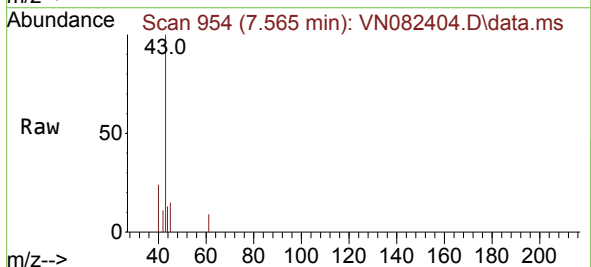


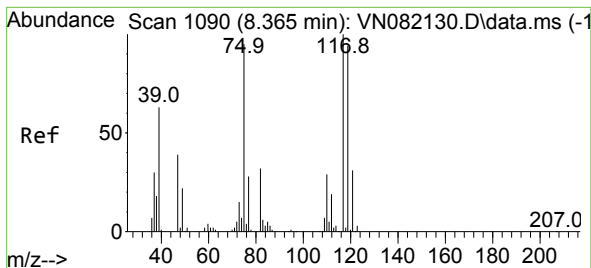
Tgt Ion: 75 Resp: 16399
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.296 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Tgt Ion: 43 Resp: 4674
Ion Ratio Lower Upper
43 100
61 4.8 11.3 16.9#
70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN082404.D

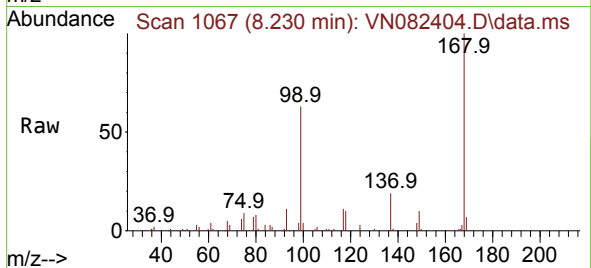
Acq: 31 May 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#02



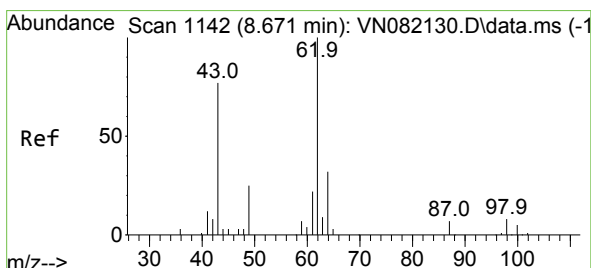
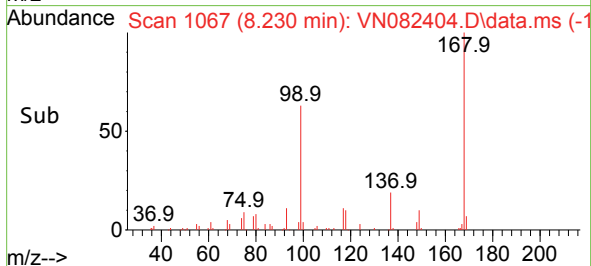
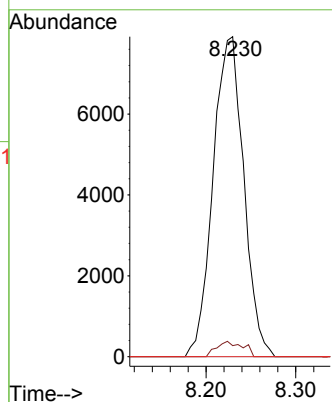
Tgt Ion:117 Resp: 18744

Ion Ratio Lower Upper

117 100

119 3.5 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.311 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082404.D

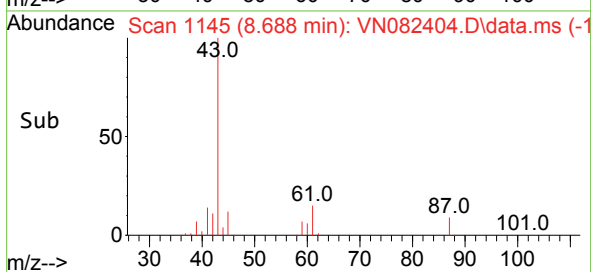
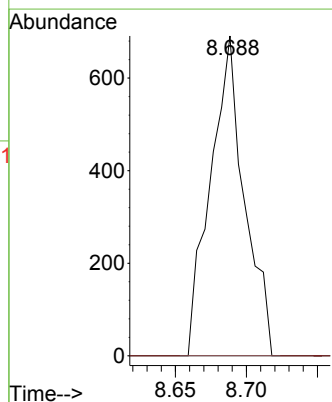
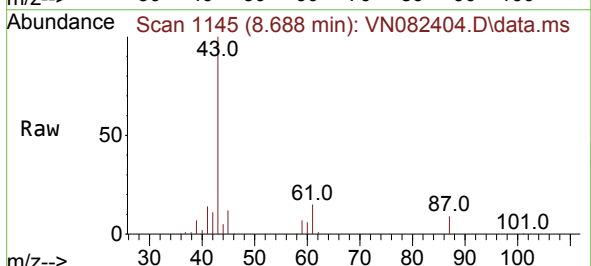
Acq: 31 May 2024 13:33

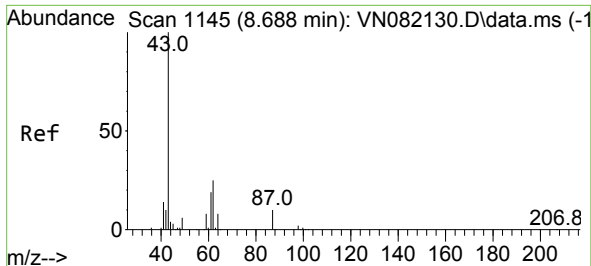
Tgt Ion: 62 Resp: 1151

Ion Ratio Lower Upper

62 100

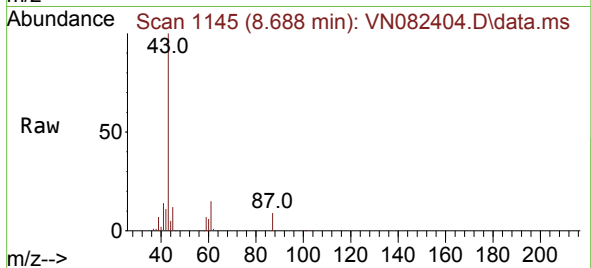
98 0.0 0.0 19.6



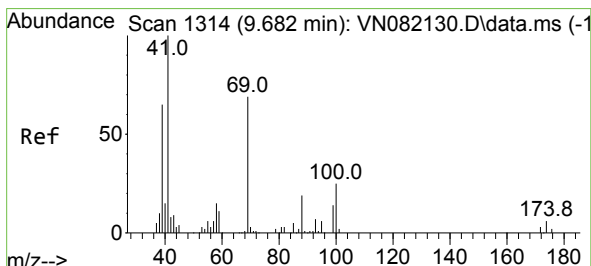
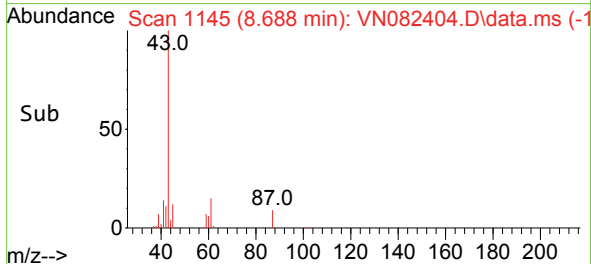
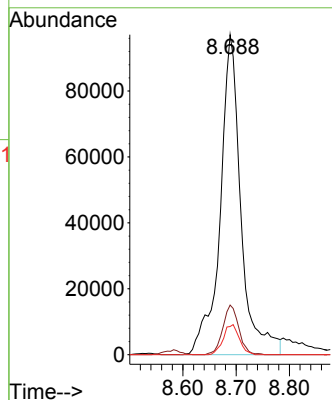


#43
Isopropyl Acetate
Concen: 41.200 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

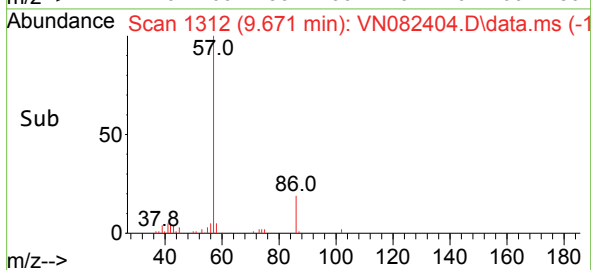
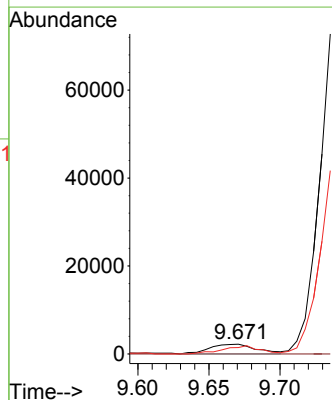
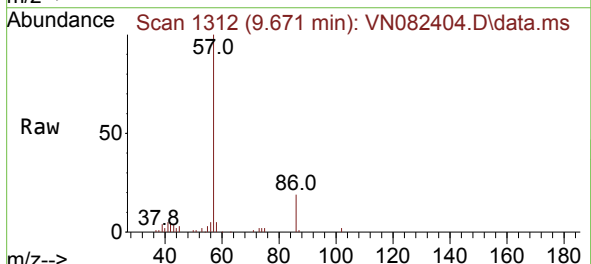


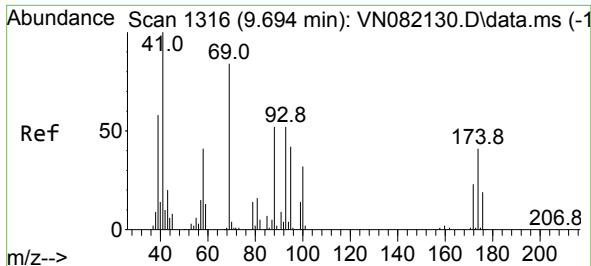
Tgt Ion: 43 Resp: 263237
Ion Ratio Lower Upper
43 100
61 11.9 22.8 34.2#
87 7.3 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.685 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Tgt Ion: 41 Resp: 5129
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 65.9 50.9 76.3





#49

1,4-Dioxane

Concen: 1.641 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN082404.D

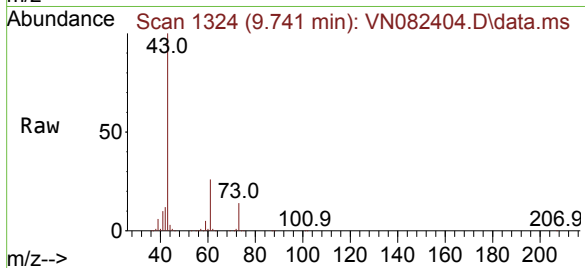
Acq: 31 May 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#02



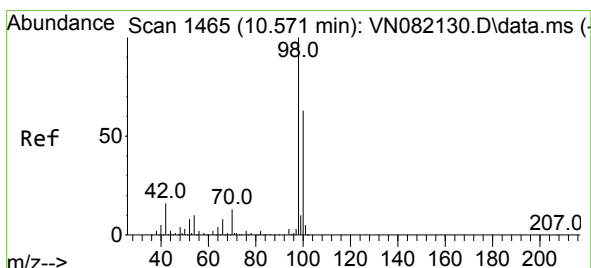
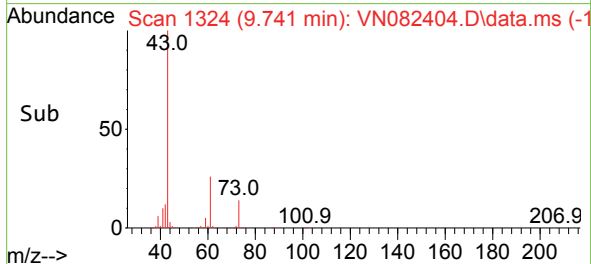
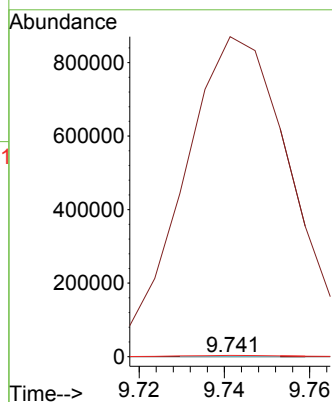
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 2242702.9 19.0 28.6#

58 8981.4 50.6 76.0#



#50

Toluene-d8

Concen: 55.984 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN082404.D

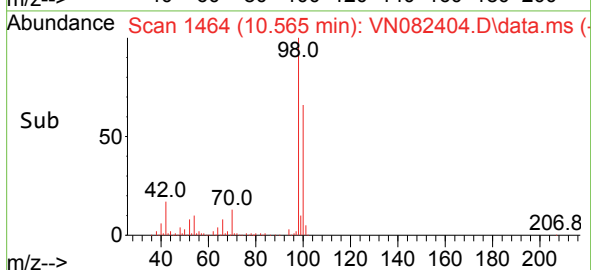
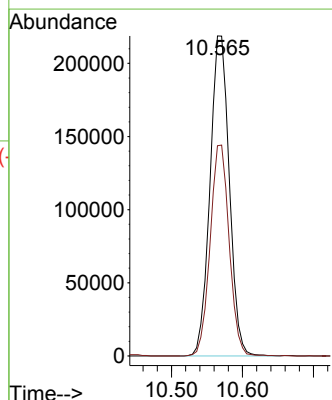
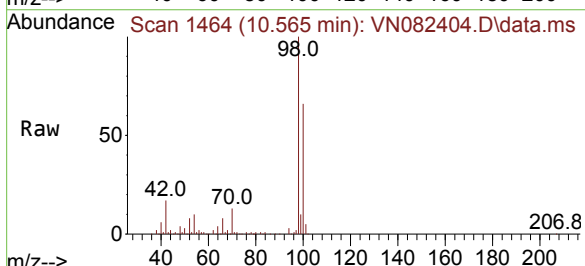
Acq: 31 May 2024 13:33

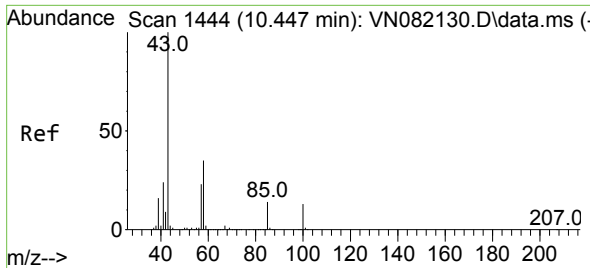
Tgt Ion: 98 Resp: 412339

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.6

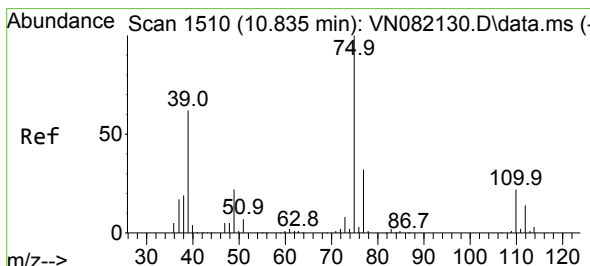
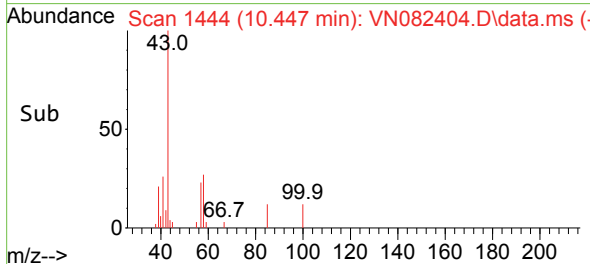
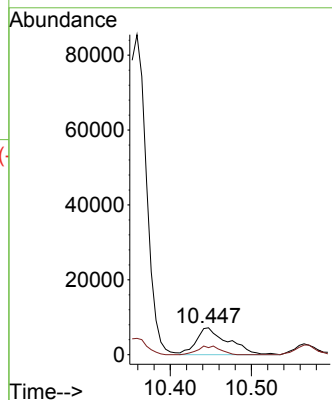
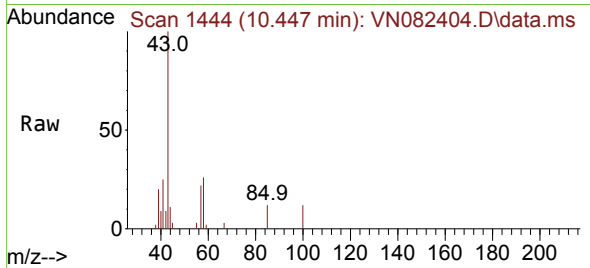




#51
4-Methyl-2-Pentanone
Concen: 5.372 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

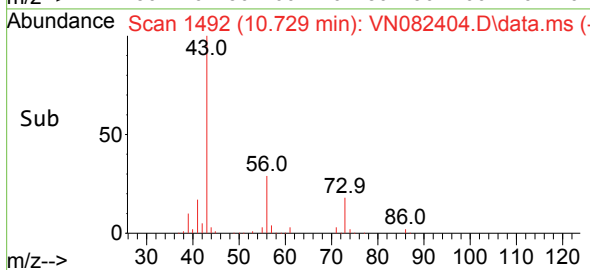
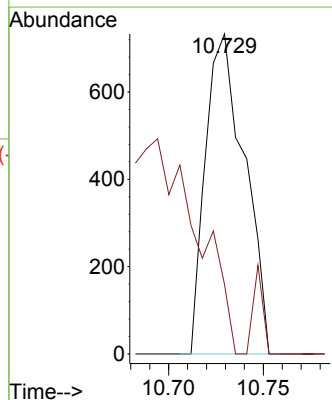
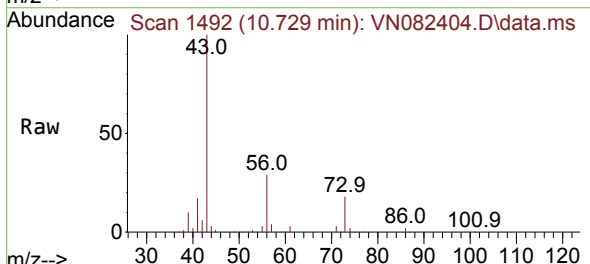
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

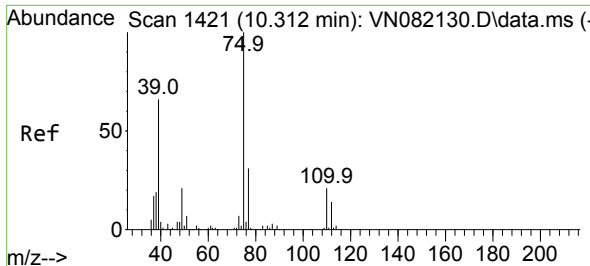
Tgt Ion: 43 Resp: 19500
Ion Ratio Lower Upper
43 100
58 23.0 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.295 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Tgt Ion: 75 Resp: 1050
Ion Ratio Lower Upper
75 100
77 21.7 25.4 38.0#

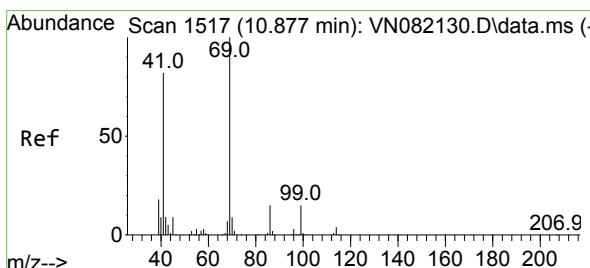
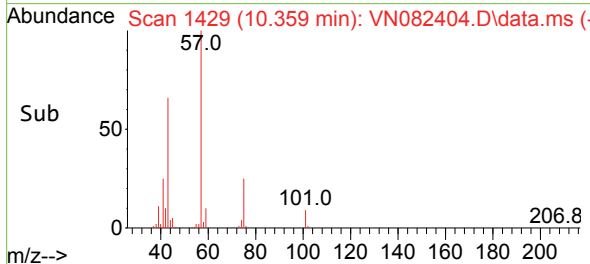
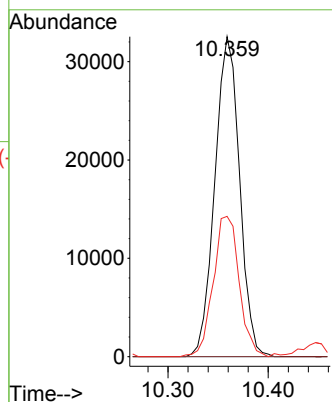
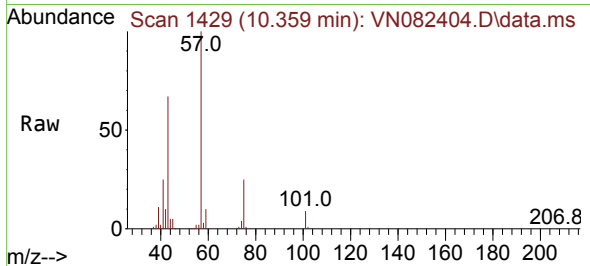




#54
cis-1,3-Dichloropropene
Concen: 14.778 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

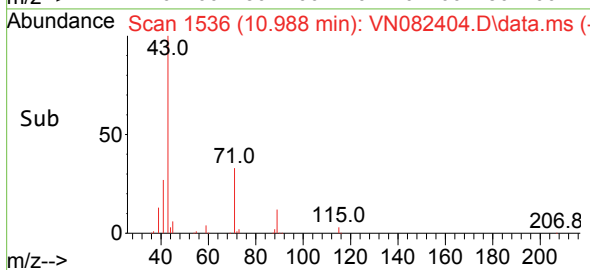
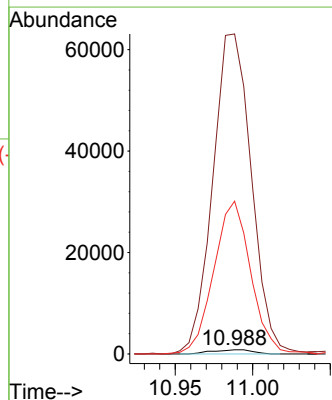
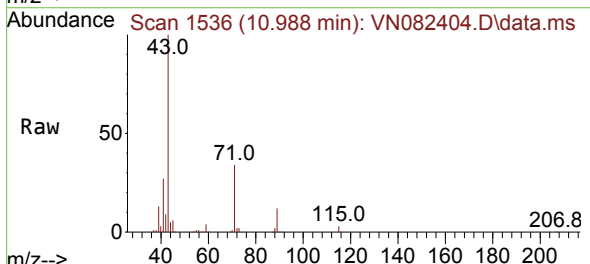
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

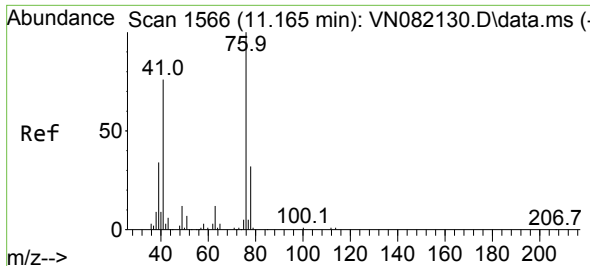
Tgt Ion: 75 Resp: 55584
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 43.8 34.8 52.2



#56
Ethyl methacrylate
Concen: 0.422 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Tgt Ion: 69 Resp: 1501
Ion Ratio Lower Upper
69 100
41 7297.8 46.6 70.0#
39 3332.0 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.803 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

Lab File: VN082404.D

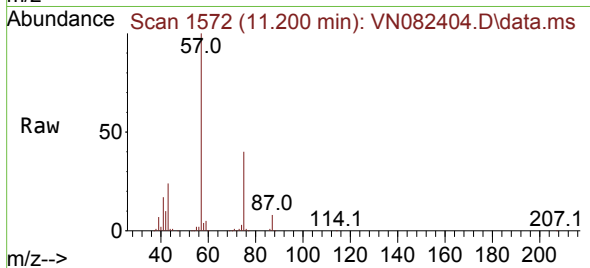
Acq: 31 May 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#02

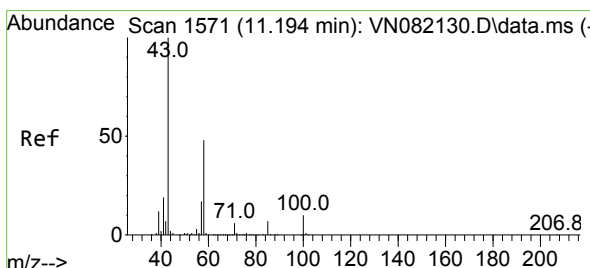
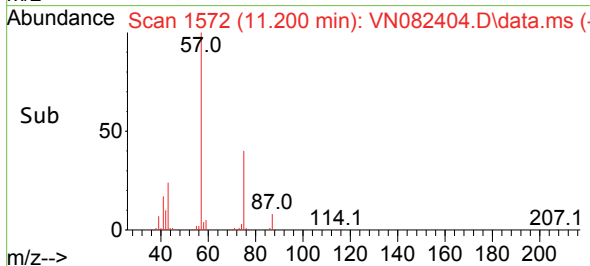
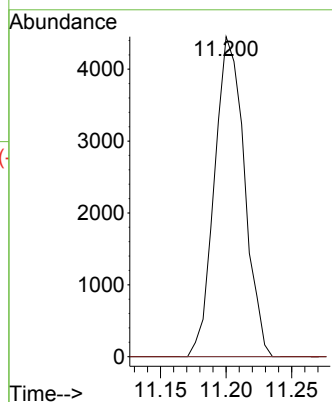


Tgt Ion: 76 Resp: 7064

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 61.154 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082404.D

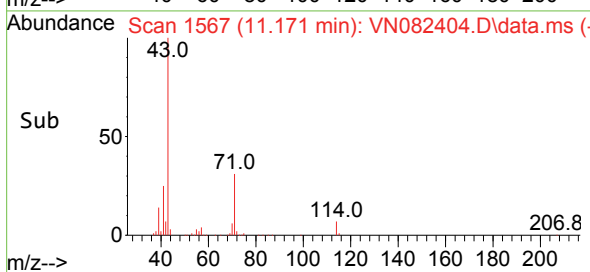
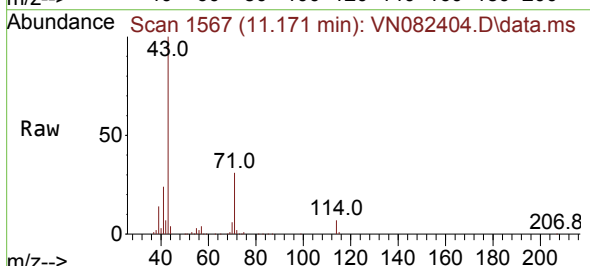
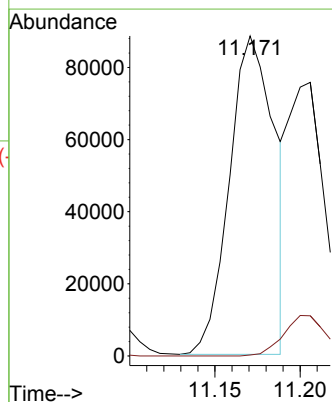
Acq: 31 May 2024 13:33

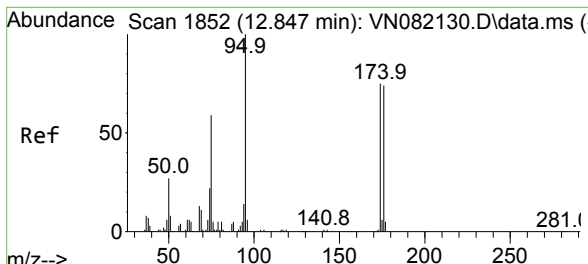
Tgt Ion: 43 Resp: 162546

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

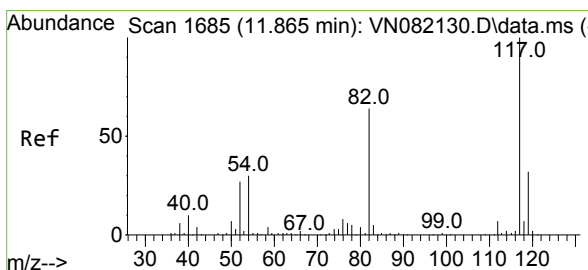
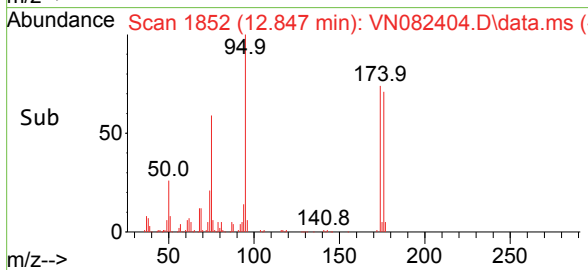
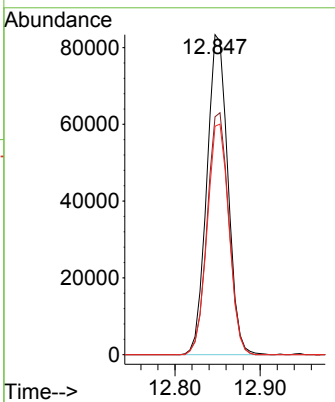
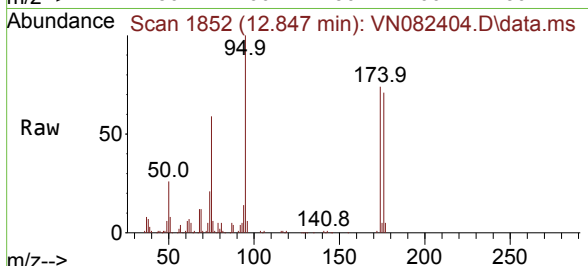




#62
 4-Bromofluorobenzene
 Concen: 54.459 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN082404.D
 Acq: 31 May 2024 13:33

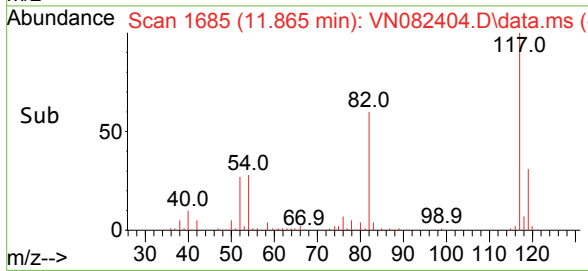
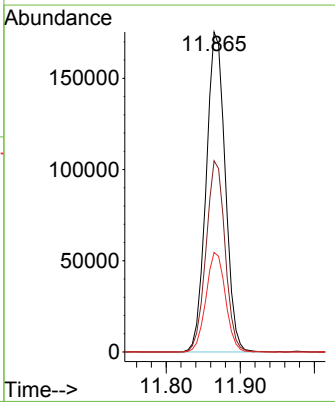
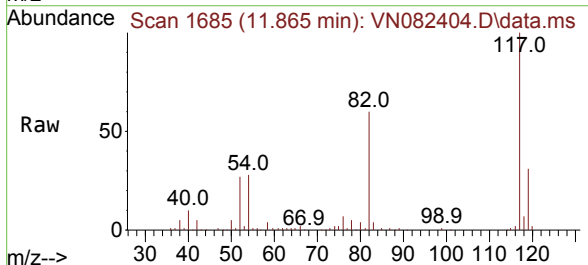
Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#02

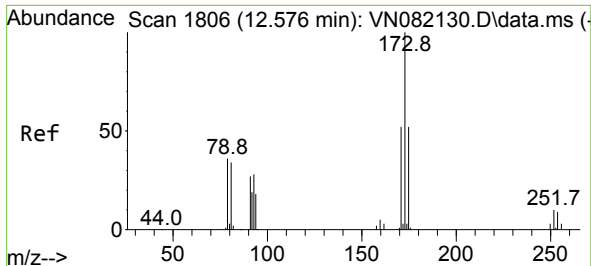
Tgt Ion:	95	Resp:	143163
Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	160.6
176	74.0	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN082404.D
 Acq: 31 May 2024 13:33

Tgt Ion:	117	Resp:	312970
Ion	Ratio	Lower	Upper
117	100		
82	59.8	44.6	66.8
119	31.1	25.9	38.9

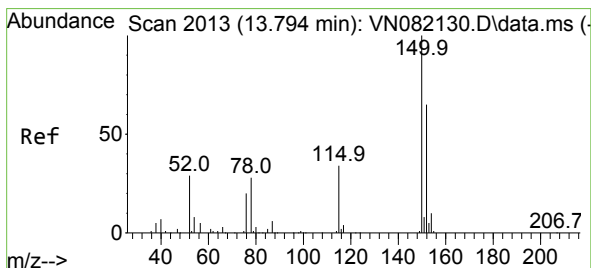
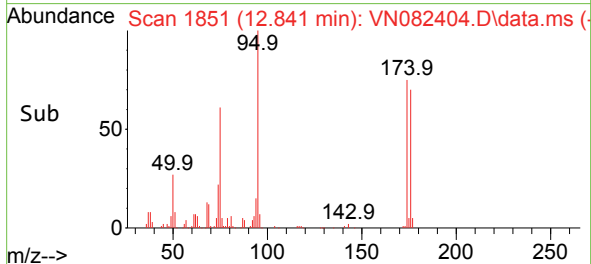
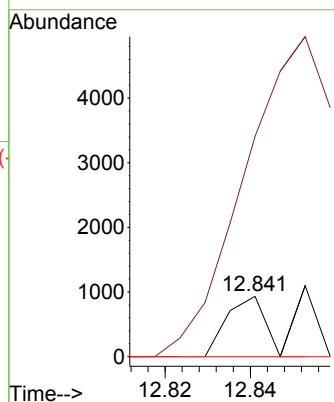
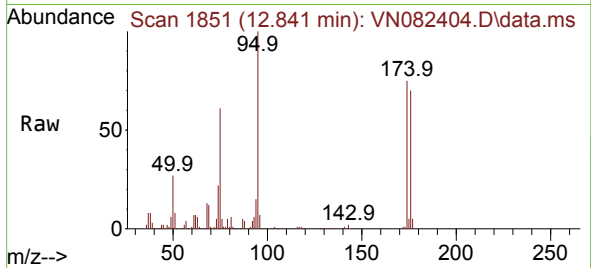




#71
Bromoform
Concen: 1.017 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

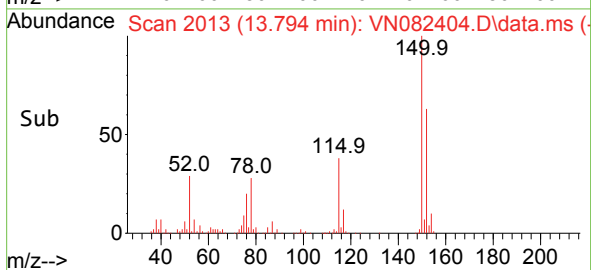
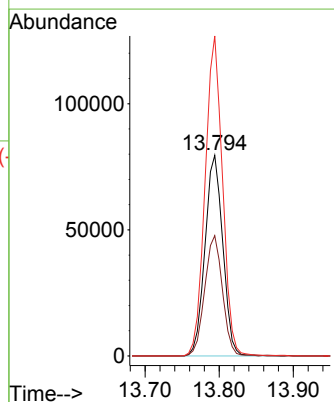
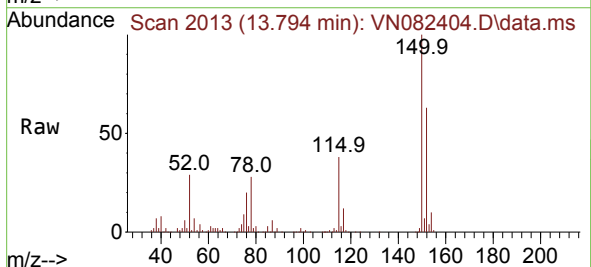
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

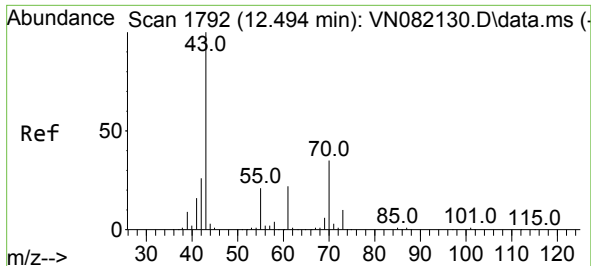
Tgt Ion:173 Resp: 581
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

Tgt Ion:152 Resp: 132968
Ion Ratio Lower Upper
152 100
115 59.7 30.4 91.3
150 155.7 0.0 353.2

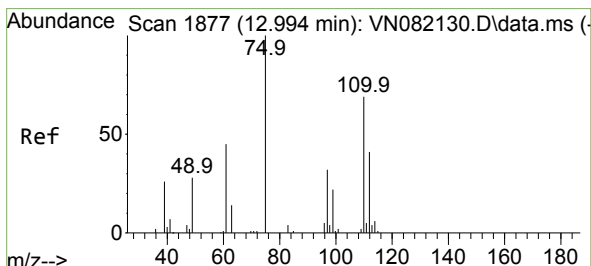
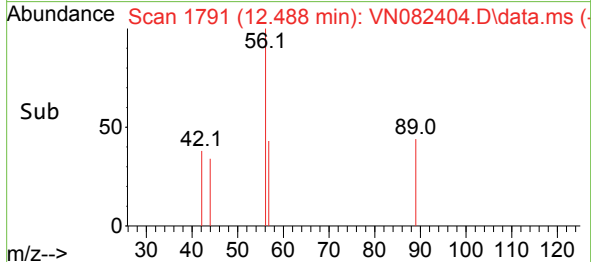
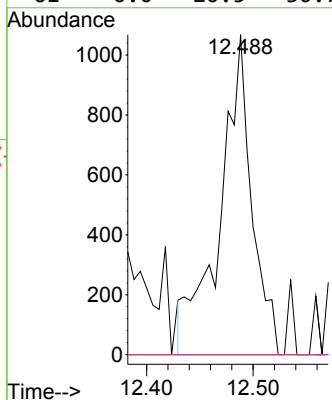
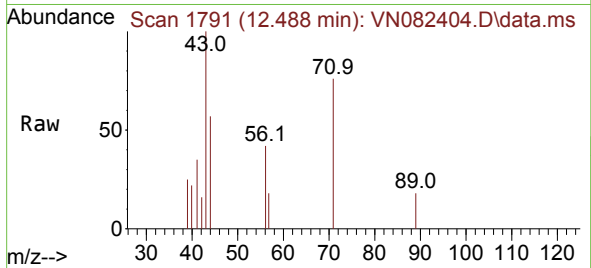




#74
N-amyl acetate
Concen: 0.382 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

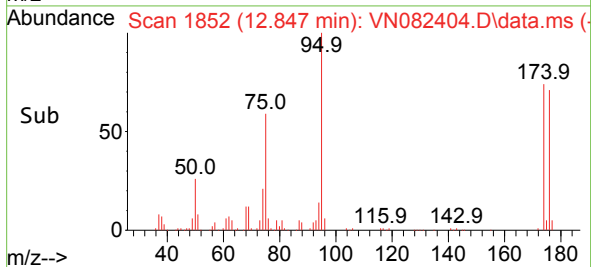
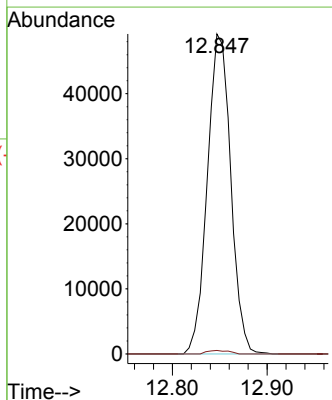
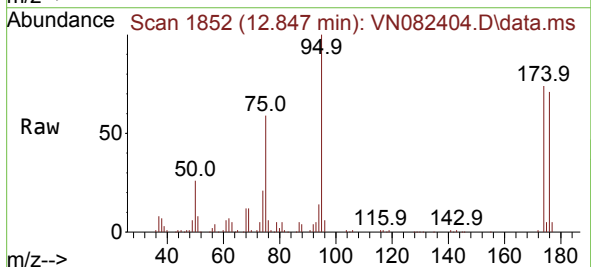
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#02

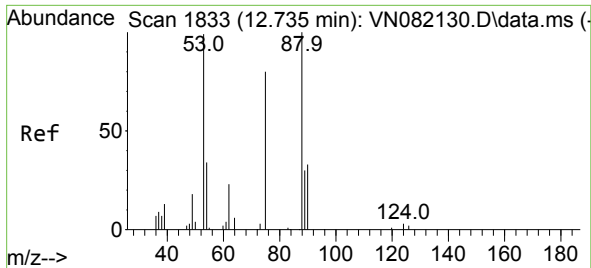
Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.3 31.9#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.155 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082404.D
Acq: 31 May 2024 13:33

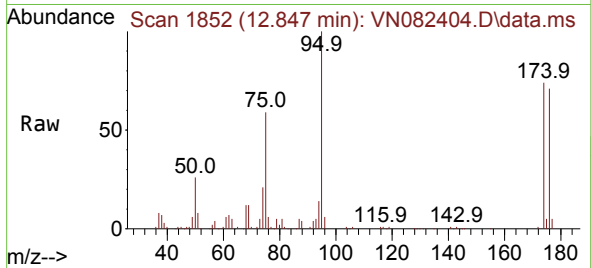
Tgt Ion: 75 Resp: 84394
Ion Ratio Lower Upper
75 100
77 1.0 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.532 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082404.D
 Acq: 31 May 2024 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#02



Tgt Ion: 75 Resp: 84394
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

