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 Data File : VN082409.D
 Acq On : 31 May 2024 15:34
 Operator : JC\MD
 Sample : PB161190ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#07

Quant Time: May 31 22:59:12 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

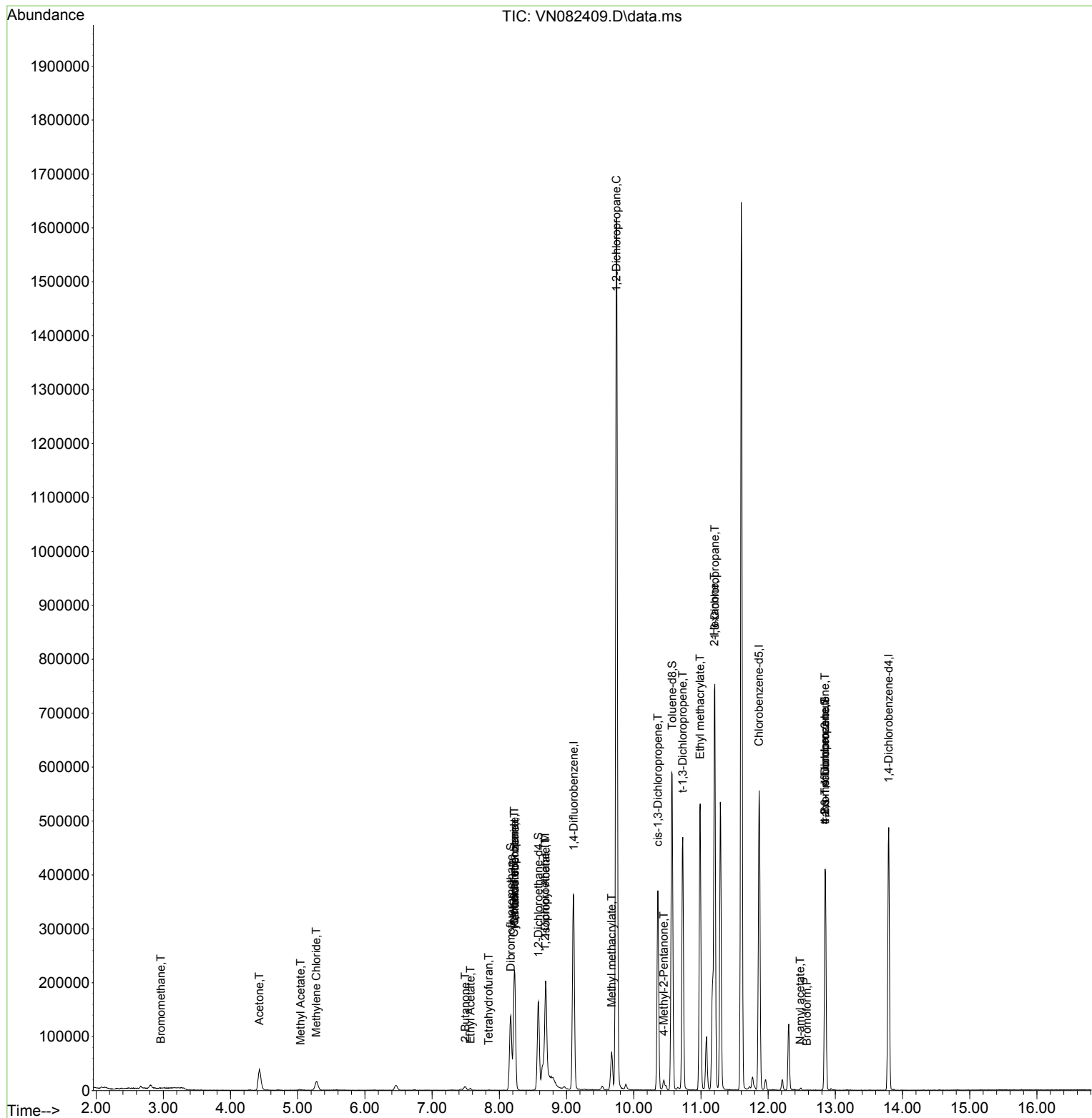
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

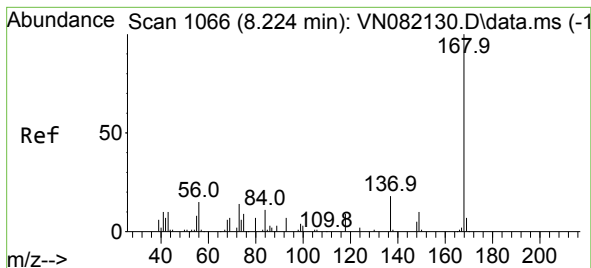
Internal Standards						
1) Pentafluorobenzene	8.230	168	156579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	290560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135051	54.623	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.240%			
35) Dibromofluoromethane	8.171	113	96566	54.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.060%			
50) Toluene-d8	10.571	98	386680	56.427	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.860%			
62) 4-Bromofluorobenzene	12.847	95	133155	54.440	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.880%			
Target Compounds						Qvalue
5) Bromomethane	2.965	94	394	0.285	ug/l #	3
16) Acetone	4.430	43	75354	74.297	ug/l	92
18) Methyl Acetate	5.042	43	3299	1.306	ug/l #	63
20) Methylene Chloride	5.277	84	12046	5.887	ug/l #	82
25) 2-Butanone	7.494	43	12467	8.107	ug/l #	82
29) Tetrahydrofuran	7.841	42	397	0.402	ug/l #	29
31) Cyclohexane	8.218	56	4517	1.144	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	14796	4.936	ug/l #	47
37) Ethyl Acetate	7.571	43	4623	1.378	ug/l #	90
38) Carbon Tetrachloride	8.224	117	17204	5.661	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1162	0.338	ug/l #	73
43) Isopropyl Acetate	8.688	43	290793	48.918	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1683	0.730	ug/l #	45
48) Methyl methacrylate	9.671	41	4973	1.756	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	18461	5.466	ug/l #	72
53) t-1,3-Dichloropropene	10.730	75	1150	0.348	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	56311	16.091	ug/l #	75
56) Ethyl methacrylate	10.988	69	1708	0.516	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7081	1.943	ug/l #	42
59) 2-Hexanone	11.200	43	114700	46.380	ug/l #	47
71) Bromoform	12.576	173	62	0.737	ug/l #	28
74) N-amyl acetate	12.476	43	2091	0.393	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	75562	29.515	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75562	69.034	ug/l #	12

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

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :

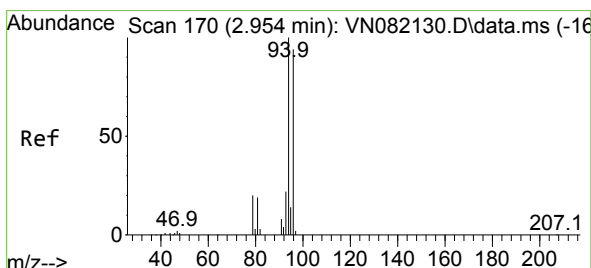
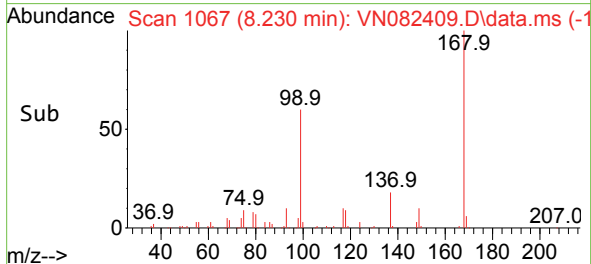
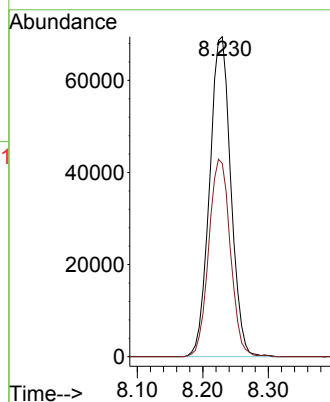
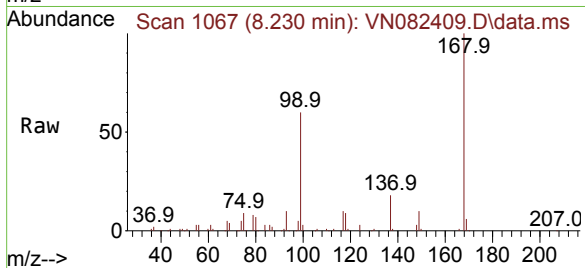
PB161190ZHE#07

Tgt Ion:168 Resp: 156579

Ion Ratio Lower Upper

168 100

99 60.4 48.2 72.4



#5

Bromomethane

Concen: 0.285 ug/l

RT: 2.965 min Scan# 172

Delta R.T. 0.012 min

Lab File: VN082409.D

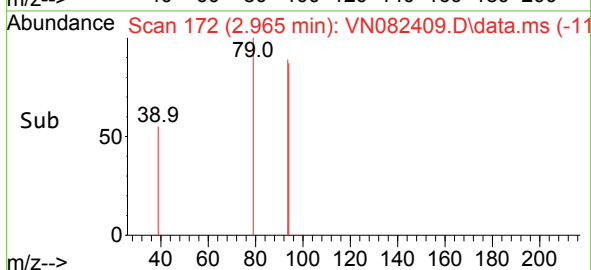
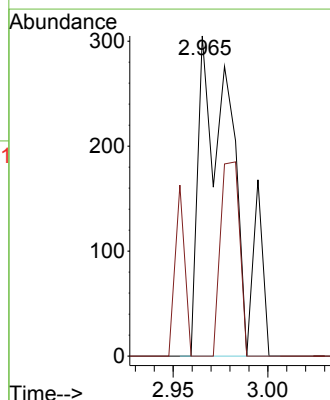
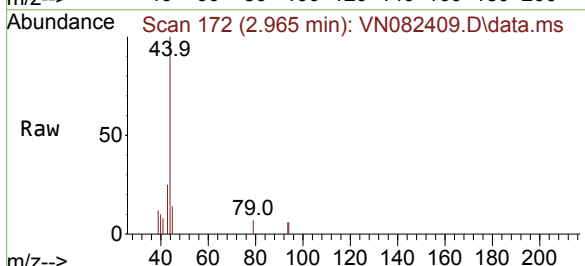
Acq: 31 May 2024 15:34

Tgt Ion: 94 Resp: 394

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#

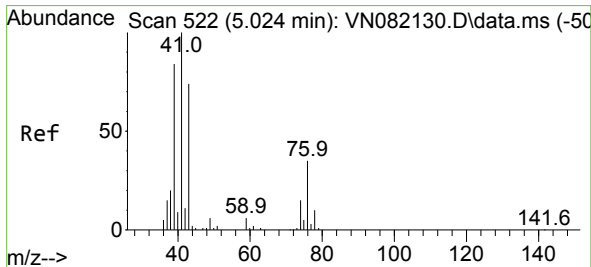
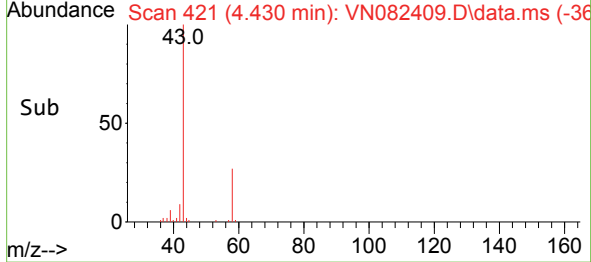
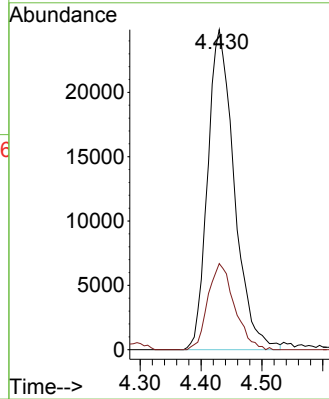
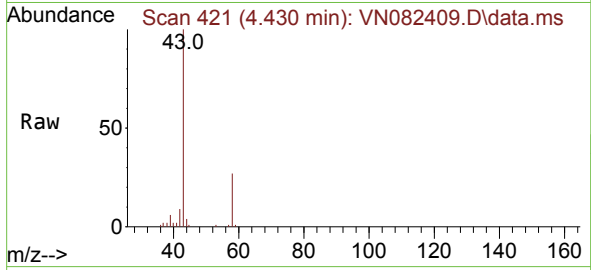




#16
Acetone
Concen: 74.297 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

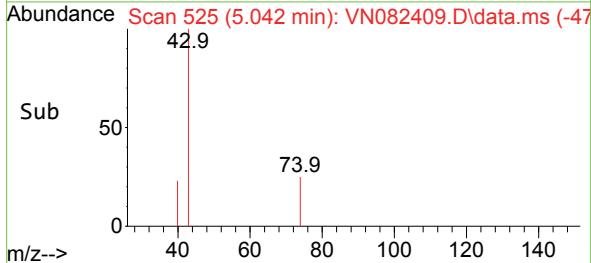
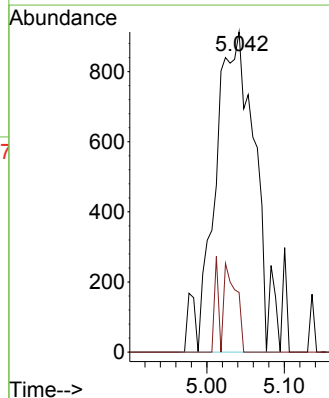
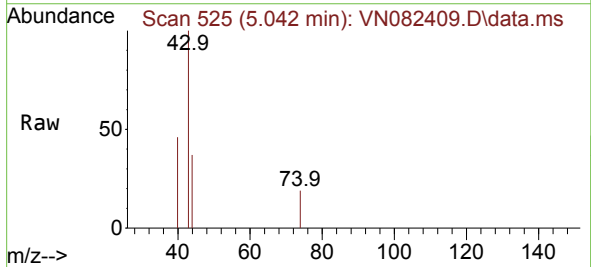
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

Tgt Ion: 43 Resp: 75354
Ion Ratio Lower Upper
43 100
58 26.9 25.2 37.8



#18
Methyl Acetate
Concen: 1.306 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Tgt Ion: 43 Resp: 3299
Ion Ratio Lower Upper
43 100
74 8.6 22.2 33.2#

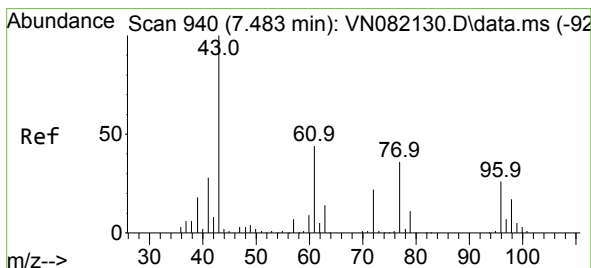
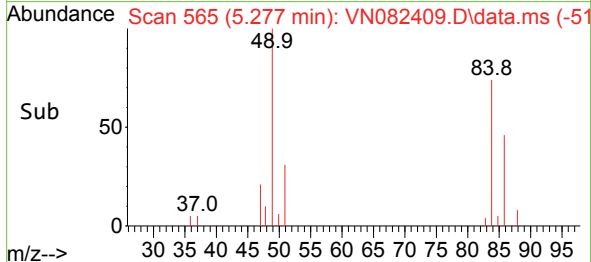
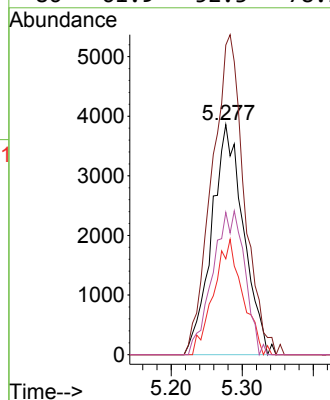
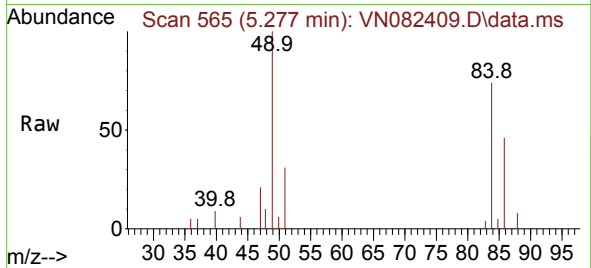




#20
Methylene Chloride
Concen: 5.887 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

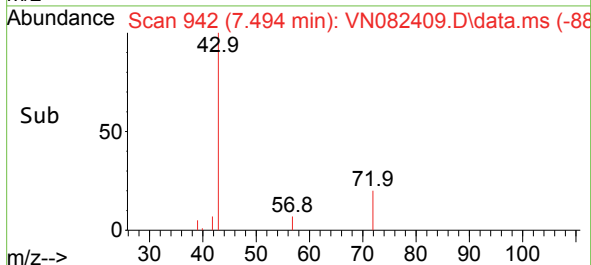
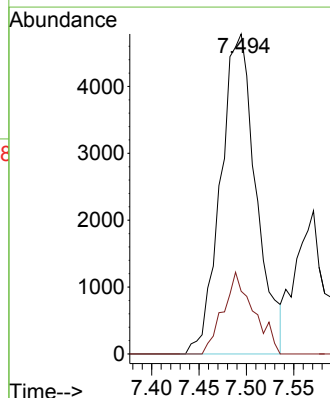
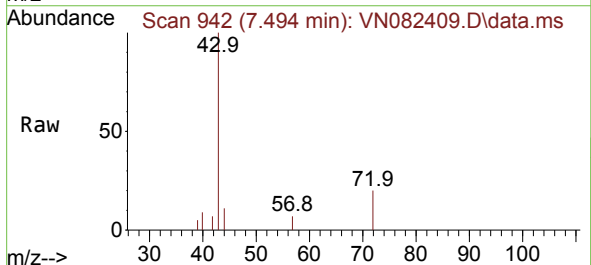
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

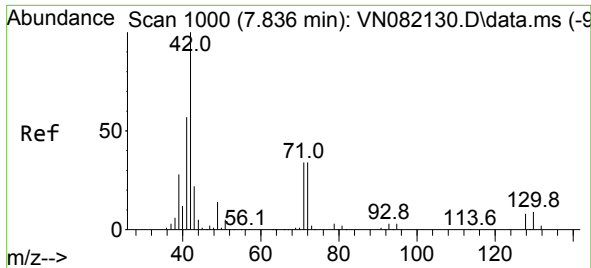
Tgt Ion:	84	Resp:	12046
Ion	Ratio	Lower	Upper
84	100		
49	134.6	84.9	127.3#
51	41.6	27.0	40.6#
86	61.9	52.3	78.5



#25
2-Butanone
Concen: 8.107 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

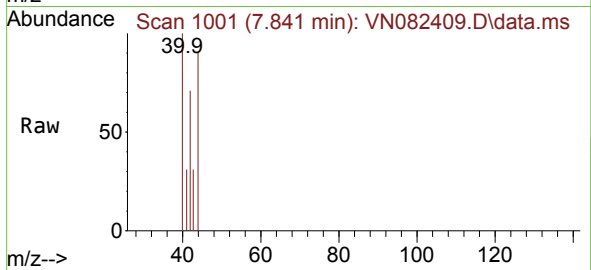
Tgt Ion:	43	Resp:	12467
Ion	Ratio	Lower	Upper
43	100		
72	21.5	25.3	37.9#



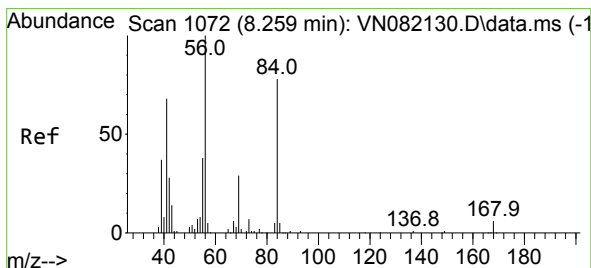
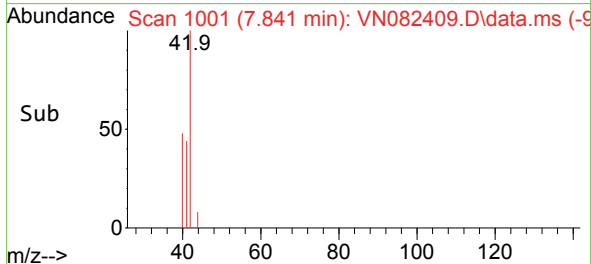
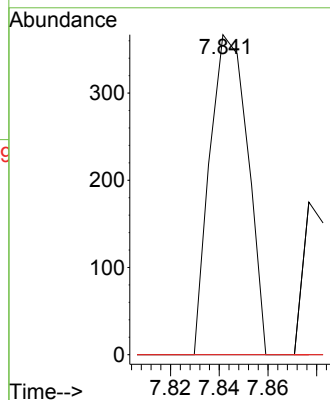


#29
Tetrahydrofuran
Concen: 0.402 ug/l
RT: 7.841 min Scan# 1065
Delta R.T. 0.005 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

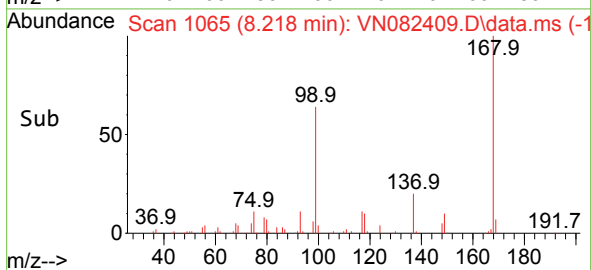
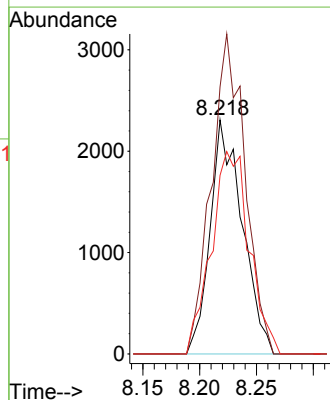
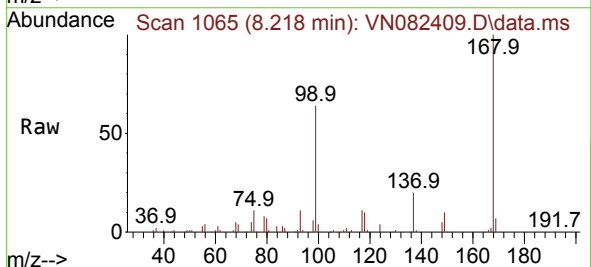


Tgt Ion: 42 Resp: 397
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Tgt Ion: 56 Resp: 4517
Ion Ratio Lower Upper
56 100
69 114.0 24.4 36.6#
84 76.2 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 54.623 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :

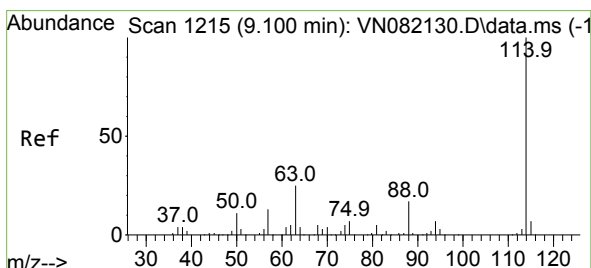
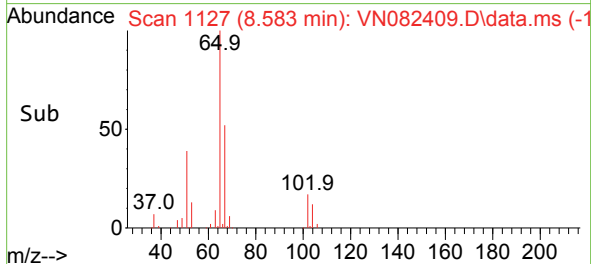
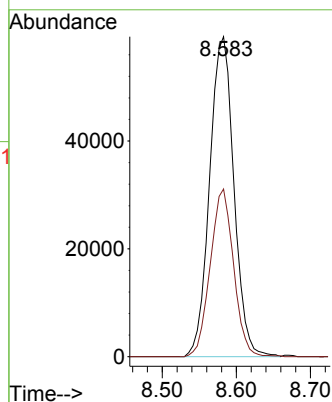
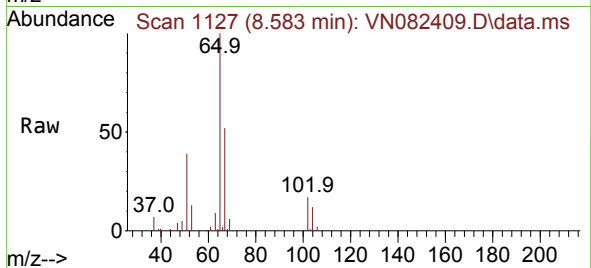
PB161190ZHE#07

Tgt Ion: 65 Resp: 135051

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

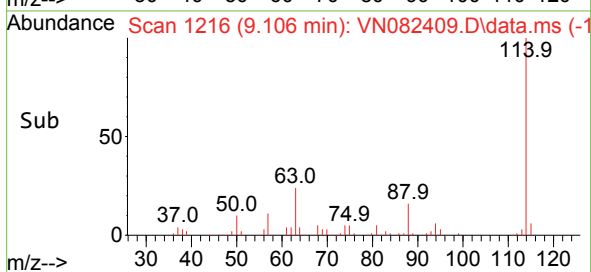
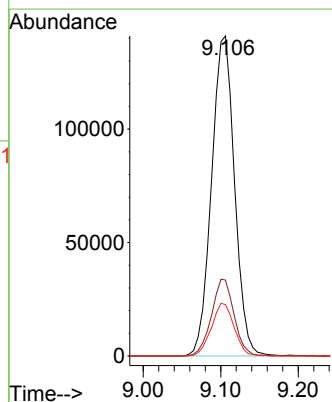
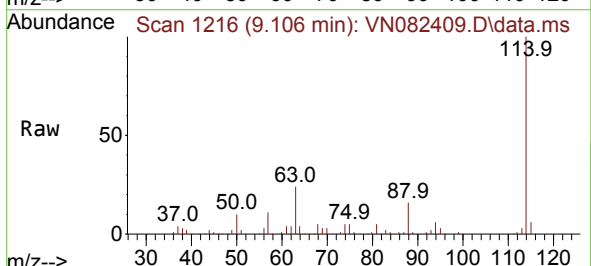
Tgt Ion: 114 Resp: 290560

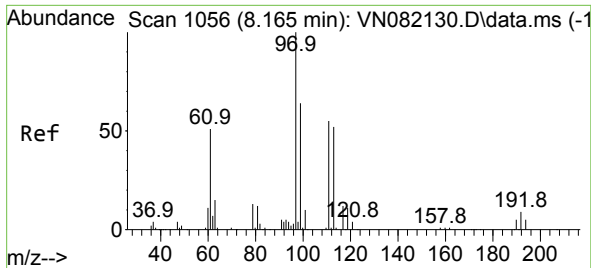
Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.0

88 16.1 0.0 31.4

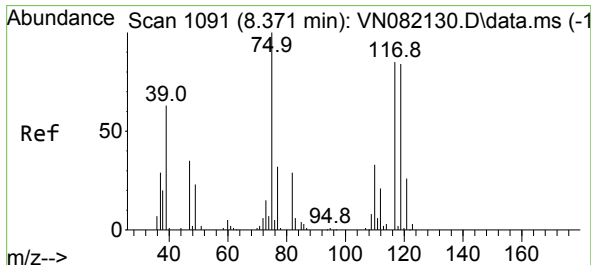
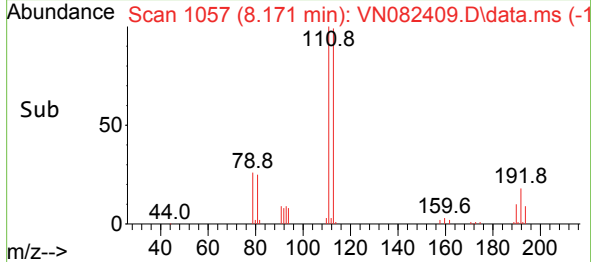
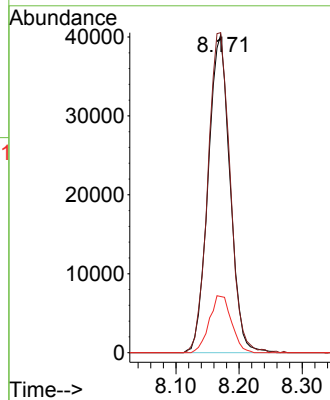
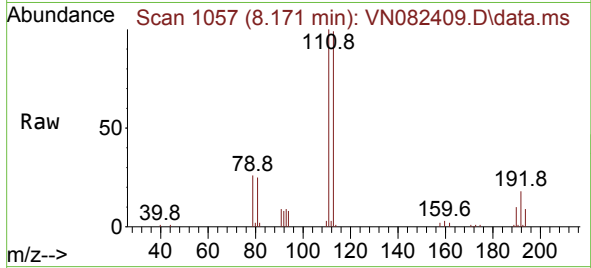




#35
Dibromofluoromethane
Concen: 54.026 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

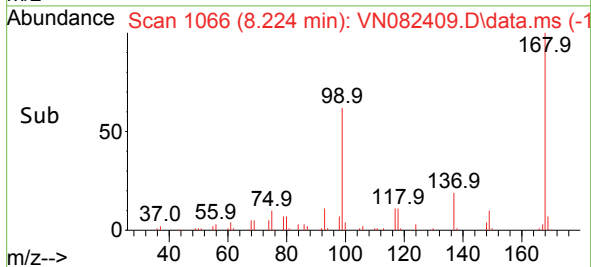
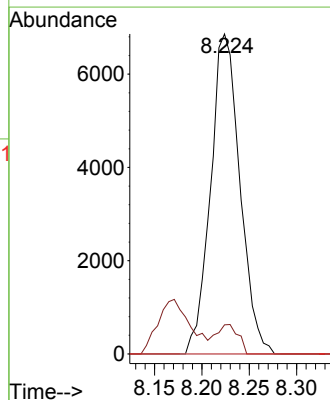
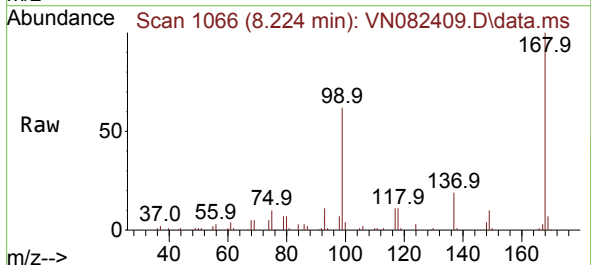
Instrument :
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PB161190ZHE#07

Tgt Ion:113 Resp: 96566
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.2
192 18.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Tgt Ion: 75 Resp: 14796
Ion Ratio Lower Upper
75 100
110 7.0 17.8 53.5#
77 0.0 25.0 37.4#

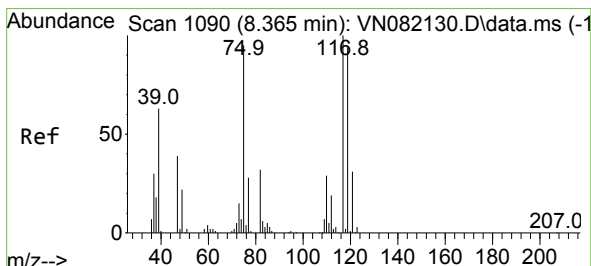
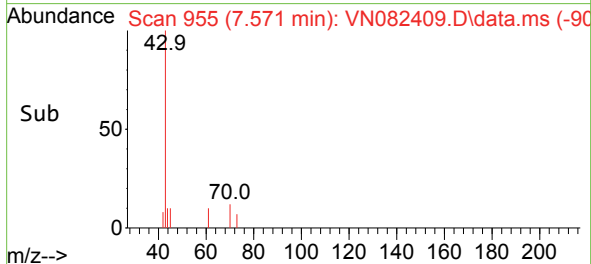
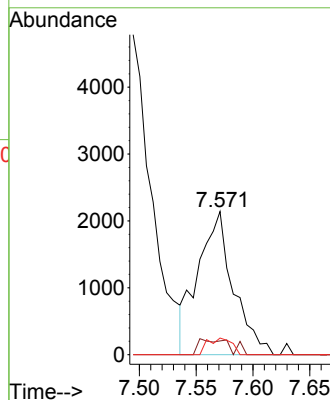
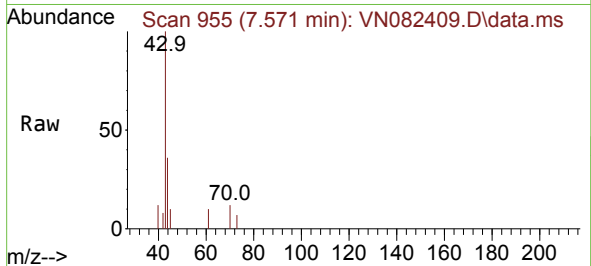




#37
Ethyl Acetate
Concen: 1.378 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

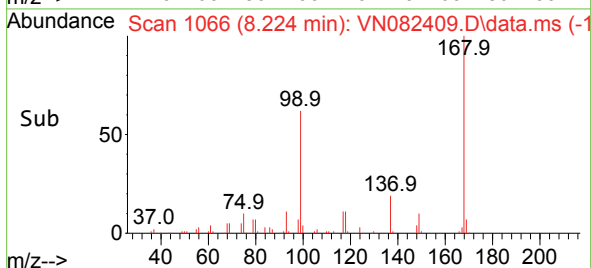
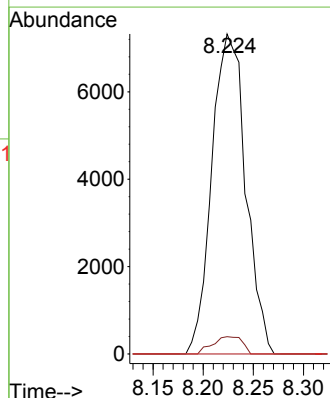
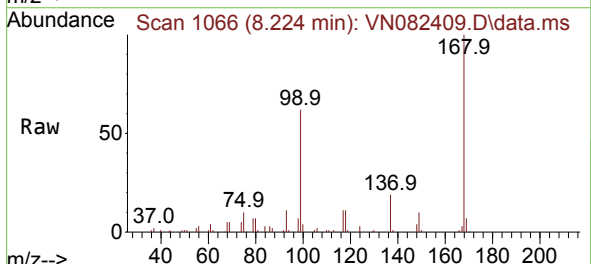
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

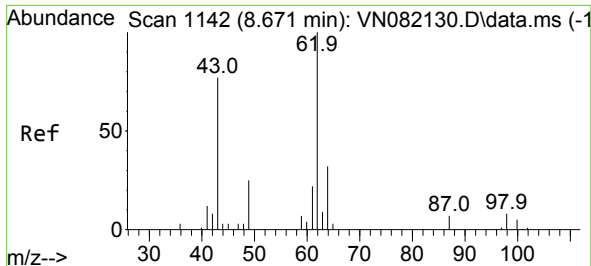
Tgt Ion: 43 Resp: 4623
Ion Ratio Lower Upper
43 100
61 9.6 11.3 16.9#
70 7.8 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Tgt Ion: 117 Resp: 17204
Ion Ratio Lower Upper
117 100
119 5.4 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.338 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :

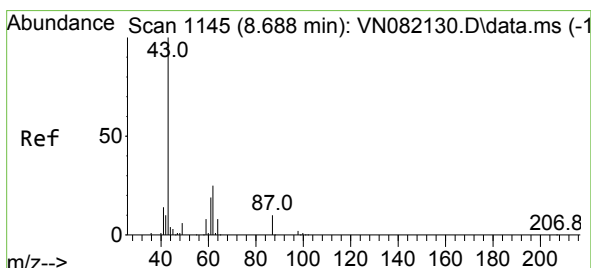
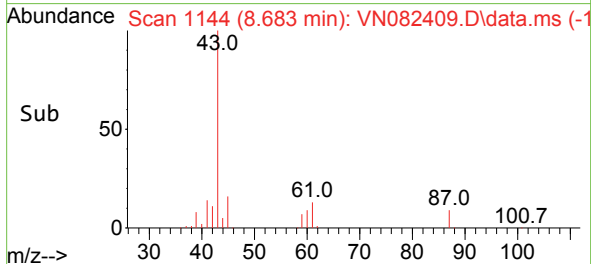
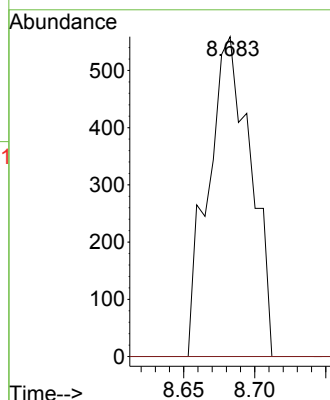
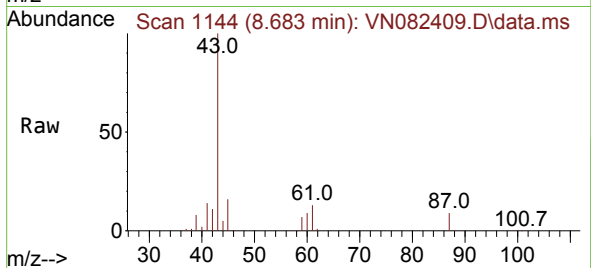
PB161190ZHE#07

Tgt Ion: 62 Resp: 1162

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 48.918 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

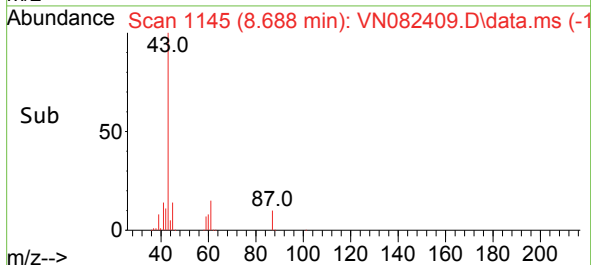
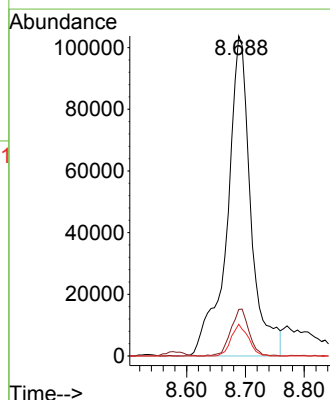
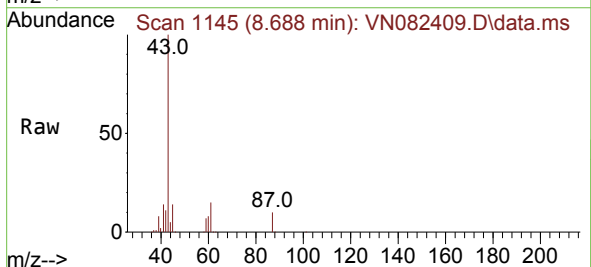
Tgt Ion: 43 Resp: 290793

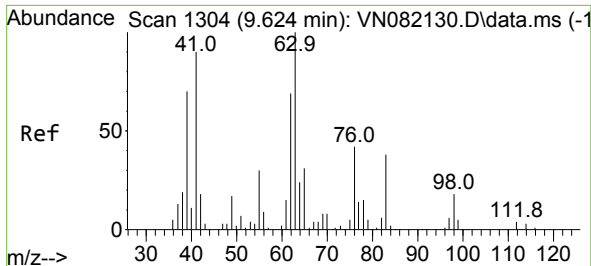
Ion Ratio Lower Upper

43 100

61 11.3 22.8 34.2#

87 7.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.730 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :

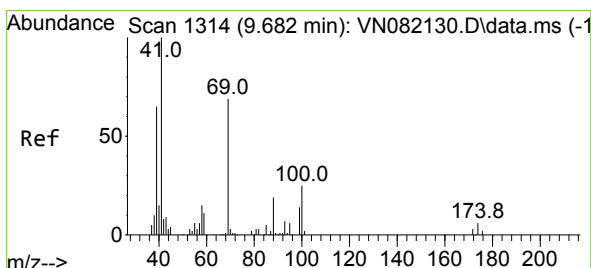
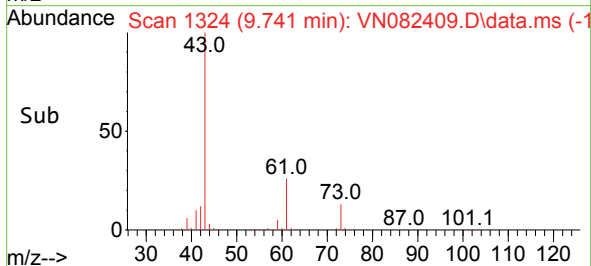
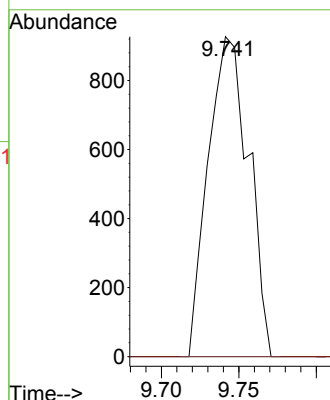
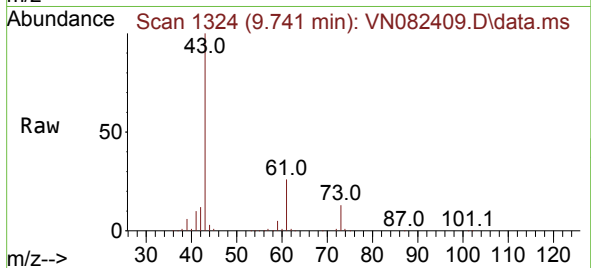
PB161190ZHE#07

Tgt Ion: 63 Resp: 1683

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.756 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

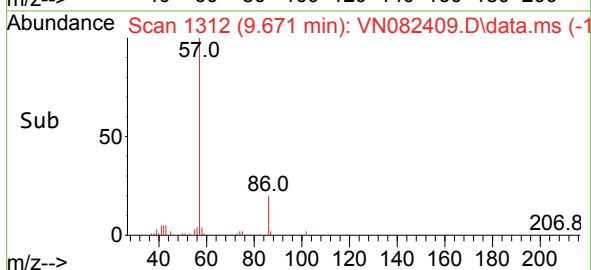
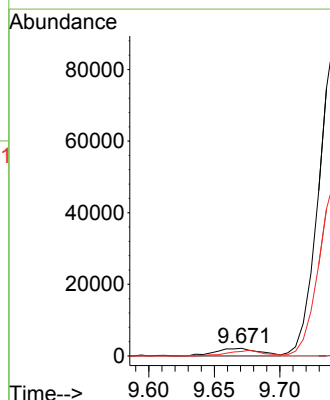
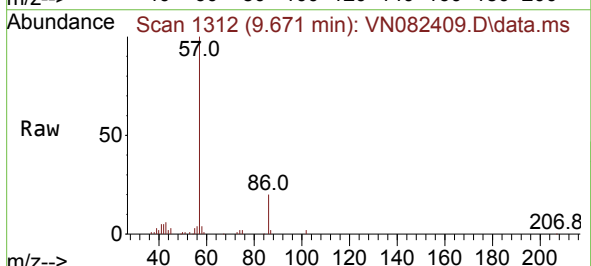
Tgt Ion: 41 Resp: 4973

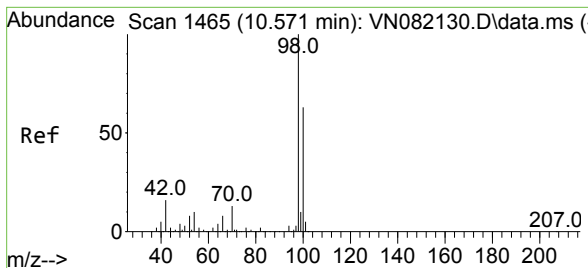
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 58.2 50.9 76.3

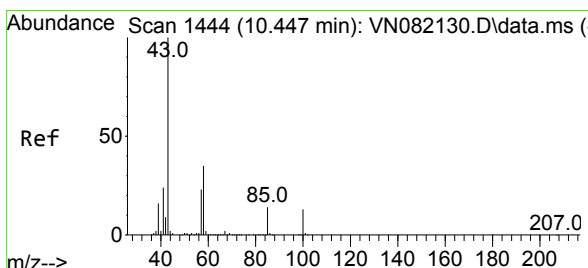
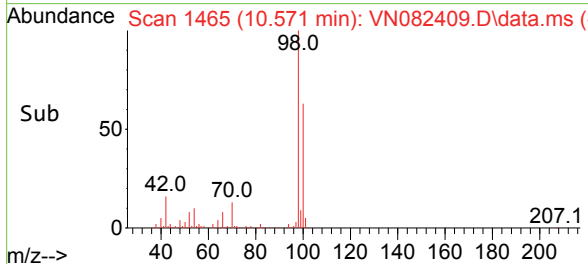
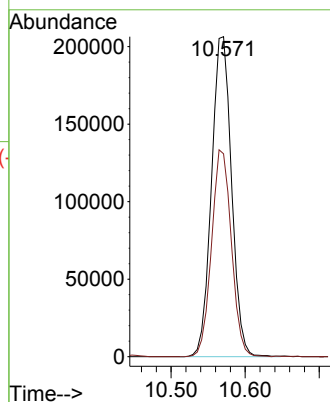
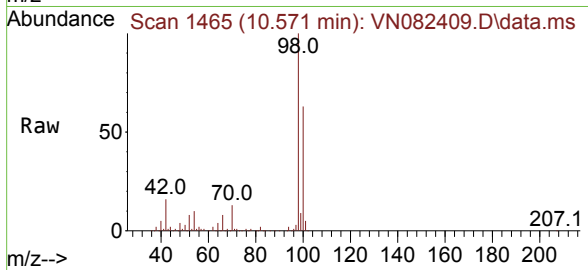




#50
Toluene-d8
Concen: 56.427 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

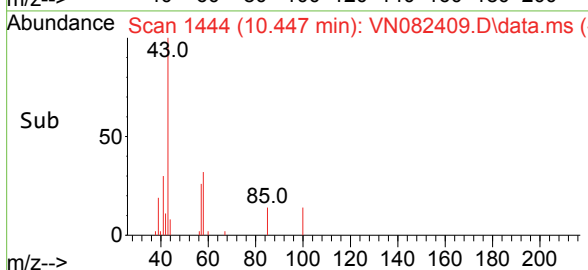
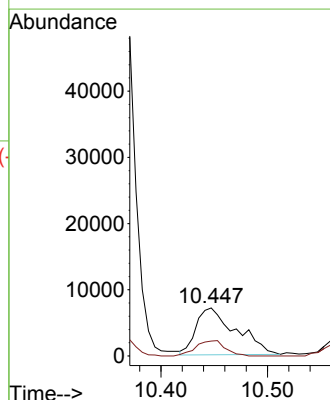
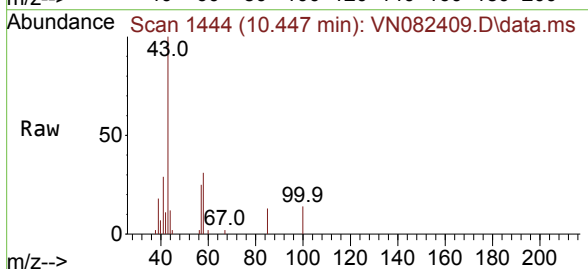
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

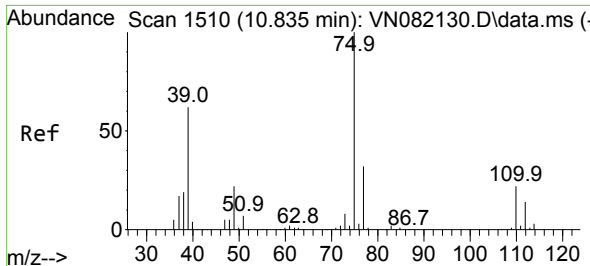
Tgt Ion: 98 Resp: 386680
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.466 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Tgt Ion: 43 Resp: 18461
Ion Ratio Lower Upper
43 100
58 24.1 33.2 49.8#

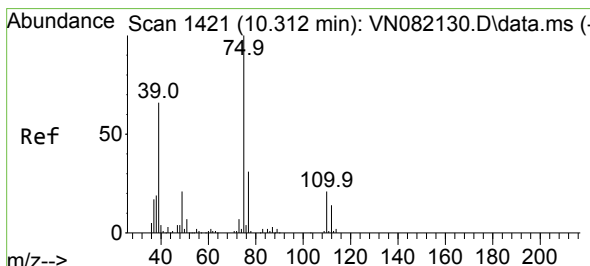
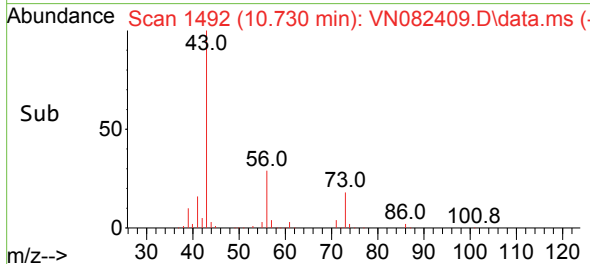
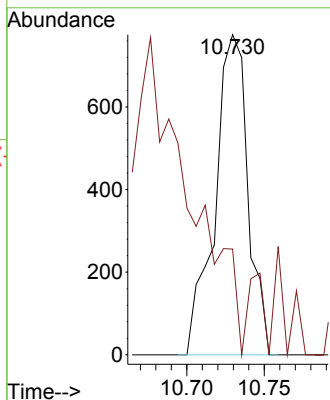
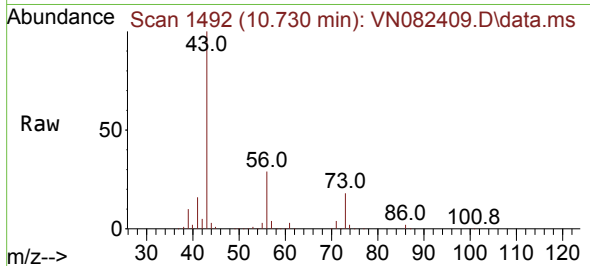




#53
 t-1,3-Dichloropropene
 Concen: 0.348 ug/l
 RT: 10.730 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082409.D
 Acq: 31 May 2024 15:34

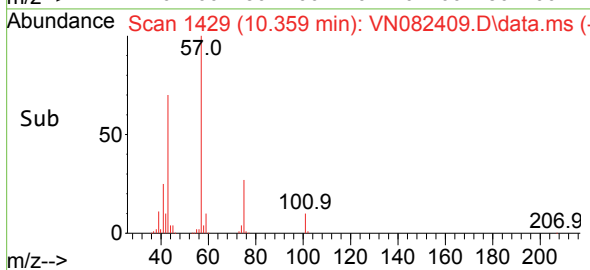
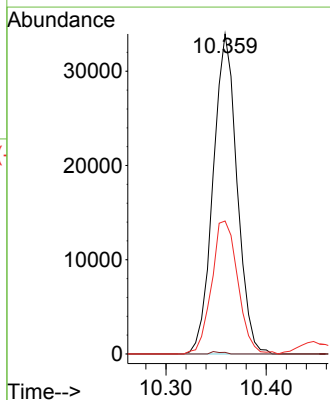
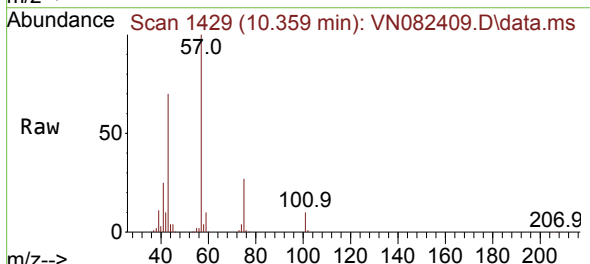
Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#07

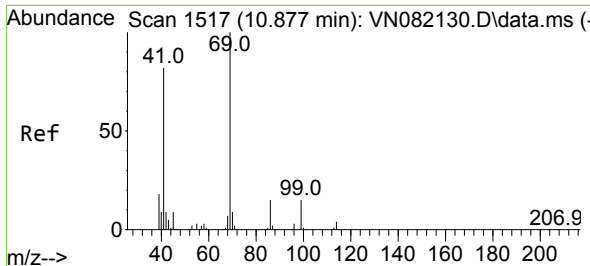
Tgt Ion: 75 Resp: 1150
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 16.091 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082409.D
 Acq: 31 May 2024 15:34

Tgt Ion: 75 Resp: 56311
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 41.6 34.8 52.2

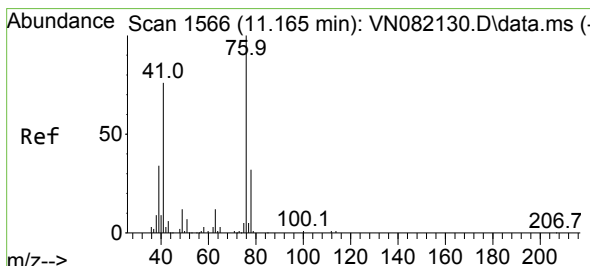
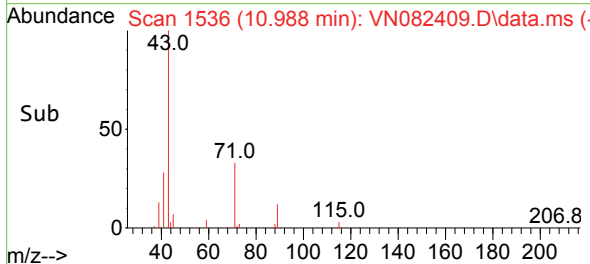
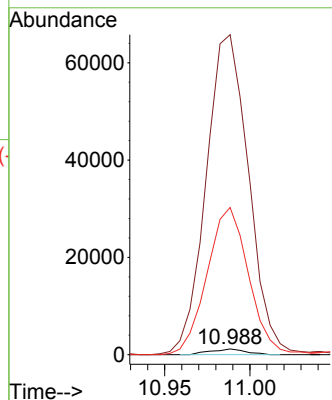
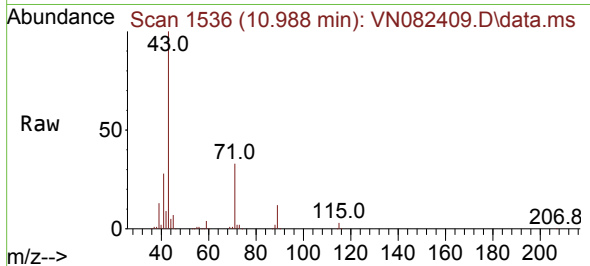




#56
Ethyl methacrylate
Concen: 0.516 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

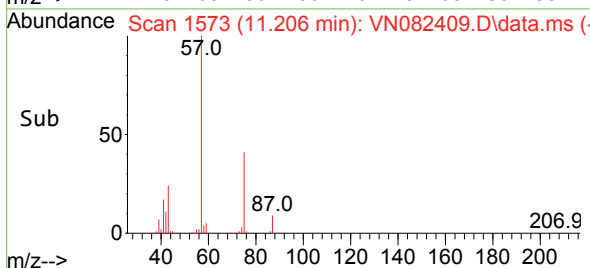
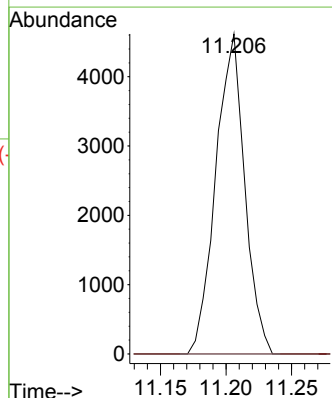
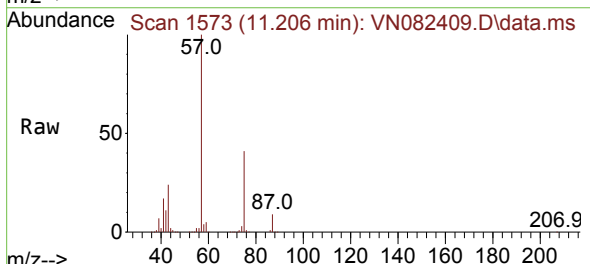
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

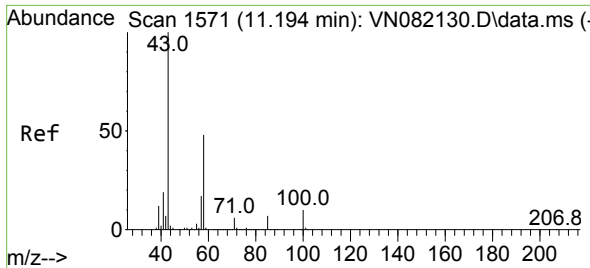
Tgt Ion: 69 Resp: 1708
Ion Ratio Lower Upper
69 100
41 6723.0 46.6 70.0#
39 3014.7 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.943 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Tgt Ion: 76 Resp: 7081
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

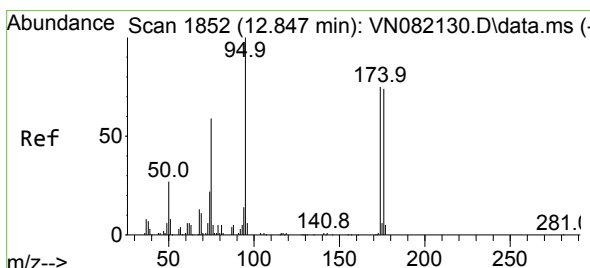
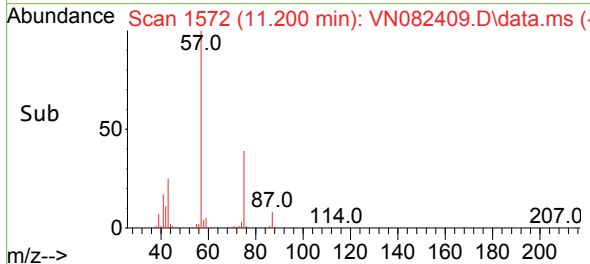
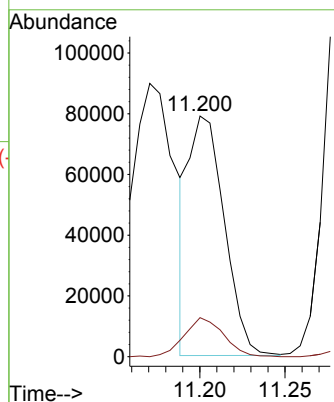
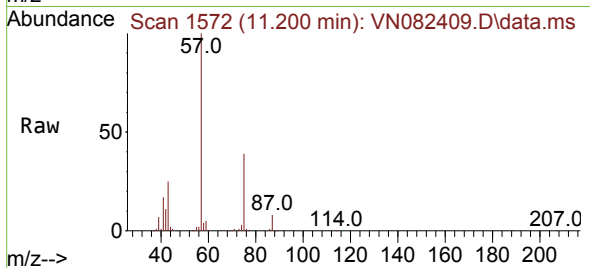




#59
2-Hexanone
Concen: 46.380 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

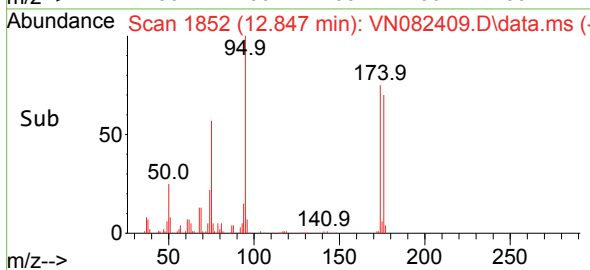
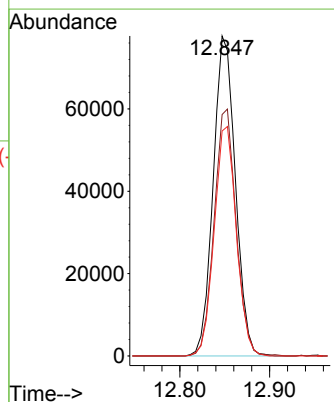
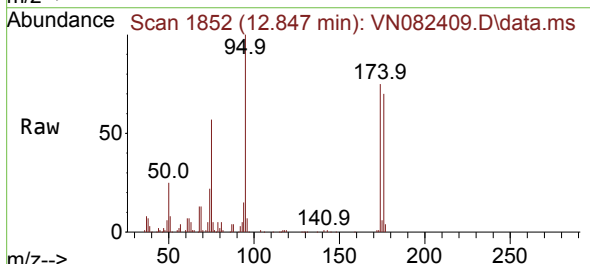
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

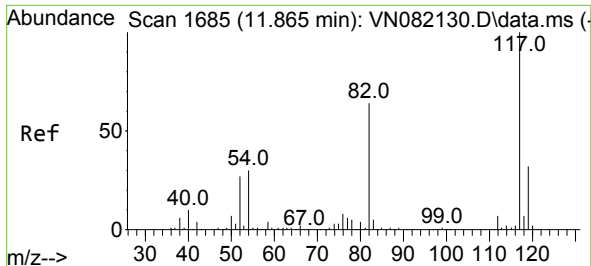
Tgt Ion: 43 Resp: 114700
Ion Ratio Lower Upper
43 100
58 18.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.440 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Tgt Ion: 95 Resp: 133155
Ion Ratio Lower Upper
95 100
174 76.6 0.0 160.6
176 71.8 0.0 152.8

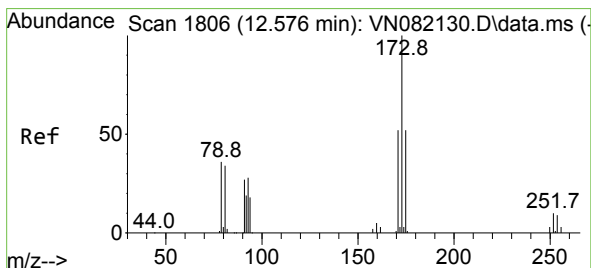
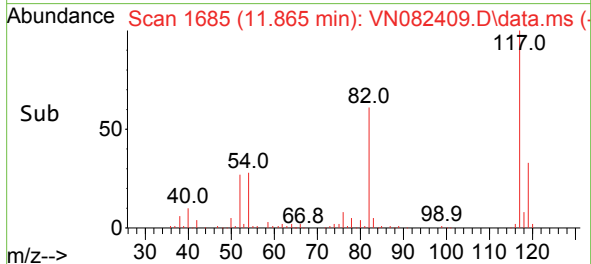
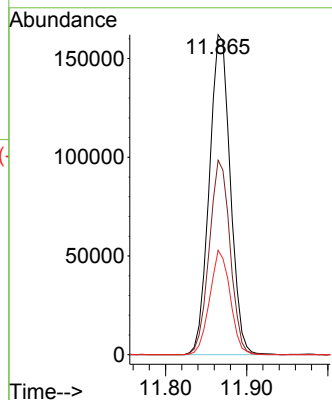
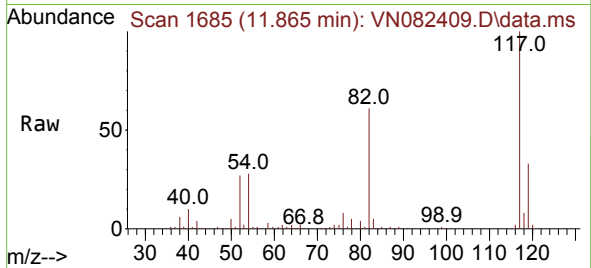




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

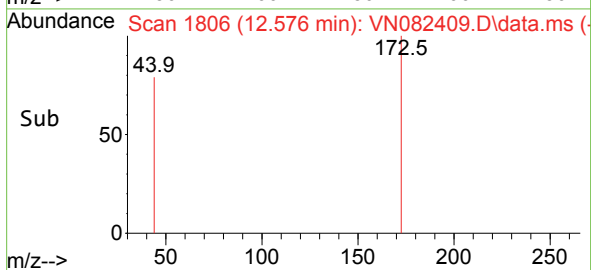
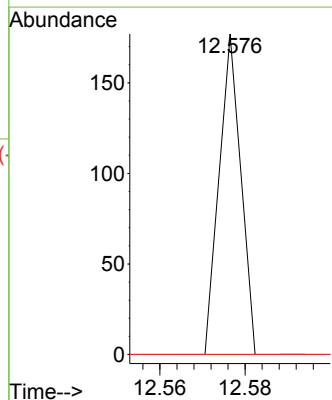
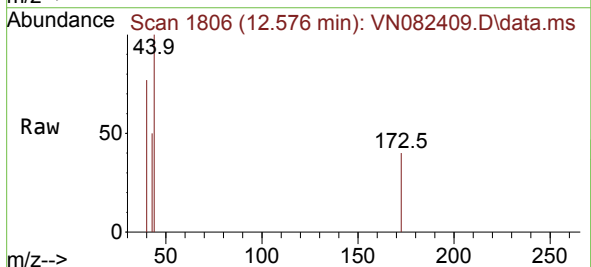
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

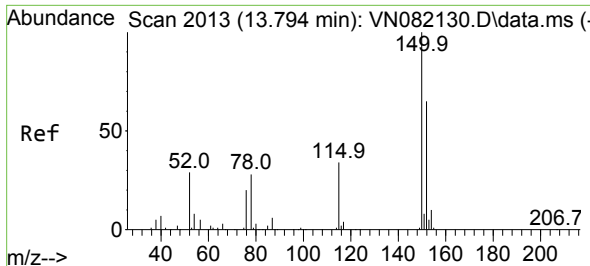
Tgt Ion:117 Resp: 291308
Ion Ratio Lower Upper
117 100
82 60.8 44.6 66.8
119 32.6 25.9 38.9



#71
Bromoform
Concen: 0.737 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

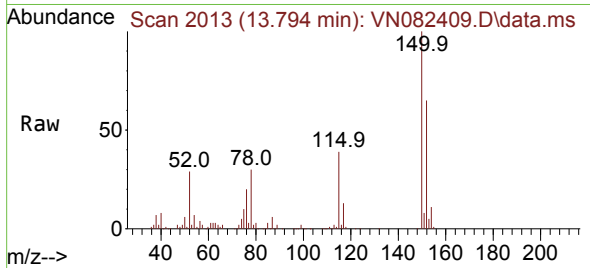
Tgt Ion:173 Resp: 62
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



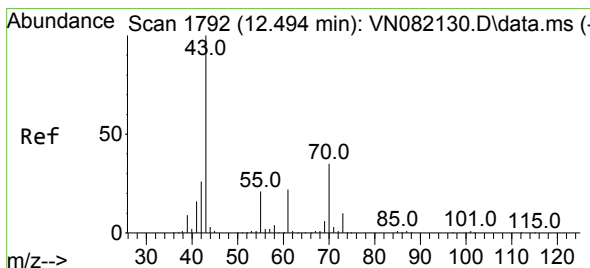
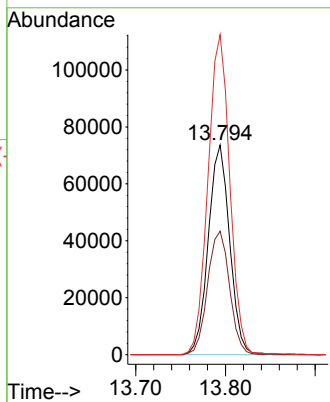
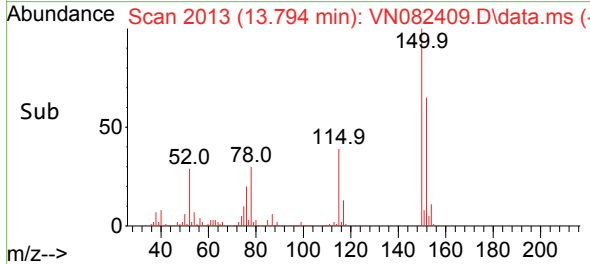


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#07

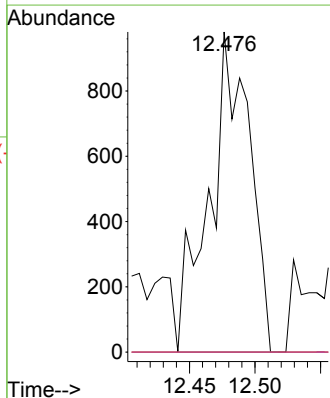
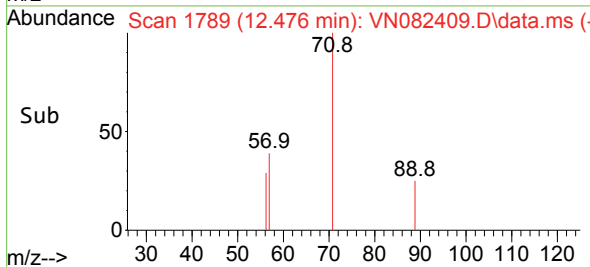
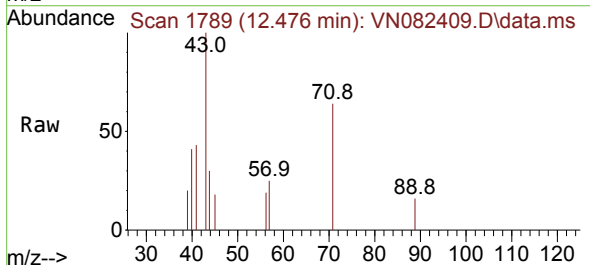


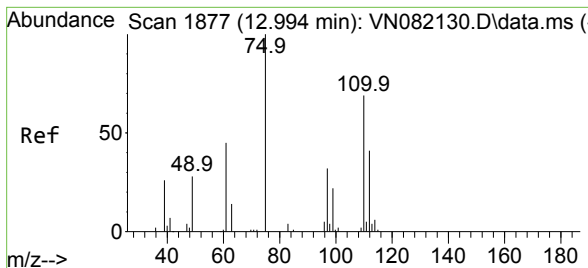
Tgt Ion:152 Resp: 121636
Ion Ratio Lower Upper
152 100
115 60.6 30.4 91.3
150 156.3 0.0 353.2



#74
N-ethyl acetate
Concen: 0.393 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN082409.D
Acq: 31 May 2024 15:34

Tgt Ion: 43 Resp: 2091
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: 29.515 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :

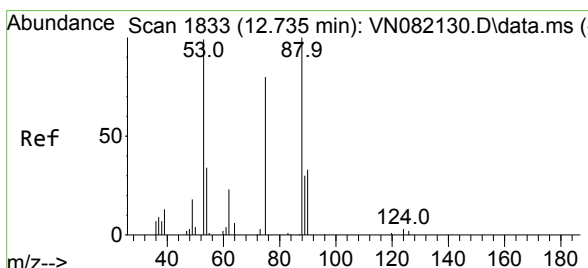
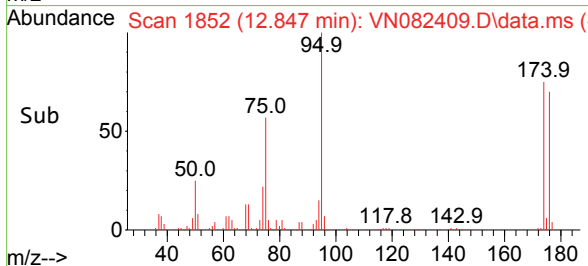
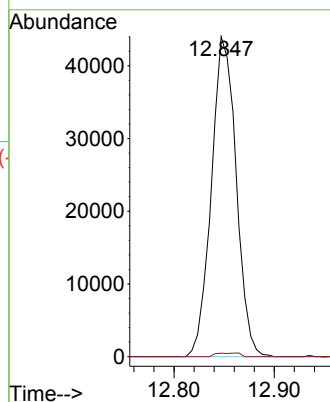
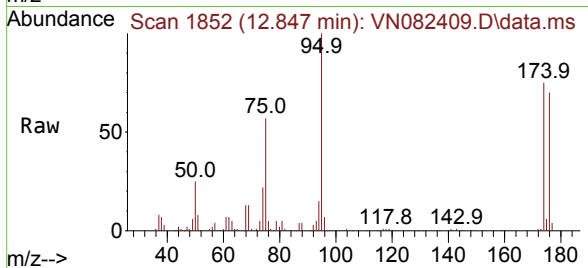
PB161190ZHE#07

Tgt Ion: 75 Resp: 75562

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.034 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082409.D

Acq: 31 May 2024 15:34

Tgt Ion: 75 Resp: 75562

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

