

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082406.D
 Acq On : 31 May 2024 14:22
 Operator : JC\MD
 Sample : PB161190ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#04

Quant Time: May 31 22:57:57 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)

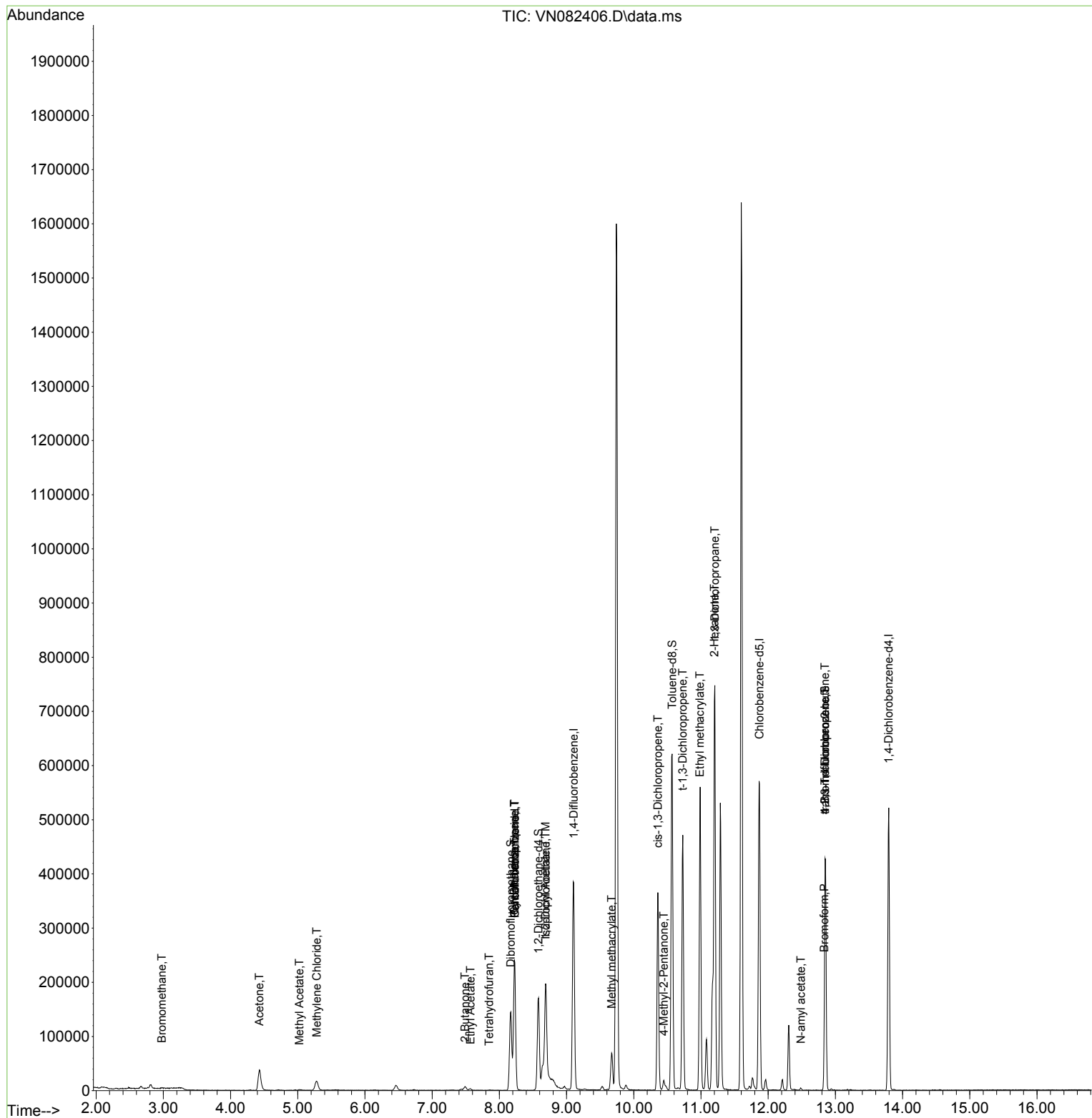
Internal Standards						
1) Pentafluorobenzene	8.230	168	165163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	301654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	140727	53.960	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.920%		
35) Dibromofluoromethane	8.171	113	100996	53.394	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.780%		
50) Toluene-d8	10.571	98	403860	55.690	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 111.380%		
62) 4-Bromofluorobenzene	12.847	95	139389	53.852	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 107.700%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	425	0.291	ug/l #	69
16) Acetone	4.430	43	73363	68.574	ug/l	96
18) Methyl Acetate	5.024	43	1425	0.535	ug/l #	82
20) Methylene Chloride	5.283	84	13045	6.044	ug/l #	83
25) 2-Butanone	7.488	43	12867	7.933	ug/l #	74
29) Tetrahydrofuran	7.847	42	476	0.457	ug/l #	29
31) Cyclohexane	8.224	56	4925	1.182	ug/l #	53
36) 1,1-Dichloropropene	8.224	75	15274	4.815	ug/l #	48
37) Ethyl Acetate	7.571	43	4268	1.202	ug/l #	82
38) Carbon Tetrachloride	8.230	117	17287	5.376	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1168	0.321	ug/l #	73
43) Isopropyl Acetate	8.688	43	313683	49.863	ug/l #	71
48) Methyl methacrylate	9.671	41	5289	1.764	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	18036	5.046	ug/l #	72
53) t-1,3-Dichloropropene	10.729	75	1014	0.290	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	57365	15.490	ug/l #	76
56) Ethyl methacrylate	10.982	69	1660	0.474	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7095	1.839	ug/l #	42
59) 2-Hexanone	11.200	43	116665	44.578	ug/l #	47
71) Bromoform	12.835	173	191	0.809	ug/l #	28
74) N-amyl acetate	12.488	43	1717	0.307	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	82253	30.544	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82253	71.441	ug/l #	12

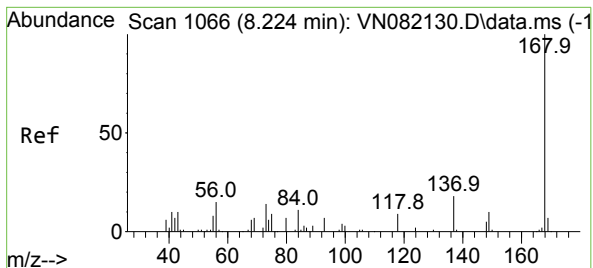
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

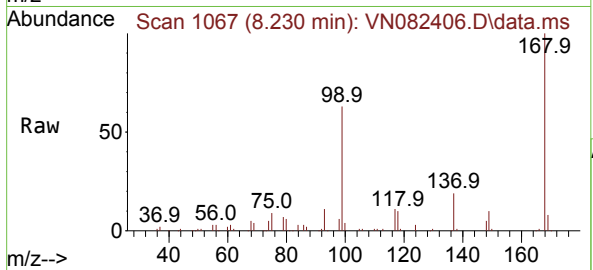
Quant Time: May 31 22:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



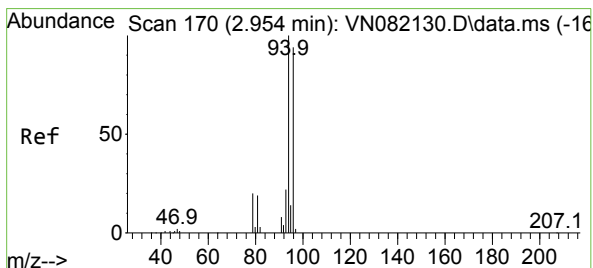
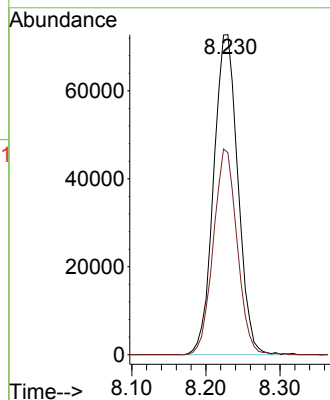
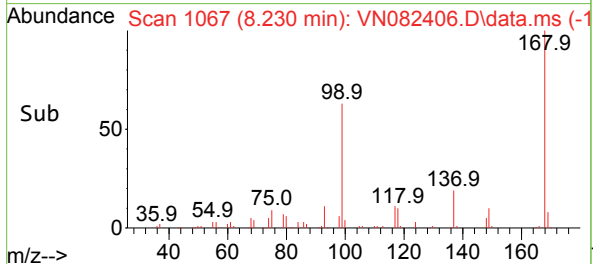


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

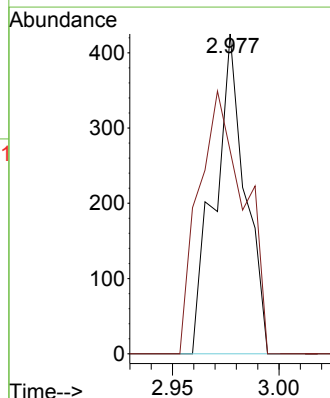
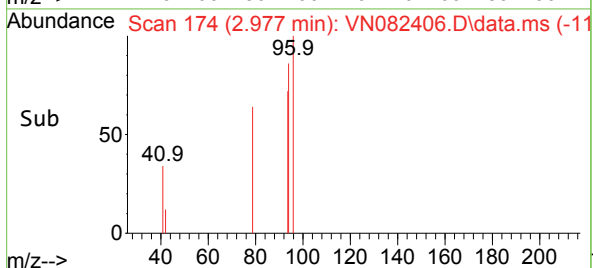
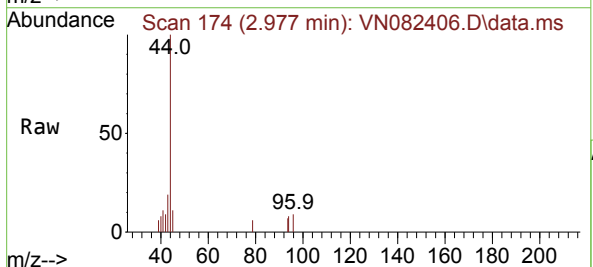


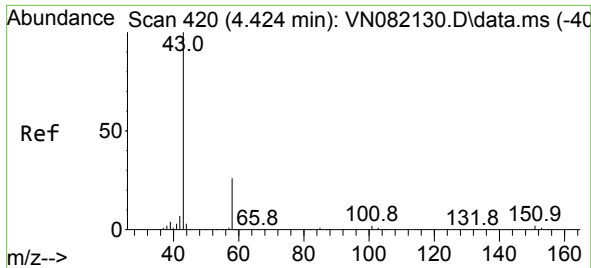
Tgt Ion:168 Resp: 165163
Ion Ratio Lower Upper
168 100
99 63.1 48.2 72.4



#5
Bromomethane
Concen: 0.291 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Tgt Ion: 94 Resp: 425
Ion Ratio Lower Upper
94 100
96 63.5 74.8 112.2#

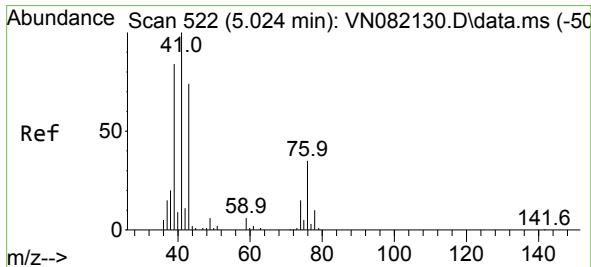
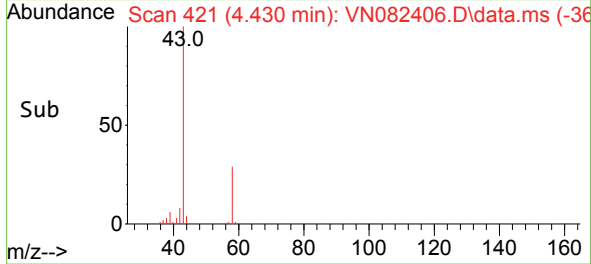
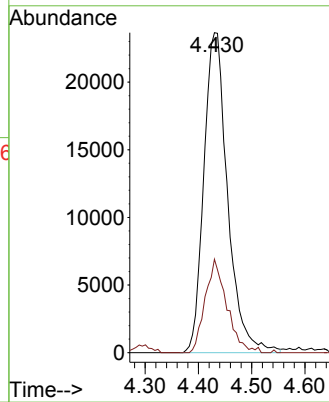
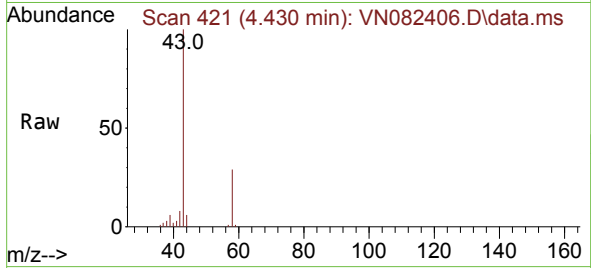




#16
Acetone
Concen: 68.574 ug/l
RT: 4.430 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

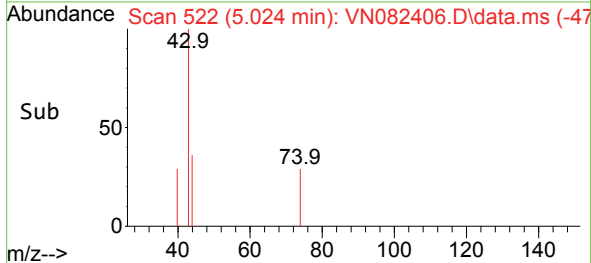
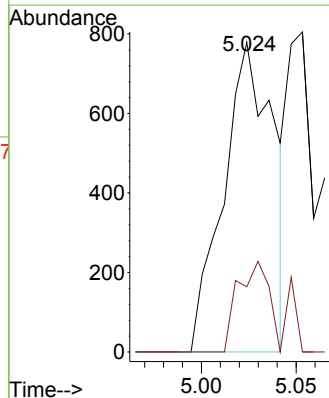
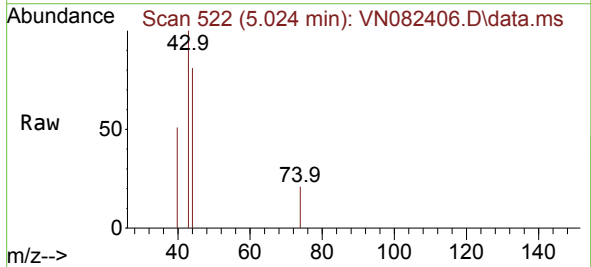
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

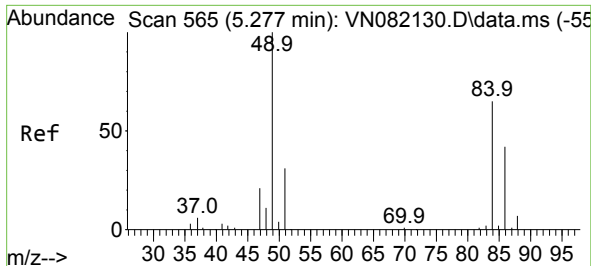
Tgt Ion: 43 Resp: 73363
Ion Ratio Lower Upper
43 100
58 29.2 25.2 37.8



#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
74 18.2 22.2 33.2#

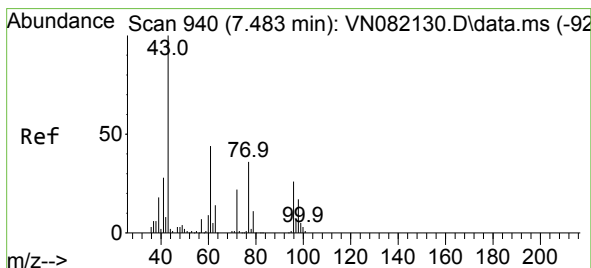
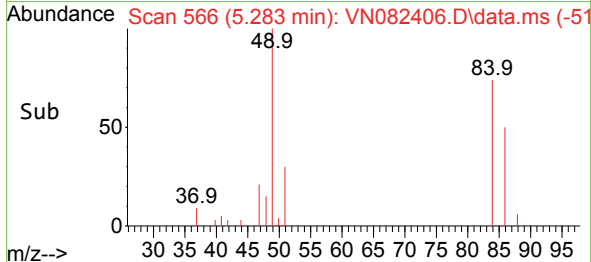
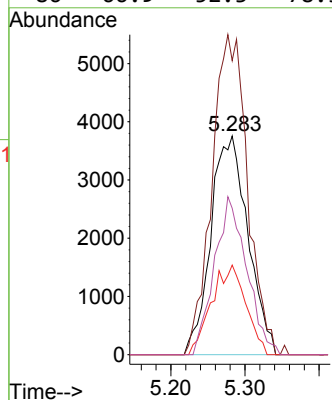
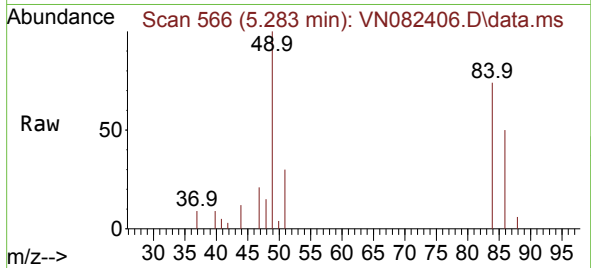




#20
Methylene Chloride
Concen: 6.044 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

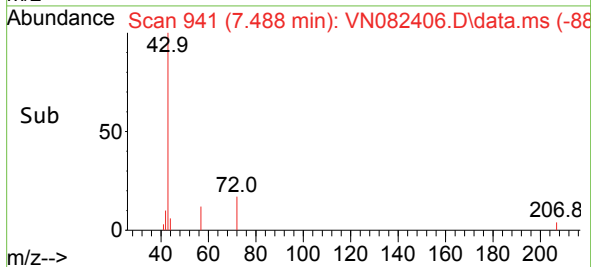
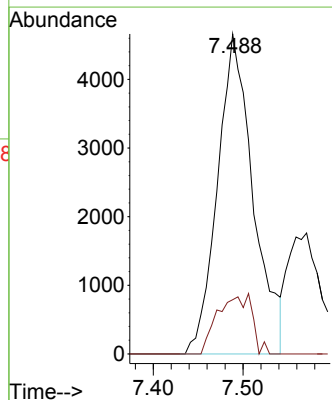
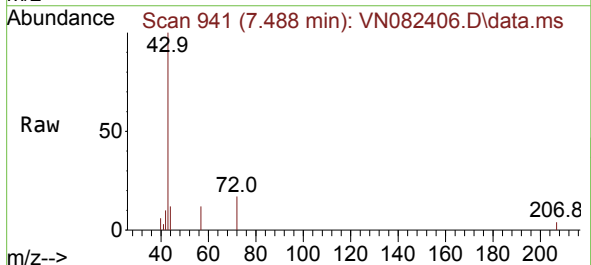
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

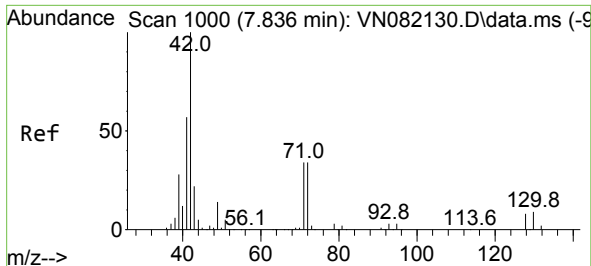
Tgt Ion:	84	Resp:	13045
Ion	Ratio	Lower	Upper
84	100		
49	134.4	84.9	127.3#
51	41.0	27.0	40.6#
86	66.9	52.3	78.5



#25
2-Butanone
Concen: 7.933 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Tgt Ion:	43	Resp:	12867
Ion	Ratio	Lower	Upper
43	100		
72	16.9	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.457 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.011 min

Lab File: VN082406.D

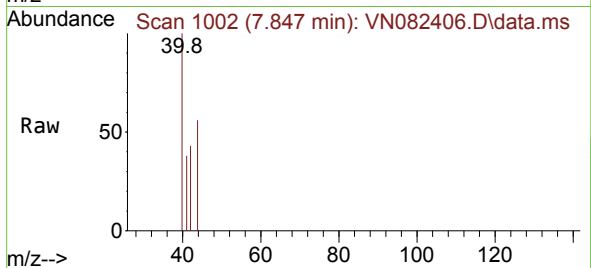
Acq: 31 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#04



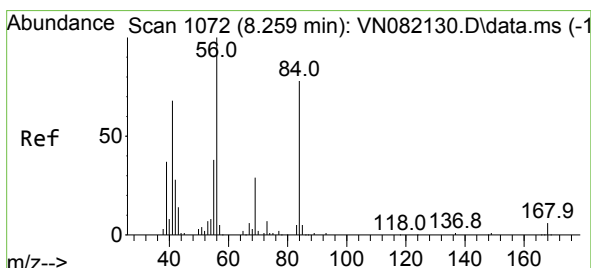
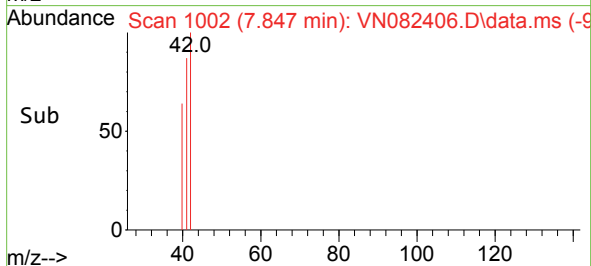
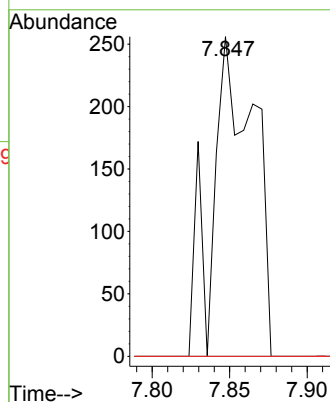
Tgt Ion: 42 Resp: 476

Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

71 0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.182 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082406.D

Acq: 31 May 2024 14:22

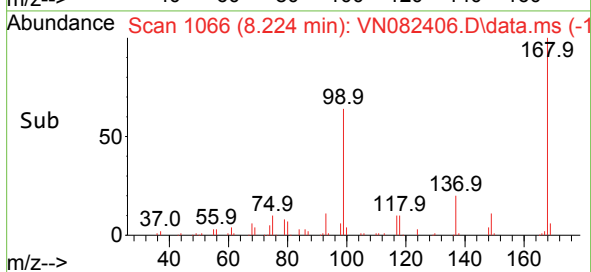
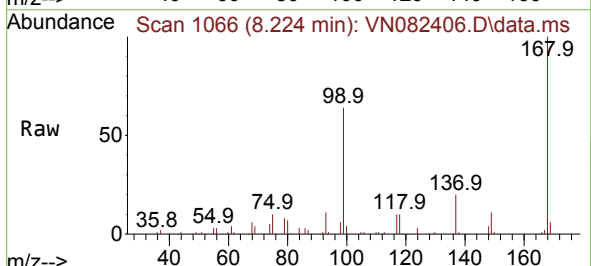
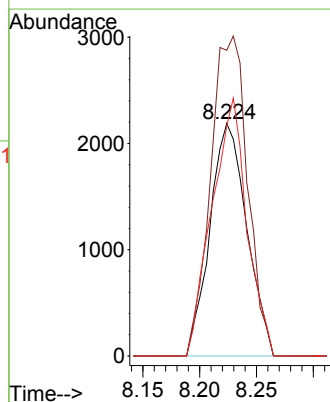
Tgt Ion: 56 Resp: 4925

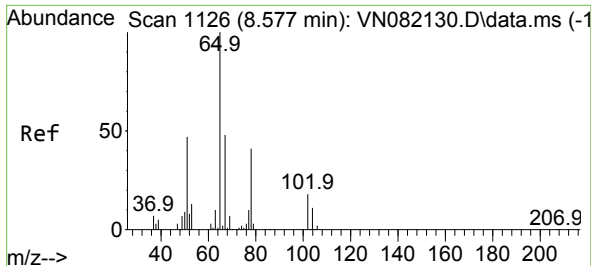
Ion Ratio Lower Upper

56 100

69 131.4 24.4 36.6#

84 98.9 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.960 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082406.D

Acq: 31 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

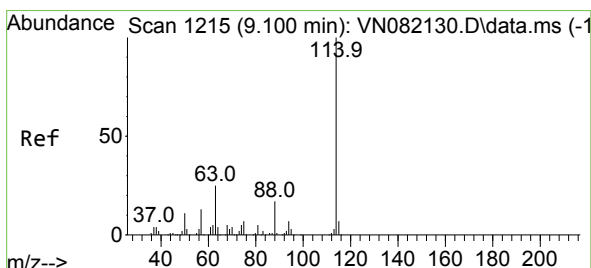
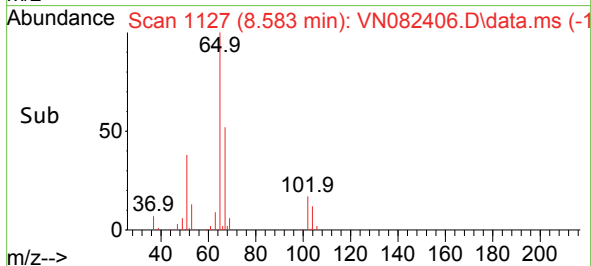
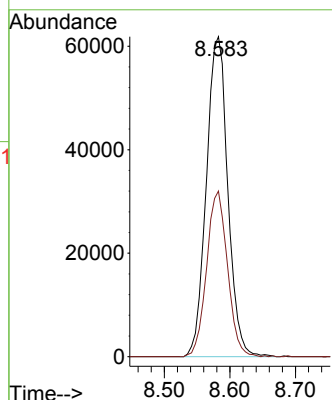
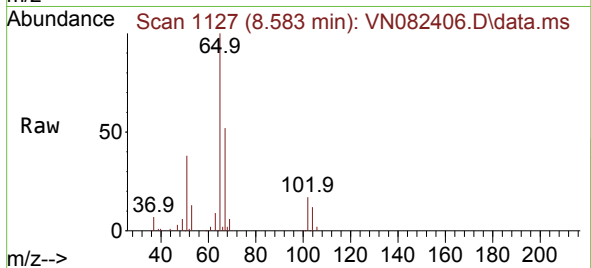
PB161190ZHE#04

Tgt Ion: 65 Resp: 140727

Ion Ratio Lower Upper

65 100

67 50.2 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: VN082406.D

Acq: 31 May 2024 14:22

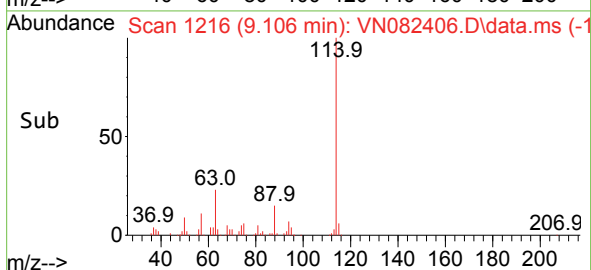
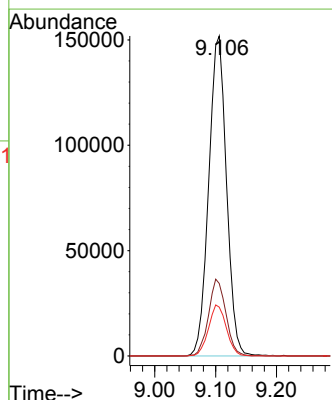
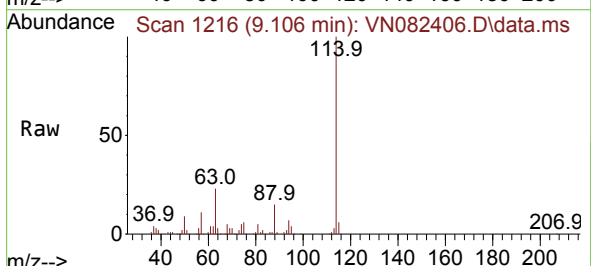
Tgt Ion: 114 Resp: 307488

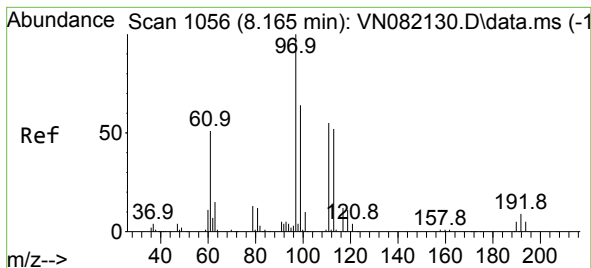
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.0

88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.394 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN082406.D

Acq: 31 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#04

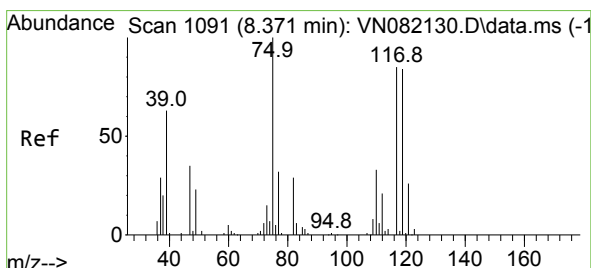
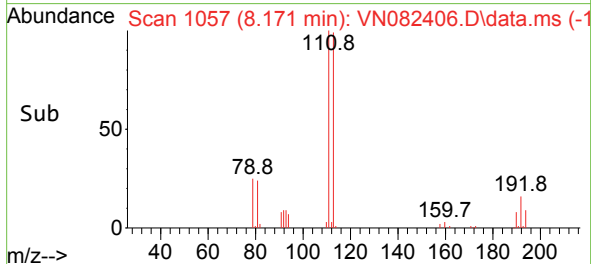
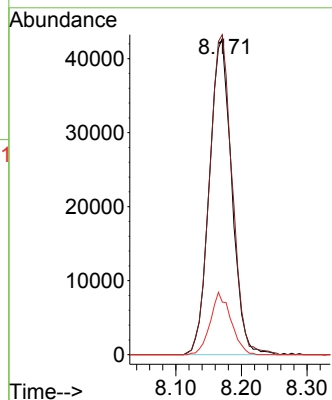
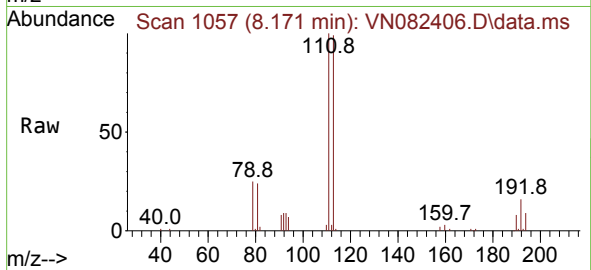
Tgt Ion:113 Resp: 100996

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

192 18.3 14.0 21.0



#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082406.D

Acq: 31 May 2024 14:22

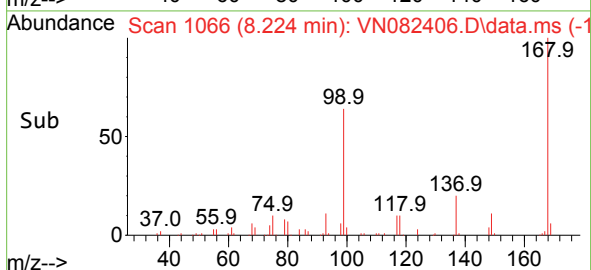
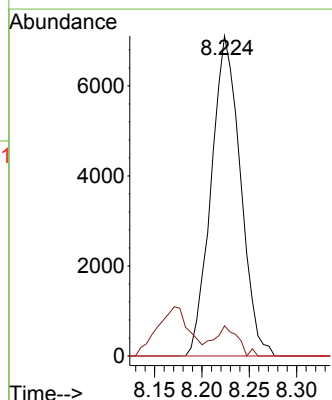
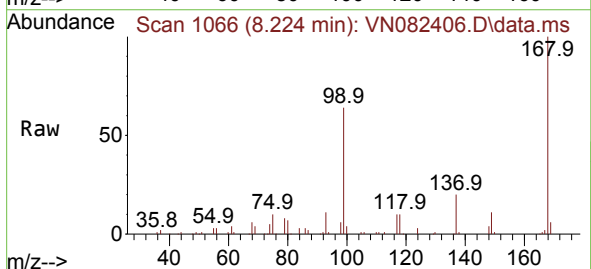
Tgt Ion: 75 Resp: 15274

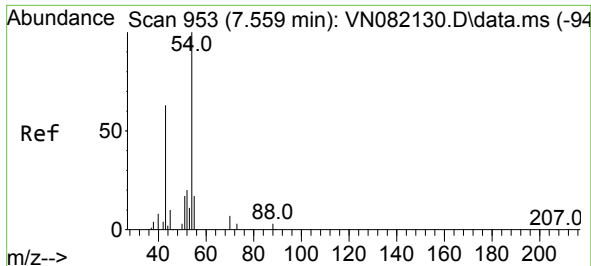
Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.5#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.202 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN082406.D

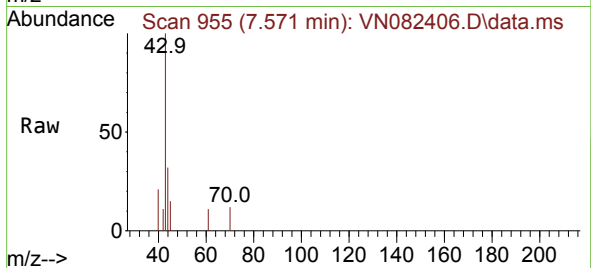
Acq: 31 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#04



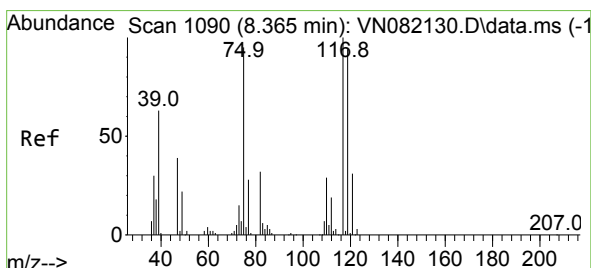
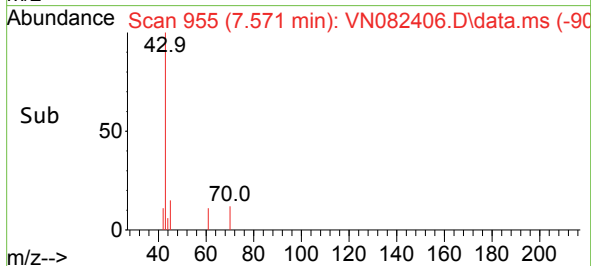
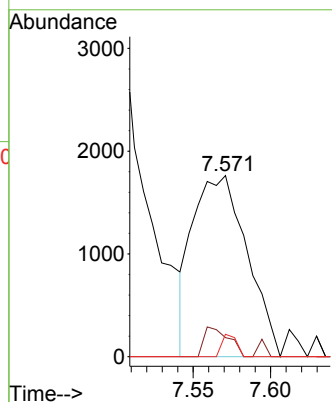
Tgt Ion: 43 Resp: 4268

Ion Ratio Lower Upper

43 100

61 7.5 11.3 16.9#

70 3.4 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.376 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082406.D

Acq: 31 May 2024 14:22

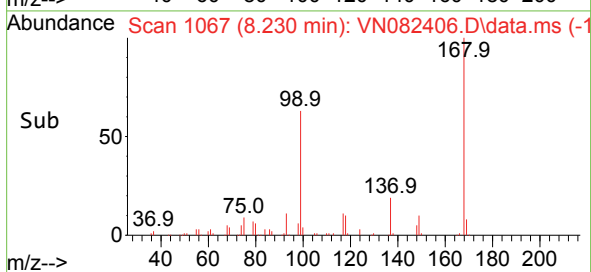
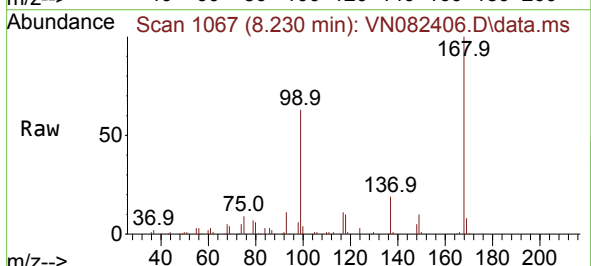
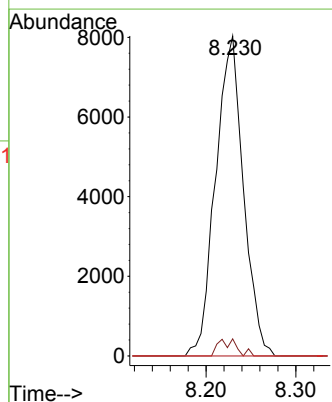
Tgt Ion: 117 Resp: 17287

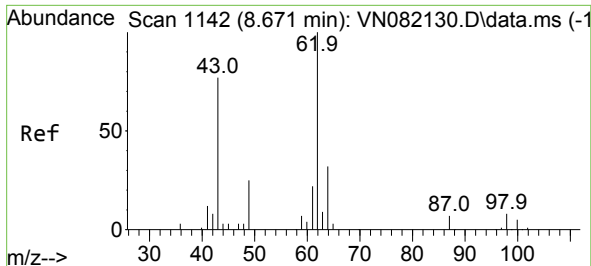
Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.321 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082406.D

Acq: 31 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

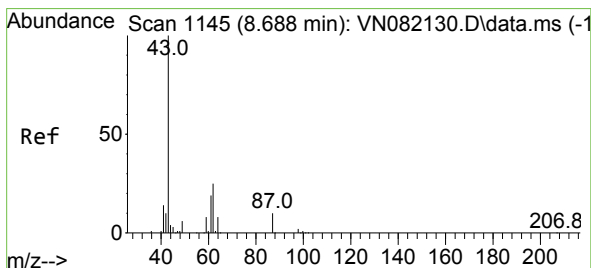
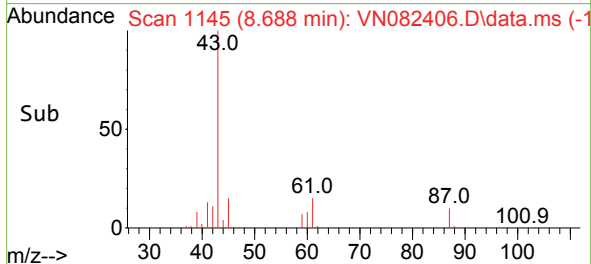
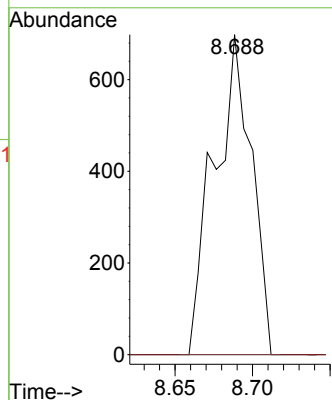
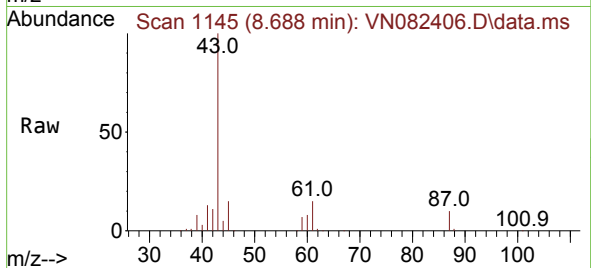
PB161190ZHE#04

Tgt Ion: 62 Resp: 1168

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 49.863 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082406.D

Acq: 31 May 2024 14:22

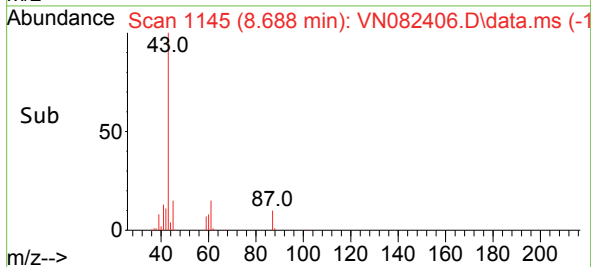
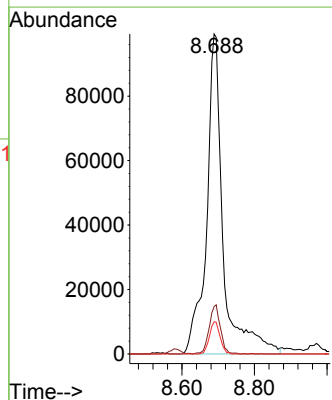
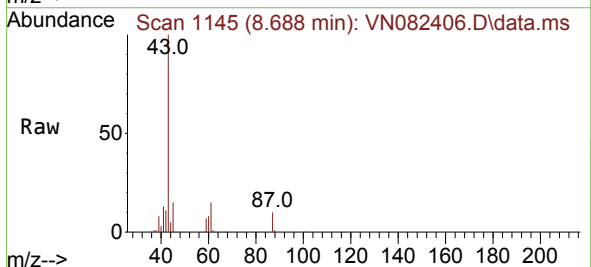
Tgt Ion: 43 Resp: 313683

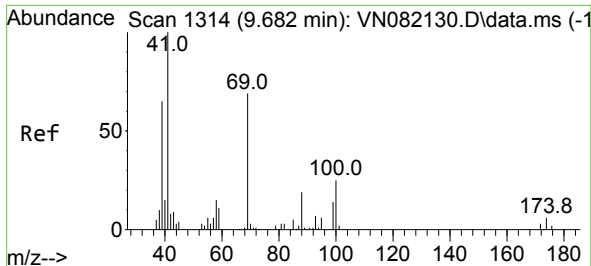
Ion Ratio Lower Upper

43 100

61 10.4 22.8 34.2#

87 6.4 12.0 18.0#

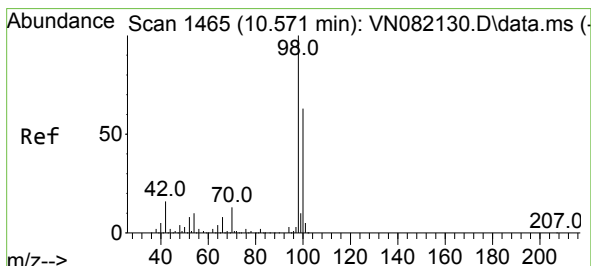
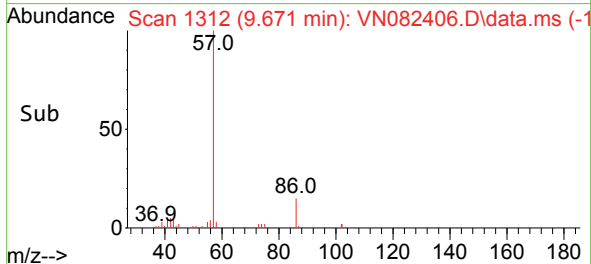
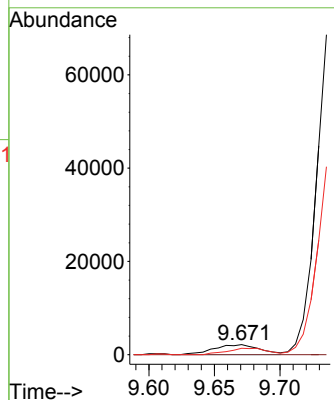
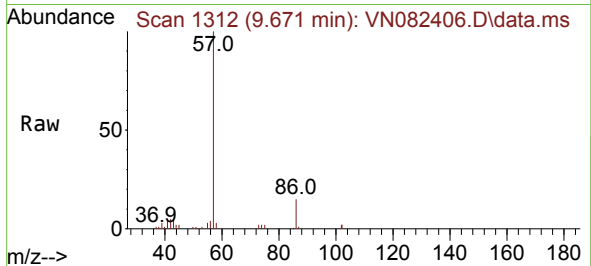




#48
Methyl methacrylate
Concen: 1.764 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

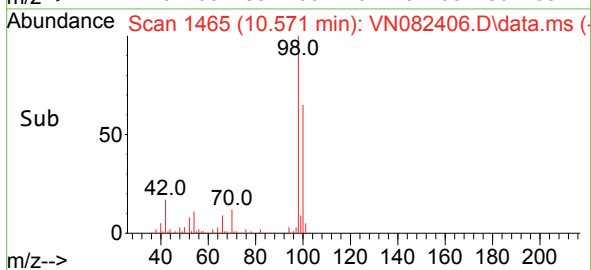
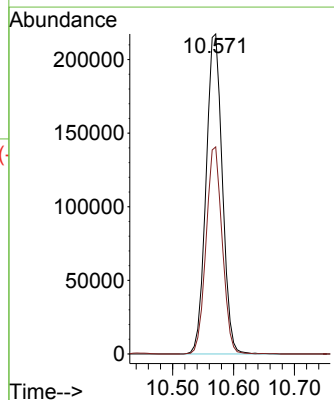
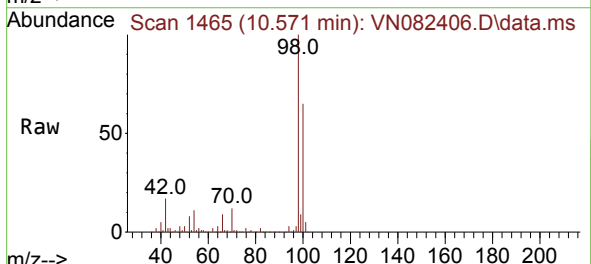
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

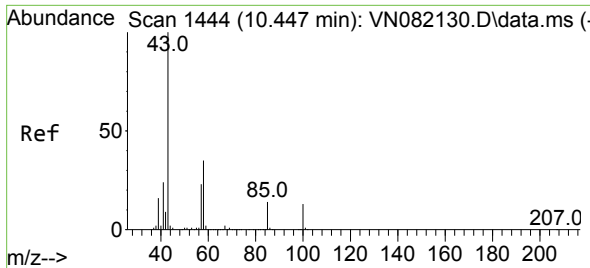
Tgt Ion: 41 Resp: 5289
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 55.5 50.9 76.3



#50
Toluene-d8
Concen: 55.690 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Tgt Ion: 98 Resp: 403860
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6

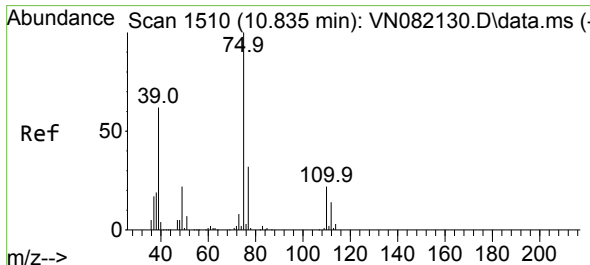
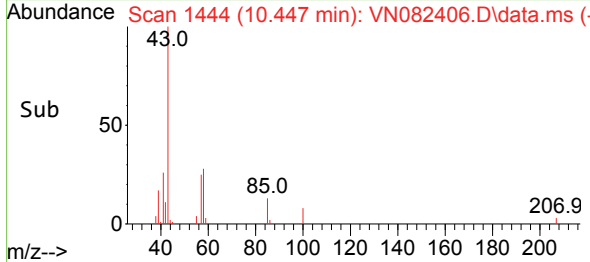
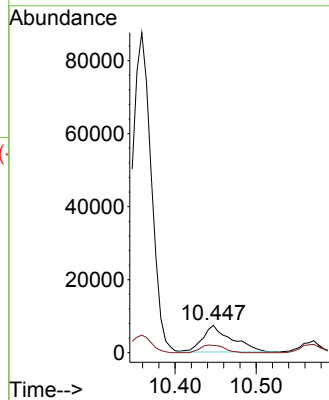
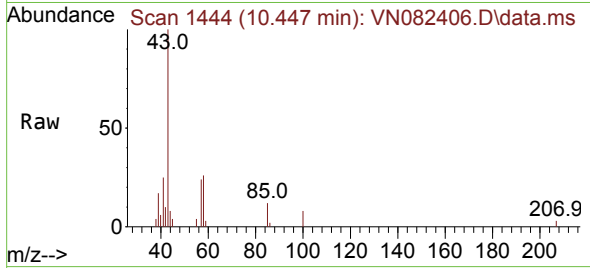




#51
4-Methyl-2-Pentanone
Concen: 5.046 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

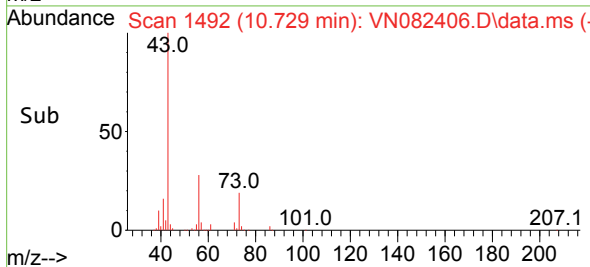
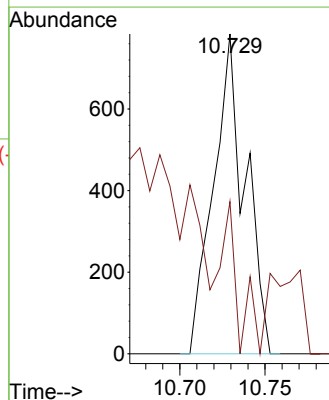
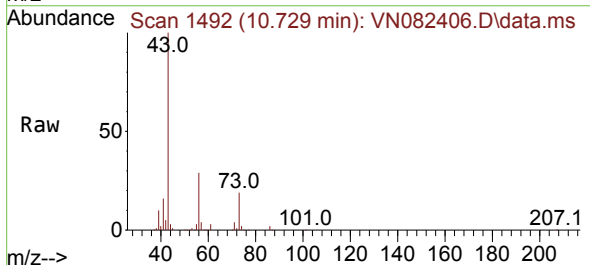
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

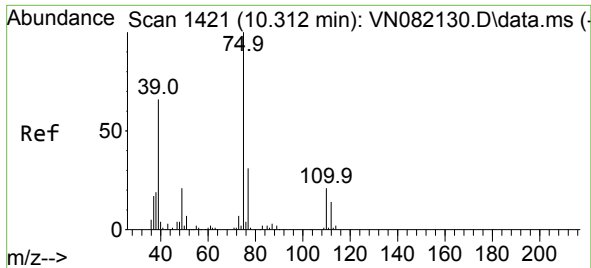
Tgt Ion: 43 Resp: 18036
Ion Ratio Lower Upper
43 100
58 23.6 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.290 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Tgt Ion: 75 Resp: 1014
Ion Ratio Lower Upper
75 100
77 26.5 25.4 38.0

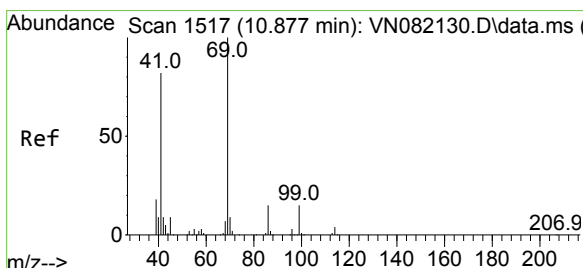
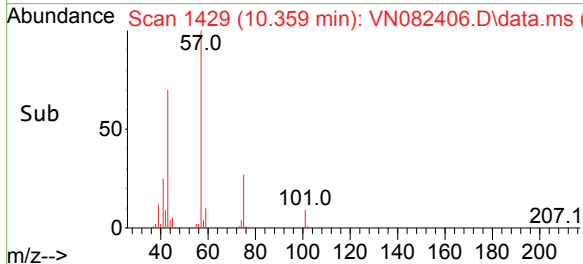
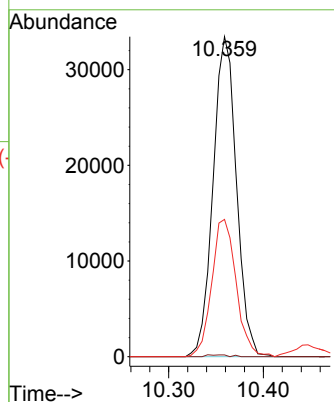
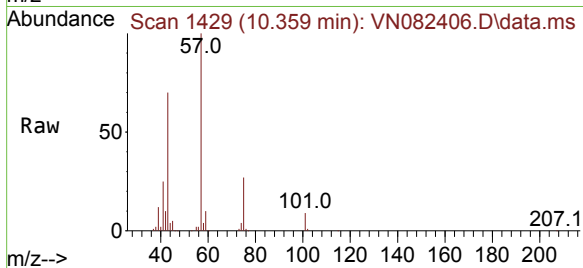




#54
 cis-1,3-Dichloropropene
 Concen: 15.490 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082406.D
 Acq: 31 May 2024 14:22

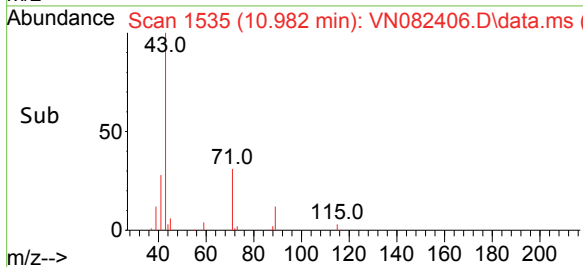
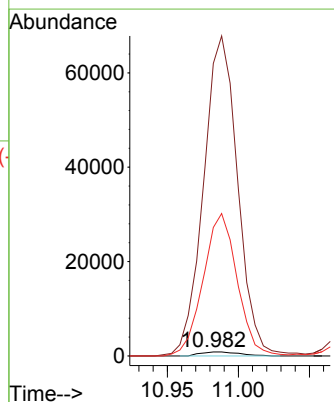
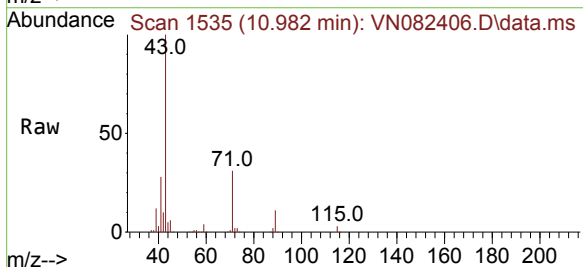
Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#04

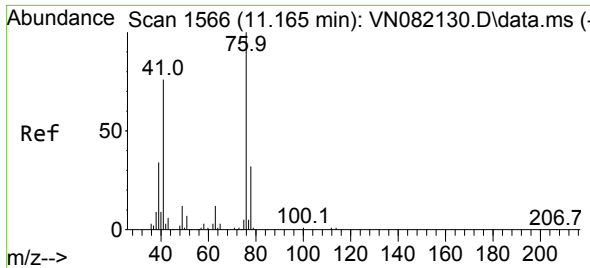
Tgt Ion: 75 Resp: 57365
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 42.9 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.474 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082406.D
 Acq: 31 May 2024 14:22

Tgt Ion: 69 Resp: 1660
 Ion Ratio Lower Upper
 69 100
 41 6859.3 46.6 70.0#
 39 3024.2 26.5 39.7#

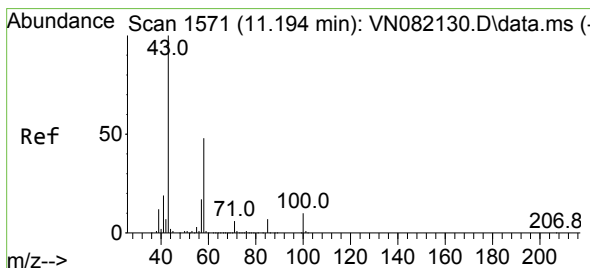
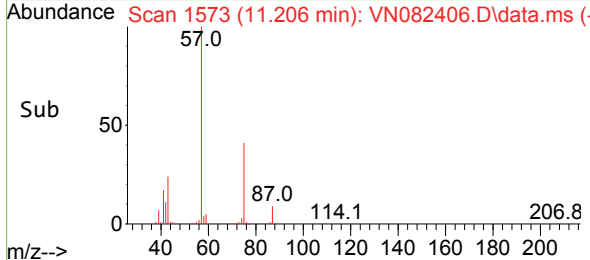
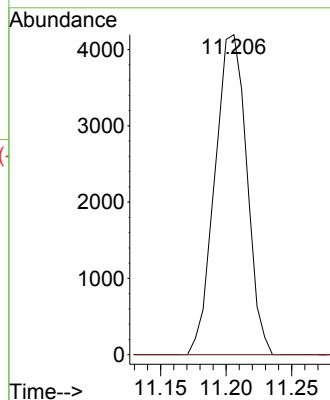
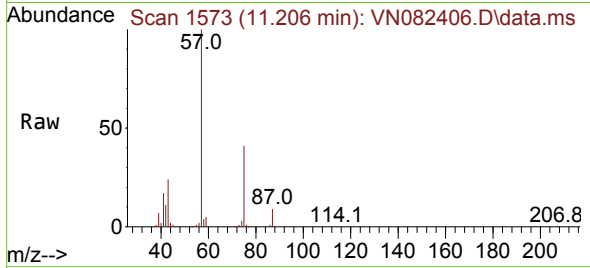




#57
1,3-Dichloropropane
Concen: 1.839 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

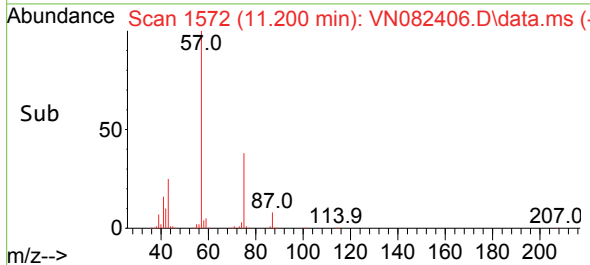
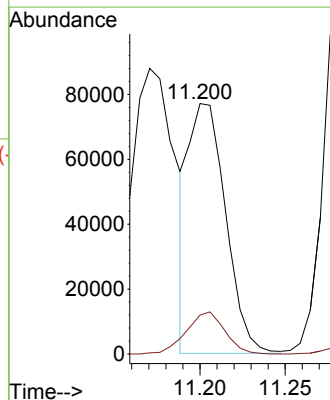
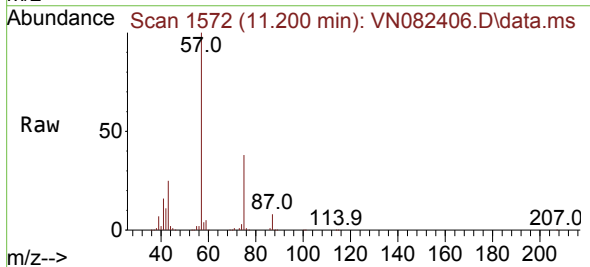
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

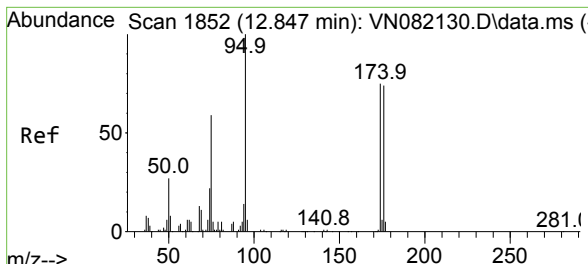
Tgt Ion: 76 Resp: 7095
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 44.578 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Tgt Ion: 43 Resp: 116665
Ion Ratio Lower Upper
43 100
58 17.5 28.3 84.9#

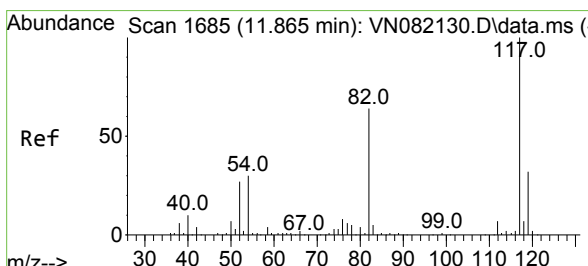
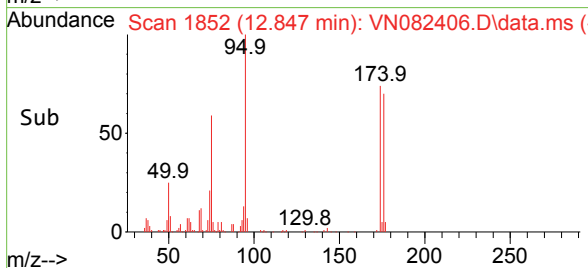
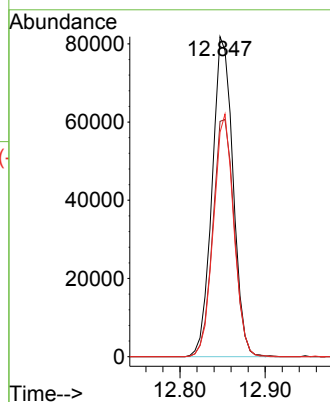
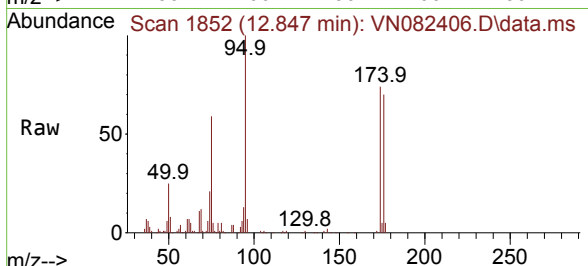




#62
4-Bromofluorobenzene
Concen: 53.852 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

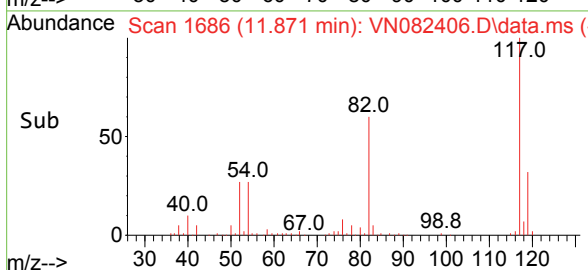
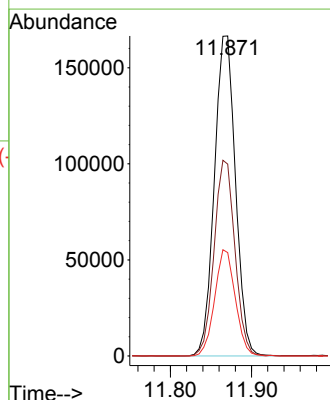
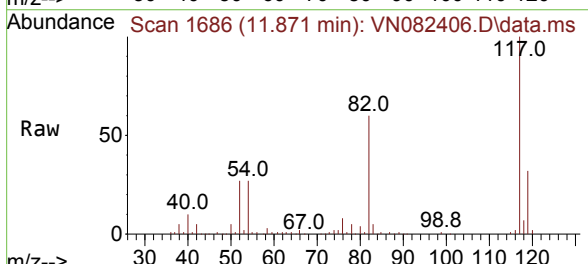
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

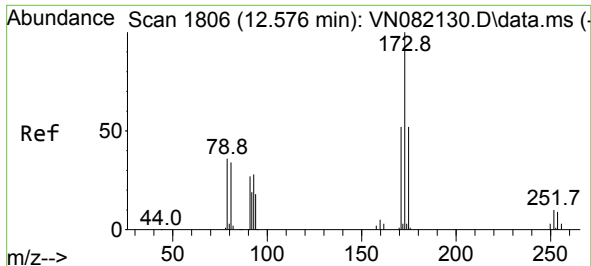
Tgt Ion: 95 Resp: 139389
Ion Ratio Lower Upper
95 100
174 76.0 0.0 160.6
176 73.8 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Tgt Ion: 117 Resp: 301654
Ion Ratio Lower Upper
117 100
82 60.0 44.6 66.8
119 32.3 25.9 38.9

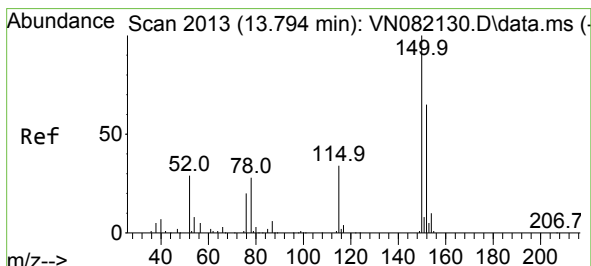
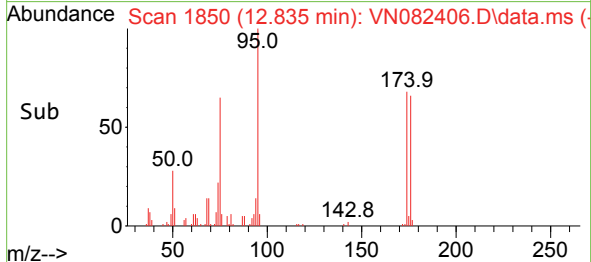
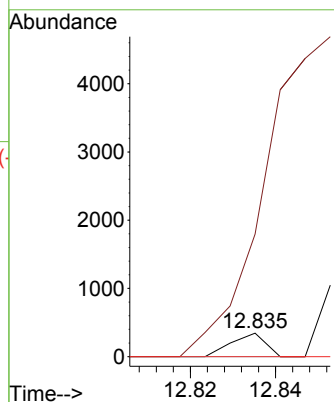
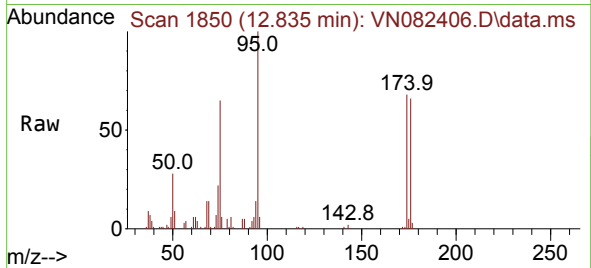




#71
Bromoform
Concen: 0.809 ug/l
RT: 12.835 min Scan# 1806
Delta R.T. 0.259 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

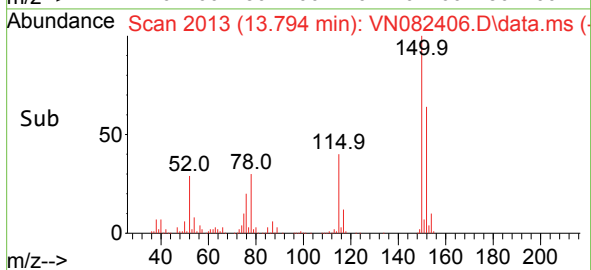
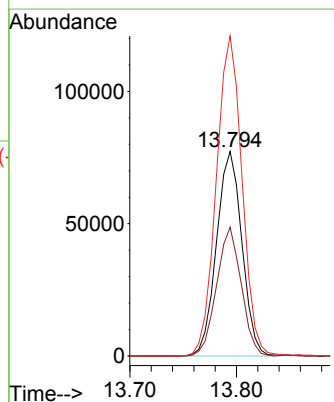
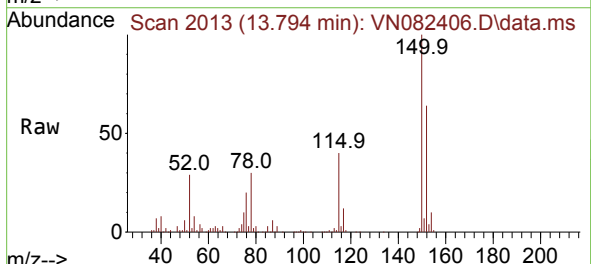
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

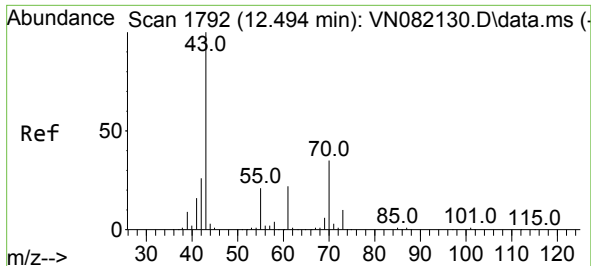
Tgt Ion:173 Resp: 191
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

Tgt Ion:152 Resp: 127945
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.3
150 158.7 0.0 353.2

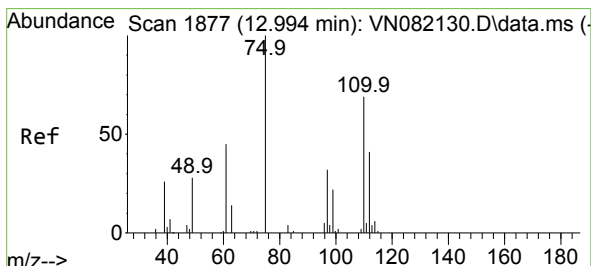
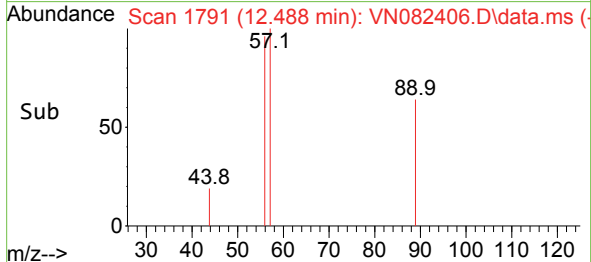
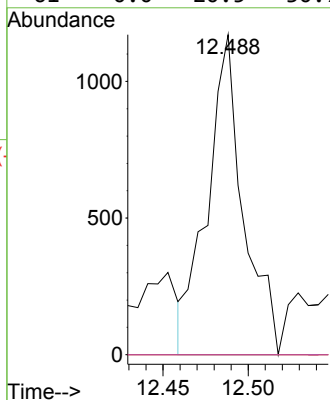
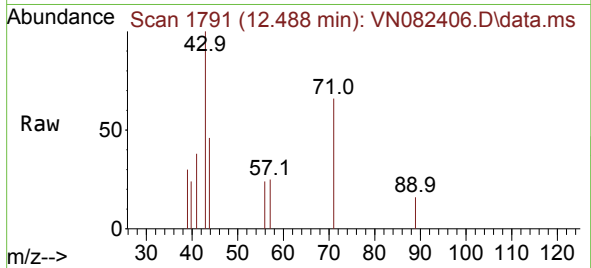




#74
N-amy1 acetate
Concen: 0.307 ug/l
RT: 12.488 min Scan# 1717
Delta R.T. -0.006 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

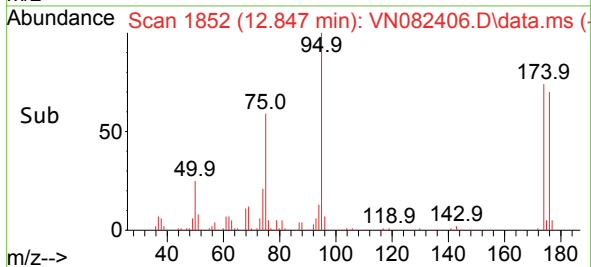
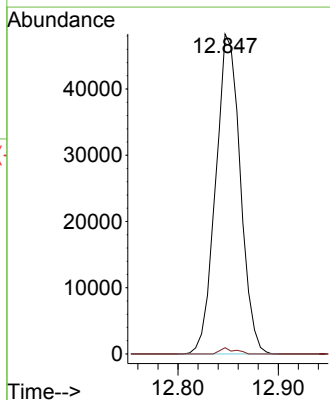
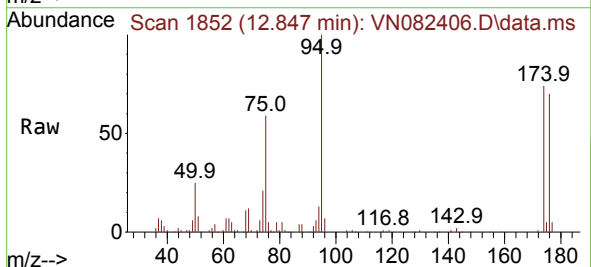
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#04

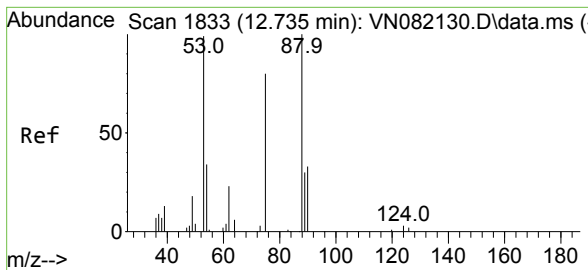
Tgt Ion	43	70	55	61
Ratio	100	0.0	0.0	0.0
Lower		39.0	21.3	20.5
Upper		58.4#	31.9#	30.7#



#76
1,2,3-Trichloropropane
Concen: 30.544 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082406.D
Acq: 31 May 2024 14:22

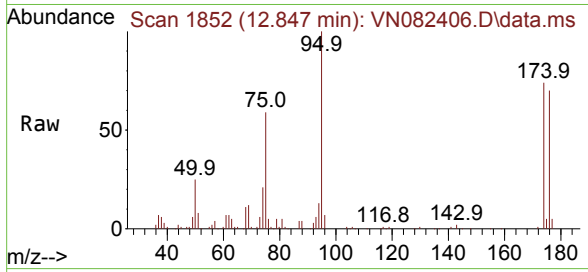
Tgt Ion	75	77
Ratio	100	1.2
Lower		90.5
Upper		271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.441 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082406.D
 Acq: 31 May 2024 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#04



Tgt Ion: 75 Resp: 82253
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

