

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082106.D
 Acq On : 13 May 2024 19:09
 Operator : JC\MD
 Sample : P2400-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240410008-02

Quant Time: May 14 03:36:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

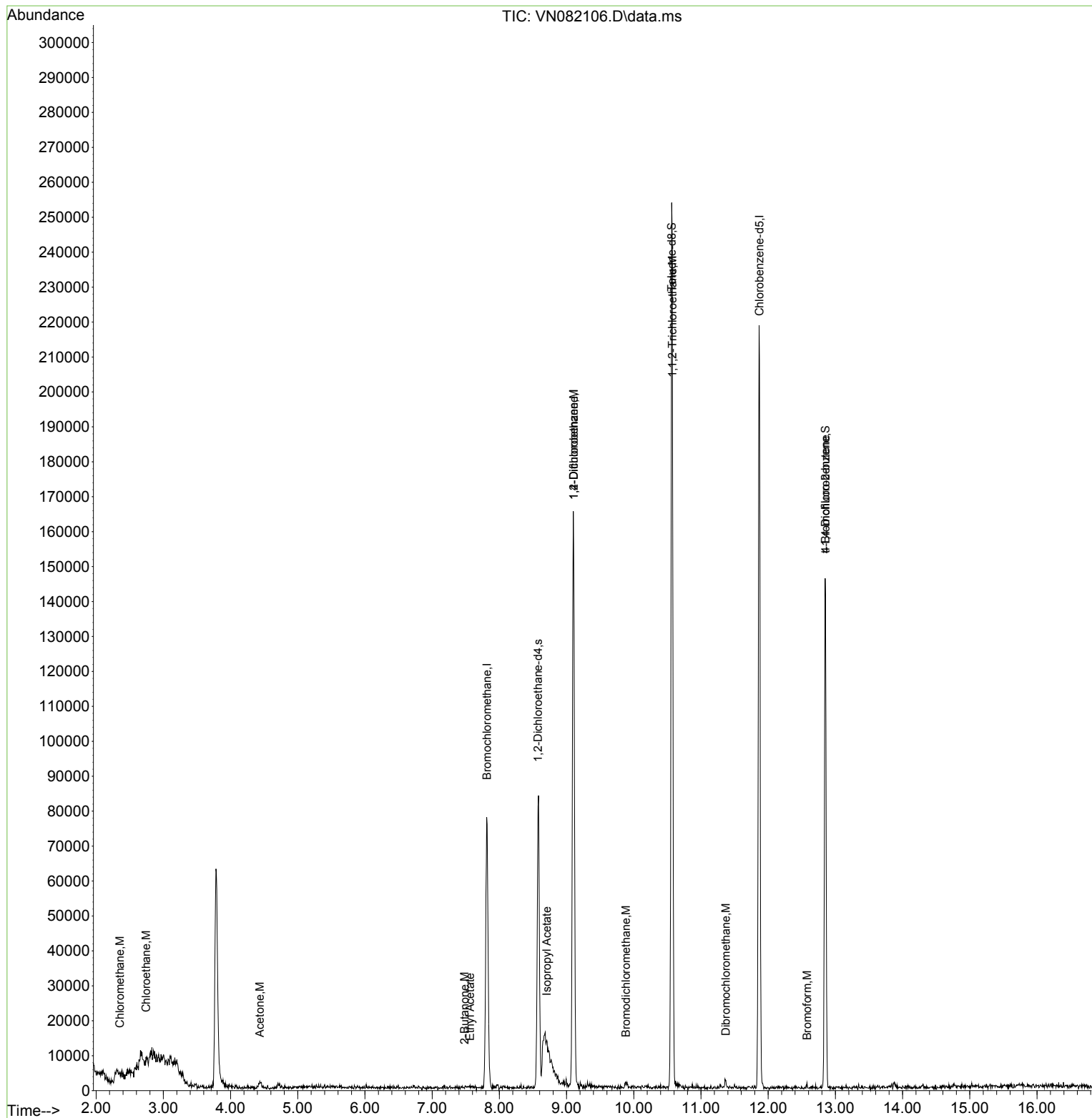
Internal Standards						
1) Bromochloromethane	7.818	128	22547	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	129048	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.871	117	114884	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	63775	33.784	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.600%#
60) 4-Bromofluorobenzene	12.853	95	48469	25.351	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.500%
63) Toluene-d8	10.565	98	166812	30.575	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.900%
Target Compounds						
						Qvalue
3) Chloromethane	2.353	50	405	0.273	ug/l	# 43
6) Chloroethane	2.742	64	944	1.189	ug/l	99
15) Acetone	4.436	58	544	3.087	ug/l	# 1
30) 2-Butanone	7.483	43	356	0.359	ug/l	# 52
36) 1,2-Dichloroethane	9.106	62	5425	2.637	ug/l	# 72
41) Bromodichloromethane	9.882	83	866	0.401	ug/l	# 51
43) Ethyl Acetate	7.565	43	776	0.359	ug/l	# 67
44) Isopropyl Acetate	8.706	43	2342	0.611	ug/l	# 49
50) 1,1,2-Trichloroethane	10.576	97	4630	3.378	ug/l	# 1
53) Dibromochloromethane	11.371	129	518	0.347	ug/l	92
56) Bromoform	12.582	173	204	0.225	ug/l	# 35
77) t-1,4-Dichloro-2-butene	12.853	75	28069	35.510	ug/l	# 12

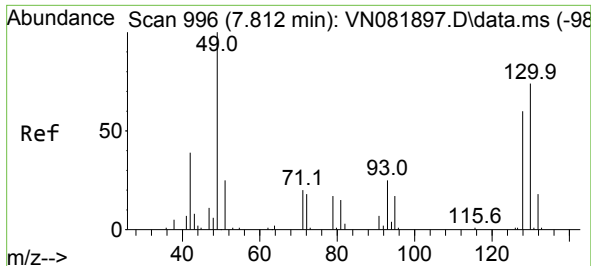
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
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ClientSampleId :
240410008-02

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
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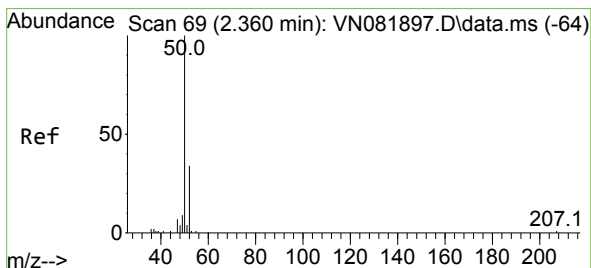
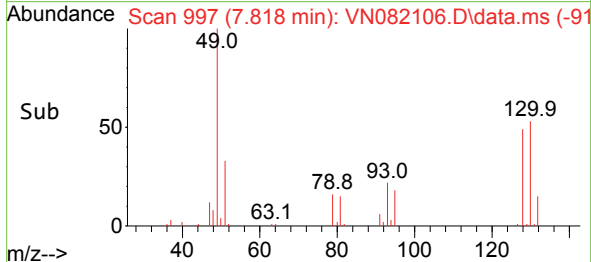
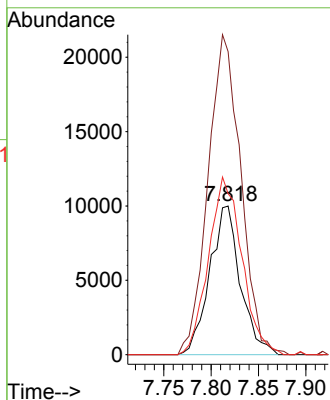
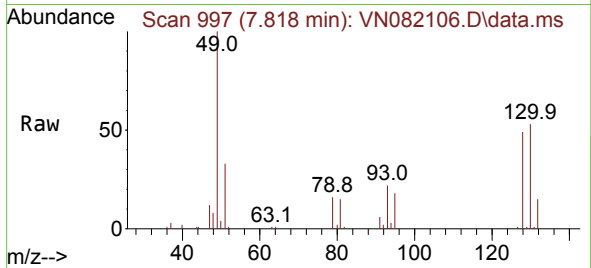




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

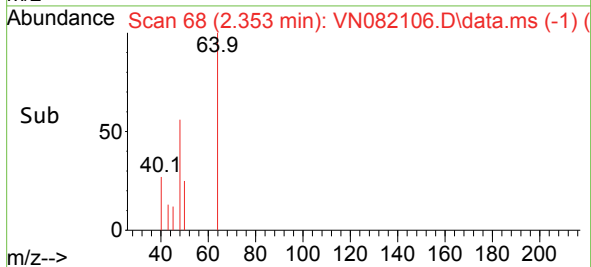
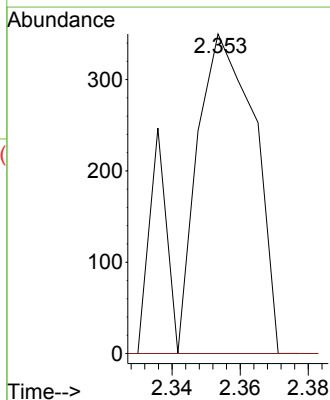
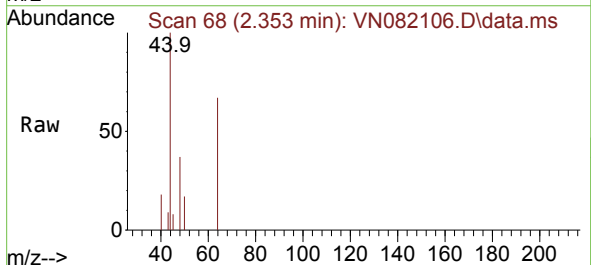
Instrument :
MSVOA_N
ClientSampleId :
240410008-02

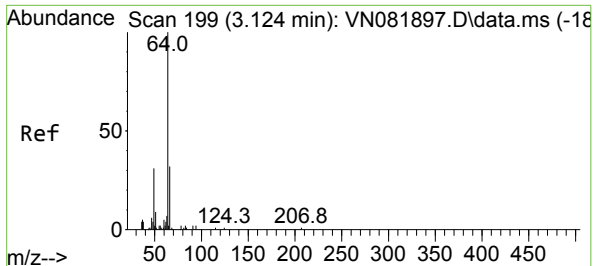
Tgt Ion:128 Resp: 22547
Ion Ratio Lower Upper
128 100
49 229.6 0.0 403.7
130 129.9 0.0 323.3



#3
Chloromethane
Concen: 0.273 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

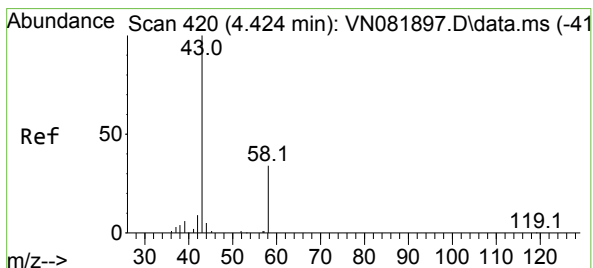
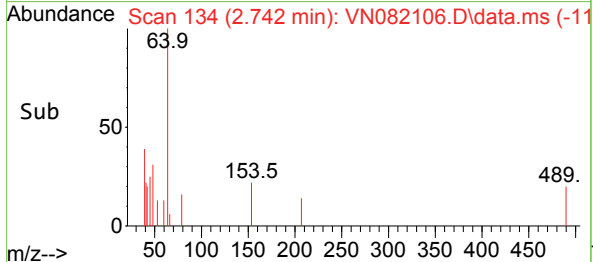
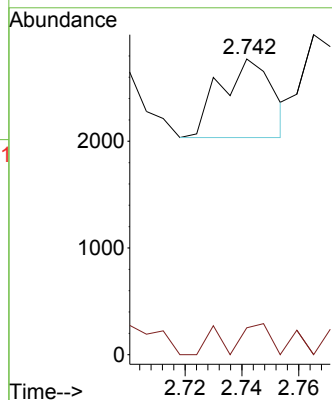
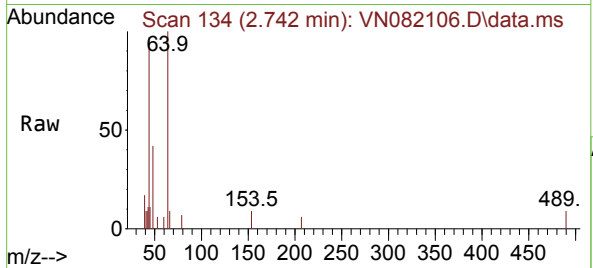




#6
Chloroethane
Concen: 1.189 ug/l
RT: 2.742 min Scan# 11
Delta R.T. -0.382 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

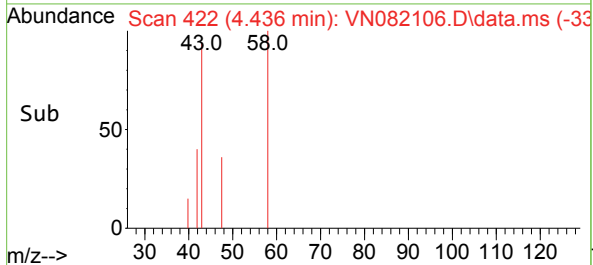
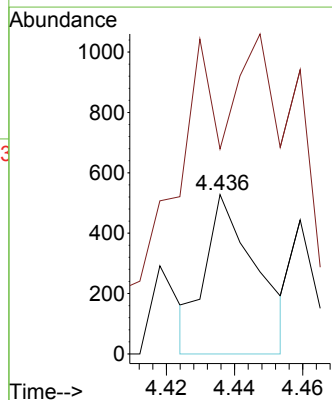
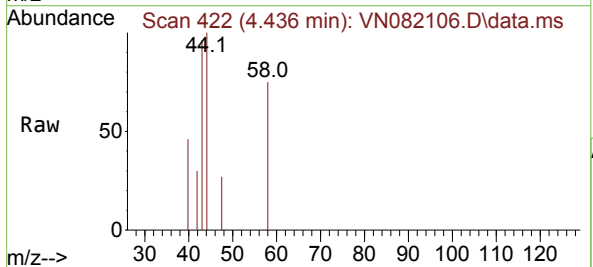
Instrument :
MSVOA_N
ClientSampleId :
240410008-02

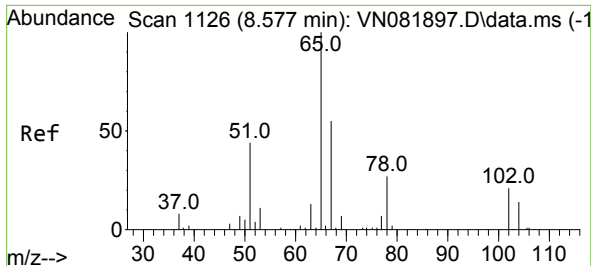
Tgt Ion: 64 Resp: 944
Ion Ratio Lower Upper
64 100
66 34.2 26.7 40.1



#15
Acetone
Concen: 3.087 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Tgt Ion: 58 Resp: 544
Ion Ratio Lower Upper
58 100
43 43.2 223.1 334.7#

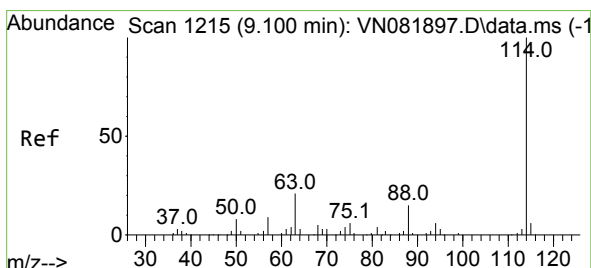
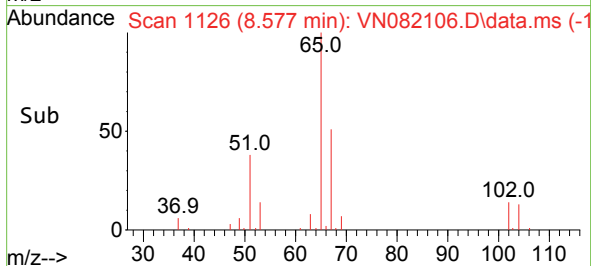
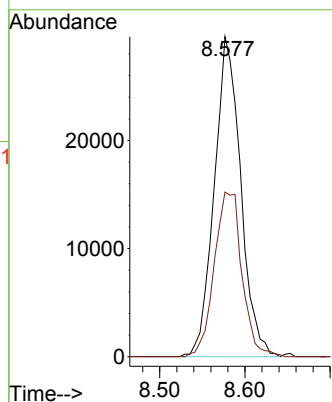
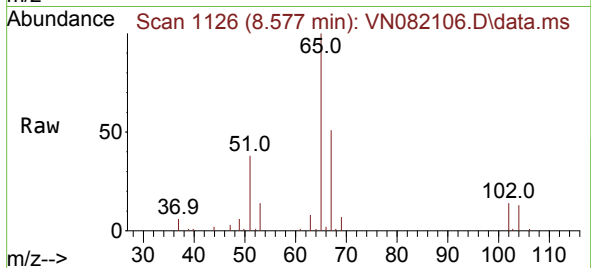




#27
1,2-Dichloroethane-d4
Concen: 33.784 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

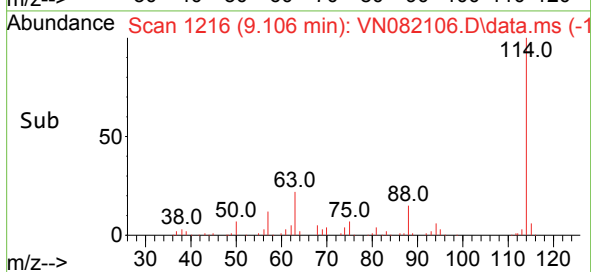
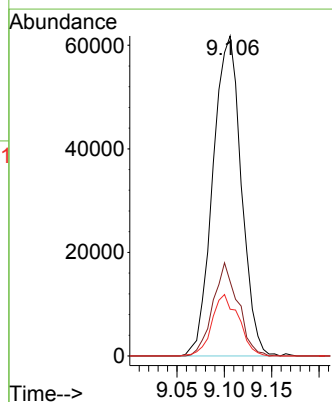
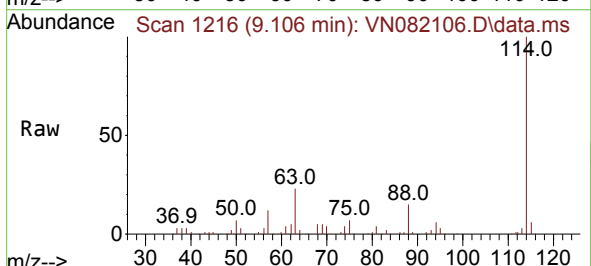
Instrument :
MSVOA_N
ClientSampleId :
240410008-02

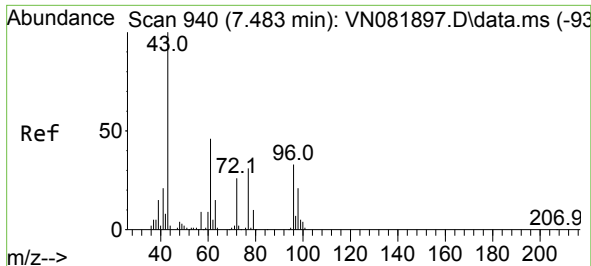
Tgt Ion: 65 Resp: 63775
Ion Ratio Lower Upper
65 100
67 54.1 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

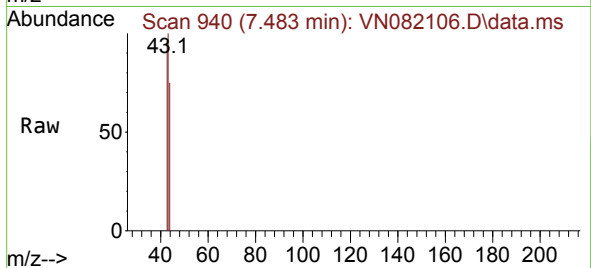
Tgt Ion: 114 Resp: 129048
Ion Ratio Lower Upper
114 100
63 25.8 15.9 23.9#
88 18.2 12.7 19.1



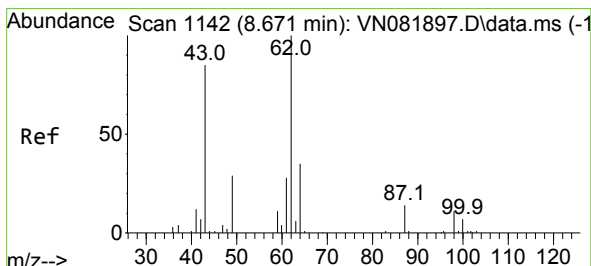
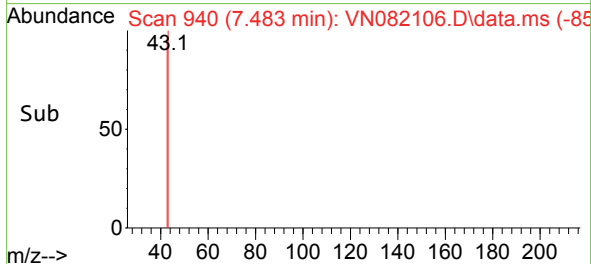
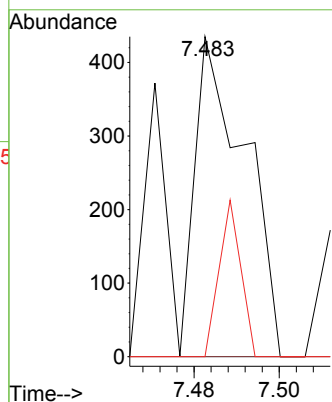


#30
2-Butanone
Concen: 0.359 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Instrument :
MSVOA_N
ClientSampleId :
240410008-02

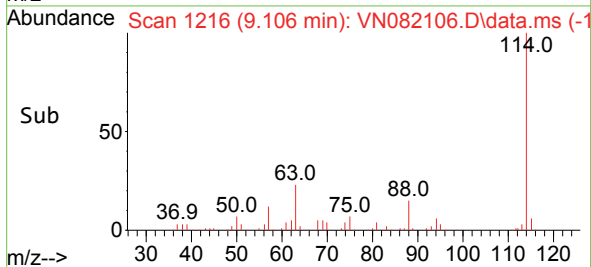
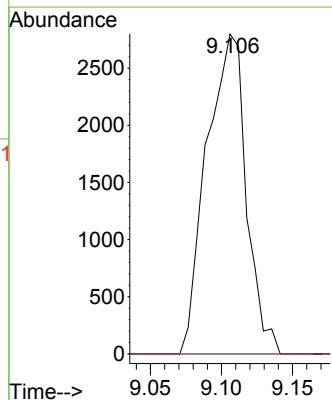
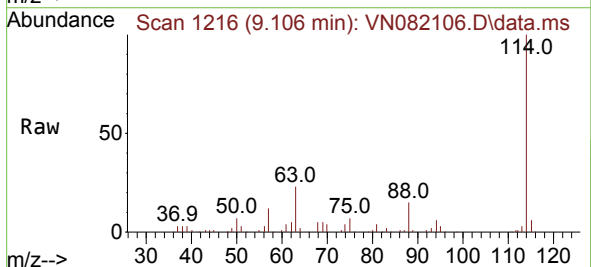


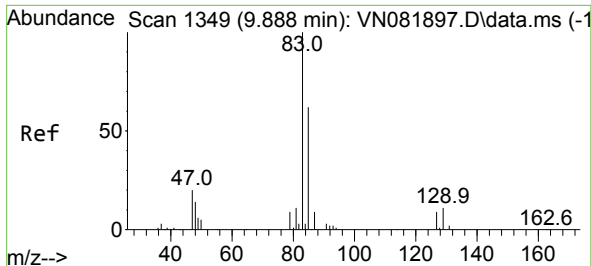
Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#36
1,2-Dichloroethane
Concen: 2.637 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Tgt Ion: 62 Resp: 5425
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

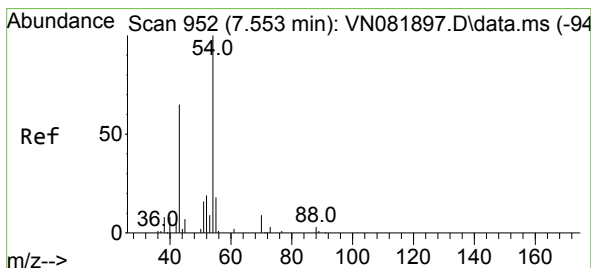
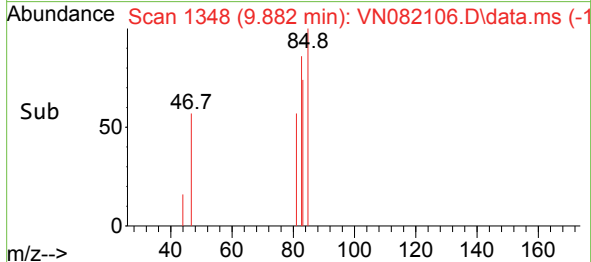
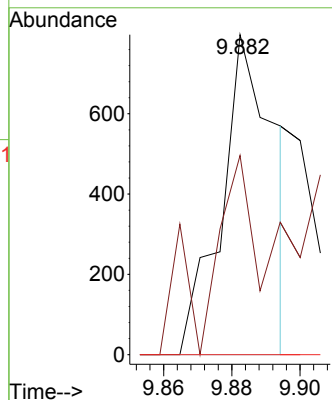
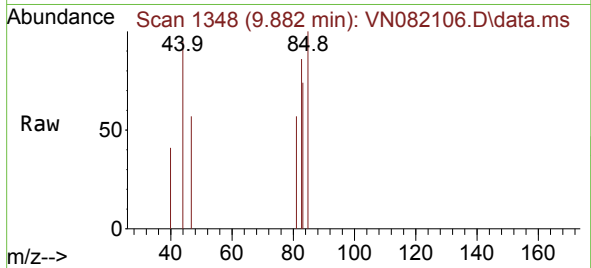




#41
Bromodichloromethane
Concen: 0.401 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

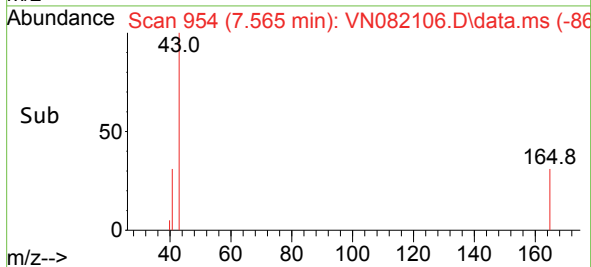
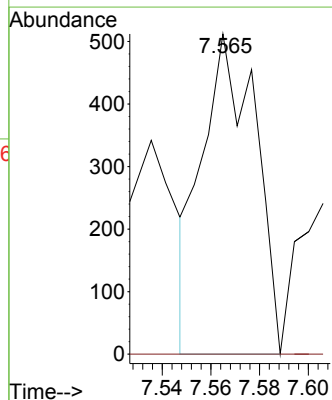
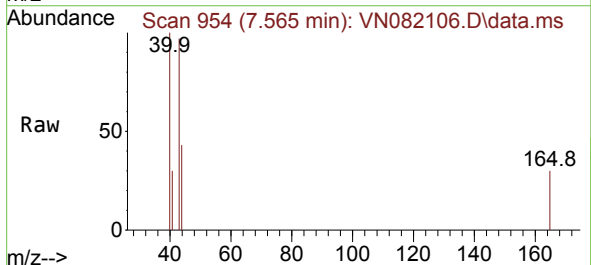
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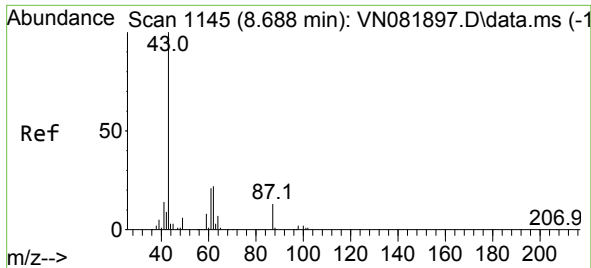
Tgt Ion: 83 Resp: 866
Ion Ratio Lower Upper
83 100
85 21.5 49.4 74.2#
127 0.0 7.3 10.9#



#43
Ethyl Acetate
Concen: 0.359 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
45 0.0 10.6 15.8#

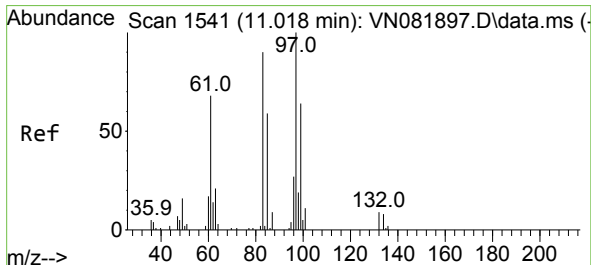
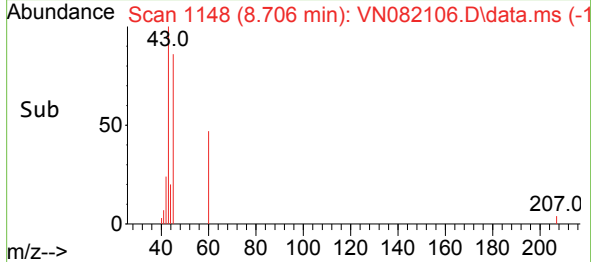
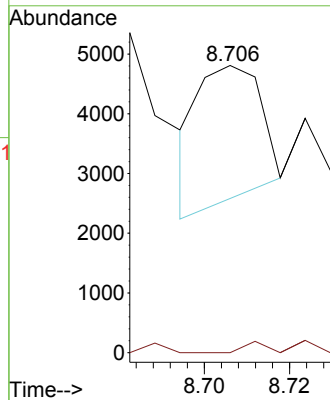
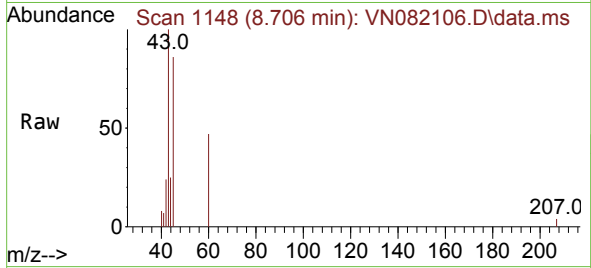




#44
Isopropyl Acetate
Concen: 0.611 ug/l
RT: 8.706 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

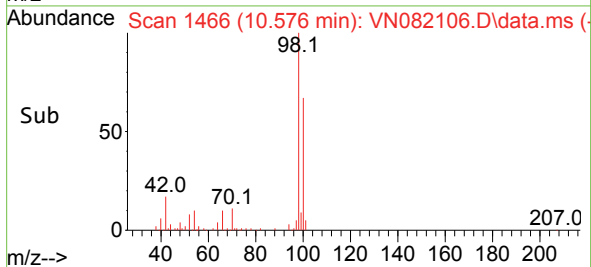
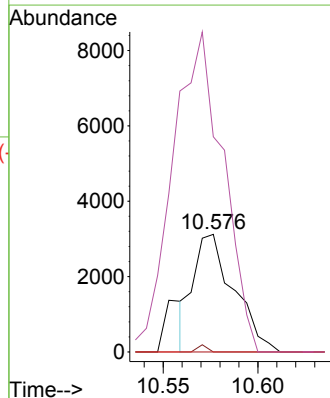
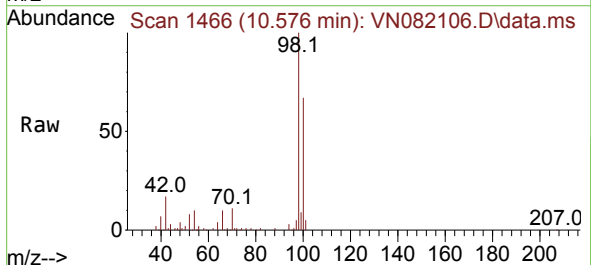
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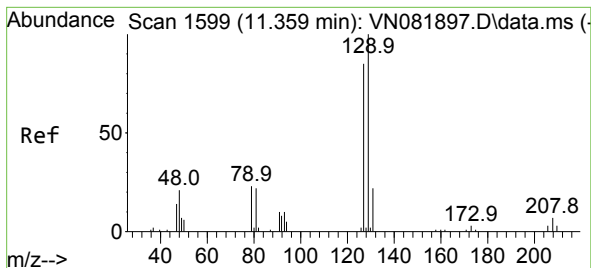
Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
61 2.9 25.0 37.4#



#50
1,1,2-Trichloroethane
Concen: 3.378 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Tgt Ion: 97 Resp: 4630
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 182.9 47.0 70.4#





#53

Dibromochloromethane

Concen: 0.347 ug/l

RT: 11.371 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN082106.D

Acq: 13 May 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

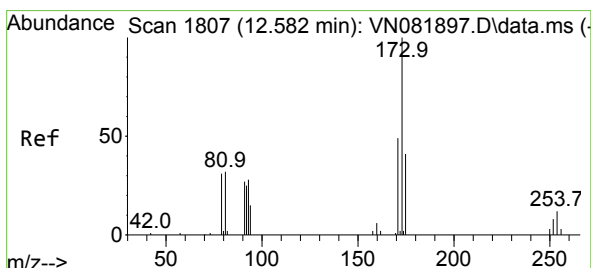
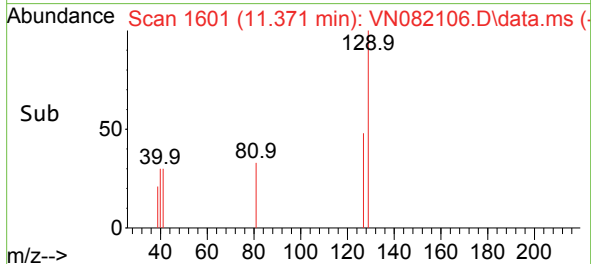
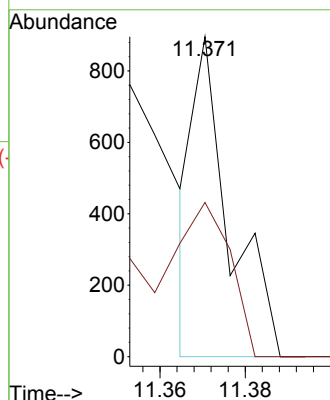
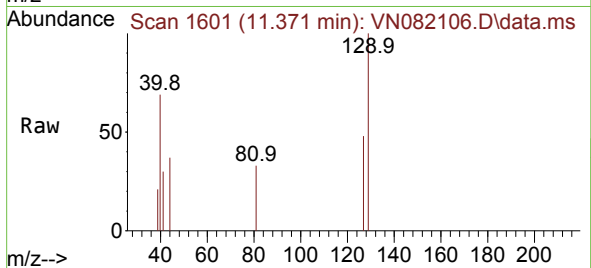
240410008-02

Tgt Ion:129 Resp: 518

Ion Ratio Lower Upper

129 100

127 71.4 39.4 118.1



#56

Bromoform

Concen: 0.225 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VN082106.D

Acq: 13 May 2024 19:09

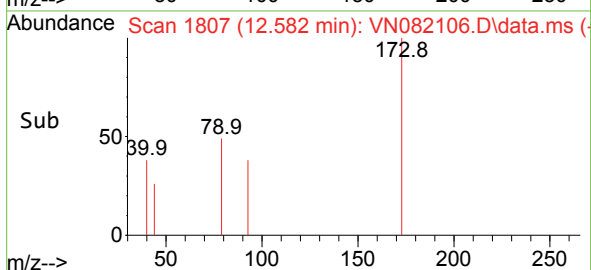
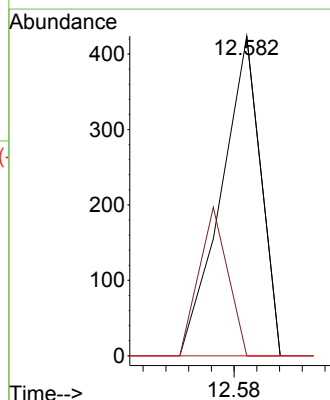
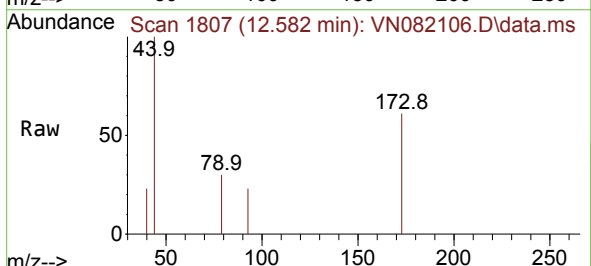
Tgt Ion:173 Resp: 204

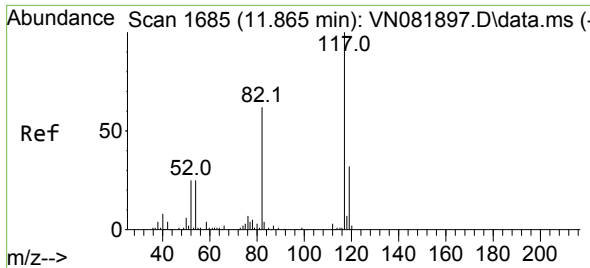
Ion Ratio Lower Upper

173 100

175 0.0 40.0 60.0#

254 0.0 8.3 12.5#

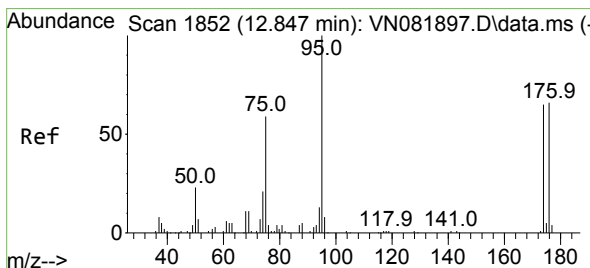
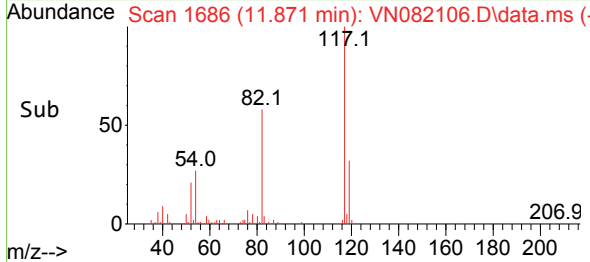
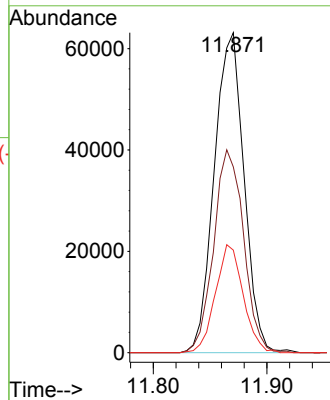
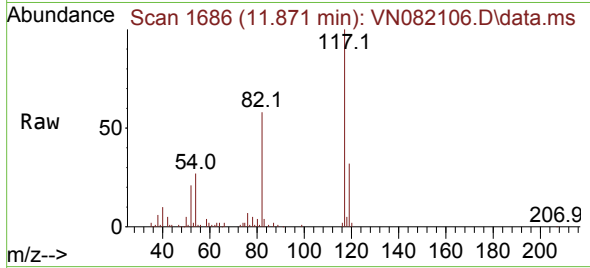




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

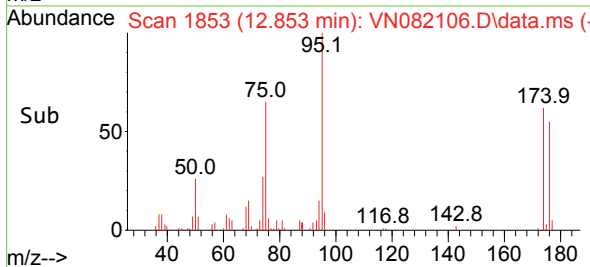
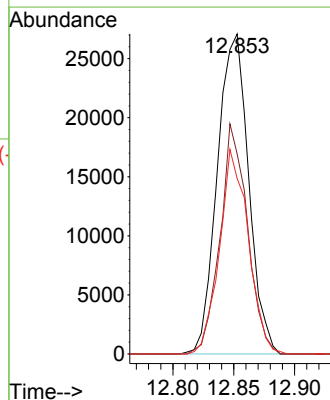
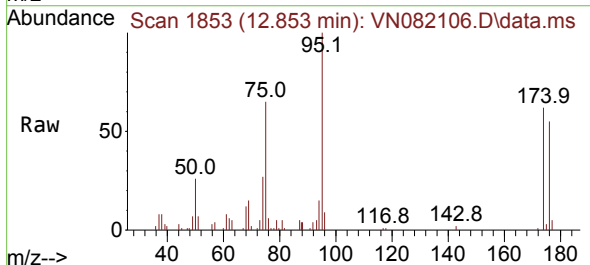
Instrument :
MSVOA_N
ClientSampleId :
240410008-02

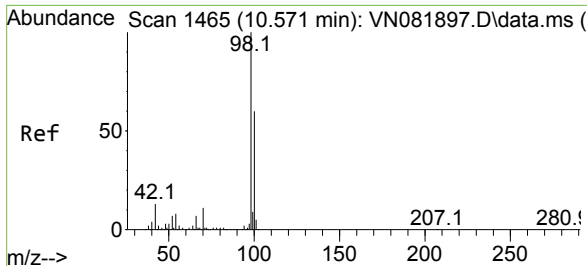
Tgt Ion:117 Resp: 114884
Ion Ratio Lower Upper
117 100
82 63.8 46.6 69.8
119 31.6 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 25.351 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Tgt Ion: 95 Resp: 48469
Ion Ratio Lower Upper
95 100
174 62.9 60.5 90.7
176 58.6 57.8 86.6

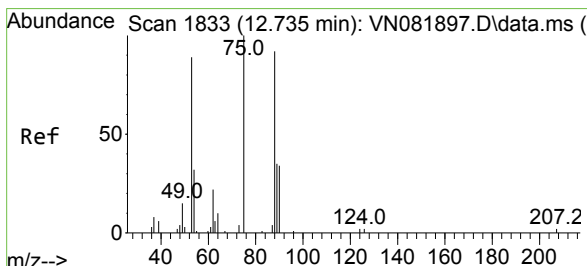
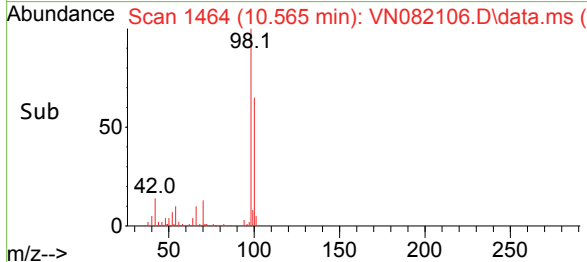
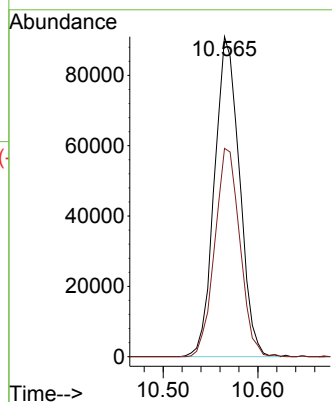
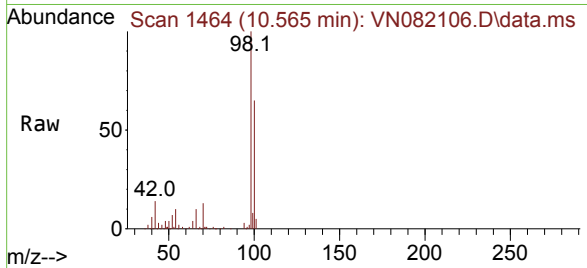




#63
Toluene-d8
Concen: 30.575 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Instrument :
MSVOA_N
ClientSampleId :
240410008-02

Tgt Ion: 98 Resp: 166812
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 35.510 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082106.D
Acq: 13 May 2024 19:09

Tgt Ion: 75 Resp: 28069
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

