

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082104.D
 Acq On : 13 May 2024 18:21
 Operator : JC\MD
 Sample : P2462-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240430037-01-TRIP-BLANK

Quant Time: May 14 03:35:31 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)

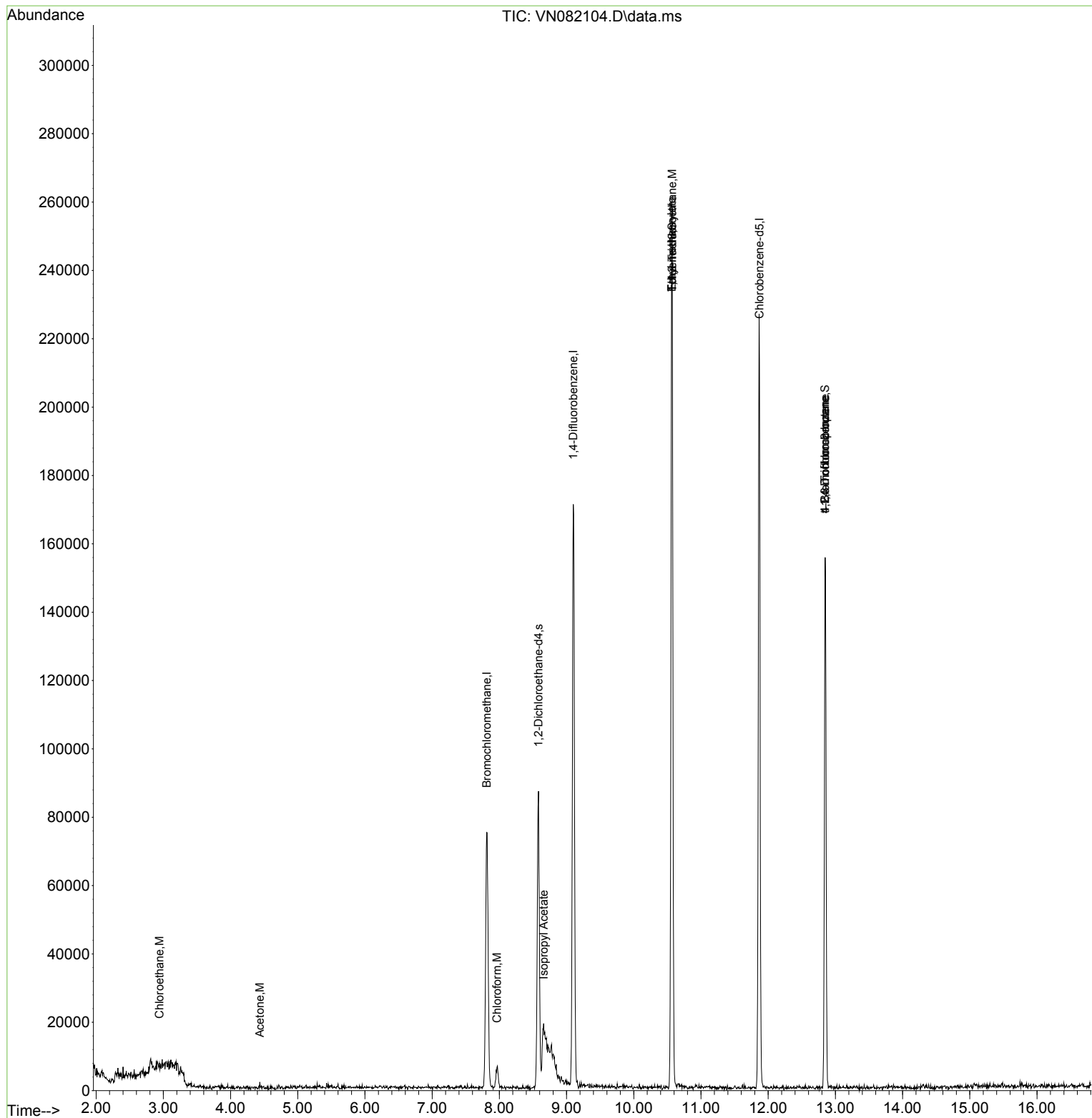
Internal Standards						
1) Bromochloromethane	7.812	128	23118	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	138782	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.870	117	114142	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	65816	34.004	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	113.333%#
60) 4-Bromofluorobenzene	12.847	95	52363	27.566	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.900%
63) Toluene-d8	10.570	98	170084	31.377	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.600%
Target Compounds						Qvalue
6) Chloroethane	2.942	64	1472	1.808	ug/l	96
15) Acetone	4.436	58	227	1.256	ug/l	# 1
25) Chloroform	7.965	83	5299	1.898	ug/l	98
44) Isopropyl Acetate	8.659	43	11830	2.870	ug/l	# 46
50) 1,1,2-Trichloroethane	10.570	97	4902	3.325	ug/l	# 1
51) Ethyl methacrylate	10.565	69	574	0.206	ug/l	# 27
72) 1,2,3-Trichloropropane	12.847	75	30763	17.435	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30763	39.171	ug/l	# 12

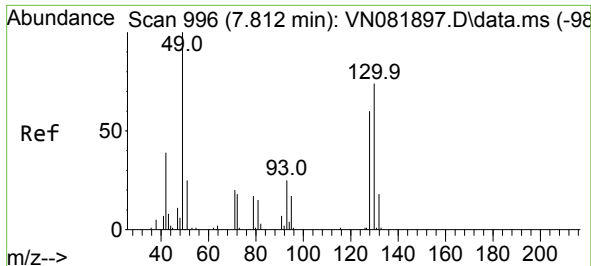
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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240430037-01-TRIP-BLANK

Quant Time: May 14 03:35:31 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration

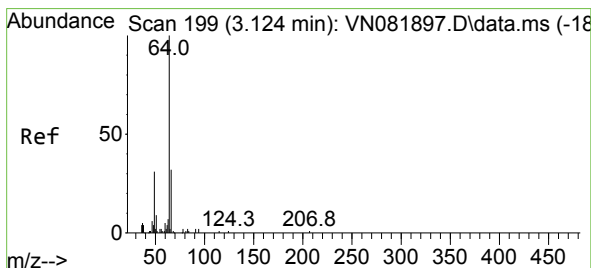
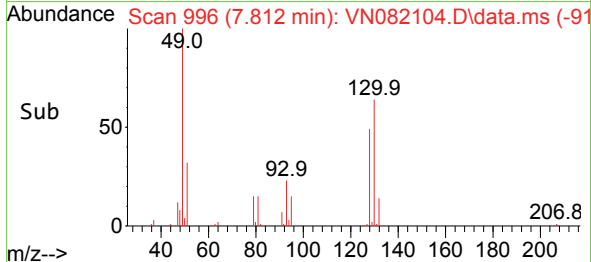
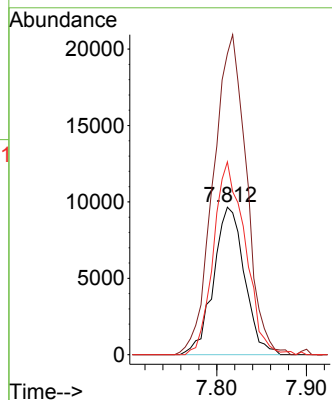
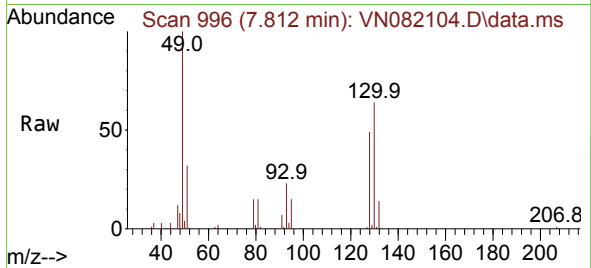




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

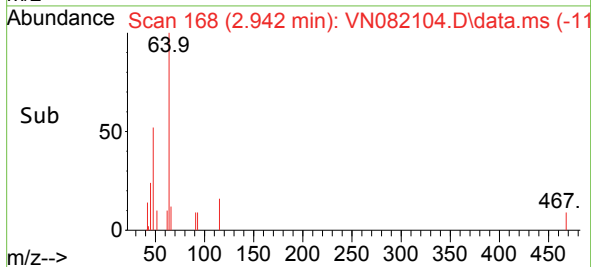
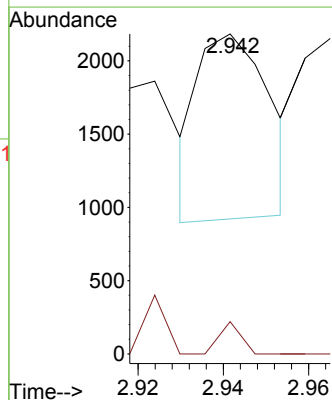
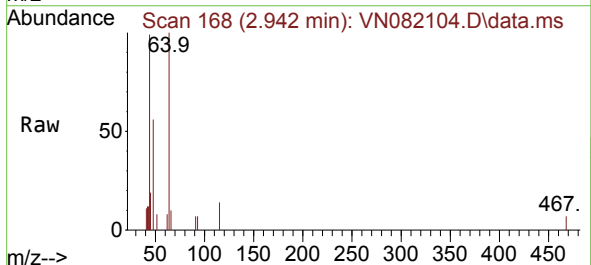
Instrument :
MSVOA_N
ClientSampleId :
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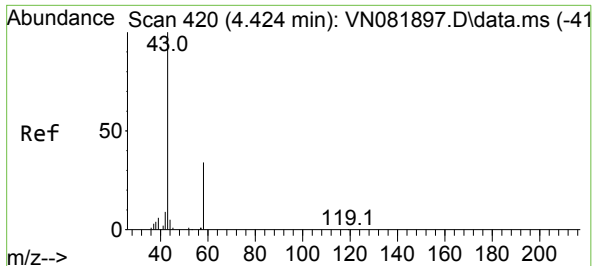
Tgt Ion:128 Resp: 23118
Ion Ratio Lower Upper
128 100
49 231.3 0.0 403.7
130 133.3 0.0 323.3



#6
Chloroethane
Concen: 1.808 ug/l
RT: 2.942 min Scan# 168
Delta R.T. -0.183 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

Tgt Ion: 64 Resp: 1472
Ion Ratio Lower Upper
64 100
66 31.3 26.7 40.1

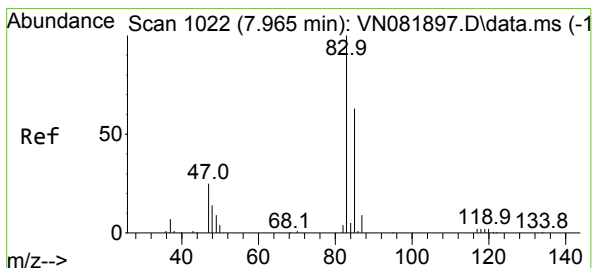
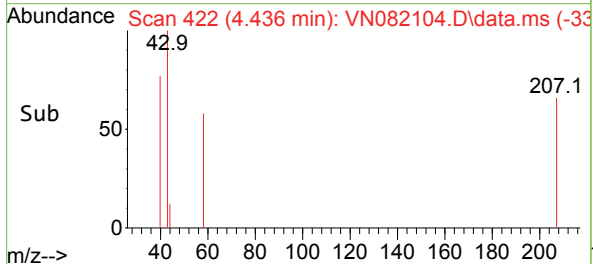
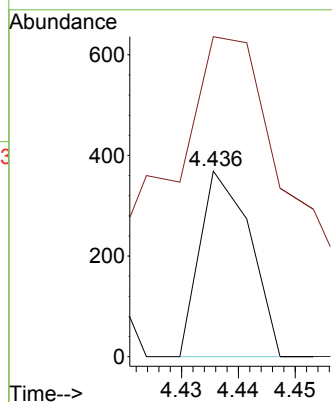
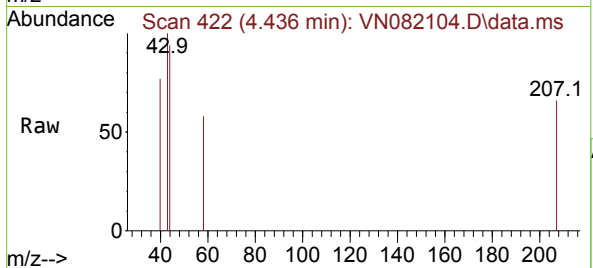




#15
Acetone
Concen: 1.256 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

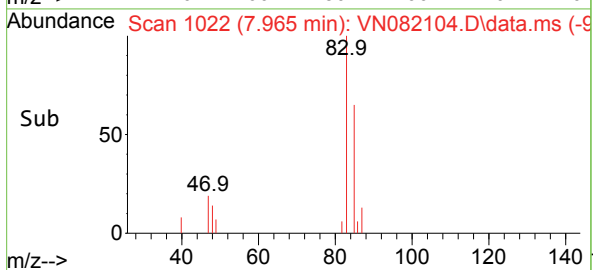
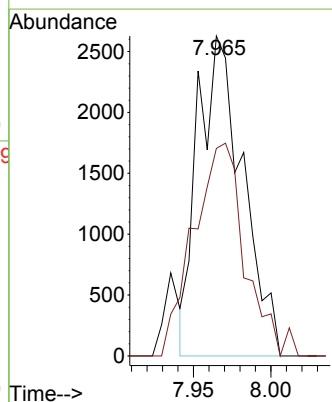
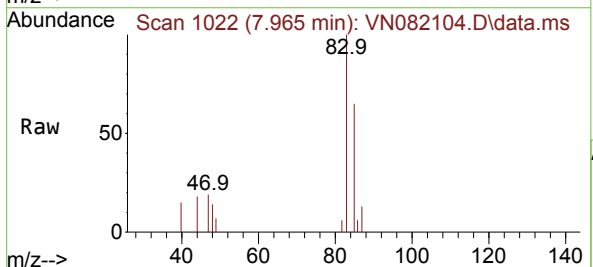
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ClientSampleId :
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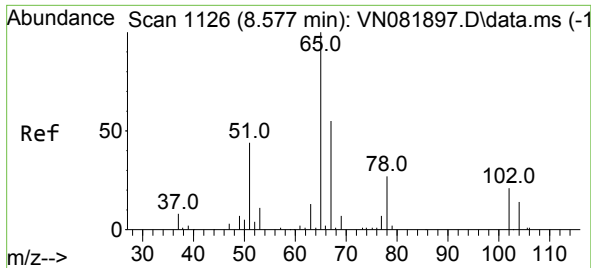
Tgt Ion: 58 Resp: 227
Ion Ratio Lower Upper
58 100
43 81.6 223.1 334.7#



#25
Chloroform
Concen: 1.898 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

Tgt Ion: 83 Resp: 5299
Ion Ratio Lower Upper
83 100
85 64.8 50.9 76.3

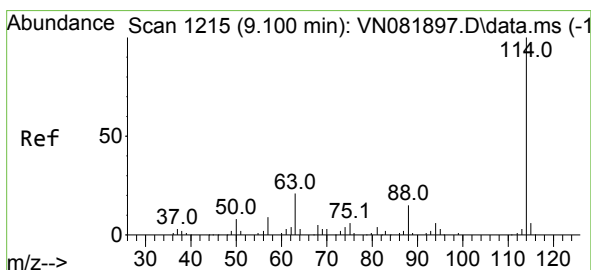
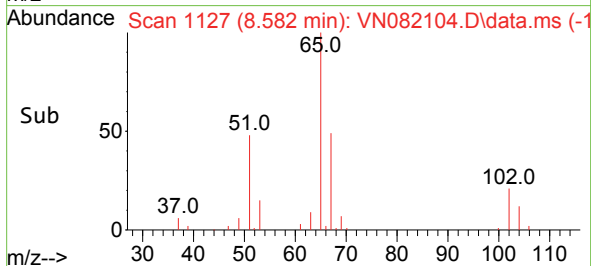
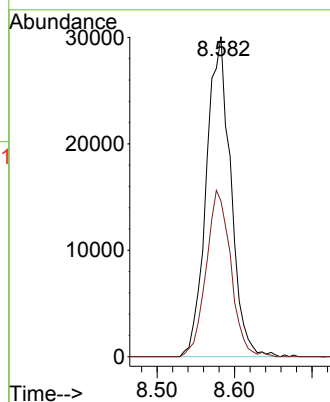
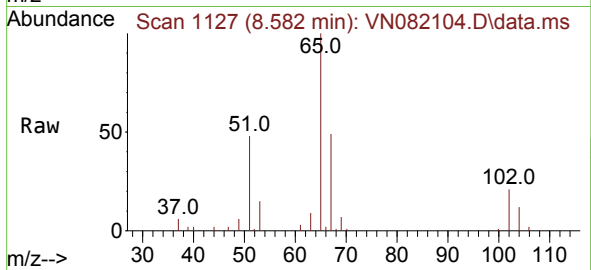




#27
1,2-Dichloroethane-d4
Concen: 34.004 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

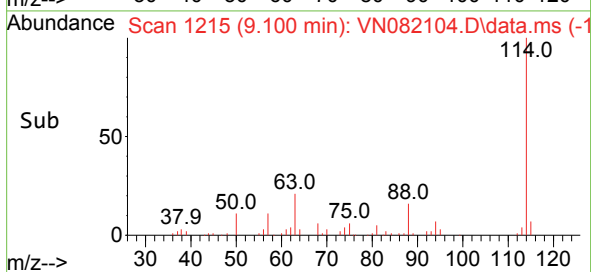
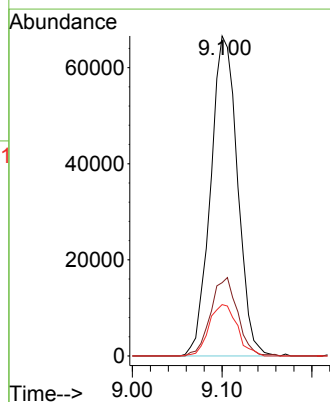
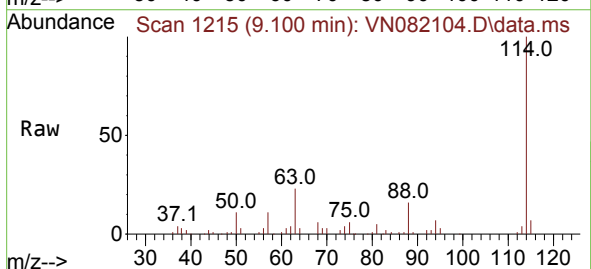
Instrument :
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ClientSampleId :
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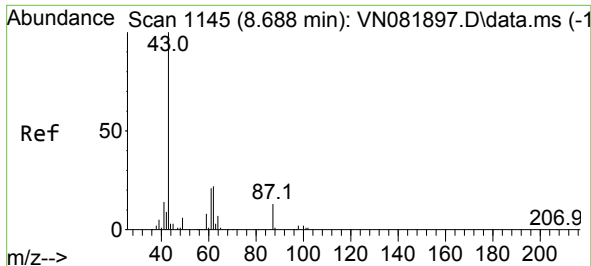
Tgt Ion: 65 Resp: 65816
Ion Ratio Lower Upper
65 100
67 52.1 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

Tgt Ion: 114 Resp: 138782
Ion Ratio Lower Upper
114 100
63 24.3 15.9 23.9#
88 16.8 12.7 19.1

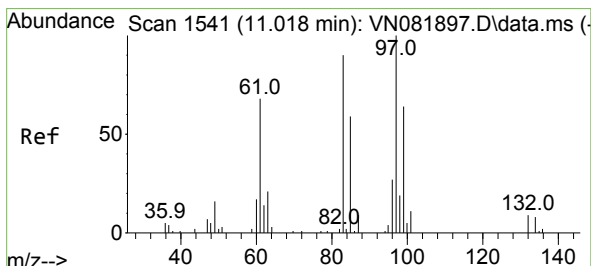
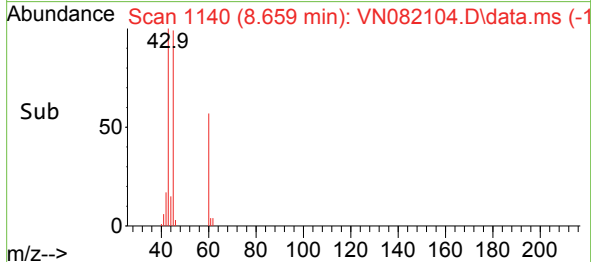
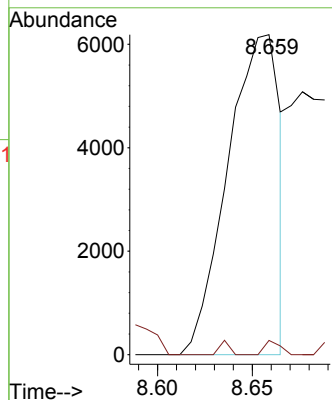
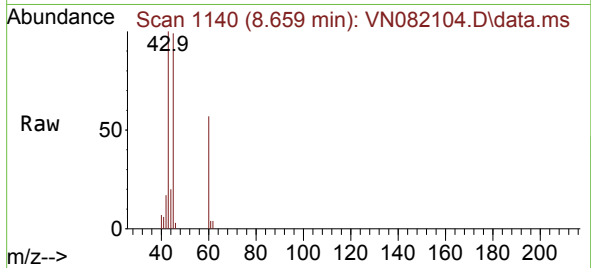




#44
Isopropyl Acetate
Concen: 2.870 ug/l
RT: 8.659 min Scan# 1145
Delta R.T. -0.030 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

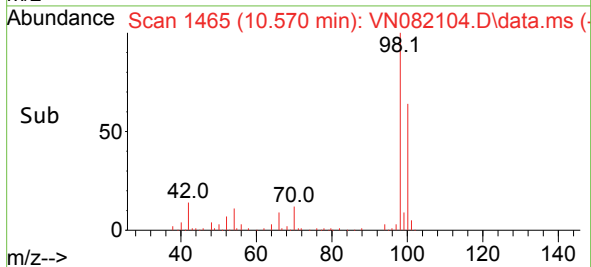
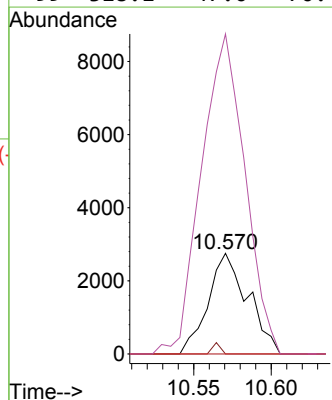
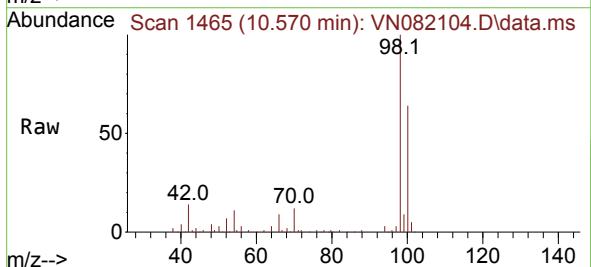
Instrument :
MSVOA_N
ClientSampleId :
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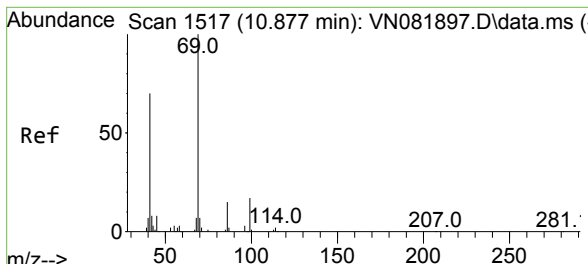
Tgt Ion: 43 Resp: 11830
Ion Ratio Lower Upper
43 100
61 1.3 25.0 37.4#



#50
1,1,2-Trichloroethane
Concen: 3.325 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

Tgt Ion: 97 Resp: 4902
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 318.1 47.0 70.4#

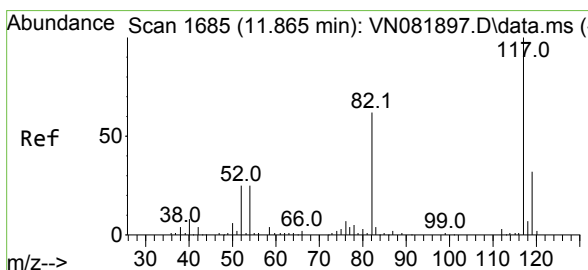
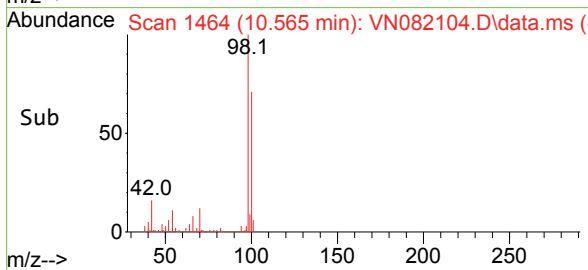
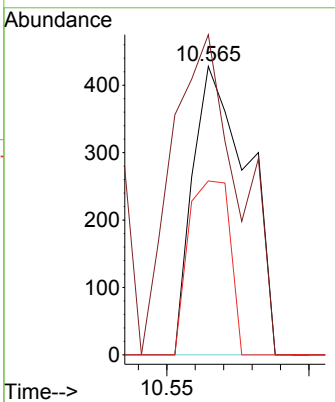
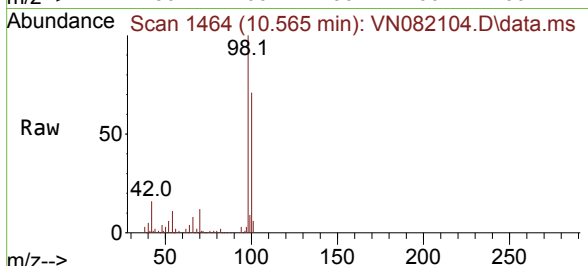




#51
 Ethyl methacrylate
 Concen: 0.206 ug/l
 RT: 10.565 min Scan# 14
 Delta R.T. -0.312 min
 Lab File: VN082104.D
 Acq: 13 May 2024 18:21

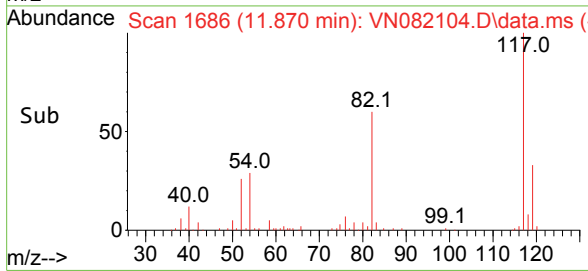
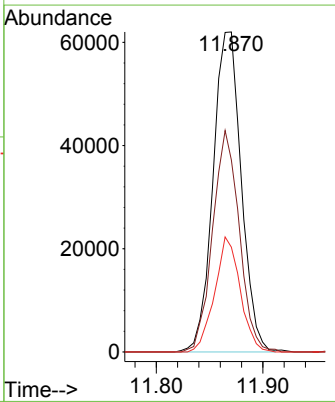
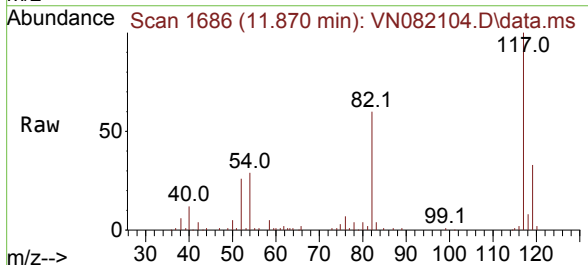
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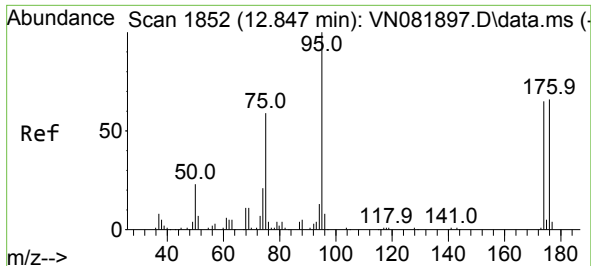
Tgt Ion:	69	Resp:	574
Ion	Ratio	Lower	Upper
69	100		
41	111.0	25.5	76.5#
39	60.3	16.0	47.9#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN082104.D
 Acq: 13 May 2024 18:21

Tgt Ion:	117	Resp:	114142
Ion	Ratio	Lower	Upper
117	100		
82	65.2	46.6	69.8
119	32.5	25.4	38.2

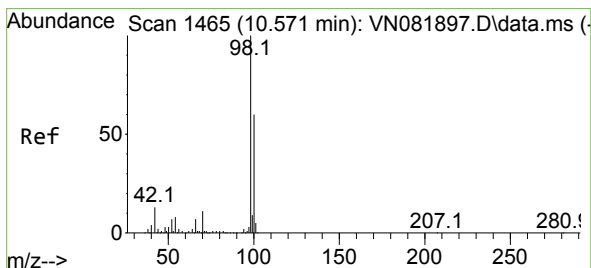
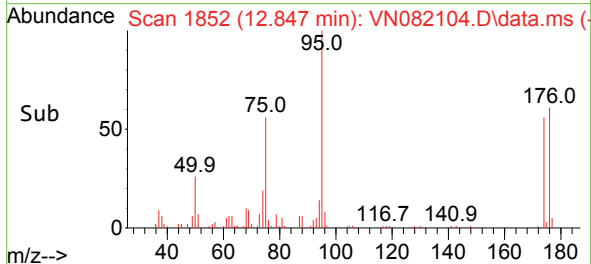
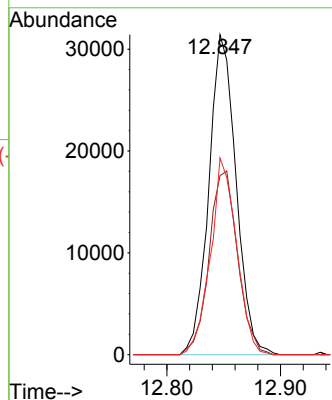
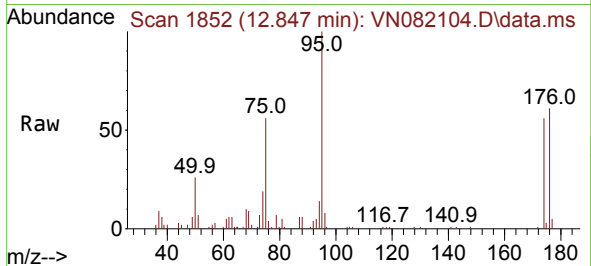




#60
4-Bromofluorobenzene
Concen: 27.566 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

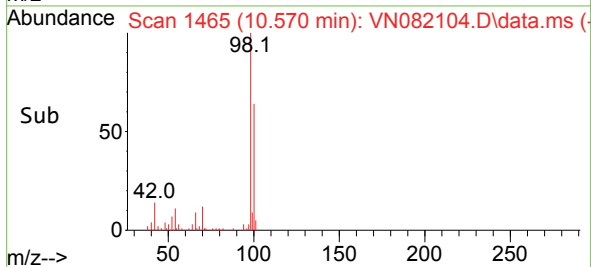
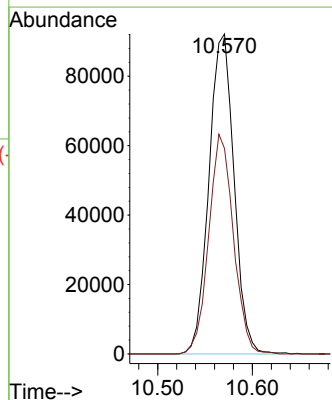
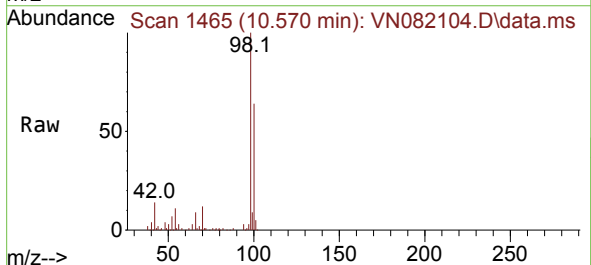
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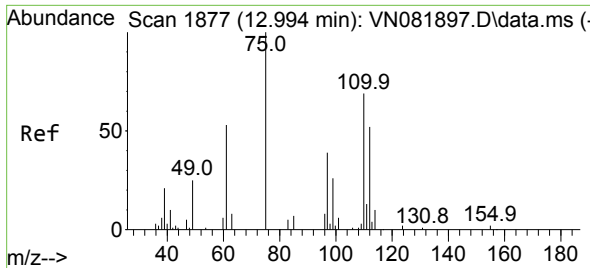
Tgt Ion: 95 Resp: 52363
Ion Ratio Lower Upper
95 100
174 60.3 60.5 90.7#
176 59.1 57.8 86.6



#63
Toluene-d8
Concen: 31.377 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

Tgt Ion: 98 Resp: 170084
Ion Ratio Lower Upper
98 100
100 67.3 52.7 79.1

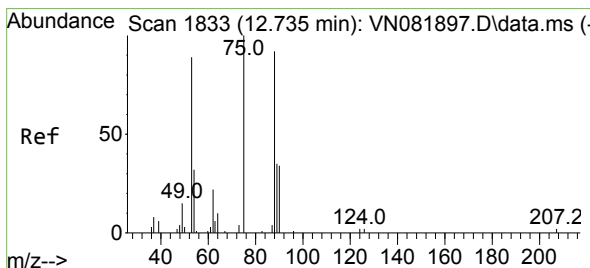
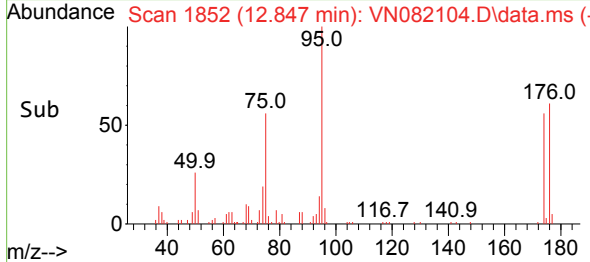
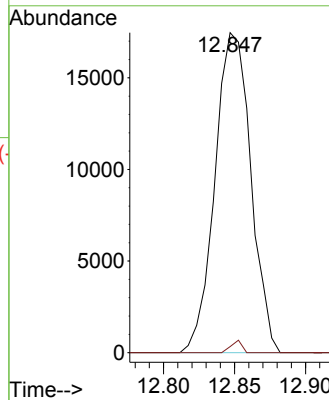
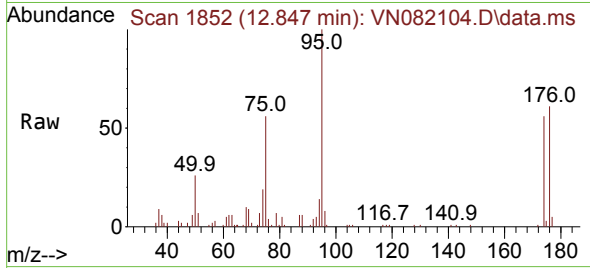




#72
1,2,3-Trichloropropane
Concen: 17.435 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :
240430037-01-TRIP-BLANK

Tgt Ion: 75 Resp: 30763
Ion Ratio Lower Upper
75 100
77 1.2 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 39.171 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN082104.D
Acq: 13 May 2024 18:21

Tgt Ion: 75 Resp: 30763
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

