

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084514.D
 Acq On : 25 Oct 2024 14:27
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Oct 26 05:29:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

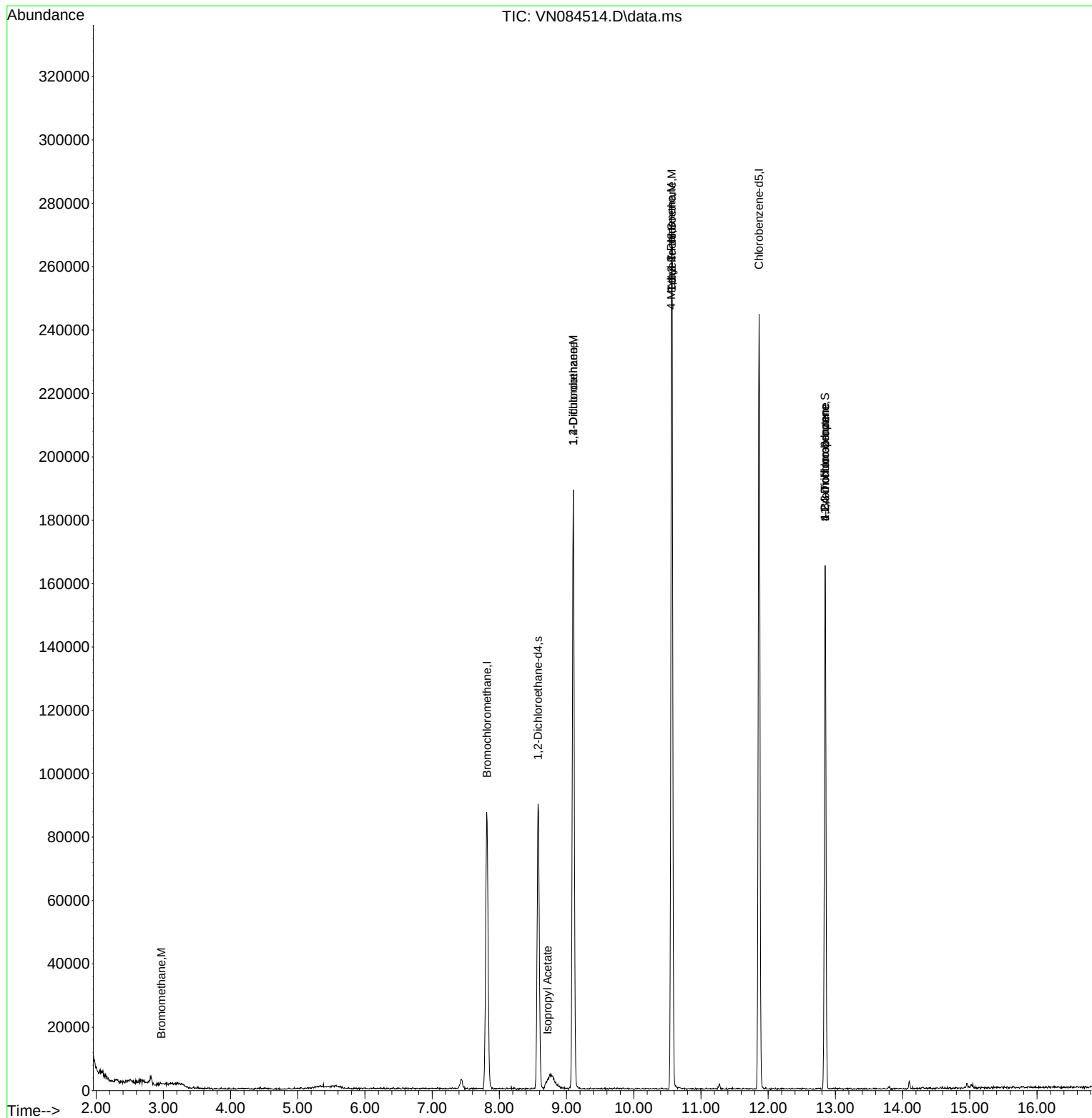
Internal Standards						
1) Bromochloromethane	7.818	128	31809	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	158755	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	141172	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76383	29.826	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.433%
60) 4-Bromofluorobenzene	12.847	95	57373	24.624	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.067%
63) Toluene-d8	10.565	98	187562	28.679	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	336	0.234	ug/l #	45
36) 1,2-Dichloroethane	9.100	62	5813	2.138	ug/l #	75
44) Isopropyl Acetate	8.718	43	1787	0.399	ug/l #	48
50) 1,1,2-Trichloroethane	10.565	97	6359	3.403	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	1046	0.398	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	29508	13.288	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	29508	31.097	ug/l #	12

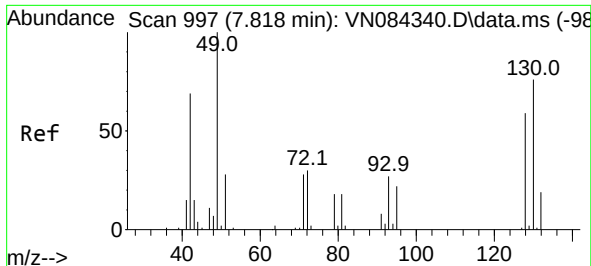
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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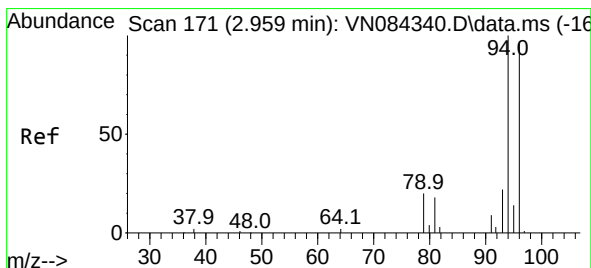
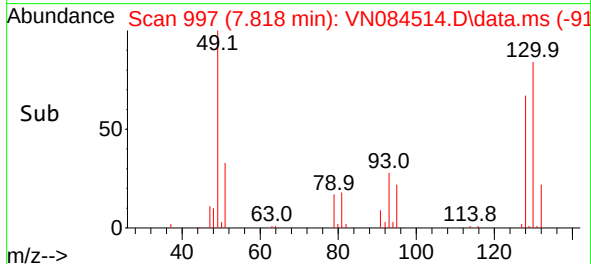
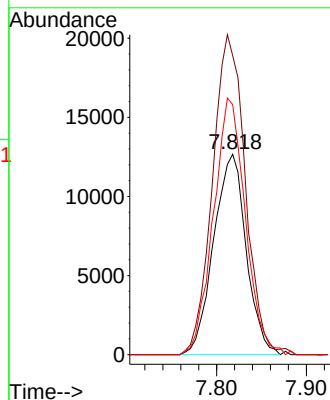
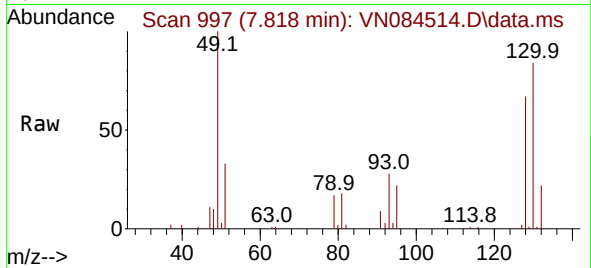




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

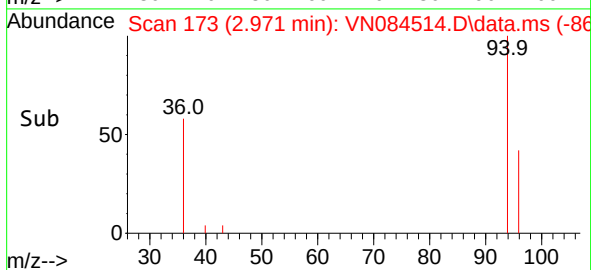
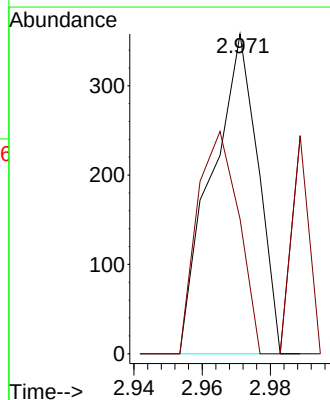
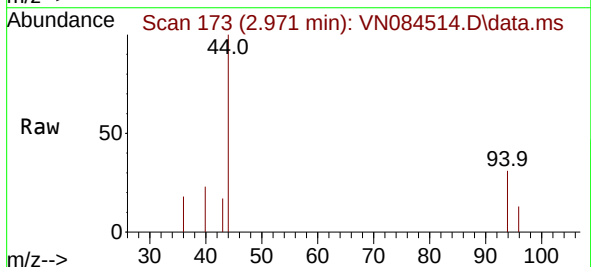
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

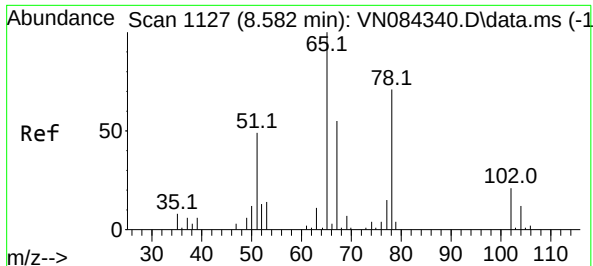
Tgt Ion:128 Resp: 31809
Ion Ratio Lower Upper
128 100
49 160.1 0.0 430.0
130 125.5 0.0 329.8



#5
Bromomethane
Concen: 0.234 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.012 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

Tgt Ion: 94 Resp: 336
Ion Ratio Lower Upper
94 100
96 42.2 76.7 115.1#

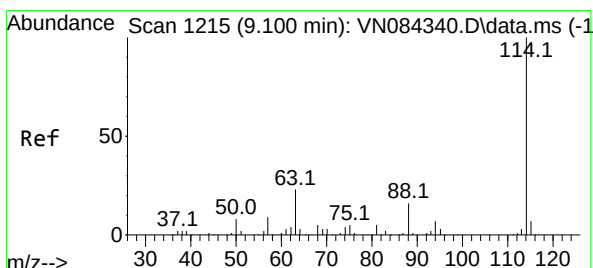
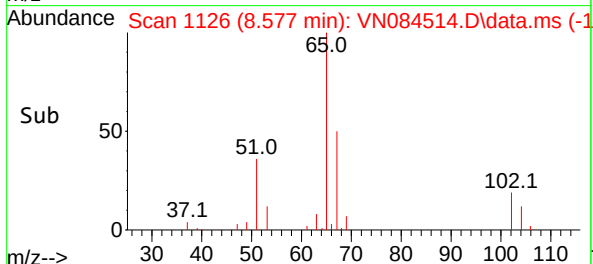
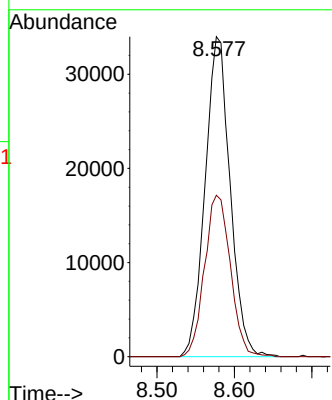
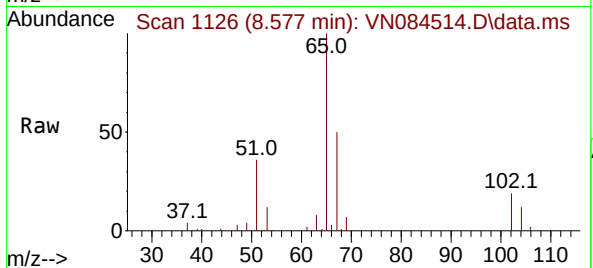




#27
 1,2-Dichloroethane-d4
 Concen: 29.826 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN084514.D
 Acq: 25 Oct 2024 14:27

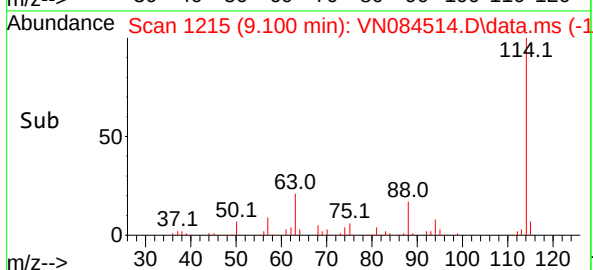
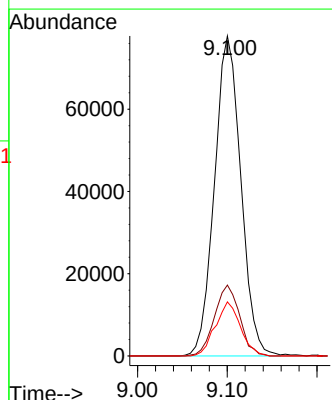
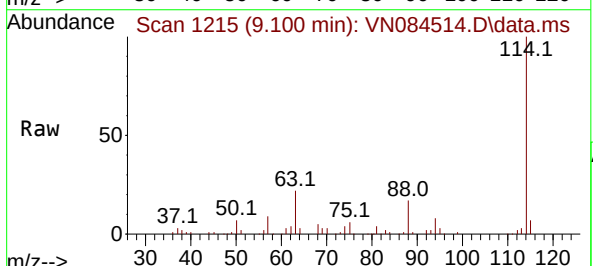
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

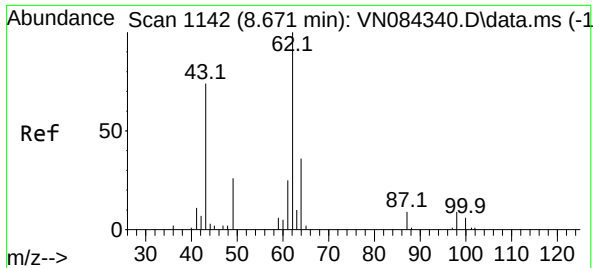
Tgt Ion: 65 Resp: 76383
 Ion Ratio Lower Upper
 65 100
 67 52.1 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084514.D
 Acq: 25 Oct 2024 14:27

Tgt Ion: 114 Resp: 158755
 Ion Ratio Lower Upper
 114 100
 63 21.1 17.4 26.0
 88 16.1 13.2 19.8

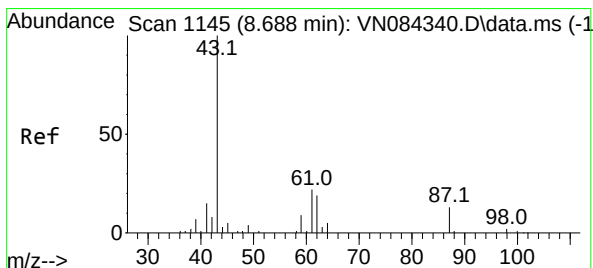
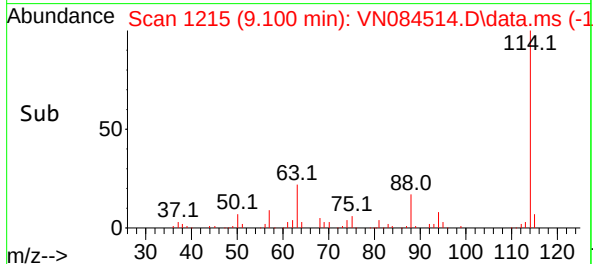
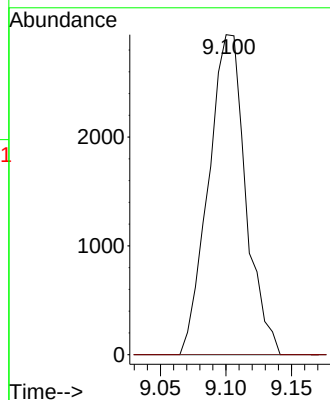
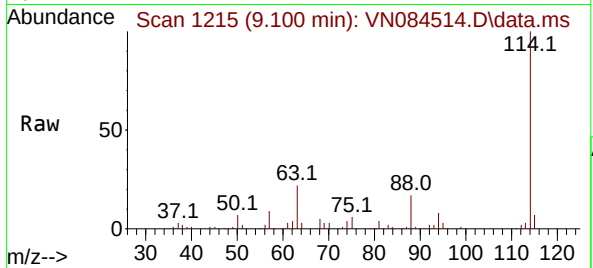




#36
1,2-Dichloroethane
Concen: 2.138 ug/l
RT: 9.100 min Scan# 1150
Delta R.T. 0.429 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

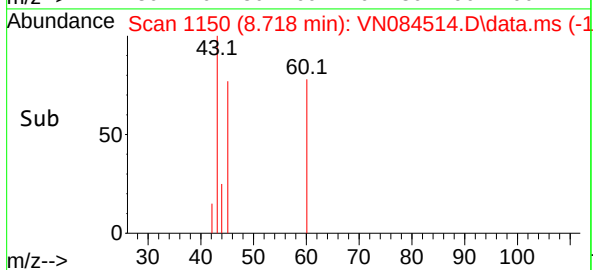
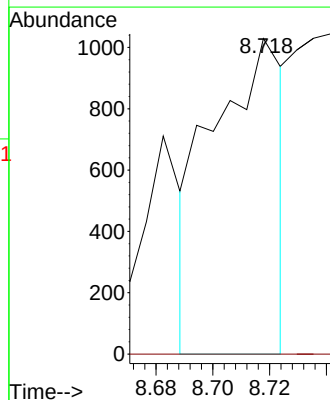
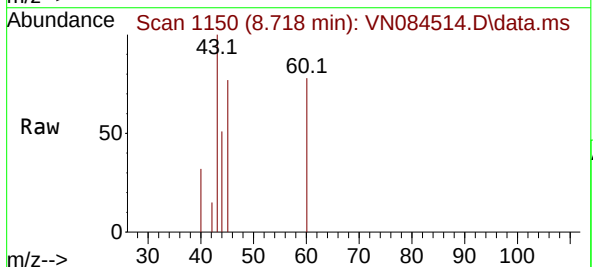
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

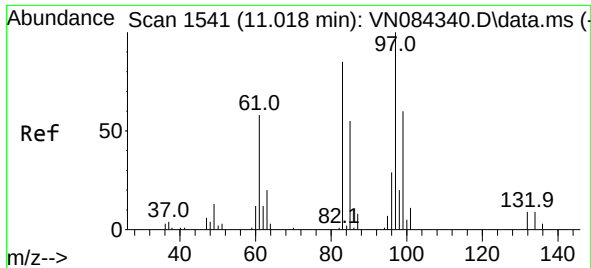
Tgt Ion: 62 Resp: 5813
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#44
Isopropyl Acetate
Concen: 0.399 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.029 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

Tgt Ion: 43 Resp: 1787
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.2#

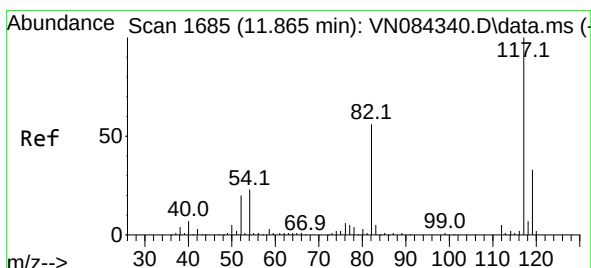
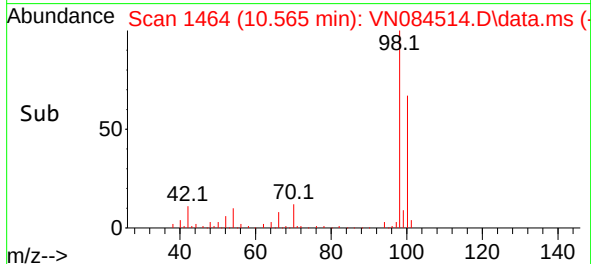
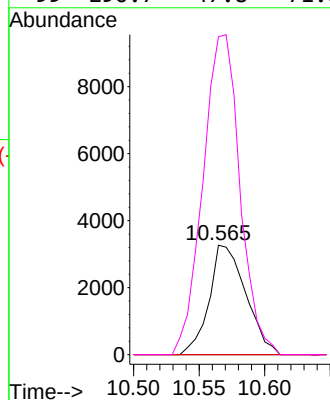
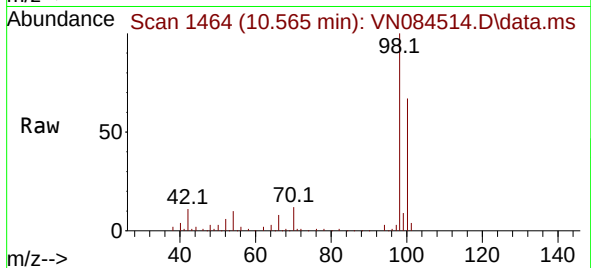




#50
1,1,2-Trichloroethane
Concen: 3.403 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.453 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

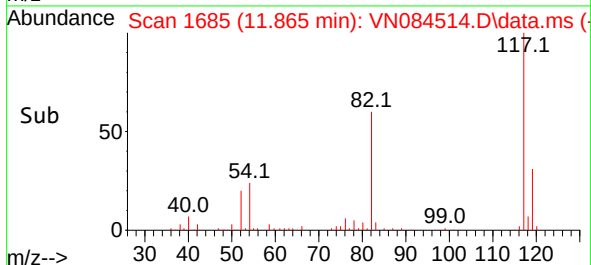
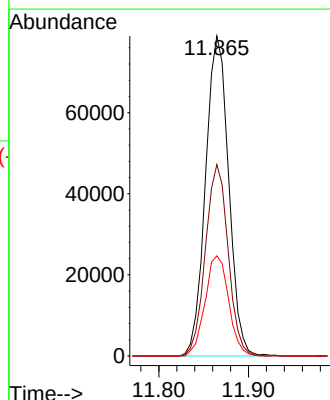
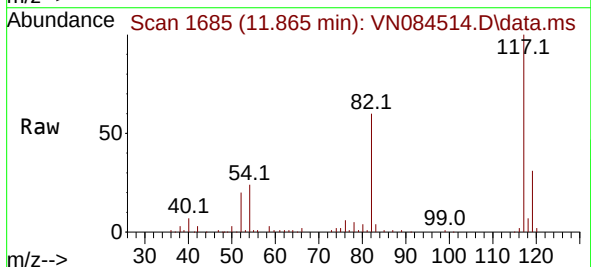
Instrument :
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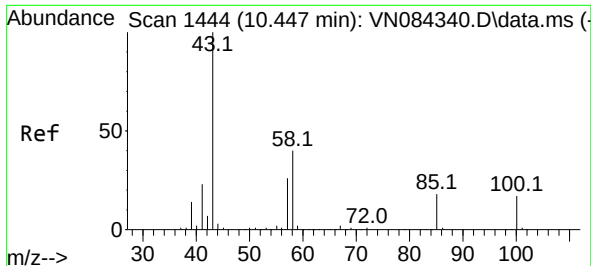
Tgt Ion: 97 Resp: 6359
Ion Ratio Lower Upper
97 100
83 0.0 67.8 101.8#
85 0.0 44.2 66.2#
99 290.7 47.8 71.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

Tgt Ion: 117 Resp: 141172
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 31.9 25.4 38.2

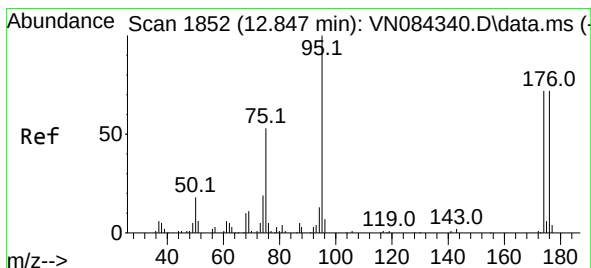
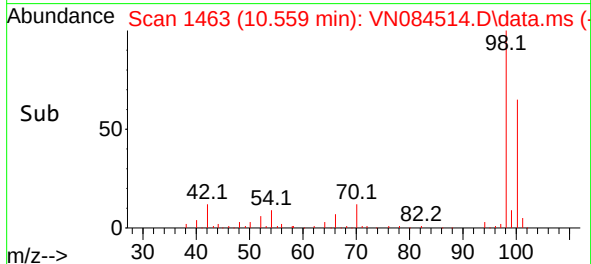
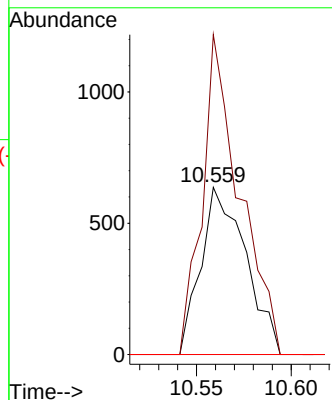
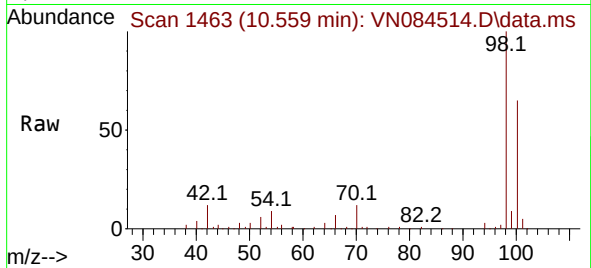




#58
4-Methyl-2-Pentanone
Concen: 0.398 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

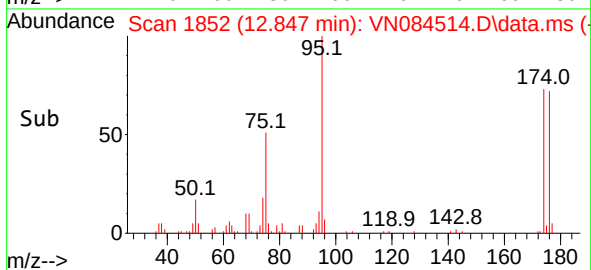
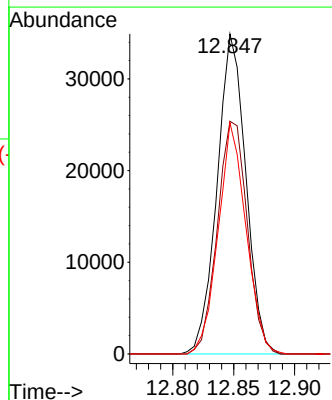
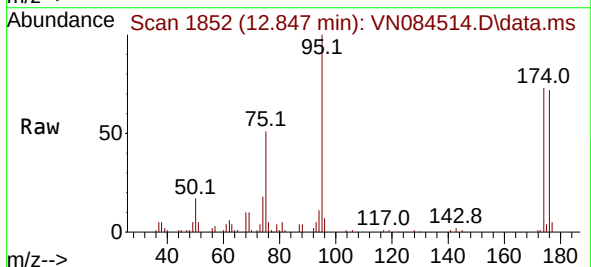
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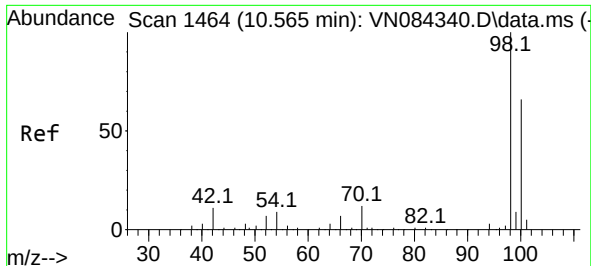
Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
58 160.0 31.9 47.9#
85 0.0 14.6 22.0#



#60
4-Bromofluorobenzene
Concen: 24.624 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

Tgt Ion: 95 Resp: 57373
Ion Ratio Lower Upper
95 100
174 75.6 58.2 87.2
176 70.1 56.4 84.6

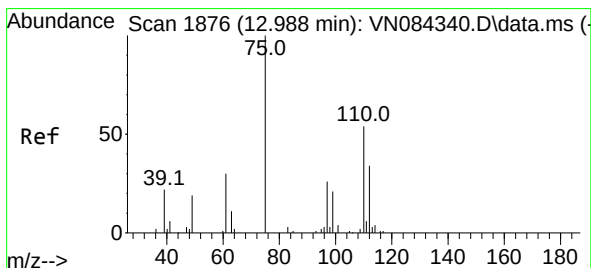
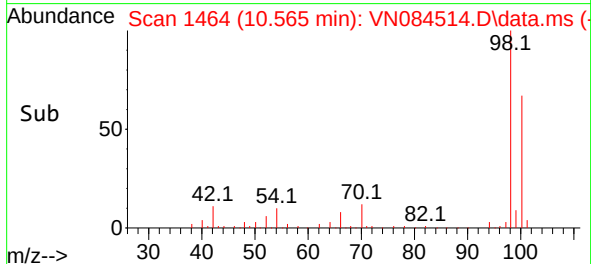
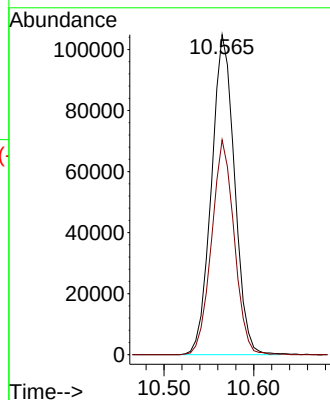
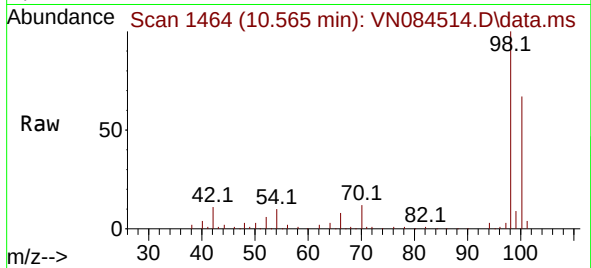




#63
Toluene-d8
Concen: 28.679 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

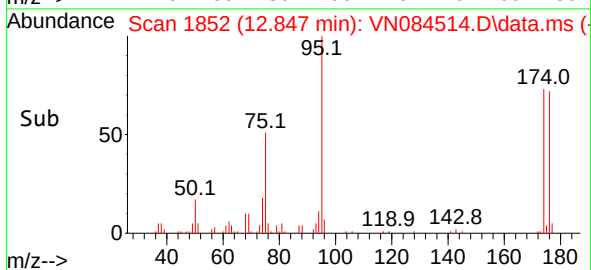
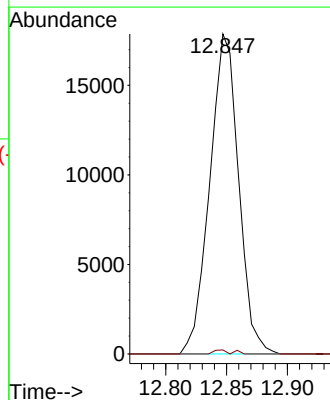
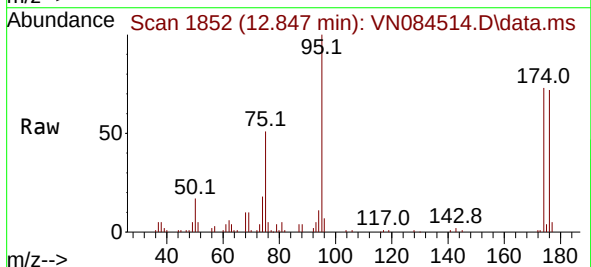
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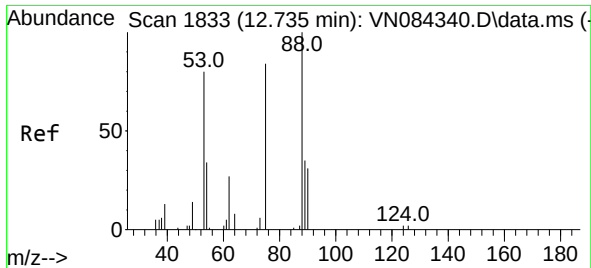
Tgt Ion: 98 Resp: 187562
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 13.288 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084514.D
Acq: 25 Oct 2024 14:27

Tgt Ion: 75 Resp: 29508
Ion Ratio Lower Upper
75 100
77 0.5 0.0 414.0





#77

t-1,4-Dichloro-2-butene

Concen: 31.097 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN084514.D

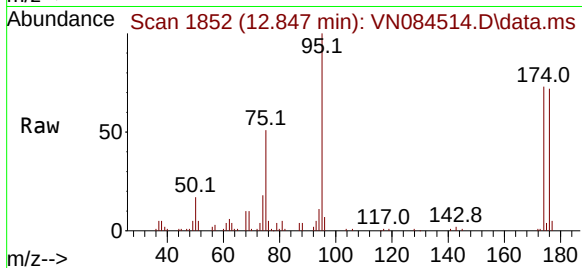
Acq: 25 Oct 2024 14:27

Instrument :

MSVOA_N

ClientSampleId :

VIBLK



Tgt Ion: 75 Resp: 29508

Ion Ratio Lower Upper

75 100

53 0.0 47.3 142.0#

89 0.0 22.9 68.8#

