

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084318.D
 Acq On : 04 Oct 2024 15:56
 Operator : JC\MD
 Sample : P4271-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:00:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

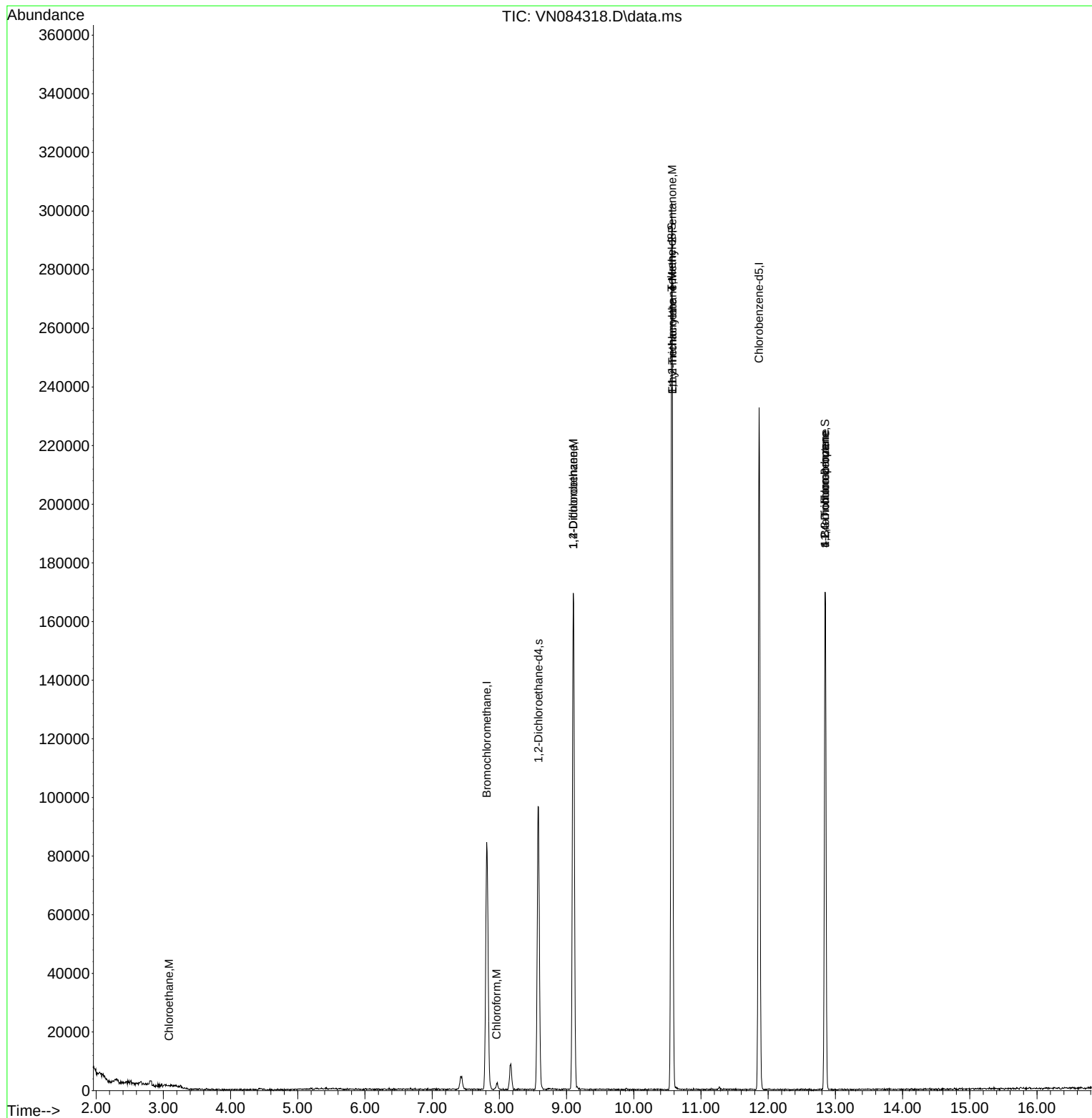
Internal Standards						
1) Bromochloromethane	7.812	128	29480	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	144412	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	134365	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	81614	30.287	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.967%
60) 4-Bromofluorobenzene	12.847	95	61679	26.635	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.767%
63) Toluene-d8	10.565	98	207351	33.328	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	111.100%
Target Compounds						
					Qvalue	
6) Chloroethane	3.083	64	396	0.280	ug/l #	41
25) Chloroform	7.959	83	1562	0.398	ug/l	98
36) 1,2-Dichloroethane	9.100	62	5233	2.025	ug/l #	72
50) 1,1,2-Trichloroethane	10.576	97	6819	4.431	ug/l #	1
51) Ethyl methacrylate	10.576	69	692	0.263	ug/l	89
58) 4-Methyl-2-Pentanone	10.571	43	951	0.446	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	31936	16.160	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	31936	38.232	ug/l #	12

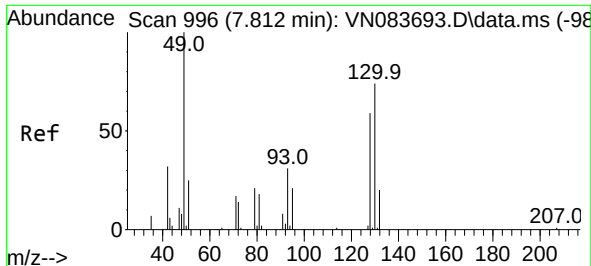
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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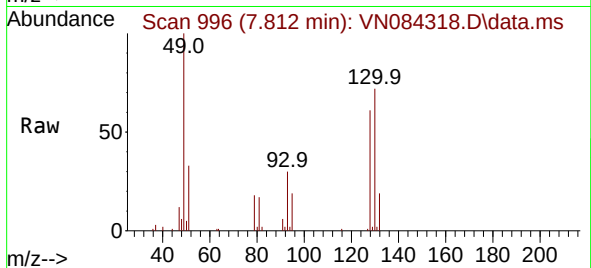
Quant Time: Oct 04 23:00:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



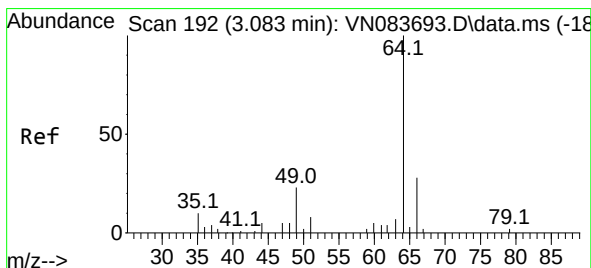
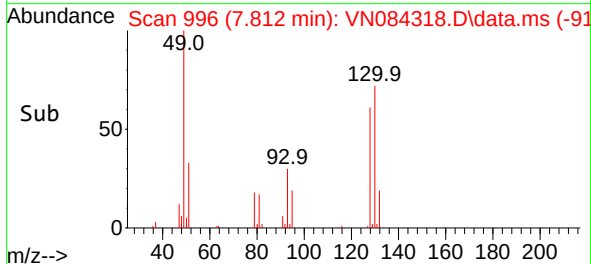
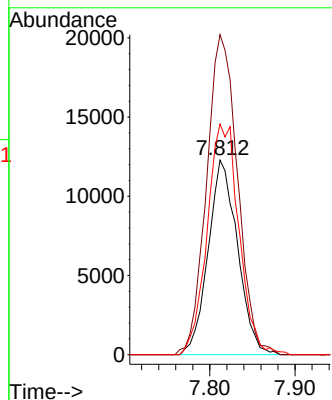


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :

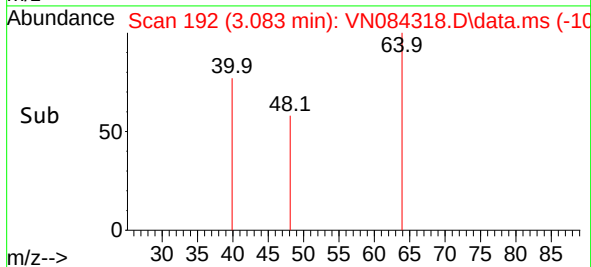
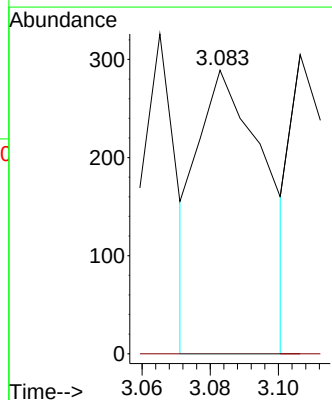
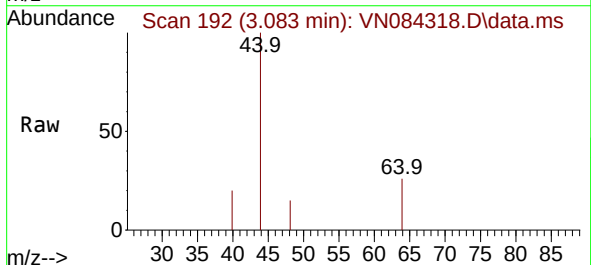


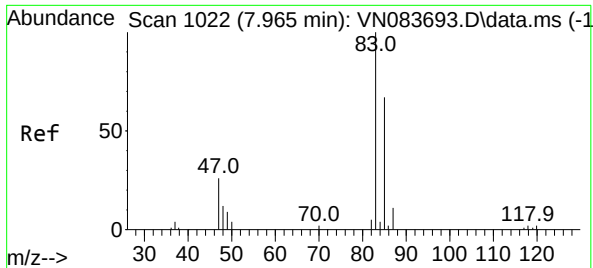
Tgt Ion:128 Resp: 29480
Ion Ratio Lower Upper
128 100
49 172.3 0.0 403.7
130 128.5 0.0 323.3



#6
Chloroethane
Concen: 0.280 ug/l
RT: 3.083 min Scan# 192
Delta R.T. 0.000 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

Tgt Ion: 64 Resp: 396
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

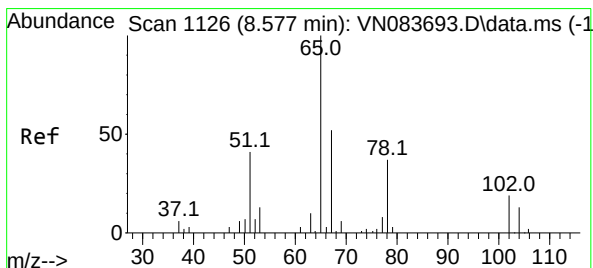
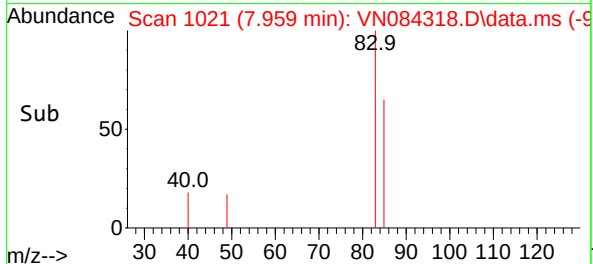
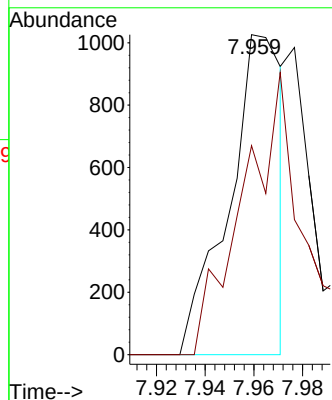
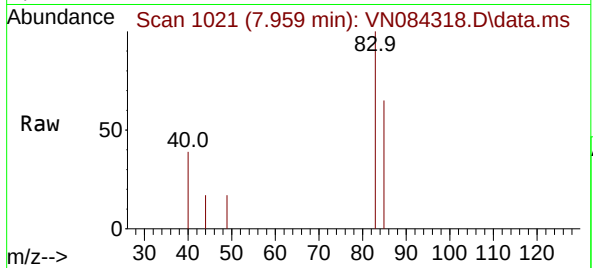




#25
Chloroform
Concen: 0.398 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

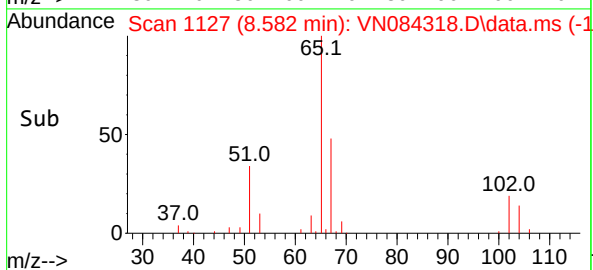
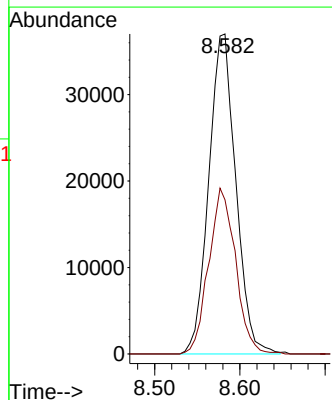
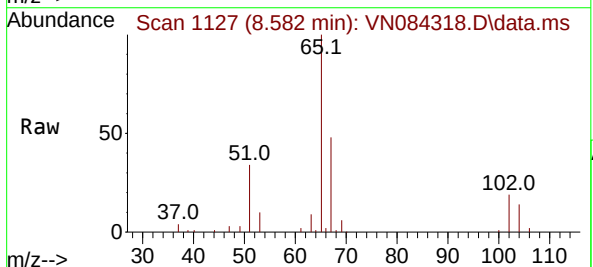
Instrument :
MSVOA_N
ClientSampleId :

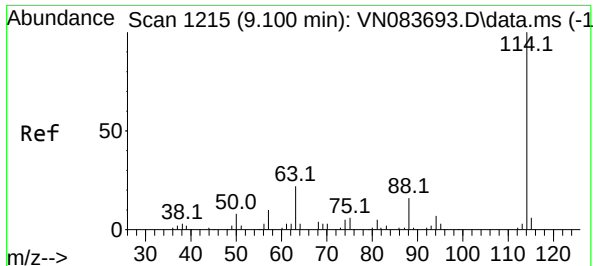
Tgt Ion: 83 Resp: 1562
Ion Ratio Lower Upper
83 100
85 65.3 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 30.287 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

Tgt Ion: 65 Resp: 81614
Ion Ratio Lower Upper
65 100
67 51.4 43.2 64.8

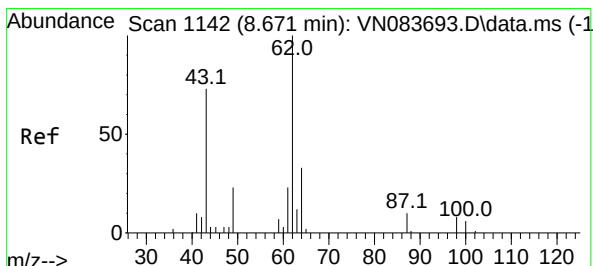
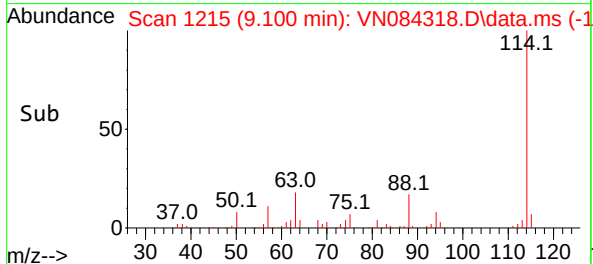
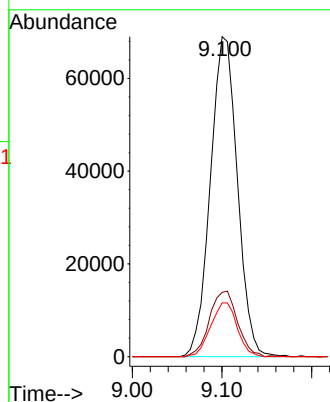
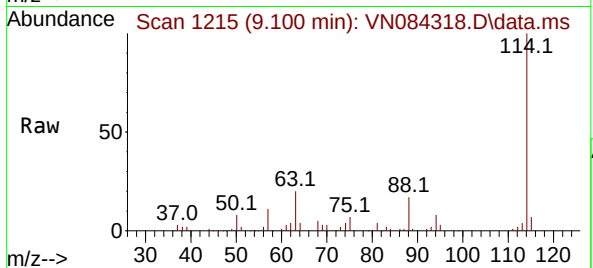




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

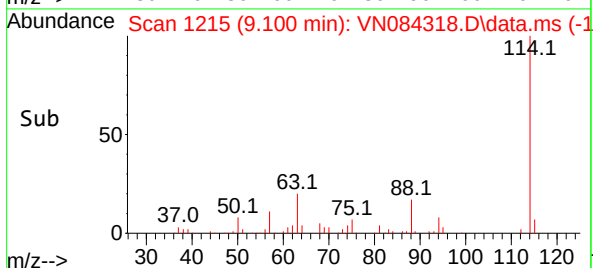
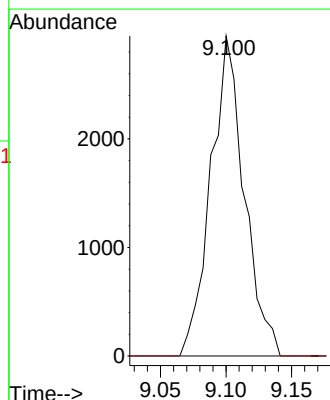
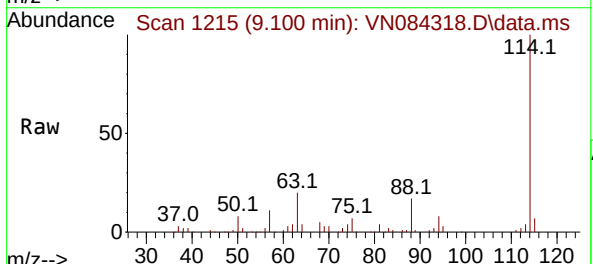
Instrument :
MSVOA_N
ClientSampleId :

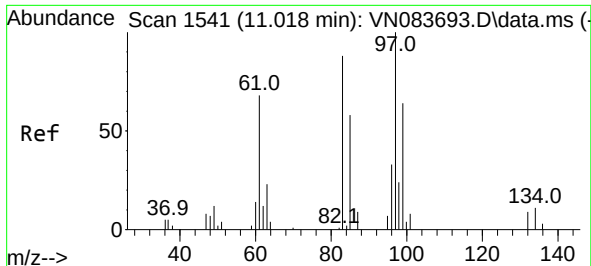
Tgt Ion:114 Resp: 144412
Ion Ratio Lower Upper
114 100
63 21.2 15.9 23.9
88 16.5 12.7 19.1



#36
1,2-Dichloroethane
Concen: 2.025 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

Tgt Ion: 62 Resp: 5233
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#





#50

1,1,2-Trichloroethane

Concen: 4.431 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

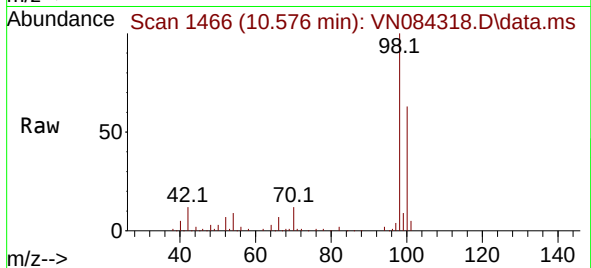
Lab File: VN084318.D

Acq: 04 Oct 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 6819

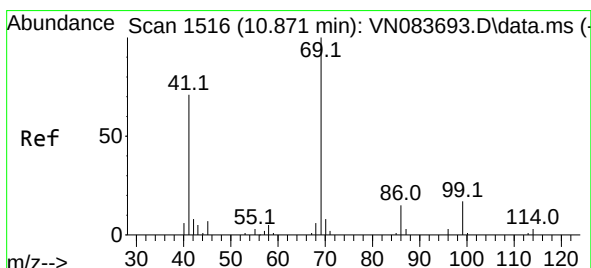
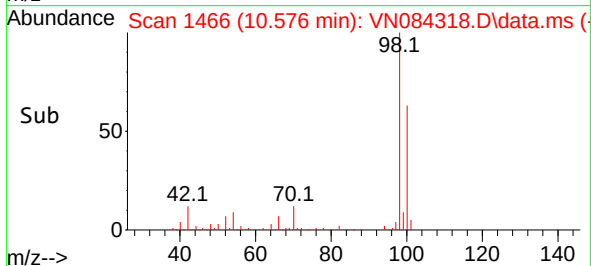
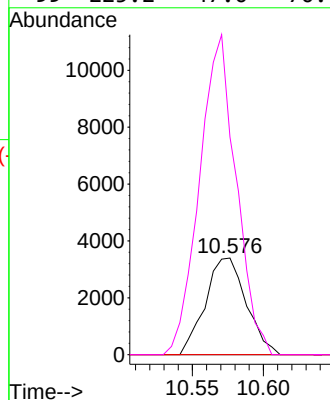
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 225.2 47.0 70.4#



#51

Ethyl methacrylate

Concen: 0.263 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.294 min

Lab File: VN084318.D

Acq: 04 Oct 2024 15:56

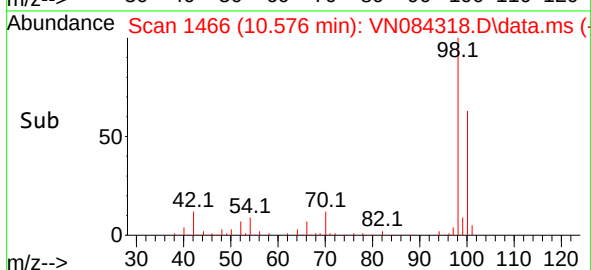
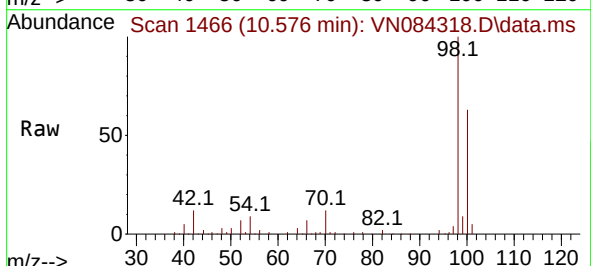
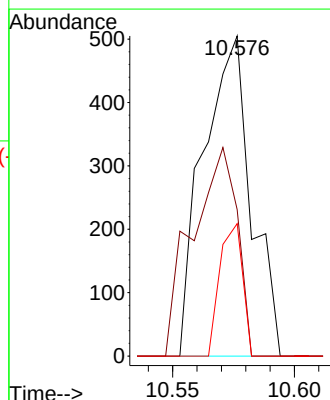
Tgt Ion: 69 Resp: 692

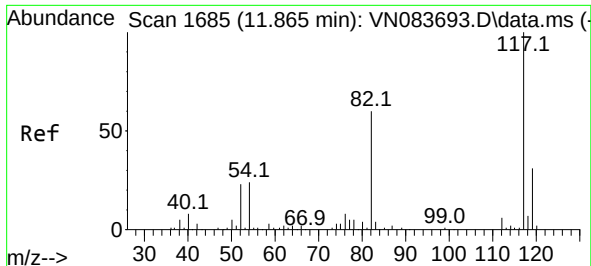
Ion Ratio Lower Upper

69 100

41 45.7 25.5 76.5

39 41.4 16.0 47.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084318.D

Acq: 04 Oct 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

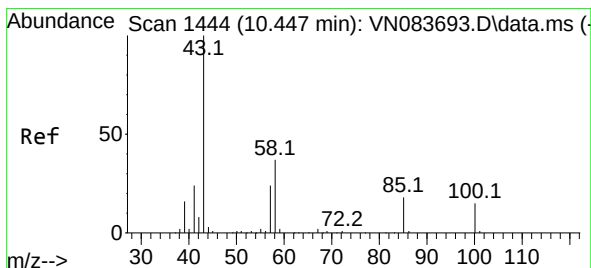
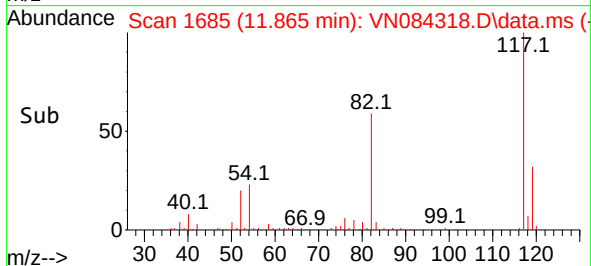
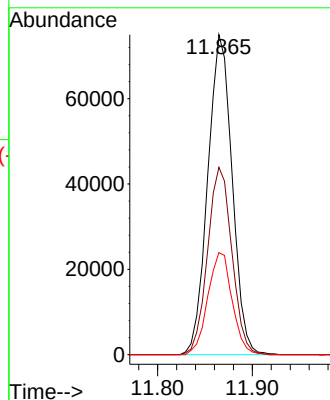
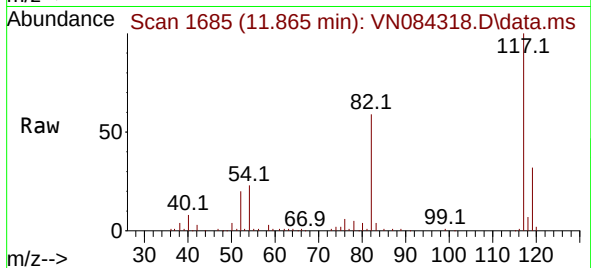
Tgt Ion:117 Resp: 134365

Ion Ratio Lower Upper

117 100

82 58.4 46.6 69.8

119 31.8 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.446 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.124 min

Lab File: VN084318.D

Acq: 04 Oct 2024 15:56

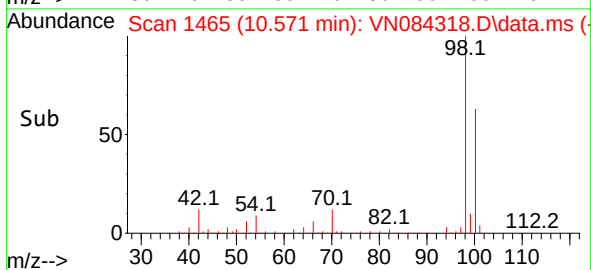
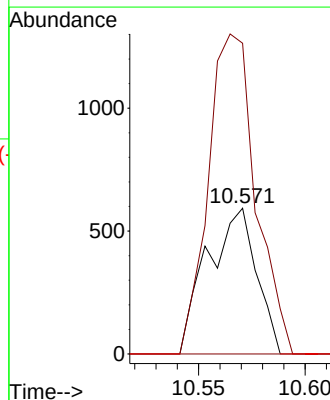
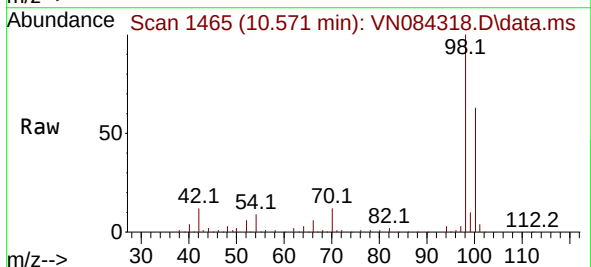
Tgt Ion: 43 Resp: 951

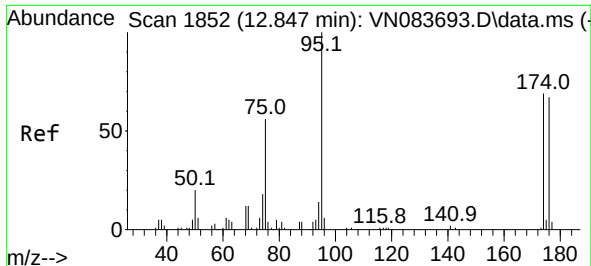
Ion Ratio Lower Upper

43 100

58 212.3 36.5 54.7#

85 0.0 19.5 29.3#

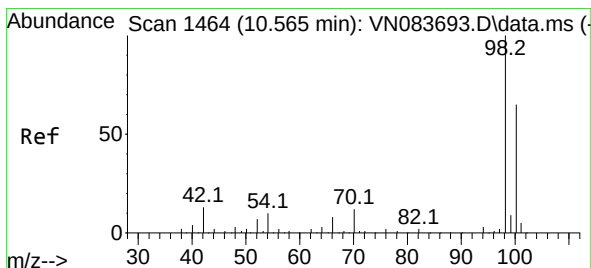
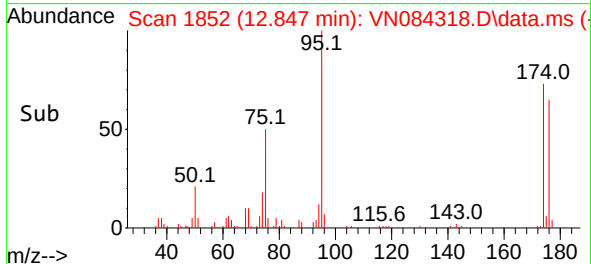
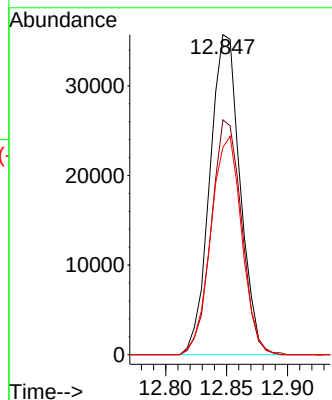
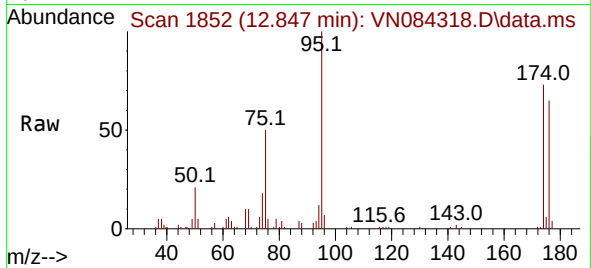




#60
4-Bromofluorobenzene
Concen: 26.635 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

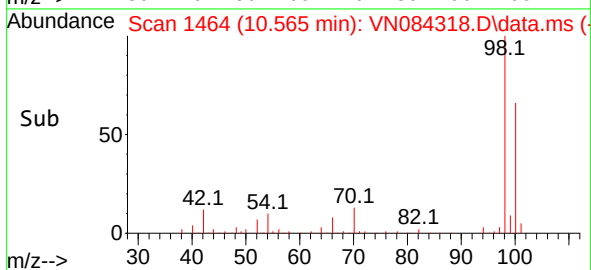
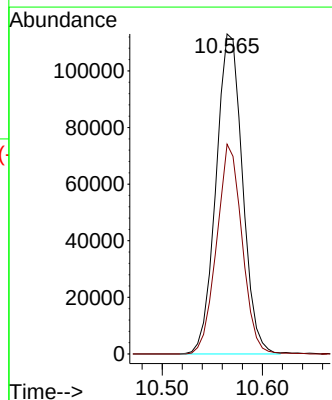
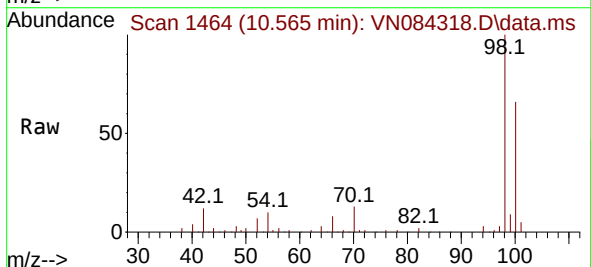
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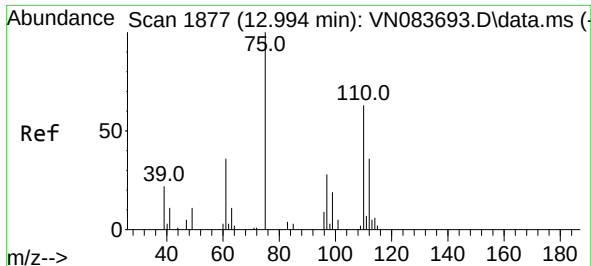
Tgt Ion: 95 Resp: 61679
Ion Ratio Lower Upper
95 100
174 73.6 60.5 90.7
176 69.8 57.8 86.6



#63
Toluene-d8
Concen: 33.328 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

Tgt Ion: 98 Resp: 207351
Ion Ratio Lower Upper
98 100
100 62.9 52.7 79.1

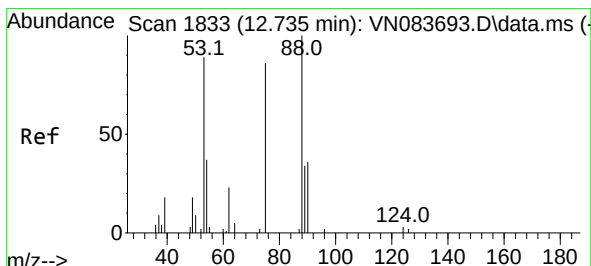
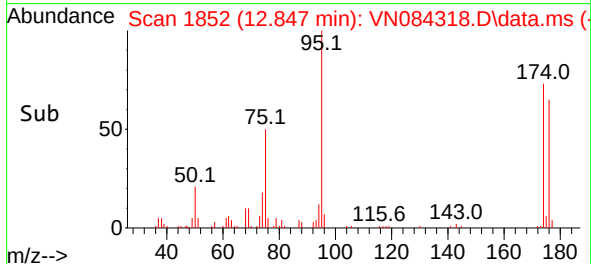
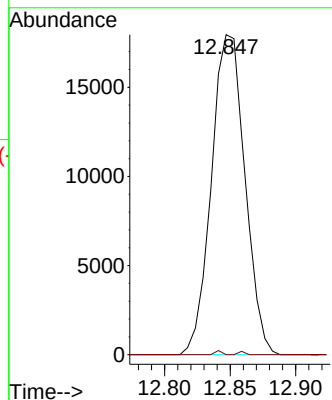
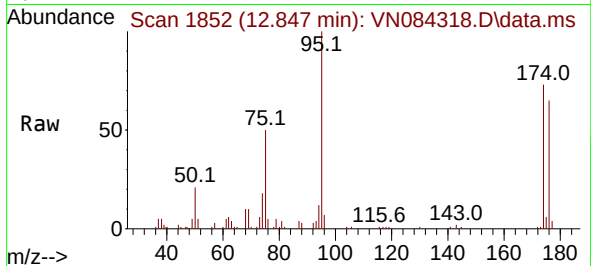




#72
1,2,3-Trichloropropane
Concen: 16.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 31936
Ion Ratio Lower Upper
75 100
77 0.0 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 38.232 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084318.D
Acq: 04 Oct 2024 15:56

Tgt Ion: 75 Resp: 31936
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

