

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084316.D
 Acq On : 04 Oct 2024 15:09
 Operator : JC\MD
 Sample : P4271-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 22:59:45 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)

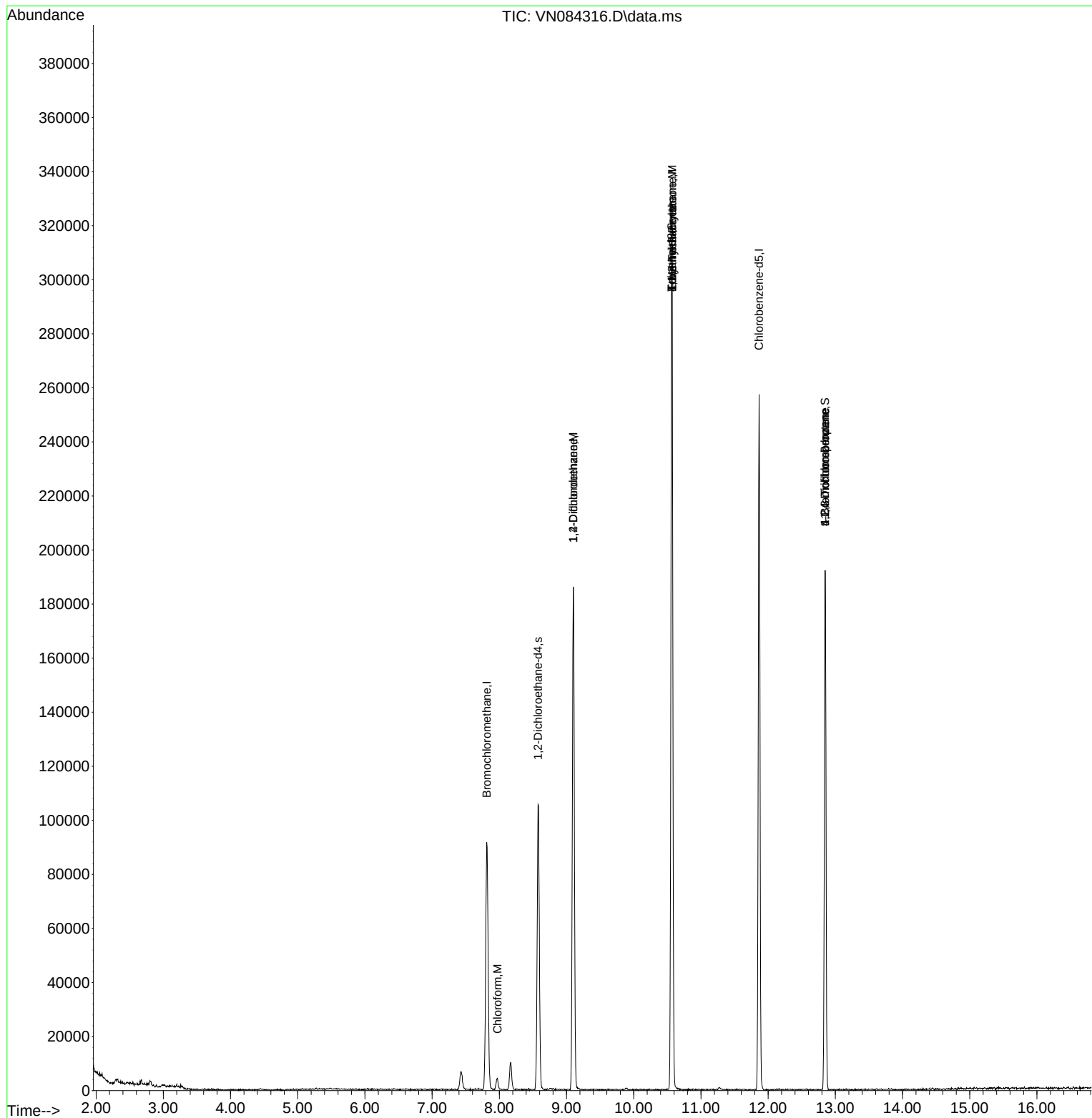
Internal Standards						
1) Bromochloromethane	7.812	128	32469	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	156763	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	145352	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	88901	29.954	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.833%
60) 4-Bromofluorobenzene	12.847	95	67443	26.922	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.733%
63) Toluene-d8	10.565	98	229659	34.123	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	113.733%#
Target Compounds						
					Qvalue	
25) Chloroform	7.971	83	4028	0.932	ug/l	99
36) 1,2-Dichloroethane	9.100	62	6679	2.381	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	7271	4.352	ug/l #	1
51) Ethyl methacrylate	10.571	69	864	0.303	ug/l #	62
58) 4-Methyl-2-Pentanone	10.571	43	1075	0.466	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	36330	16.994	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	36330	40.204	ug/l #	12

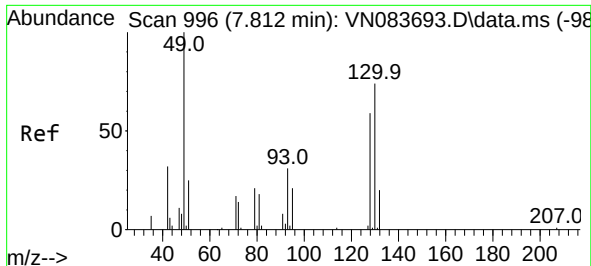
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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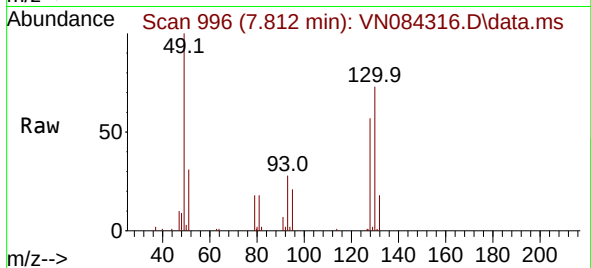
Quant Time: Oct 04 22:59:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
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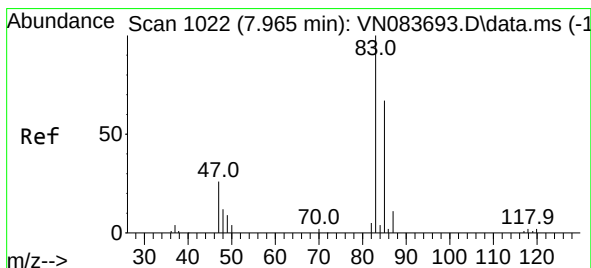
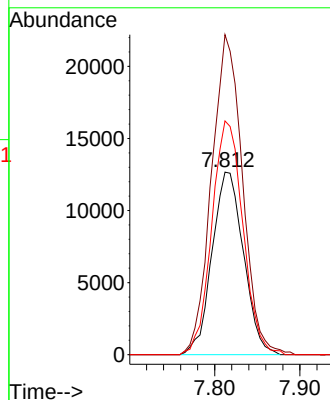
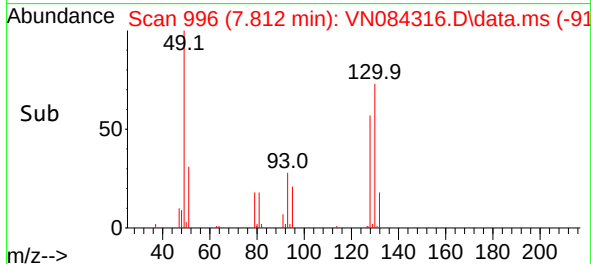


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084316.D
Acq: 04 Oct 2024 15:09

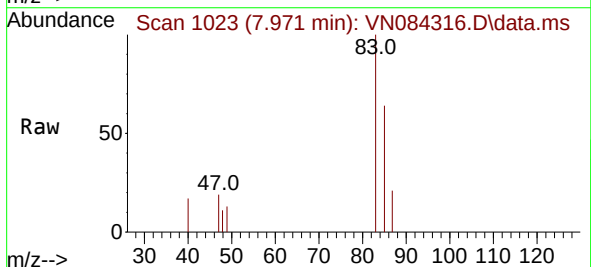
Instrument :
MSVOA_N
ClientSampleId :



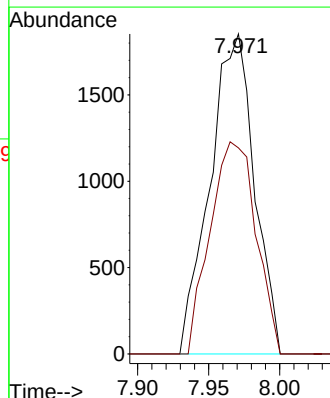
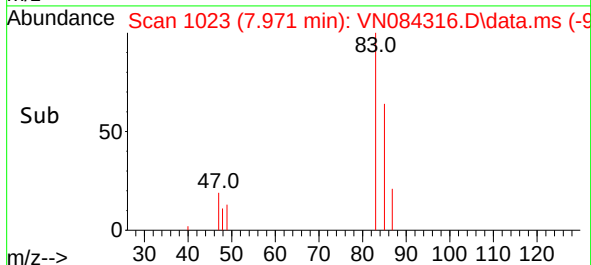
Tgt Ion:128 Resp: 32469
Ion Ratio Lower Upper
128 100
49 172.5 0.0 403.7
130 126.5 0.0 323.3

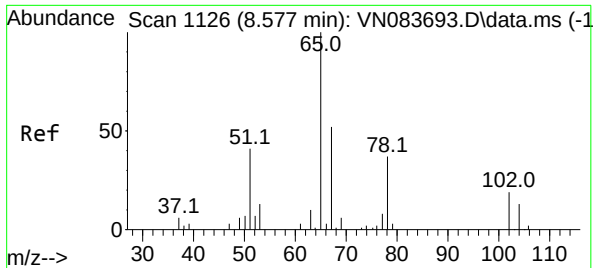


#25
Chloroform
Concen: 0.932 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084316.D
Acq: 04 Oct 2024 15:09



Tgt Ion: 83 Resp: 4028
Ion Ratio Lower Upper
83 100
85 64.4 50.9 76.3

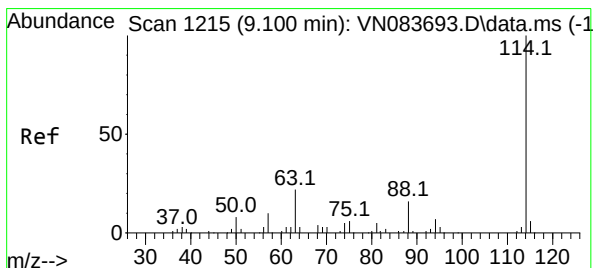
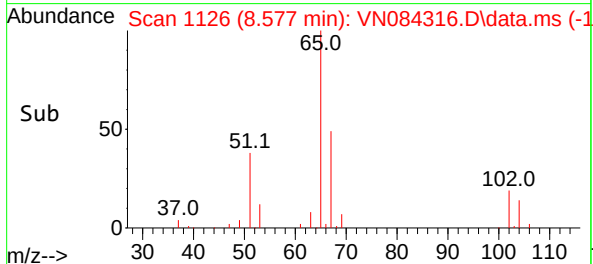
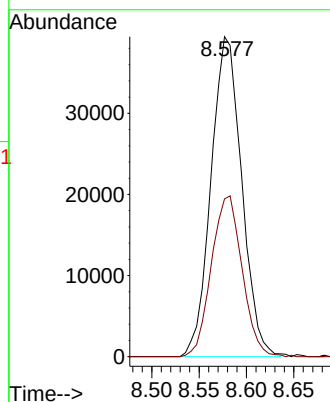
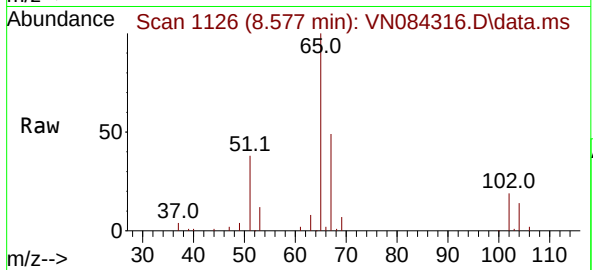




#27
 1,2-Dichloroethane-d4
 Concen: 29.954 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084316.D
 Acq: 04 Oct 2024 15:09

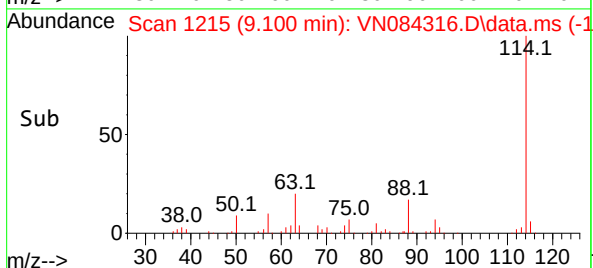
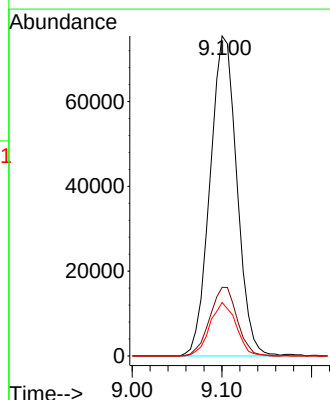
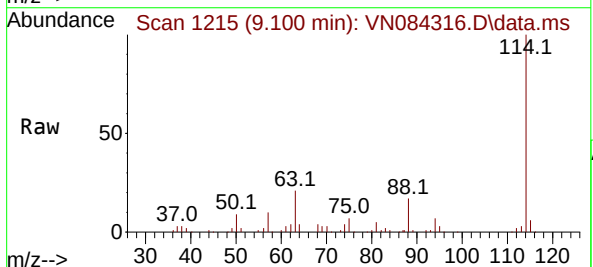
Instrument :
 MSVOA_N
 ClientSampleId :

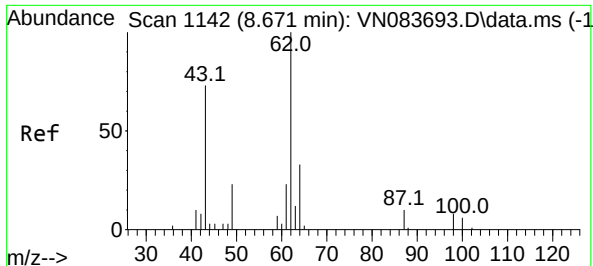
Tgt Ion: 65 Resp: 88901
 Ion Ratio Lower Upper
 65 100
 67 50.3 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084316.D
 Acq: 04 Oct 2024 15:09

Tgt Ion: 114 Resp: 156763
 Ion Ratio Lower Upper
 114 100
 63 21.9 15.9 23.9
 88 16.3 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.381 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.430 min

Lab File: VN084316.D

Acq: 04 Oct 2024 15:09

Instrument :

MSVOA_N

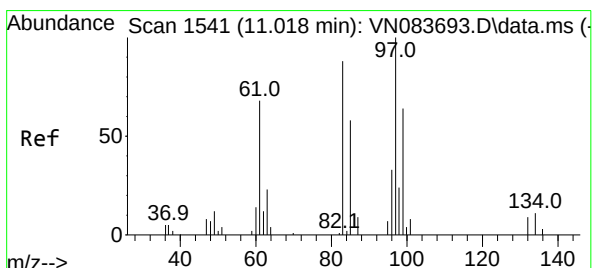
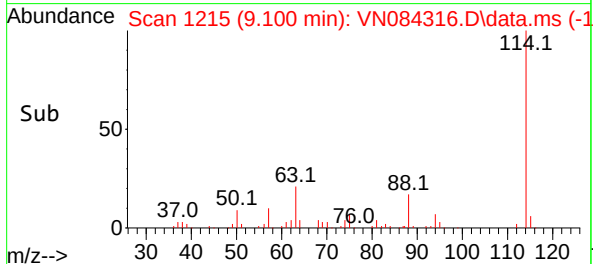
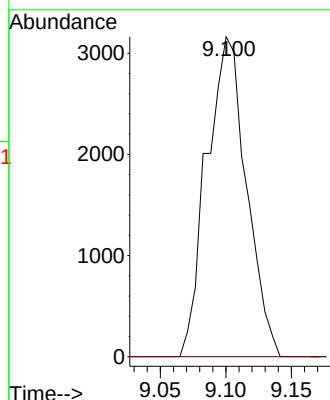
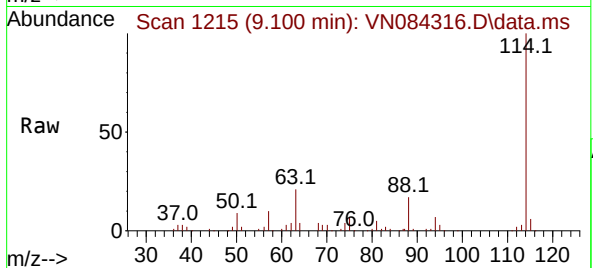
ClientSampleId :

Tgt Ion: 62 Resp: 6679

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#50

1,1,2-Trichloroethane

Concen: 4.352 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN084316.D

Acq: 04 Oct 2024 15:09

Tgt Ion: 97 Resp: 7271

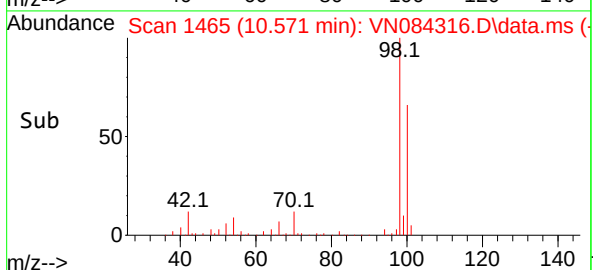
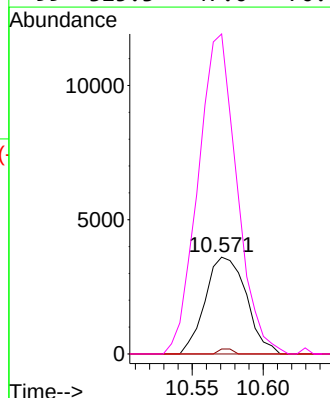
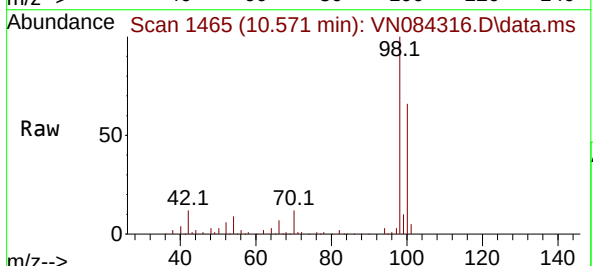
Ion Ratio Lower Upper

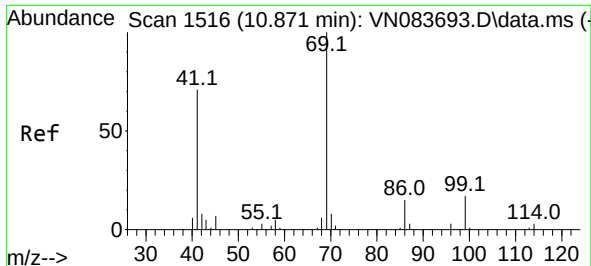
97 100

83 5.2 68.1 102.1#

85 0.0 41.8 62.6#

99 325.3 47.0 70.4#

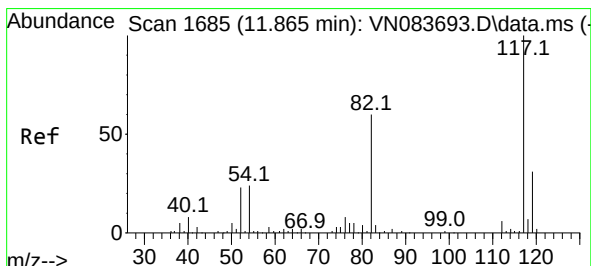
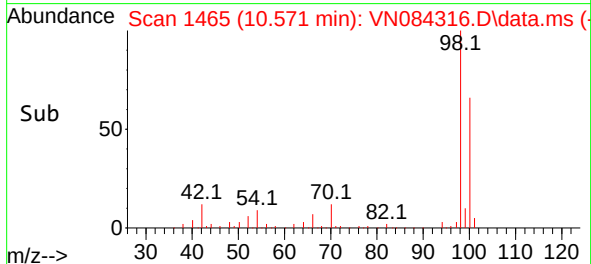
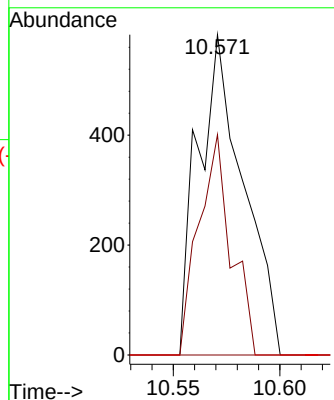
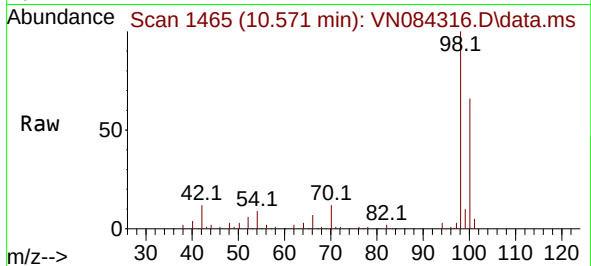




#51
Ethyl methacrylate
Concen: 0.303 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN084316.D
Acq: 04 Oct 2024 15:09

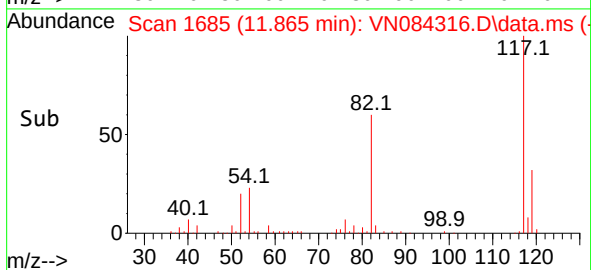
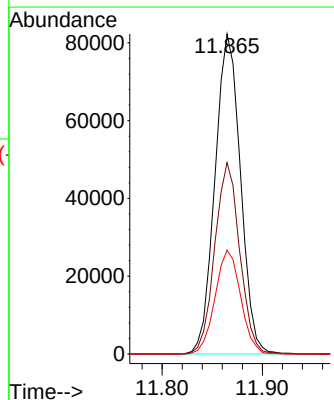
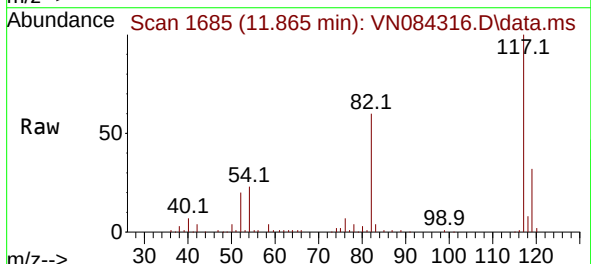
Instrument :
MSVOA_N
ClientSampleId :

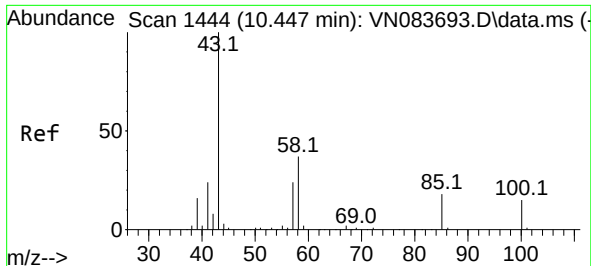
Tgt Ion: 69 Resp: 864
Ion Ratio Lower Upper
69 100
41 68.8 25.5 76.5
39 0.0 16.0 47.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084316.D
Acq: 04 Oct 2024 15:09

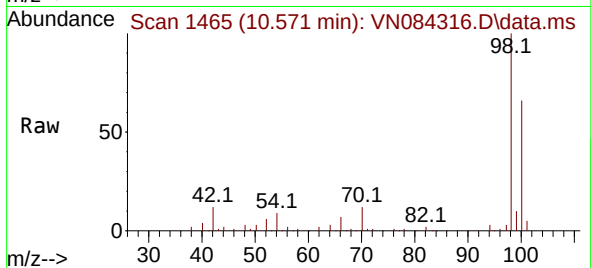
Tgt Ion: 117 Resp: 145352
Ion Ratio Lower Upper
117 100
82 58.5 46.6 69.8
119 32.5 25.4 38.2



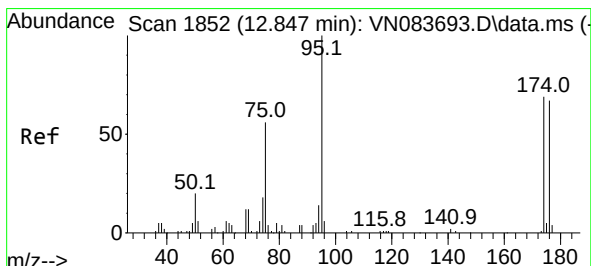
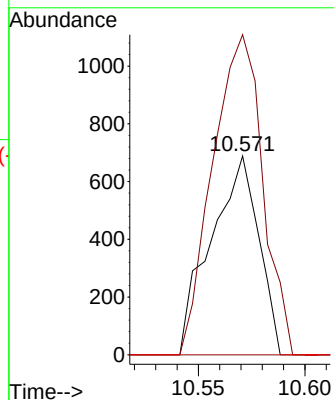
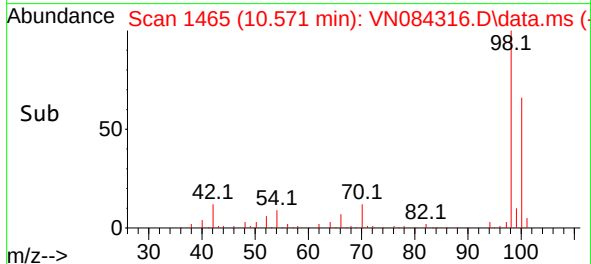


#58
4-Methyl-2-Pentanone
Concen: 0.466 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN084316.D
Acq: 04 Oct 2024 15:09

Instrument :
MSVOA_N
ClientSampleId :

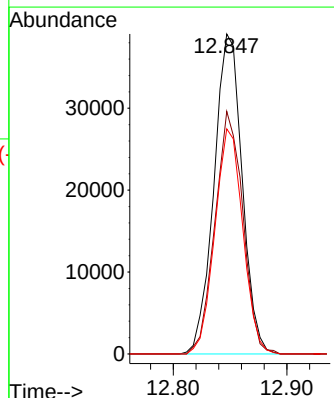
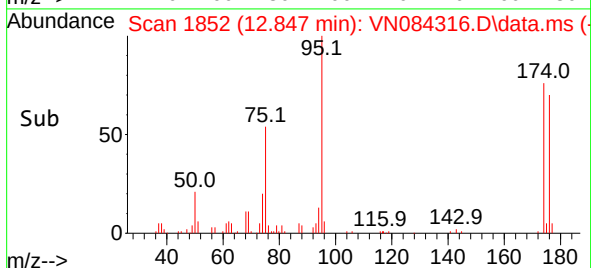
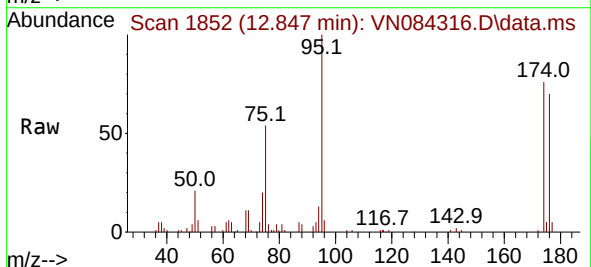


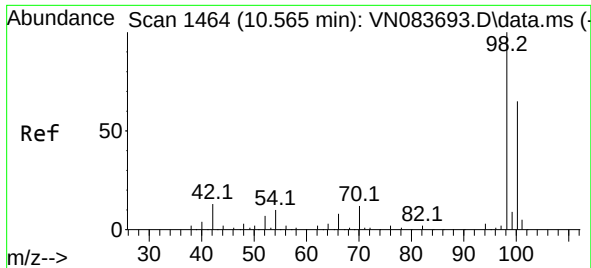
Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
58 168.7 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 26.922 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084316.D
Acq: 04 Oct 2024 15:09

Tgt Ion: 95 Resp: 67443
Ion Ratio Lower Upper
95 100
174 74.8 60.5 90.7
176 69.9 57.8 86.6

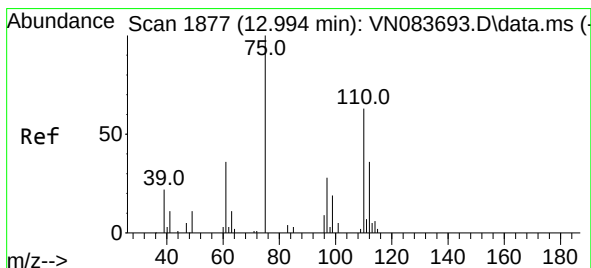
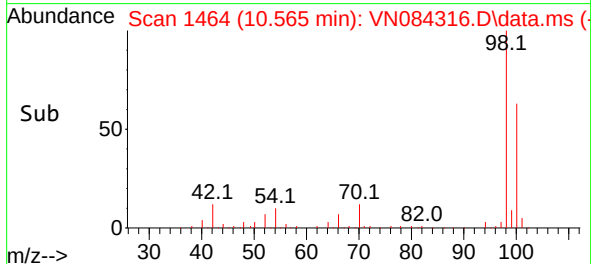
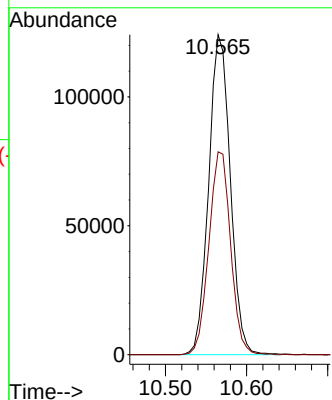
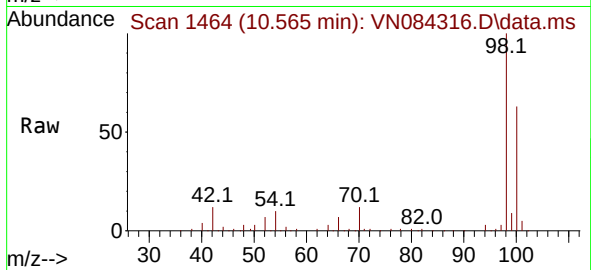




#63
Toluene-d8
Concen: 34.123 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084316.D
Acq: 04 Oct 2024 15:09

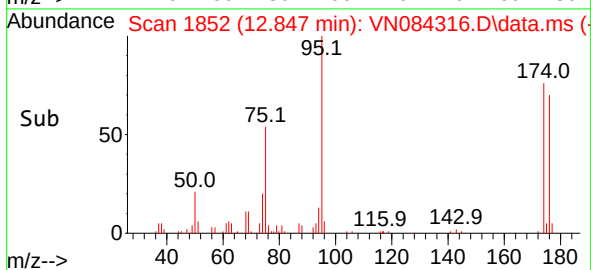
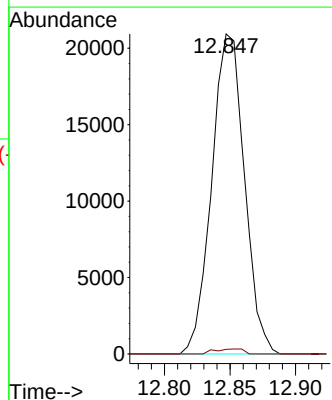
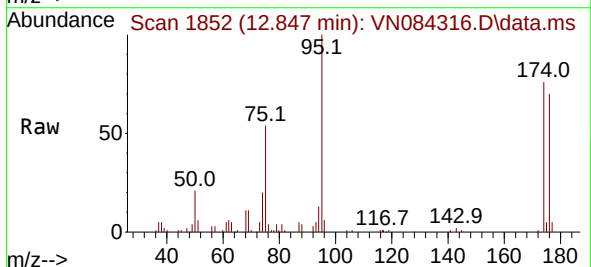
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ClientSampleId :

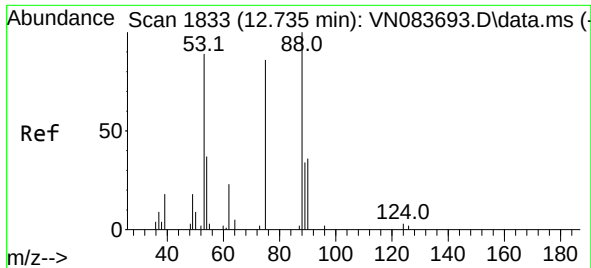
Tgt Ion: 98 Resp: 229659
Ion Ratio Lower Upper
98 100
100 63.7 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.994 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084316.D
Acq: 04 Oct 2024 15:09

Tgt Ion: 75 Resp: 36330
Ion Ratio Lower Upper
75 100
77 0.9 0.0 367.6





#77

t-1,4-Dichloro-2-butene

Concen: 40.204 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

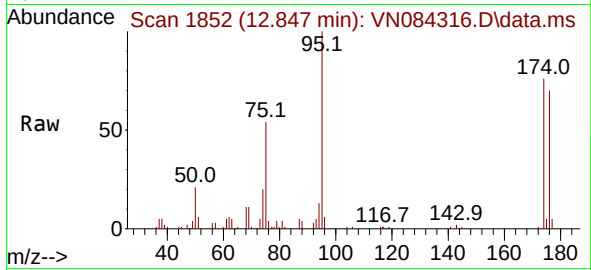
Lab File: VN084316.D

Acq: 04 Oct 2024 15:09

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 36330

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#

