

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083872.D
 Acq On : 13 Sep 2024 15:57
 Operator : JC\MD
 Sample : VN0913WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 23:53:11 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)

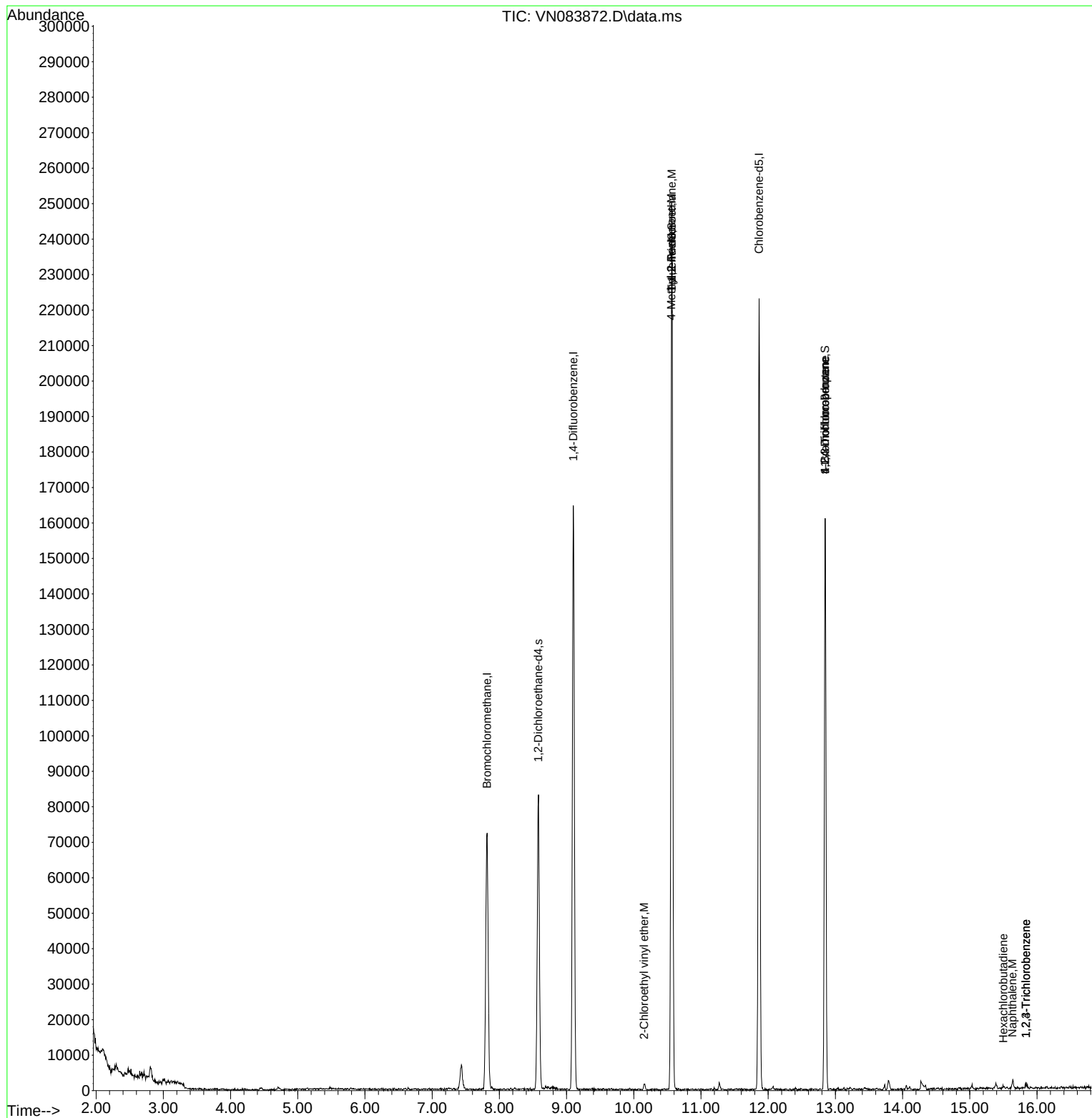
Internal Standards						
1) Bromochloromethane	7.818	128	24984	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	135693	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	121021	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68218	29.871	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.567%
60) 4-Bromofluorobenzene	12.847	95	54932	26.337	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.800%
63) Toluene-d8	10.565	98	168265	30.027	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.100%
Target Compounds						
					Qvalue	
50) 1,1,2-Trichloroethane	10.565	97	5538	3.830	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.153	63	499	0.507	ug/l #	71
58) 4-Methyl-2-Pentanone	10.559	43	466	0.243	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	30437	17.100	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30437	40.455	ug/l #	12
89) 1,2,4-Trichlorobenzene	15.835	180	591	0.338	ug/l #	80
90) Hexachlorobutadiene	15.500	225	319	0.441	ug/l	63
91) Naphthalene	15.635	128	2894	0.507	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.835	180	591	0.338	ug/l #	80

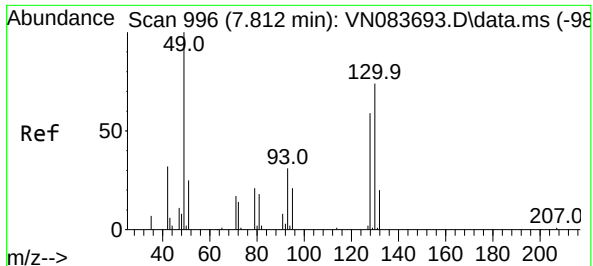
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Sep 13 23:53:11 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

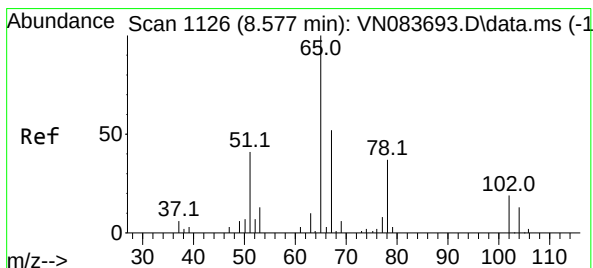
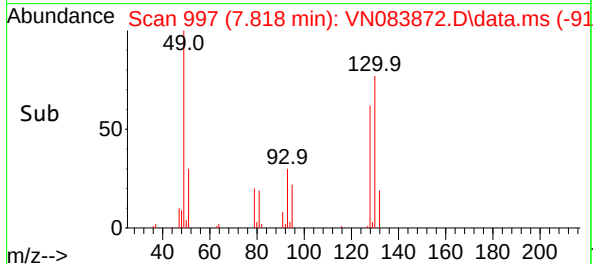
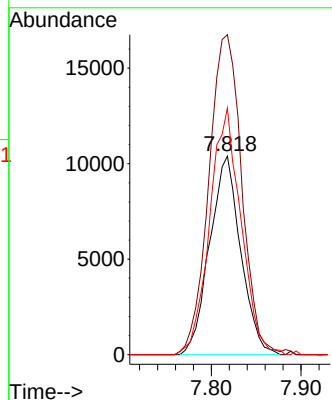
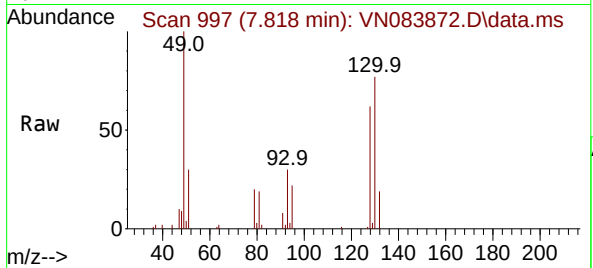




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

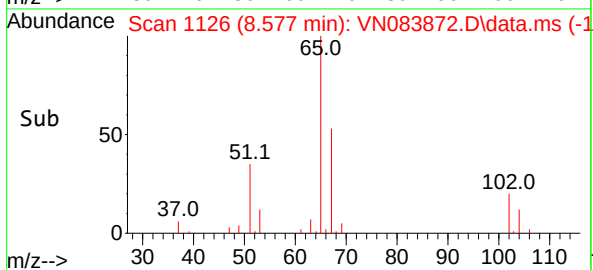
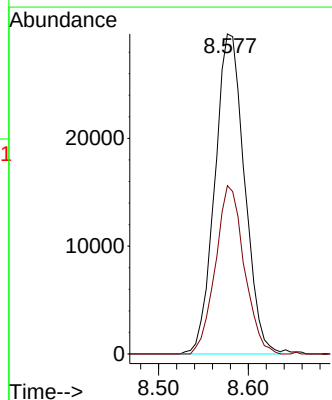
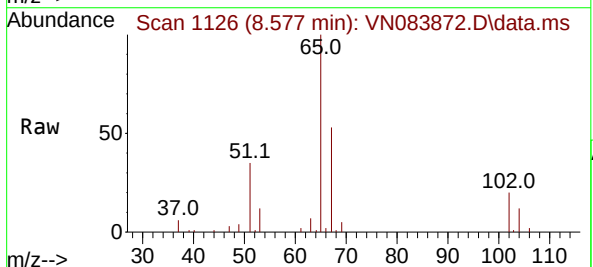
Instrument :
MSVOA_N
ClientSampleId :

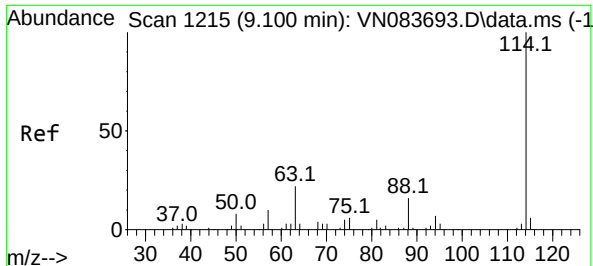
Tgt Ion:128 Resp: 24984
Ion Ratio Lower Upper
128 100
49 170.5 0.0 403.7
130 124.3 0.0 323.3



#27
1,2-Dichloroethane-d4
Concen: 29.871 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 65 Resp: 68218
Ion Ratio Lower Upper
65 100
67 50.9 43.2 64.8

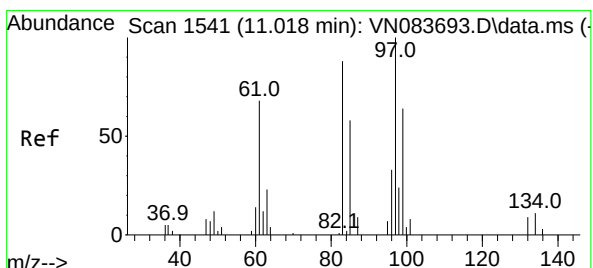
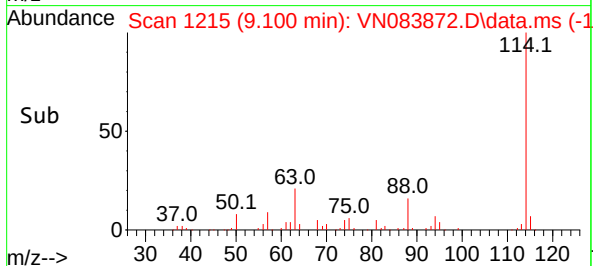
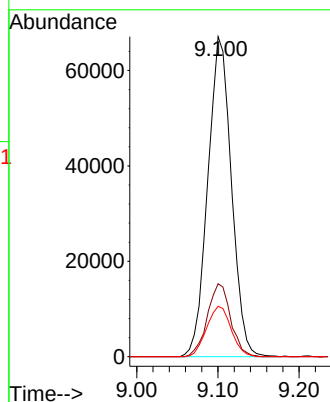
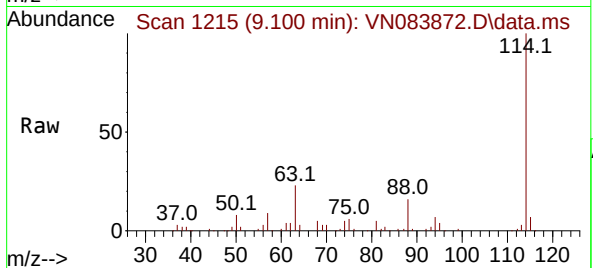




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

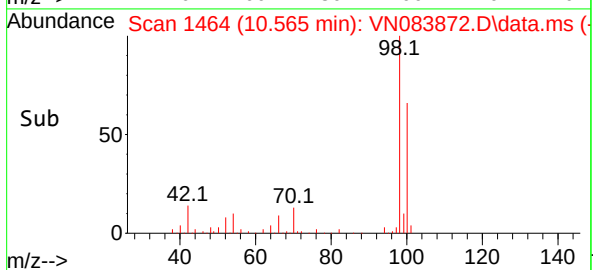
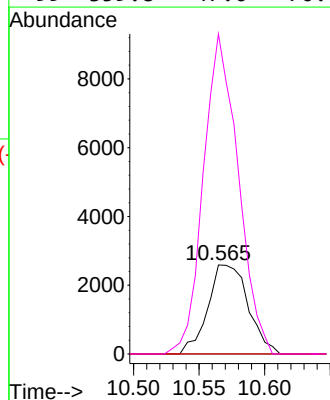
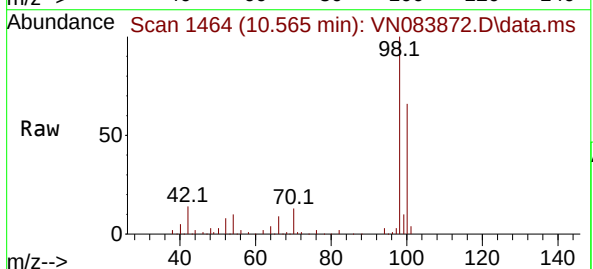
Instrument :
MSVOA_N
ClientSampleId :

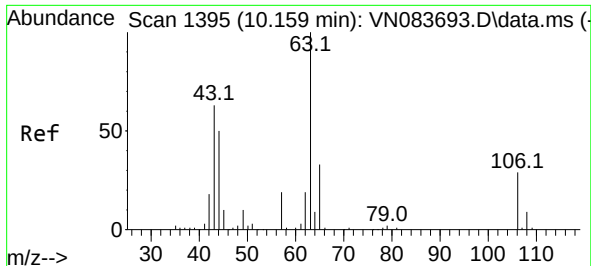
Tgt Ion:114 Resp: 135693
Ion Ratio Lower Upper
114 100
63 22.4 15.9 23.9
88 16.3 12.7 19.1



#50
1,1,2-Trichloroethane
Concen: 3.830 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.453 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 97 Resp: 5538
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 359.8 47.0 70.4#

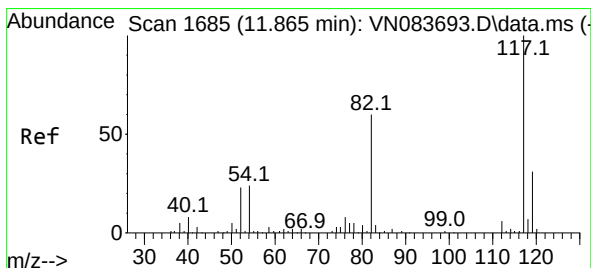
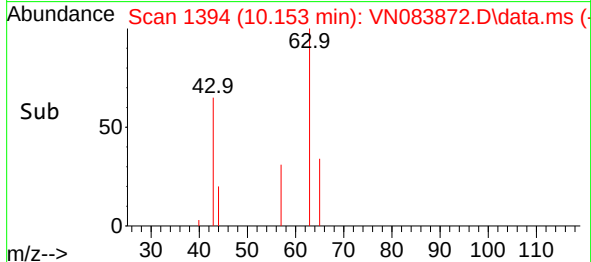
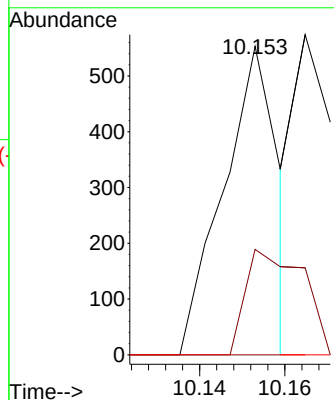
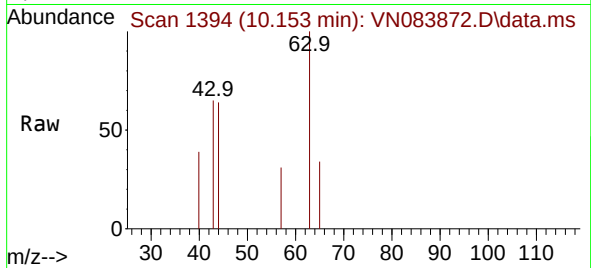




#55
2-Chloroethyl vinyl ether
Concen: 0.507 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

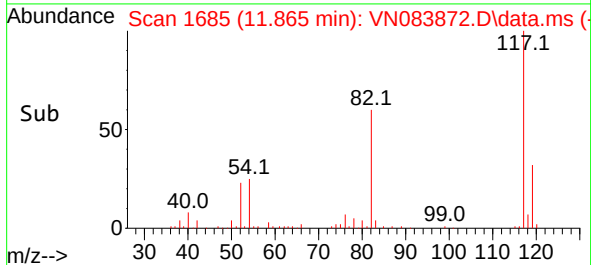
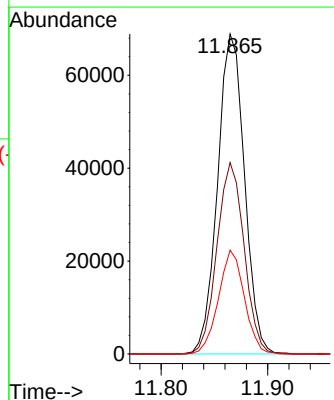
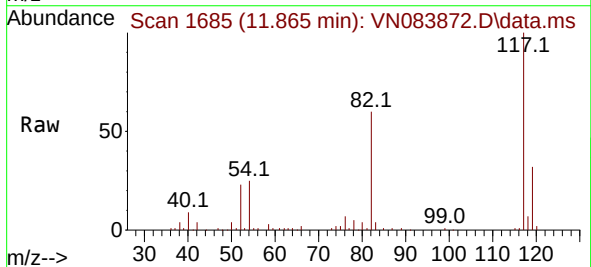
Instrument :
MSVOA_N
ClientSampleId :

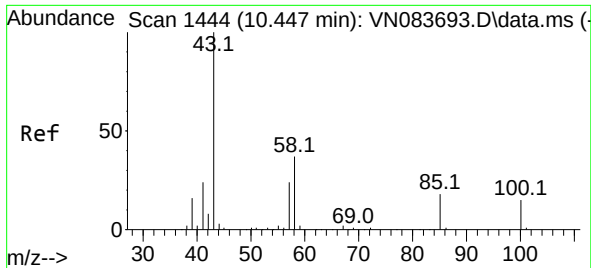
Tgt Ion: 63 Resp: 499
Ion Ratio Lower Upper
63 100
65 35.5 26.2 39.2
106 0.0 23.8 35.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

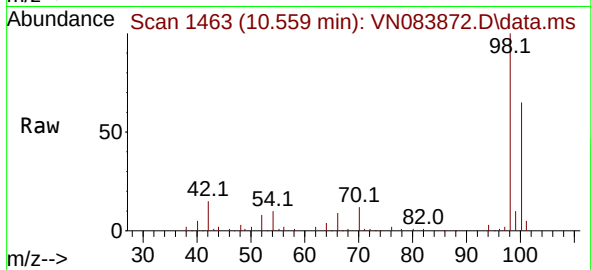
Tgt Ion: 117 Resp: 121021
Ion Ratio Lower Upper
117 100
82 60.2 46.6 69.8
119 31.2 25.4 38.2



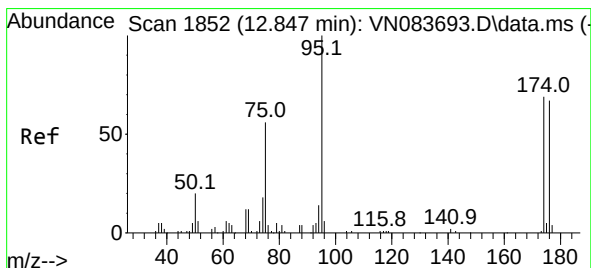
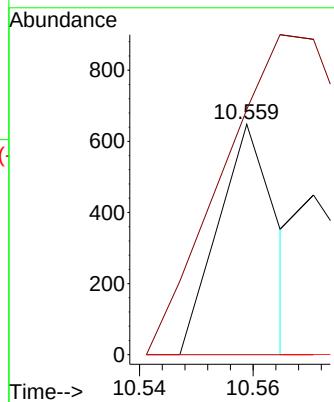
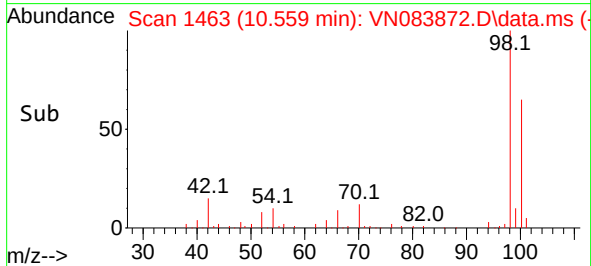


#58
4-Methyl-2-Pentanone
Concen: 0.243 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

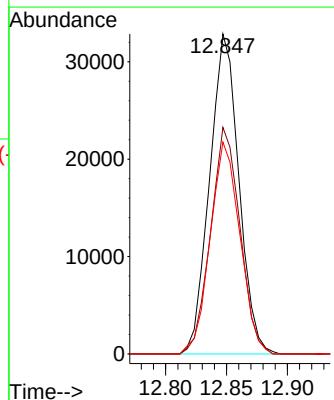
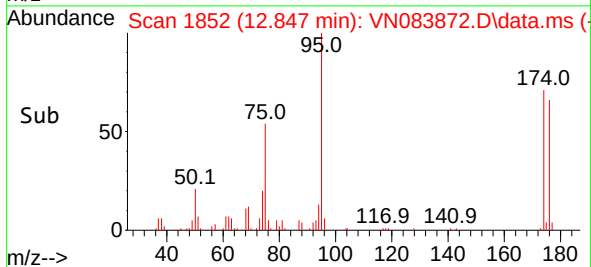
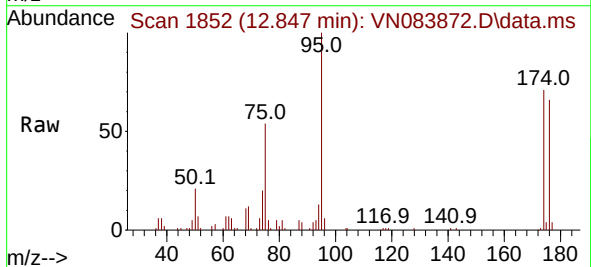


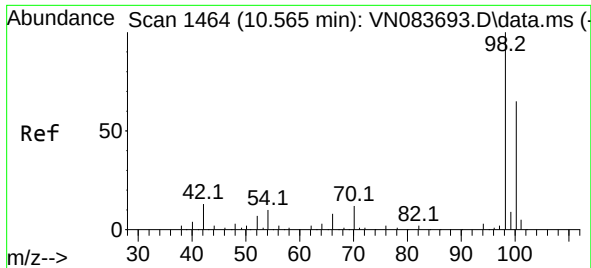
Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
58 331.5 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 26.337 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 95 Resp: 54932
Ion Ratio Lower Upper
95 100
174 70.9 60.5 90.7
176 67.3 57.8 86.6

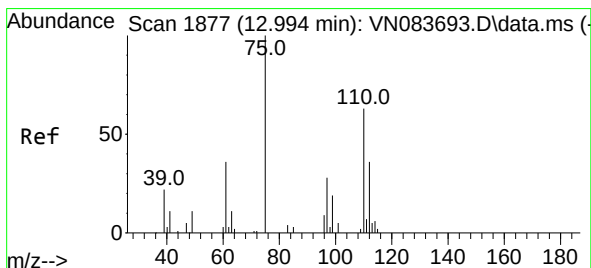
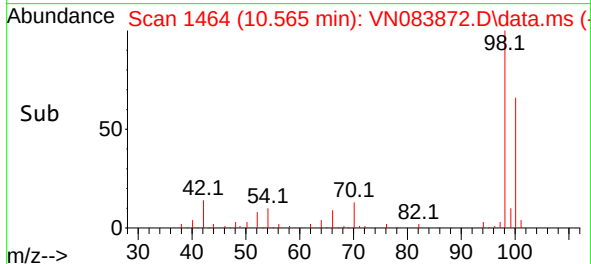
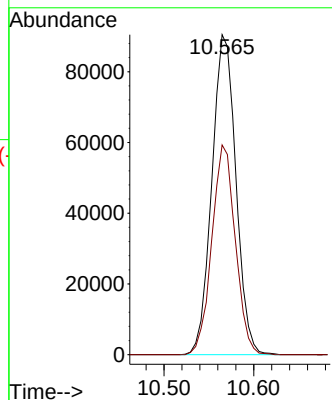
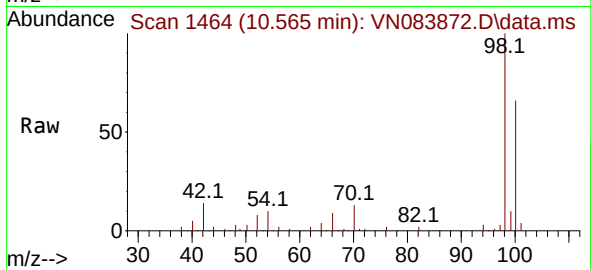




#63
Toluene-d8
Concen: 30.027 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

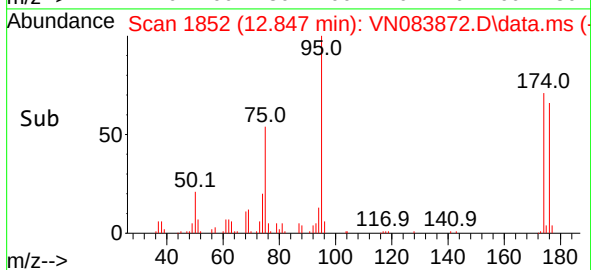
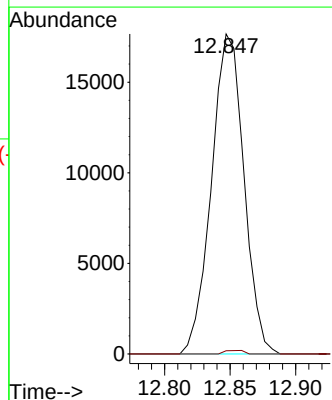
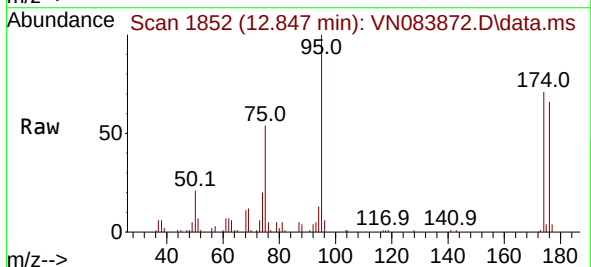
Instrument :
MSVOA_N
ClientSampleId :

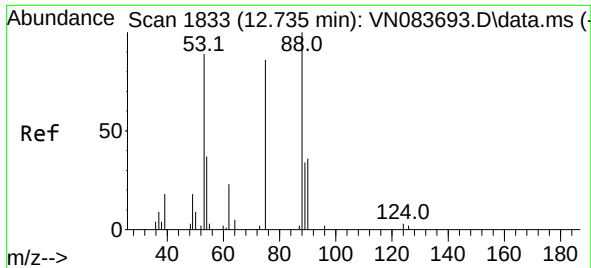
Tgt Ion: 98 Resp: 168265
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 17.100 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 75 Resp: 30437
Ion Ratio Lower Upper
75 100
77 0.6 0.0 367.6

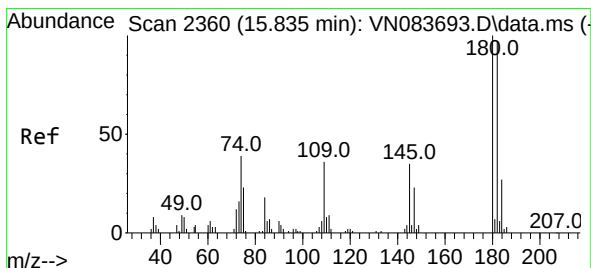
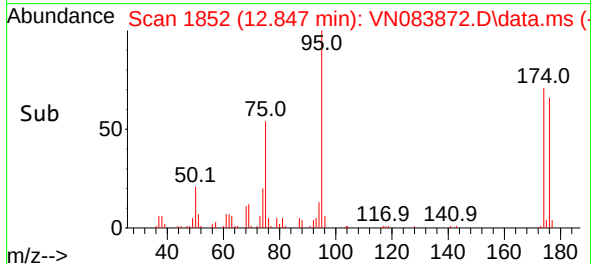
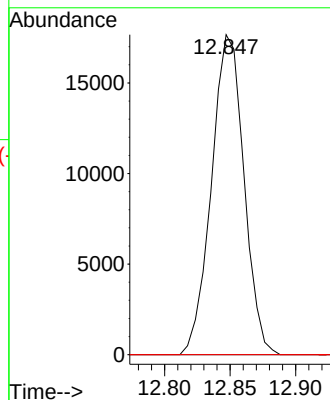
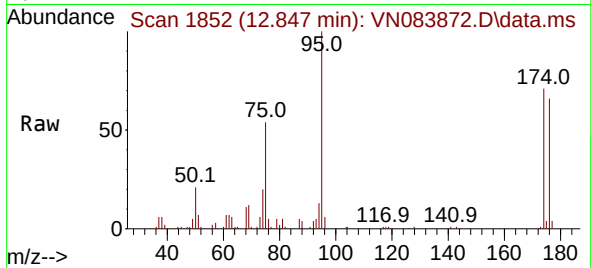




#77
t-1,4-Dichloro-2-butene
Concen: 40.455 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

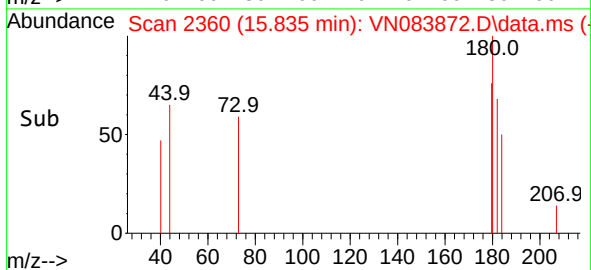
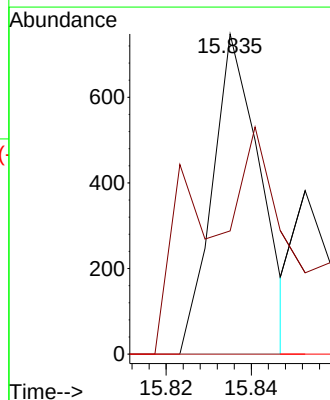
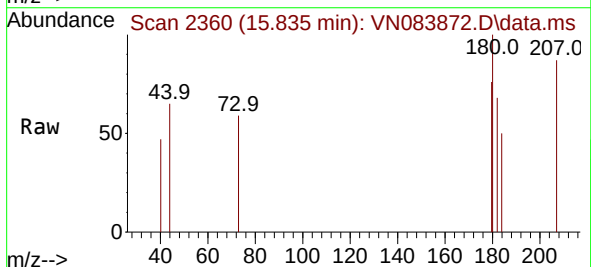
Instrument :
MSVOA_N
ClientSampleId :

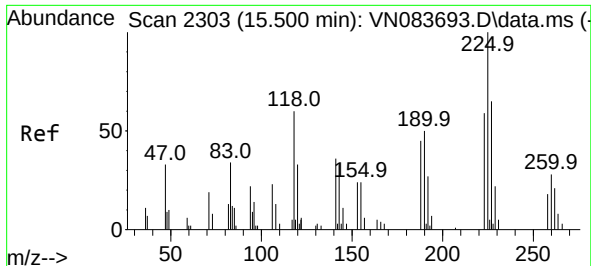
Tgt Ion: 75 Resp: 30437
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.338 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

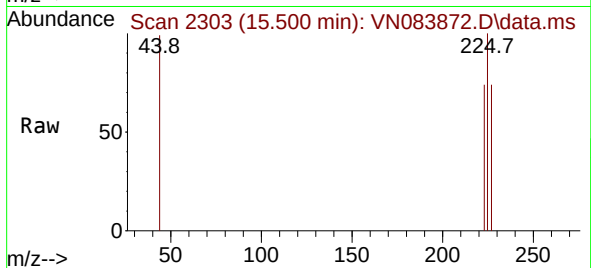
Tgt Ion:180 Resp: 591
Ion Ratio Lower Upper
180 100
182 90.2 76.4 114.6
145 0.0 28.4 42.6#



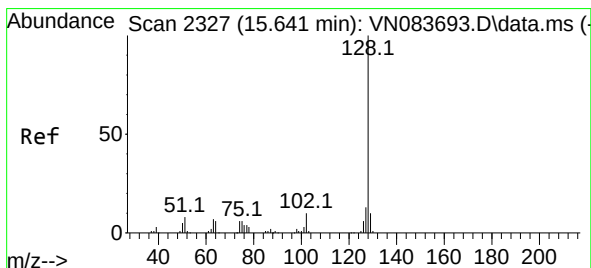
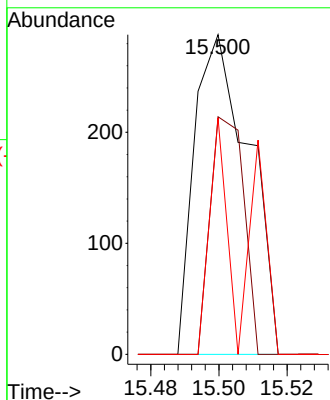
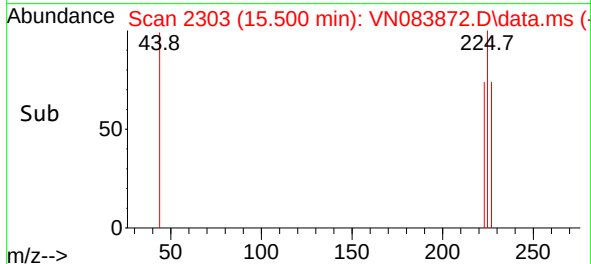


#90
Hexachlorobutadiene
Concen: 0.441 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

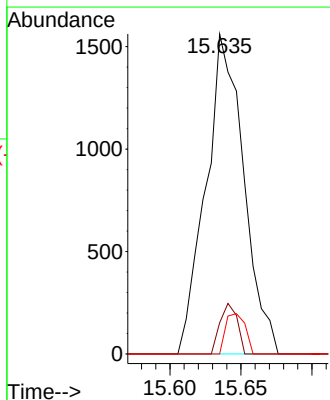
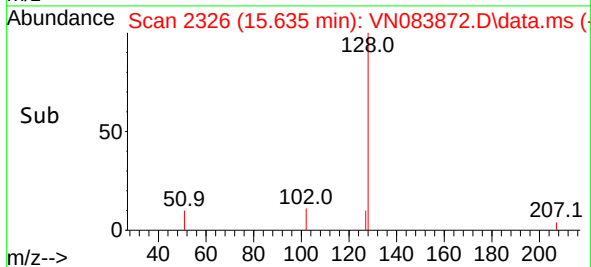
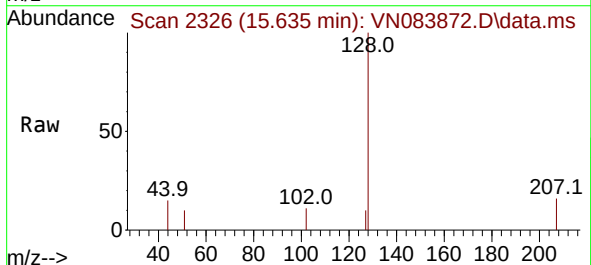


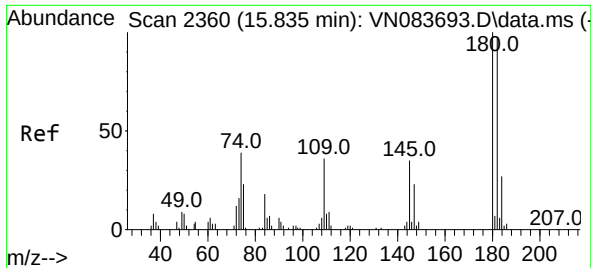
Tgt Ion:	225	Resp:	319
Ion	Ratio	Lower	Upper
225	100		
223	46.1	0.0	126.6
227	23.5	0.0	126.6



#91
Naphthalene
Concen: 0.507 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN083872.D
Acq: 13 Sep 2024 15:57

Tgt Ion:	128	Resp:	2894
Ion	Ratio	Lower	Upper
128	100		
127	7.2	10.6	16.0#
129	6.5	8.6	13.0#





#92

1,2,3-Trichlorobenzene

Concen: 0.338 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

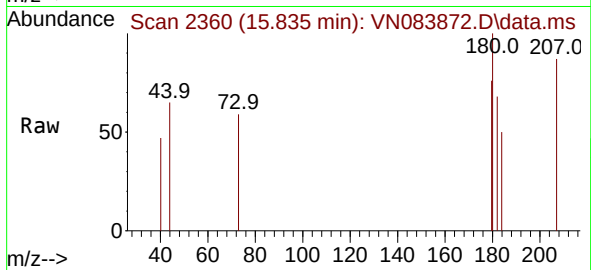
Lab File: VN083872.D

Acq: 13 Sep 2024 15:57

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 591

Ion Ratio Lower Upper

180 100

182 90.2 0.0 191.0

145 0.0 0.0 71.0

