

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084192.D
 Acq On : 26 Sep 2024 21:28
 Operator : JC\MD
 Sample : P4189-04 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:15:46 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)

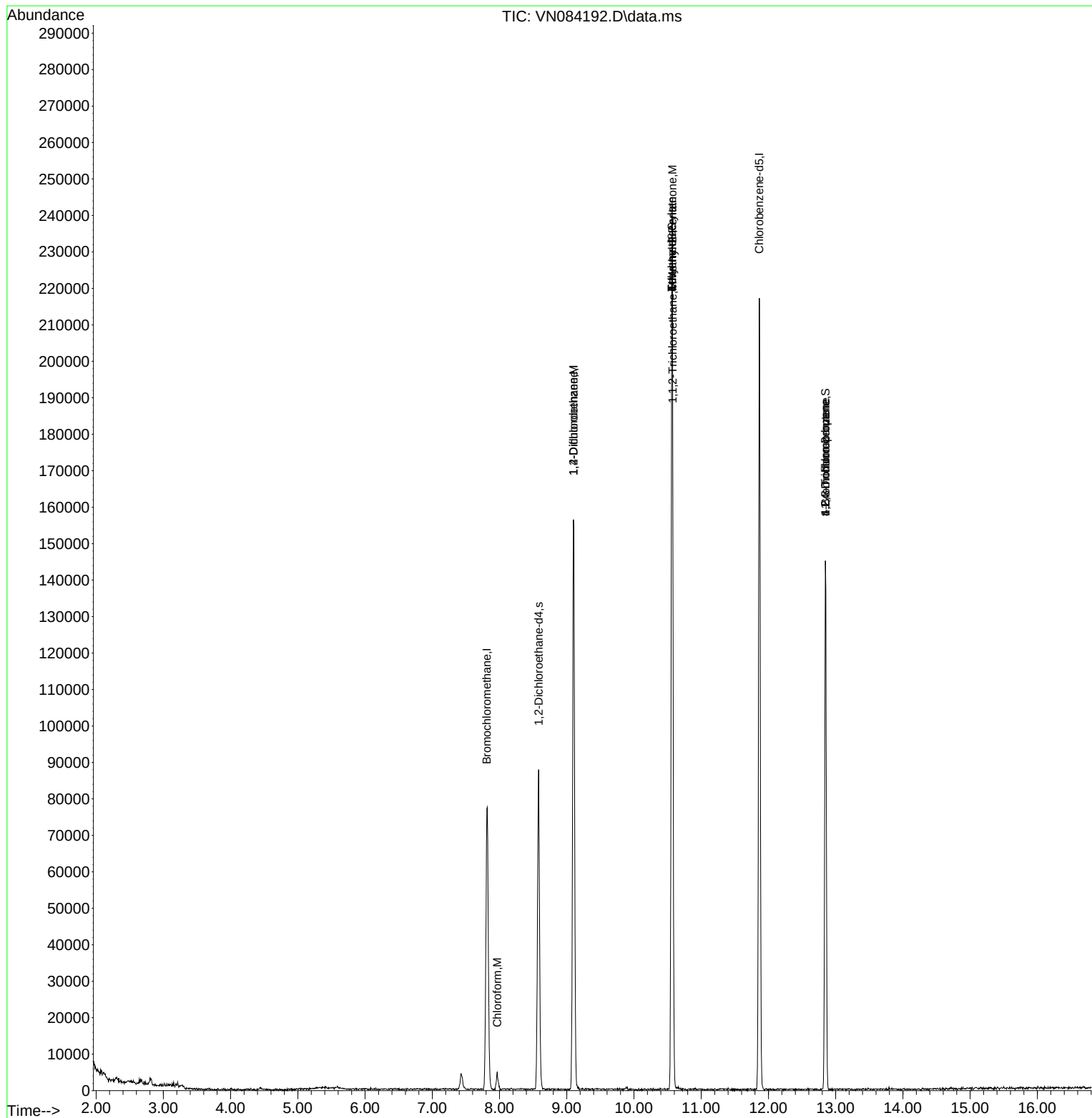
Internal Standards						
1) Bromochloromethane	7.812	128	26981	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	130325	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	120413	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	68015	27.578	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.933%
60) 4-Bromofluorobenzene	12.847	95	49861	24.026	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.100%
63) Toluene-d8	10.565	98	166729	29.904	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.667%
Target Compounds						
					Qvalue	
25) Chloroform	7.965	83	3985	1.109	ug/l	95
36) 1,2-Dichloroethane	9.100	62	5235	2.245	ug/l #	72
50) 1,1,2-Trichloroethane	10.577	97	5340	3.845	ug/l #	1
51) Ethyl methacrylate	10.565	69	566	0.239	ug/l #	62
58) 4-Methyl-2-Pentanone	10.571	43	616	0.323	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	27745	15.666	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27745	37.063	ug/l #	12

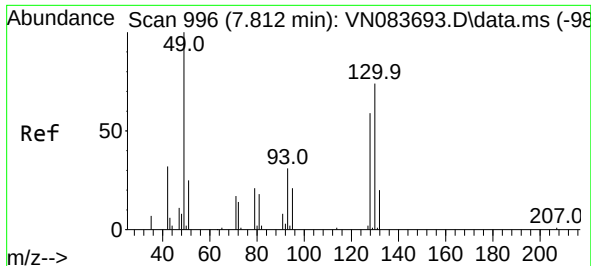
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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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

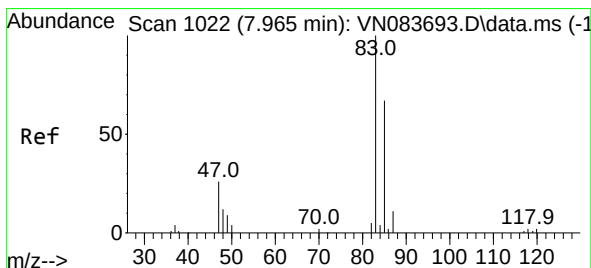
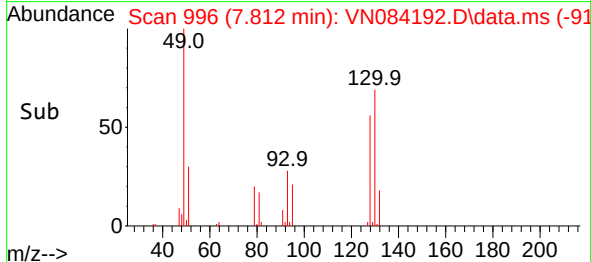
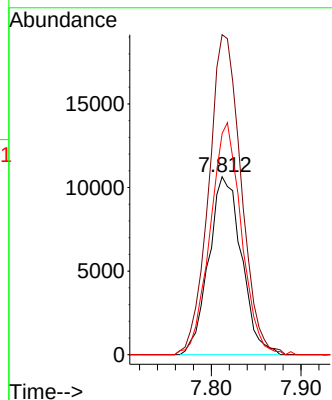
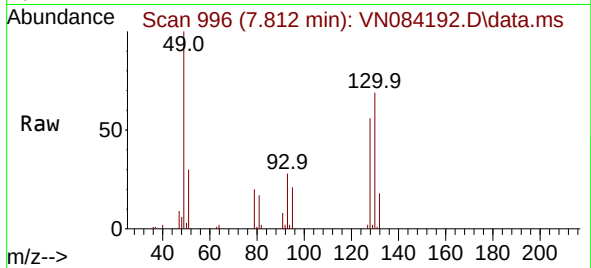




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

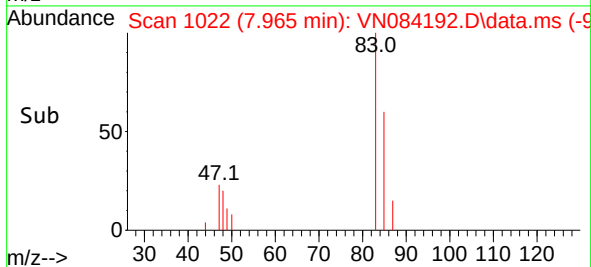
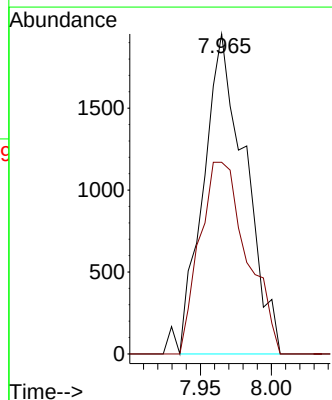
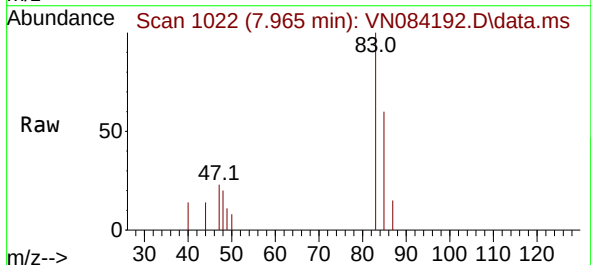
Instrument :
MSVOA_N
ClientSampleId :

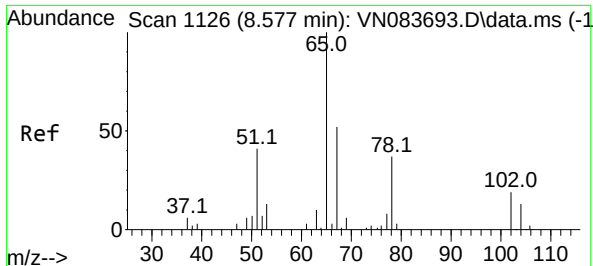
Tgt Ion:128 Resp: 26981
Ion Ratio Lower Upper
128 100
49 177.3 0.0 403.7
130 124.1 0.0 323.3



#25
Chloroform
Concen: 1.109 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

Tgt Ion: 83 Resp: 3985
Ion Ratio Lower Upper
83 100
85 59.9 50.9 76.3

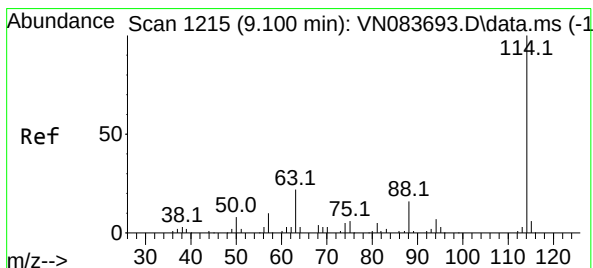
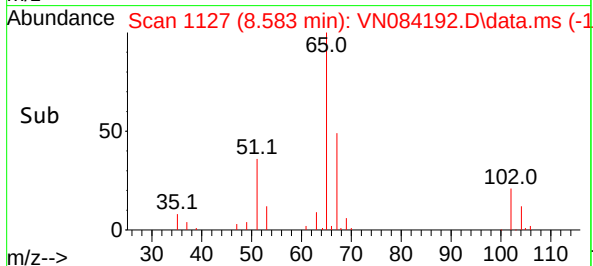
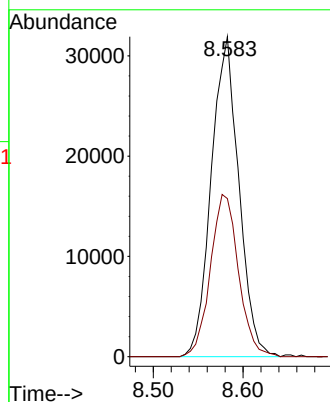
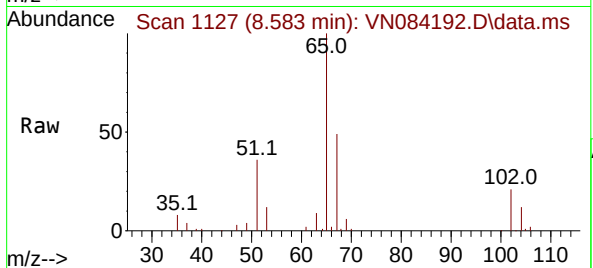




#27
1,2-Dichloroethane-d4
Concen: 27.578 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

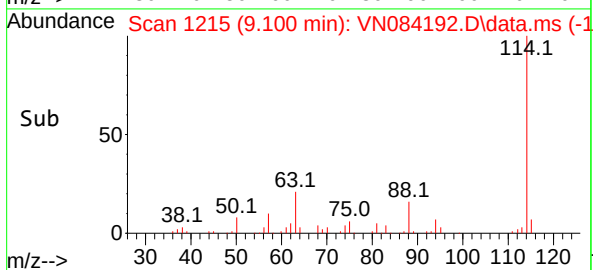
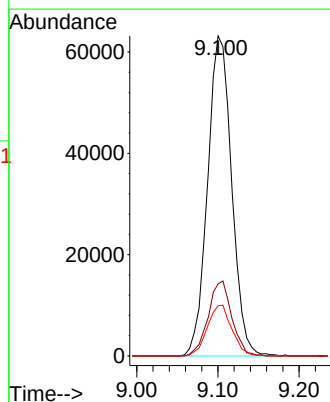
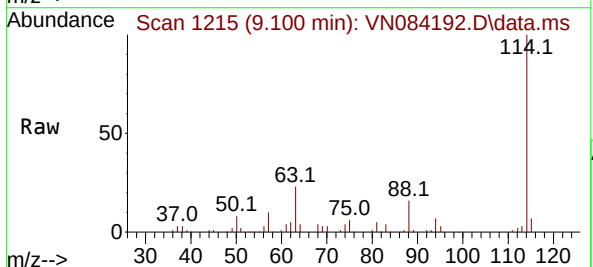
Instrument :
MSVOA_N
ClientSampleId :

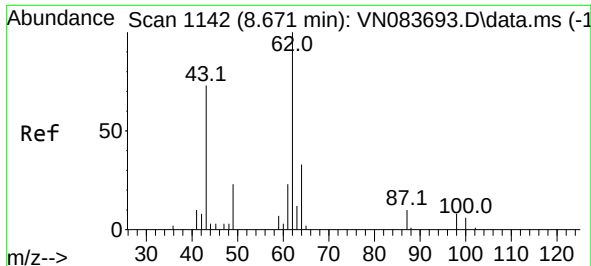
Tgt Ion: 65 Resp: 68015
Ion Ratio Lower Upper
65 100
67 51.7 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

Tgt Ion: 114 Resp: 130325
Ion Ratio Lower Upper
114 100
63 23.0 15.9 23.9
88 16.1 12.7 19.1

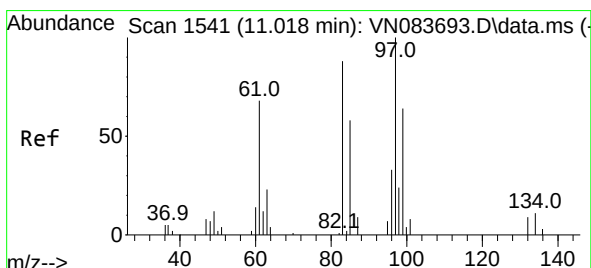
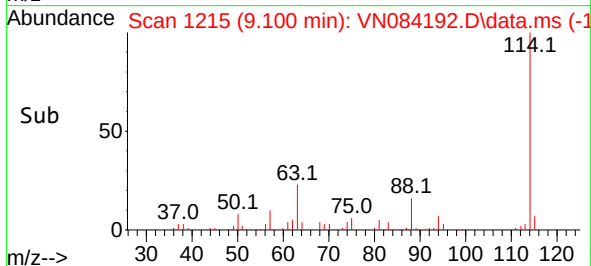
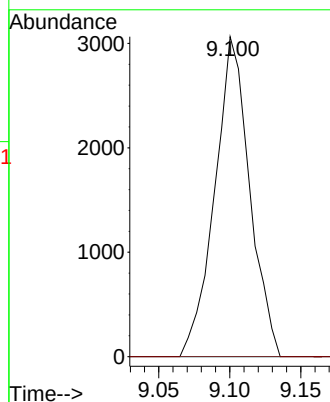
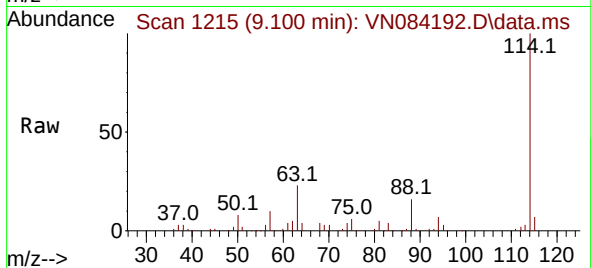




#36
1,2-Dichloroethane
Concen: 2.245 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

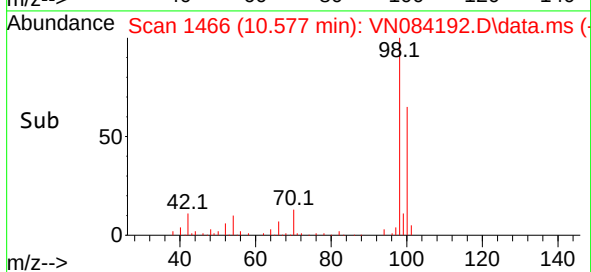
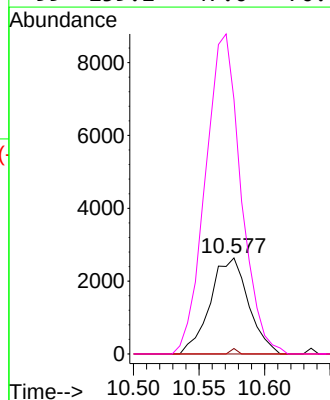
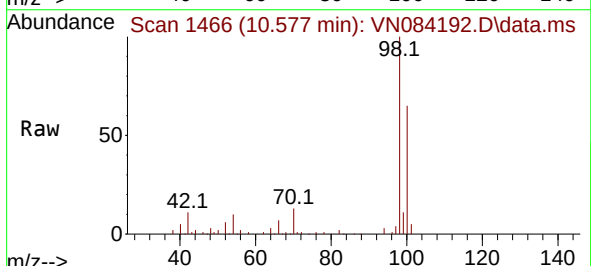
Instrument :
MSVOA_N
ClientSampleId :

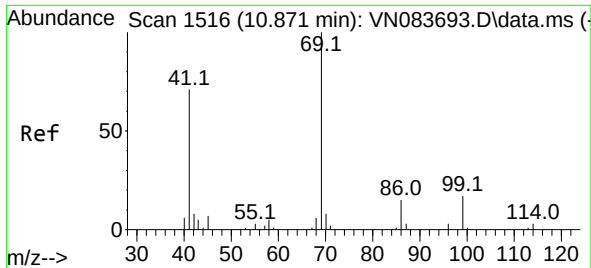
Tgt Ion: 62 Resp: 5235
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#50
1,1,2-Trichloroethane
Concen: 3.845 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

Tgt Ion: 97 Resp: 5340
Ion Ratio Lower Upper
97 100
83 5.7 68.1 102.1#
85 0.0 41.8 62.6#
99 259.2 47.0 70.4#

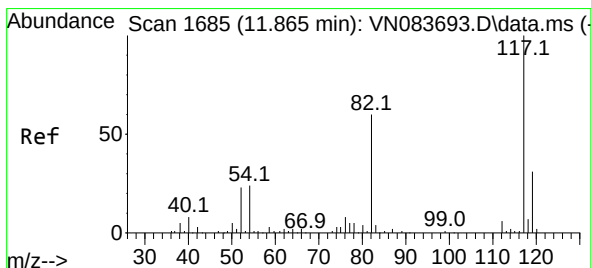
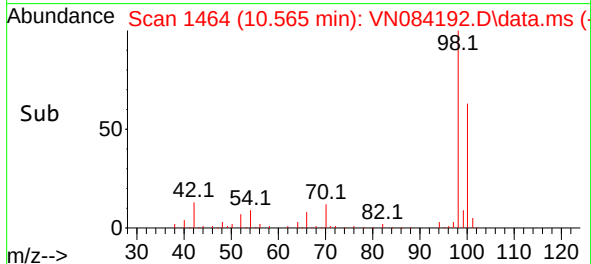
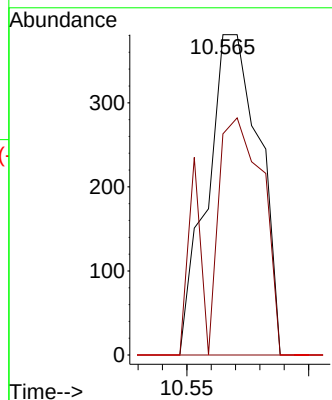
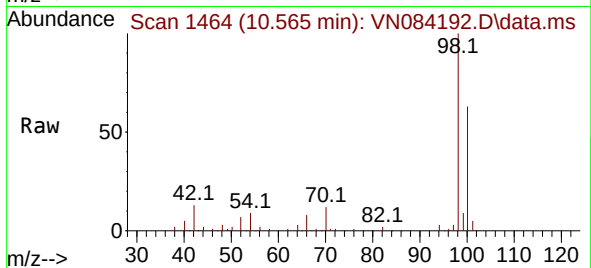




#51
Ethyl methacrylate
Concen: 0.239 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.306 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

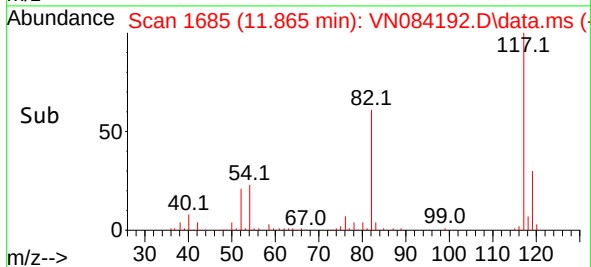
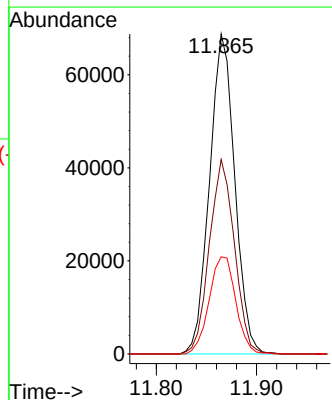
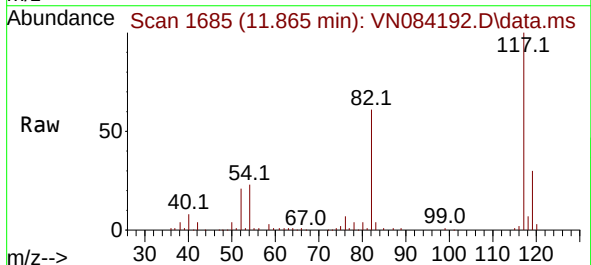
Instrument :
MSVOA_N
ClientSampleId :

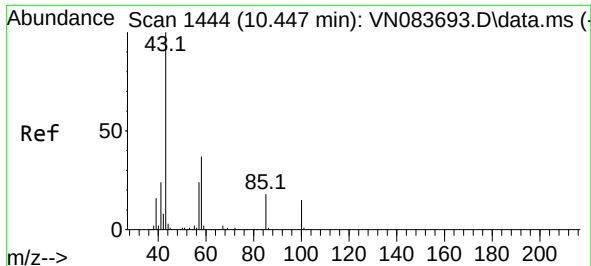
Tgt Ion: 69 Resp: 566
Ion Ratio Lower Upper
69 100
41 69.0 25.5 76.5
39 0.0 16.0 47.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

Tgt Ion: 117 Resp: 120413
Ion Ratio Lower Upper
117 100
82 60.4 46.6 69.8
119 32.0 25.4 38.2

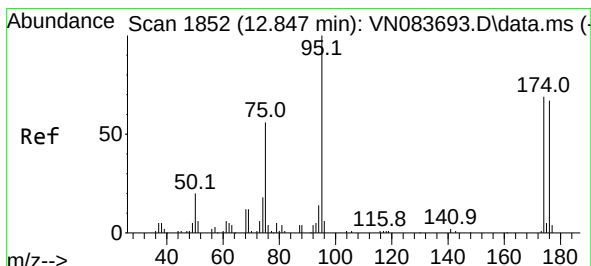
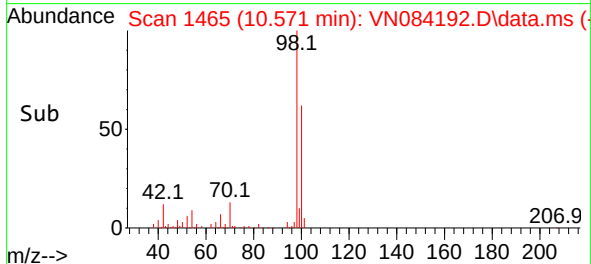
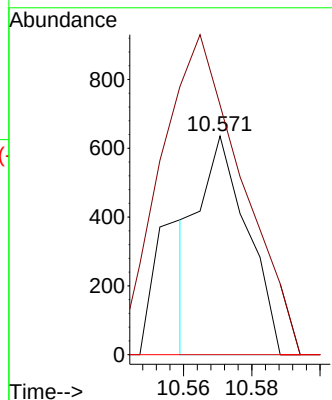
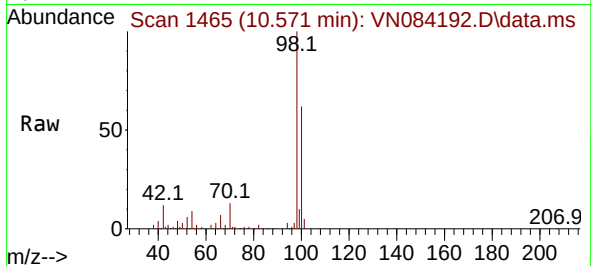




#58
4-Methyl-2-Pentanone
Concen: 0.323 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

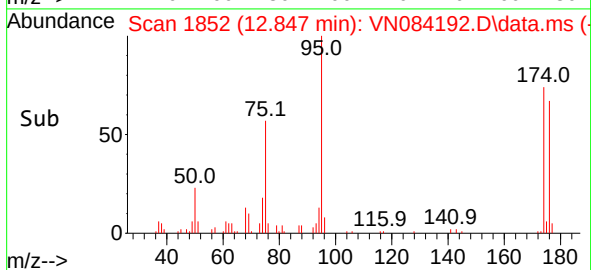
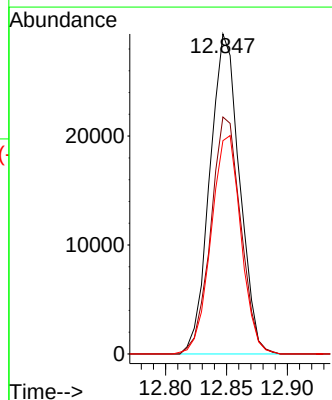
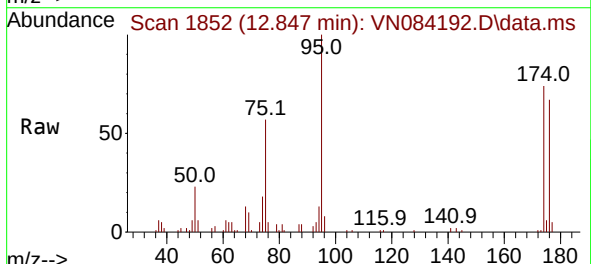
Instrument :
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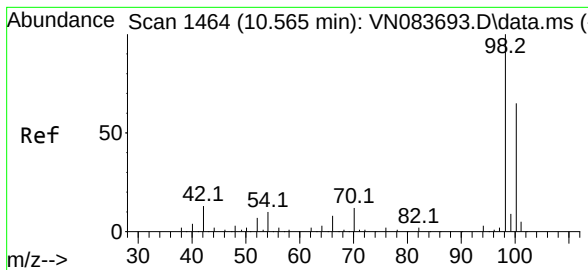
Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
58 249.0 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 24.026 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

Tgt Ion: 95 Resp: 49861
Ion Ratio Lower Upper
95 100
174 74.8 60.5 90.7
176 68.8 57.8 86.6

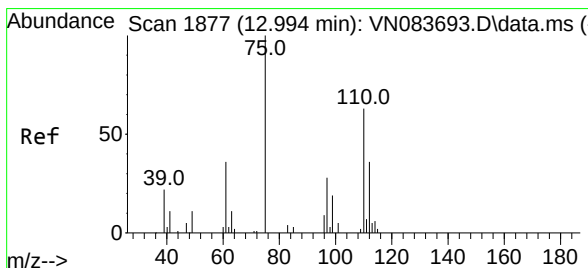
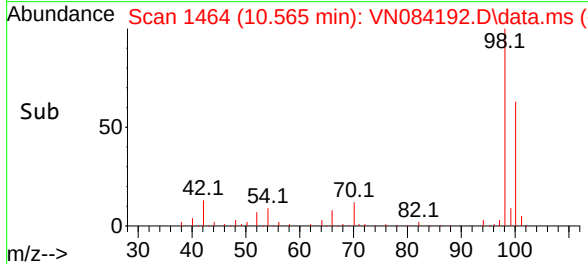
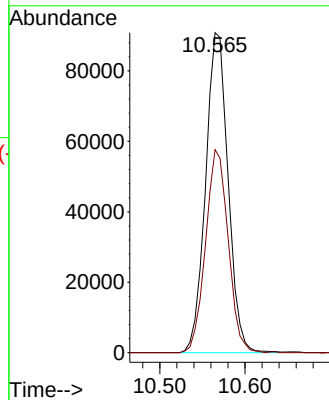
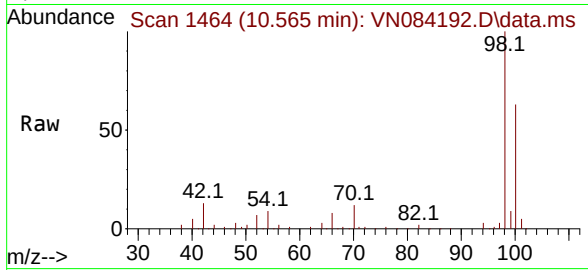




#63
Toluene-d8
Concen: 29.904 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

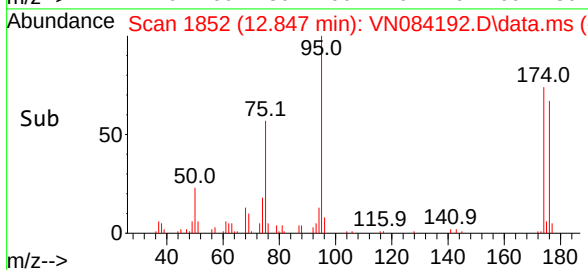
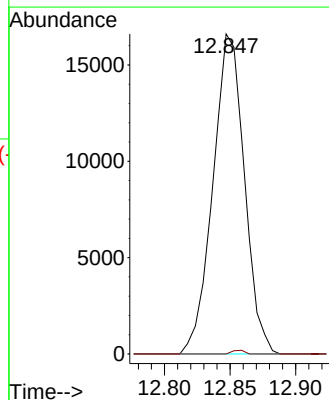
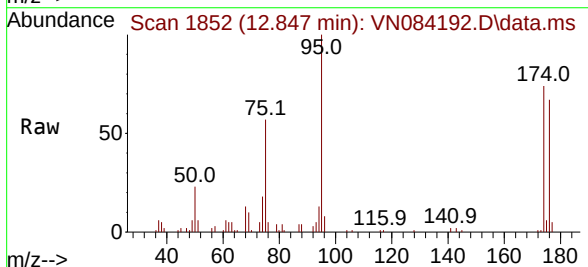
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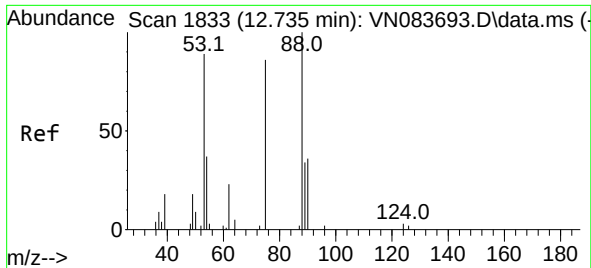
Tgt Ion: 98 Resp: 166729
Ion Ratio Lower Upper
98 100
100 63.7 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.666 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

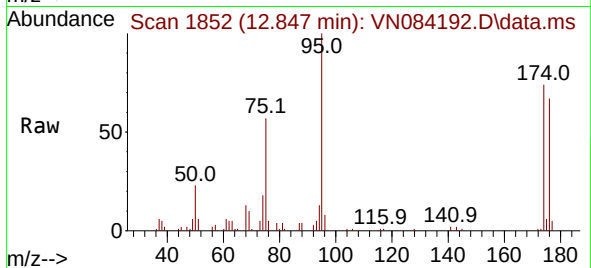
Tgt Ion: 75 Resp: 27745
Ion Ratio Lower Upper
75 100
77 0.5 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 37.063 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 27745
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

