

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101424\
 Data File : VN084406.D
 Acq On : 14 Oct 2024 11:07
 Operator : JC\MD
 Sample : VN1014WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 01:32:23 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)

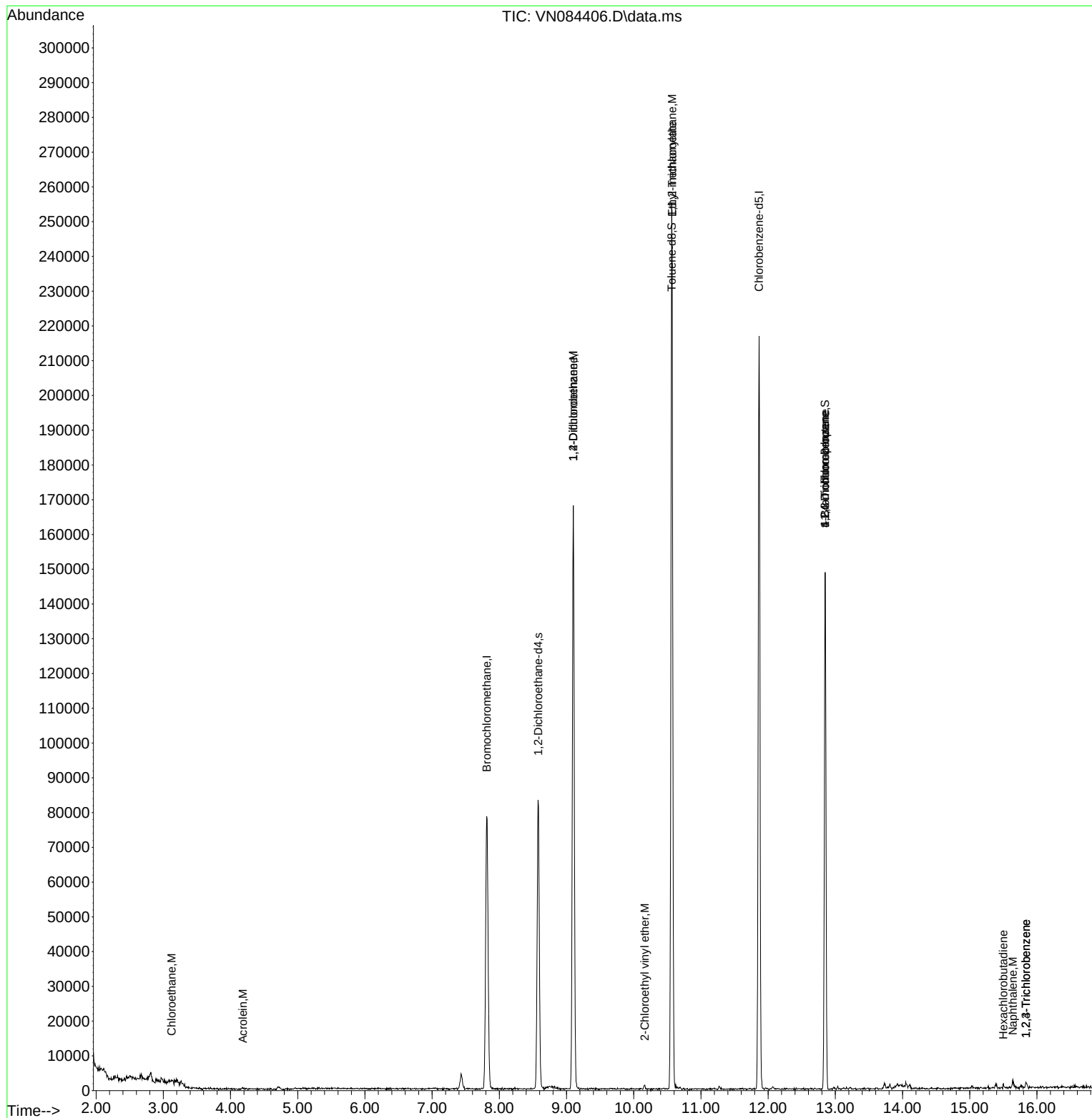
Internal Standards						
1) Bromochloromethane	7.812	128	28867	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	141249	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	127757	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68365	29.416	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.067%
60) 4-Bromofluorobenzene	12.847	95	51537	24.442	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.467%
63) Toluene-d8	10.565	98	175707	29.688	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.967%
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	368	0.285	ug/l #	40
13) Acrolein	4.183	56	182	0.435	ug/l #	14
36) 1,2-Dichloroethane	9.100	62	5135	2.122	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	5478	3.295	ug/l #	1
51) Ethyl methacrylate	10.571	69	671	0.244	ug/l #	79
55) 2-Chloroethyl vinyl ether	10.165	63	722	0.580	ug/l #	60
72) 1,2,3-Trichloropropane	12.847	75	27376	13.623	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27376	31.879	ug/l #	12
89) 1,2,4-Trichlorobenzene	15.835	180	596	0.347	ug/l #	53
90) Hexachlorobutadiene	15.500	225	335	0.422	ug/l	69
91) Naphthalene	15.641	128	2810	0.483	ug/l #	78
92) 1,2,3-Trichlorobenzene	15.835	180	596	0.347	ug/l	53

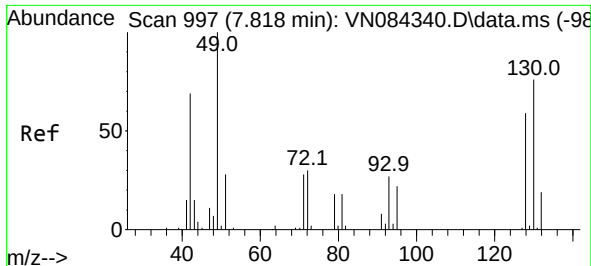
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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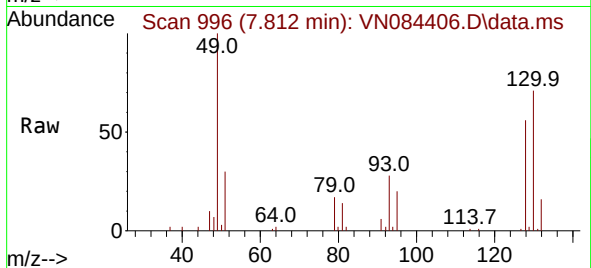
Quant Time: Oct 15 01:32:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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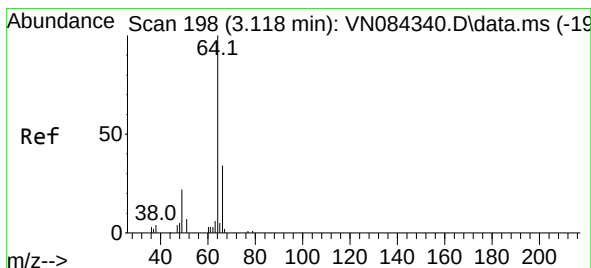
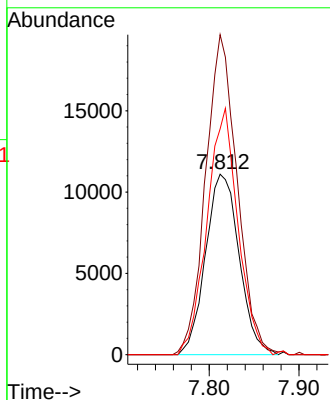
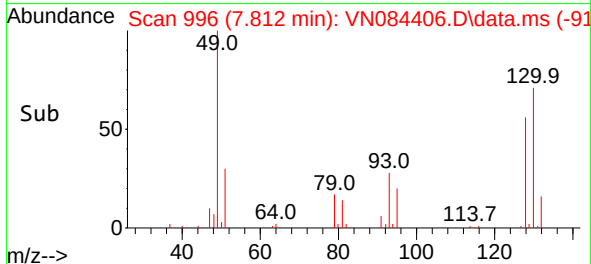


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :

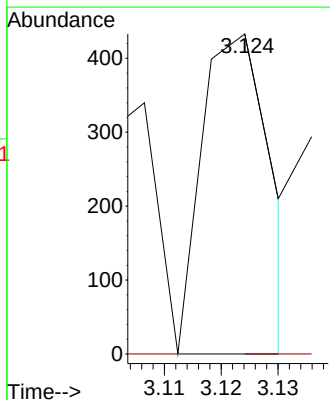
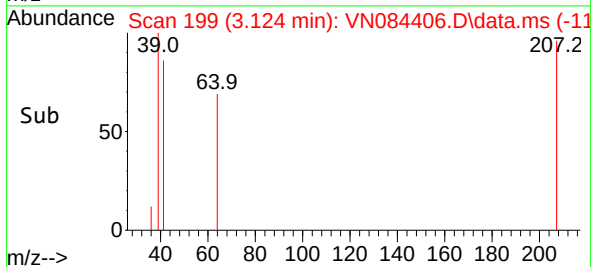
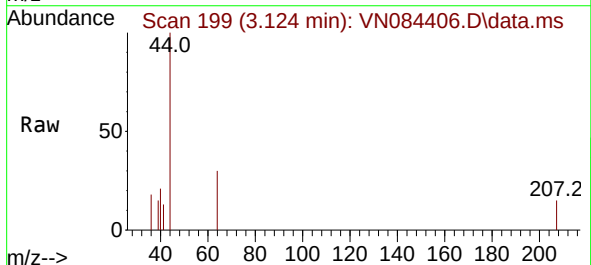


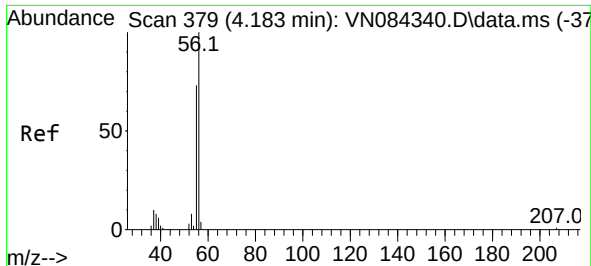
Tgt Ion:128 Resp: 28867
Ion Ratio Lower Upper
128 100
49 166.0 0.0 430.0
130 126.0 0.0 329.8



#6
Chloroethane
Concen: 0.285 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

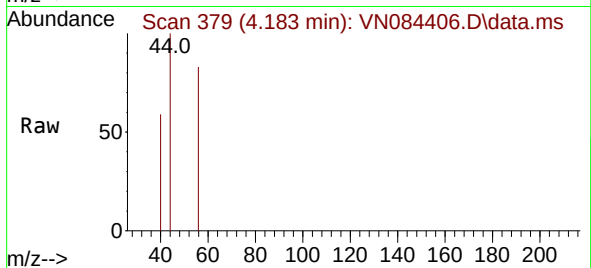
Tgt Ion: 64 Resp: 368
Ion Ratio Lower Upper
64 100
66 0.0 27.7 41.5#



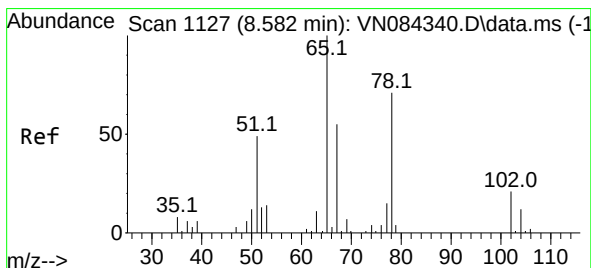
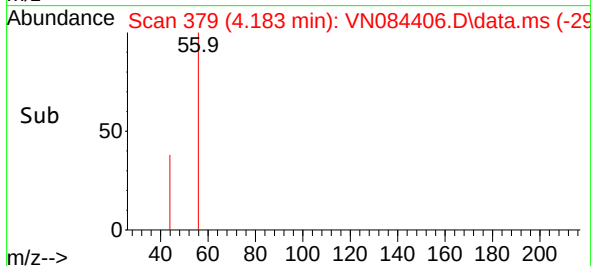
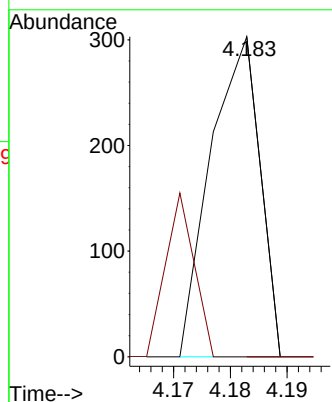


#13
Acrolein
Concen: 0.435 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :

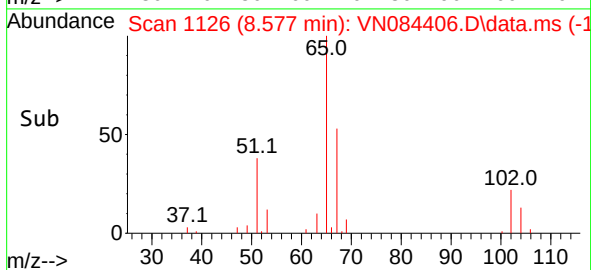
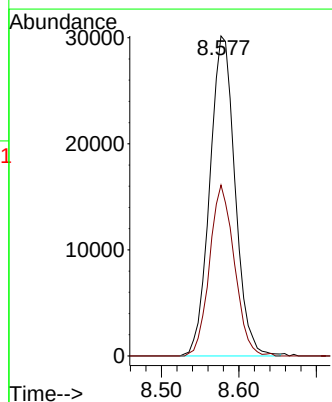
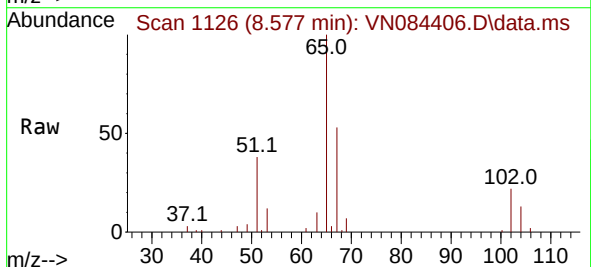


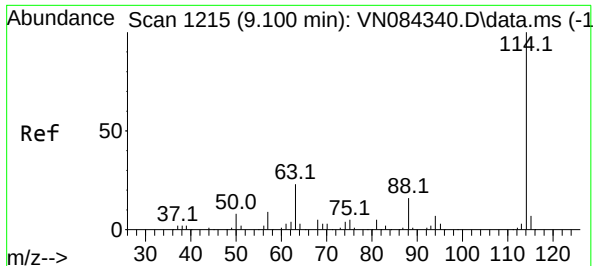
Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#27
1,2-Dichloroethane-d4
Concen: 29.416 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

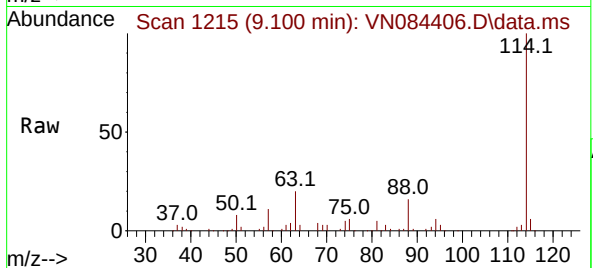
Tgt Ion: 65 Resp: 68365
Ion Ratio Lower Upper
65 100
67 52.2 41.5 62.3



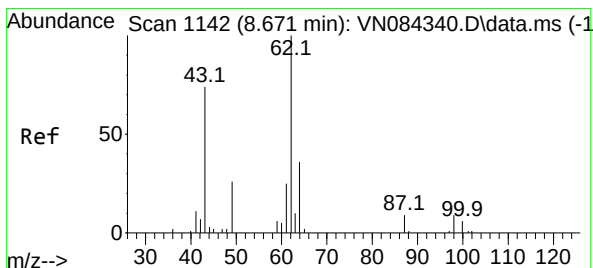
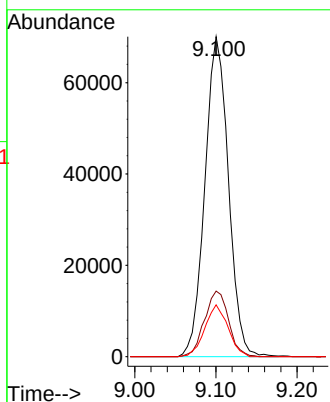
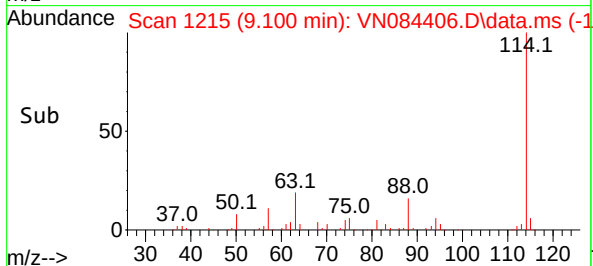


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :

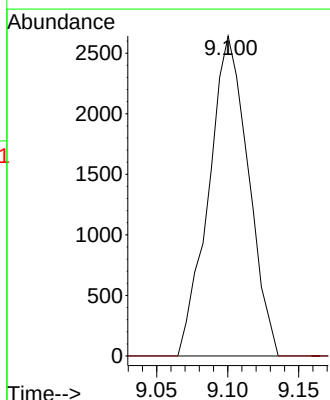
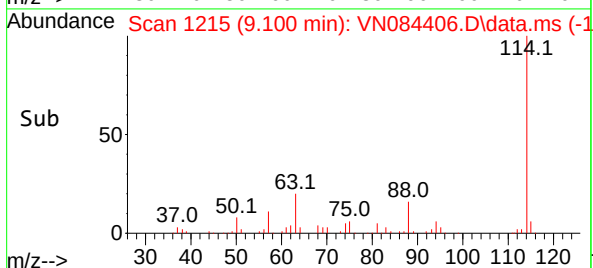
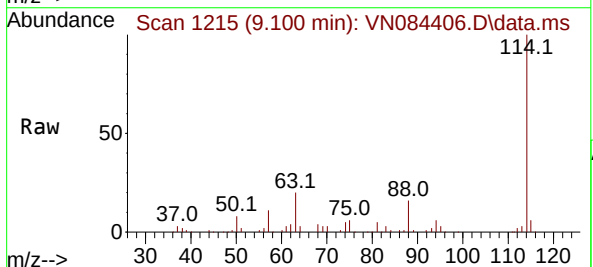


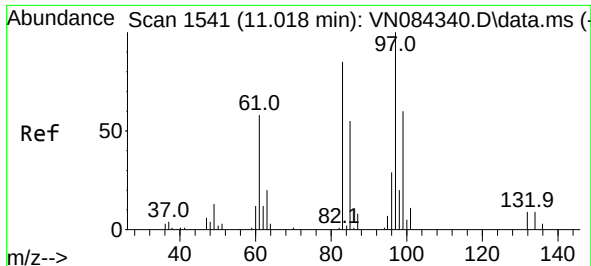
Tgt Ion:114 Resp: 141249
Ion Ratio Lower Upper
114 100
63 21.0 17.4 26.0
88 16.0 13.2 19.8



#36
1,2-Dichloroethane
Concen: 2.122 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.430 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

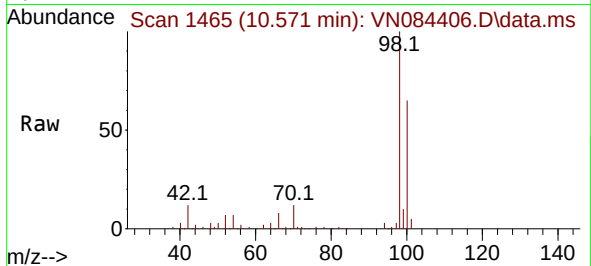
Tgt Ion: 62 Resp: 5135
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



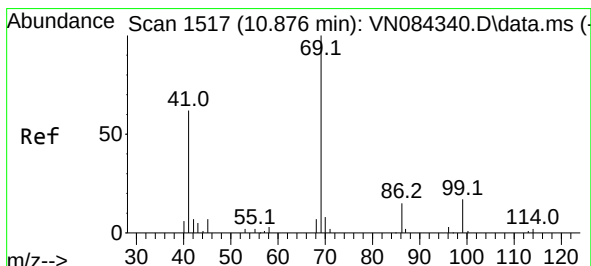
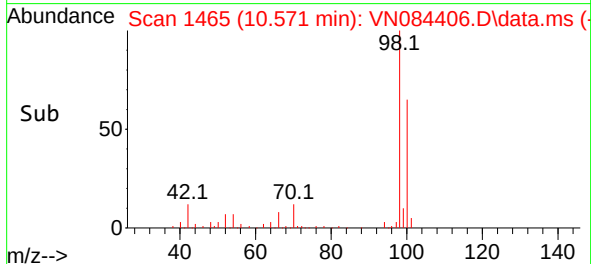
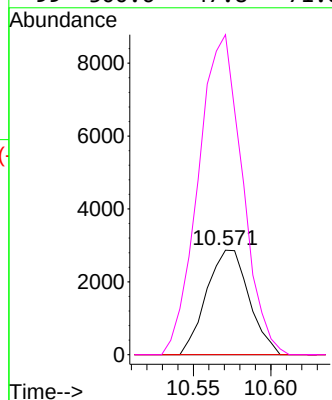


#50
1,1,2-Trichloroethane
Concen: 3.295 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :

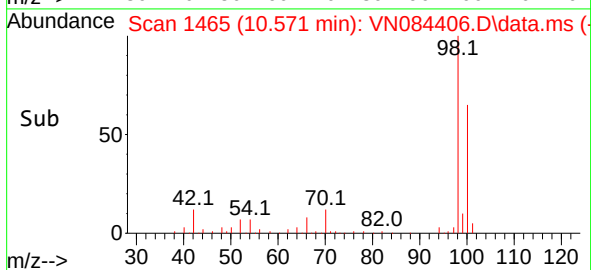
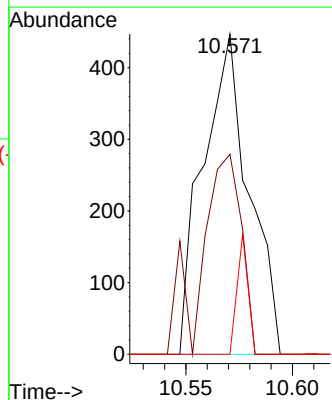
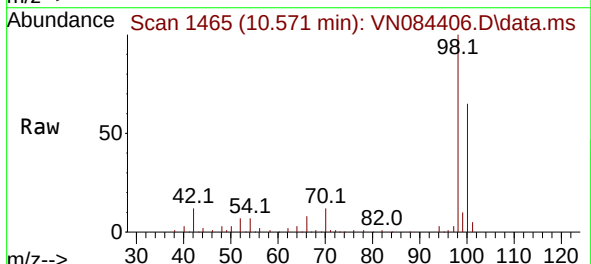


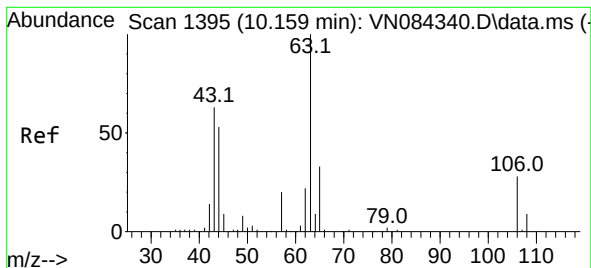
Tgt Ion: 97 Resp: 5478
Ion Ratio Lower Upper
97 100
83 0.0 67.8 101.8#
85 0.0 44.2 66.2#
99 300.6 47.8 71.8#



#51
Ethyl methacrylate
Concen: 0.244 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.306 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Tgt Ion: 69 Resp: 671
Ion Ratio Lower Upper
69 100
41 62.4 30.9 92.7
39 0.0 16.6 49.7#

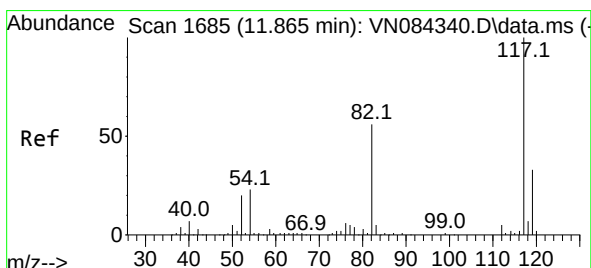
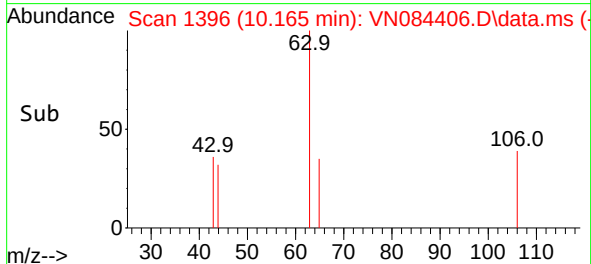
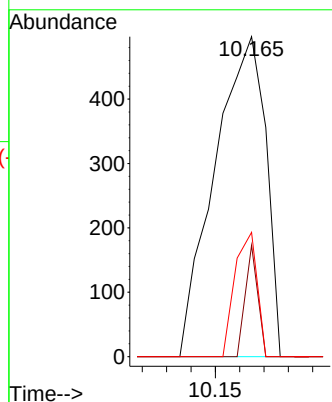
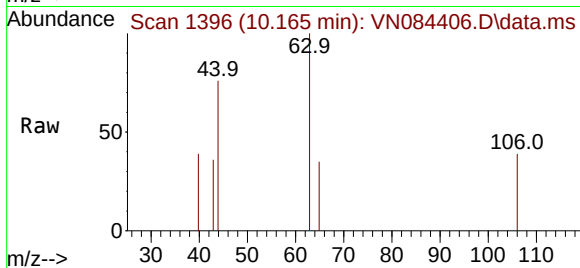




#55
2-Chloroethyl vinyl ether
Concen: 0.580 ug/l
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

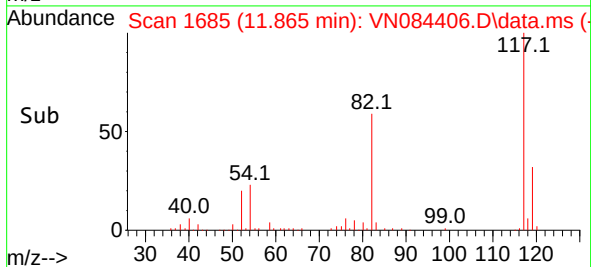
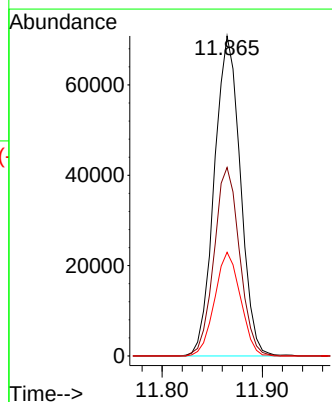
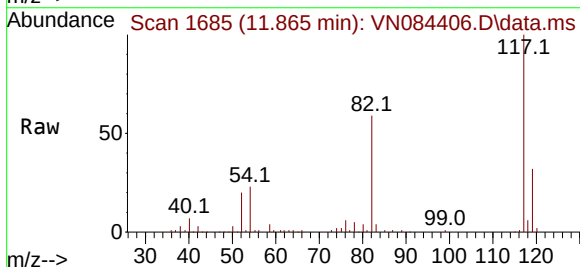
Instrument :
MSVOA_N
ClientSampleId :

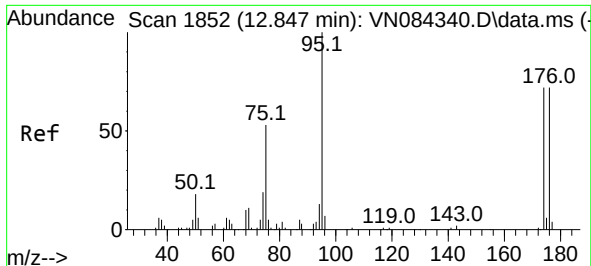
Tgt Ion: 63 Resp: 722
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#
106 16.9 21.6 32.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Tgt Ion: 117 Resp: 127757
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.4
119 32.1 25.4 38.2

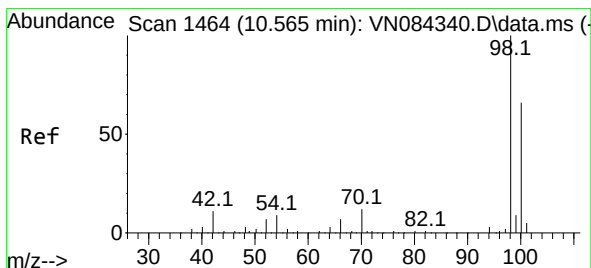
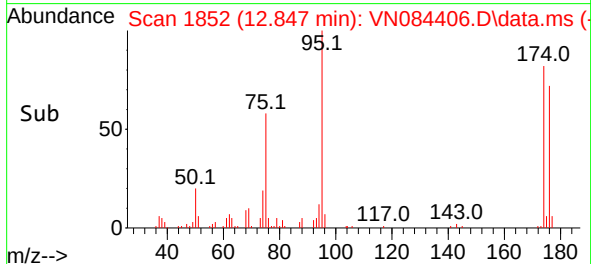
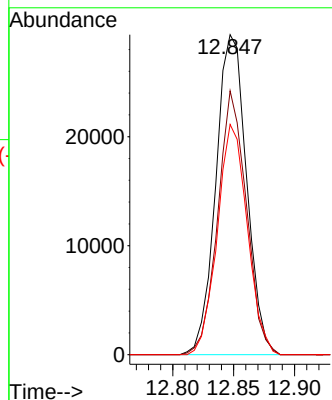
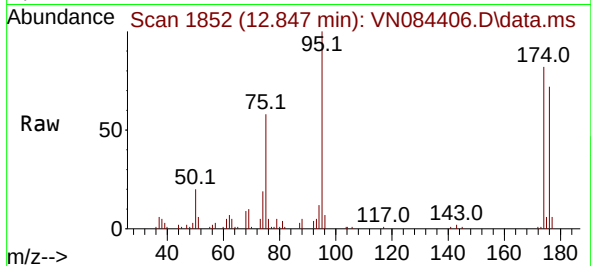




#60
4-Bromofluorobenzene
Concen: 24.442 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

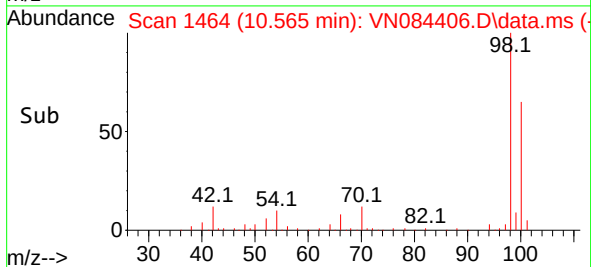
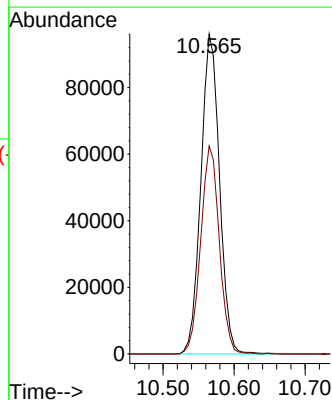
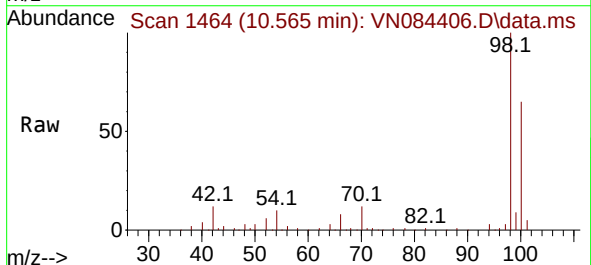
Instrument :
MSVOA_N
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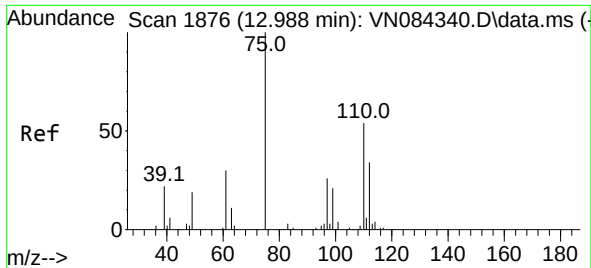
Tgt Ion: 95 Resp: 51537
Ion Ratio Lower Upper
95 100
174 76.9 58.2 87.2
176 70.3 56.4 84.6



#63
Toluene-d8
Concen: 29.688 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Tgt Ion: 98 Resp: 175707
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

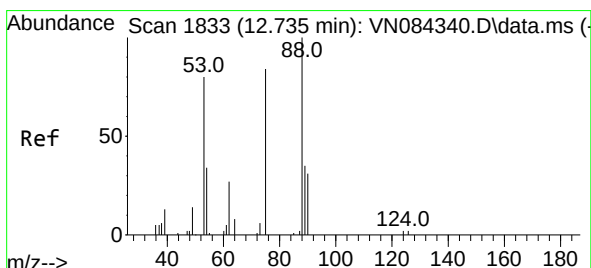
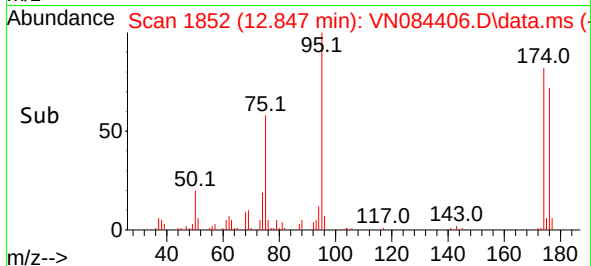
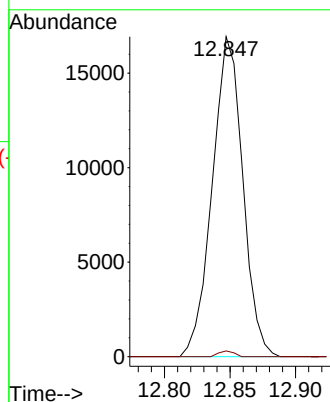
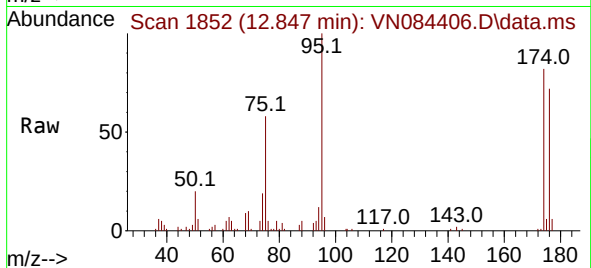




#72
1,2,3-Trichloropropane
Concen: 13.623 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

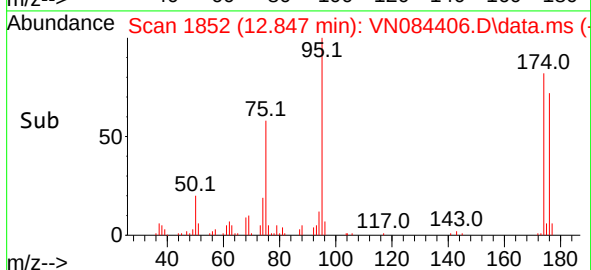
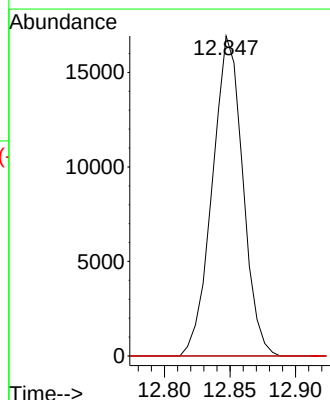
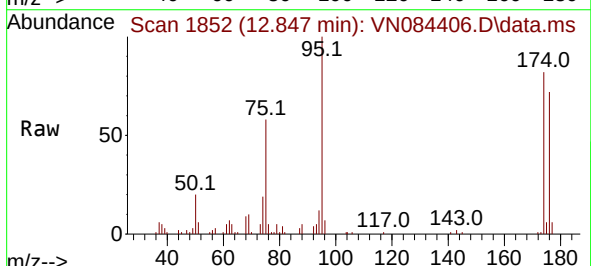
Instrument :
MSVOA_N
ClientSampleId :

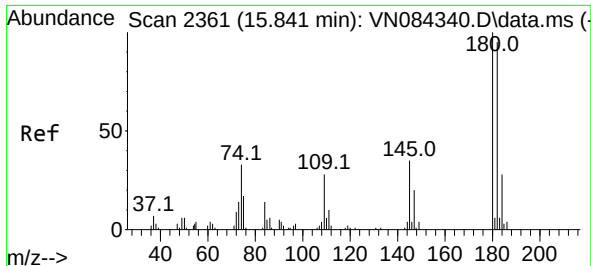
Tgt Ion: 75 Resp: 27376
Ion Ratio Lower Upper
75 100
77 0.9 0.0 414.0



#77
t-1,4-Dichloro-2-butene
Concen: 31.879 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Tgt Ion: 75 Resp: 27376
Ion Ratio Lower Upper
75 100
53 0.0 47.3 142.0#
89 0.0 22.9 68.8#





#89

1,2,4-Trichlorobenzene

Concen: 0.347 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.006 min

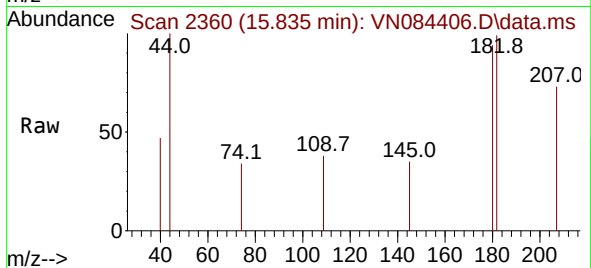
Lab File: VN084406.D

Acq: 14 Oct 2024 11:07

Instrument :

MSVOA_N

ClientSampleId :



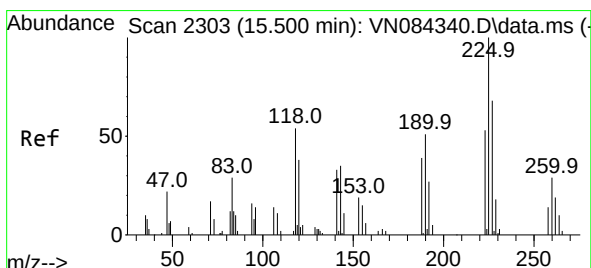
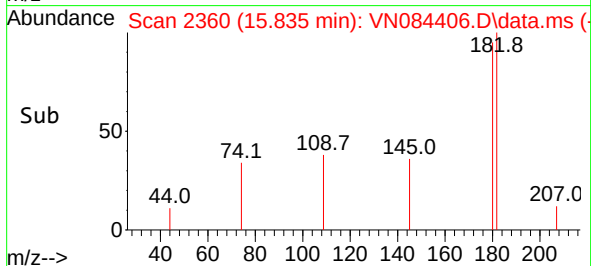
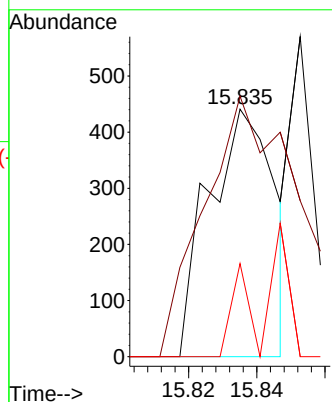
Tgt Ion:180 Resp: 596

Ion Ratio Lower Upper

180 100

182 144.0 77.8 116.6#

145 9.9 28.9 43.3#



#90

Hexachlorobutadiene

Concen: 0.422 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN084406.D

Acq: 14 Oct 2024 11:07

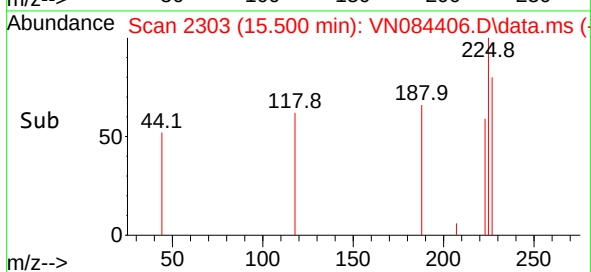
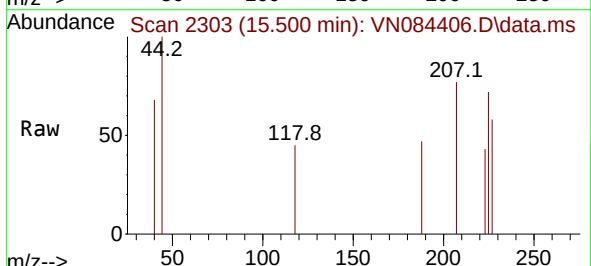
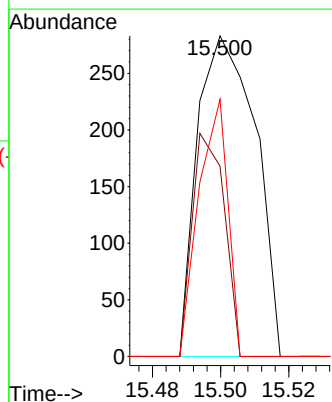
Tgt Ion:225 Resp: 335

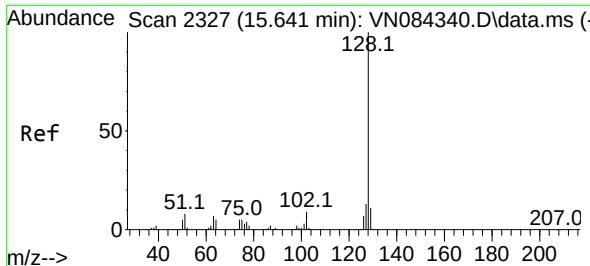
Ion Ratio Lower Upper

225 100

223 38.5 0.0 124.0

227 40.0 0.0 130.8

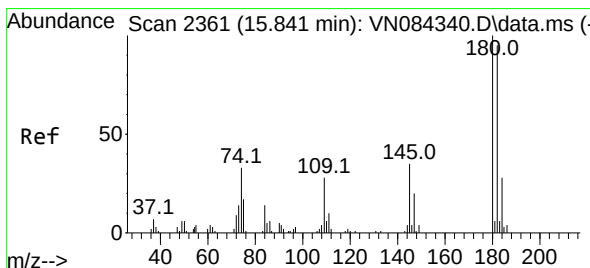
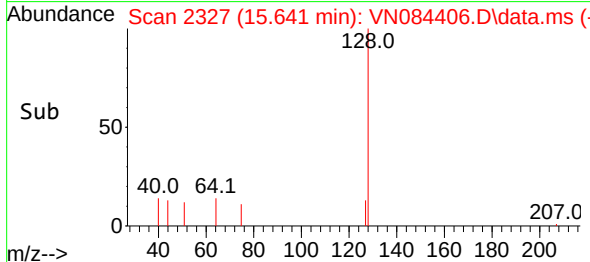
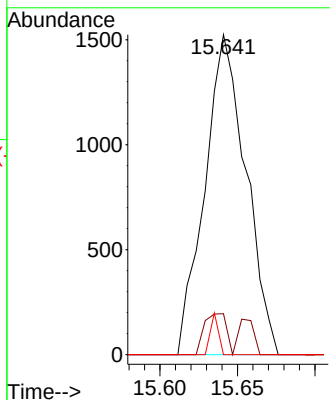
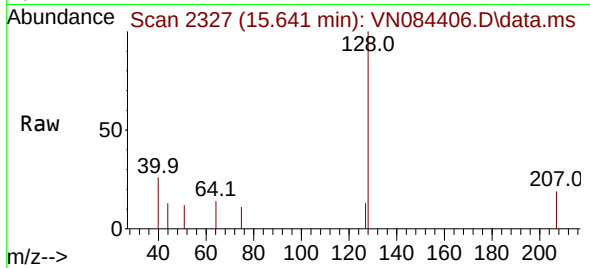




#91
Naphthalene
Concen: 0.483 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.9	10.3	15.5#
129	0.0	8.8	13.2#



#92
1,2,3-Trichlorobenzene
Concen: 0.347 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084406.D
Acq: 14 Oct 2024 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	144.0	0.0	194.4
145	9.9	0.0	72.2

