

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084346.D
 Acq On : 08 Oct 2024 13:45
 Operator : JC\MD
 Sample : VN1008WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 02:30:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:21:08 2024
 Response via : Initial Calibration

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

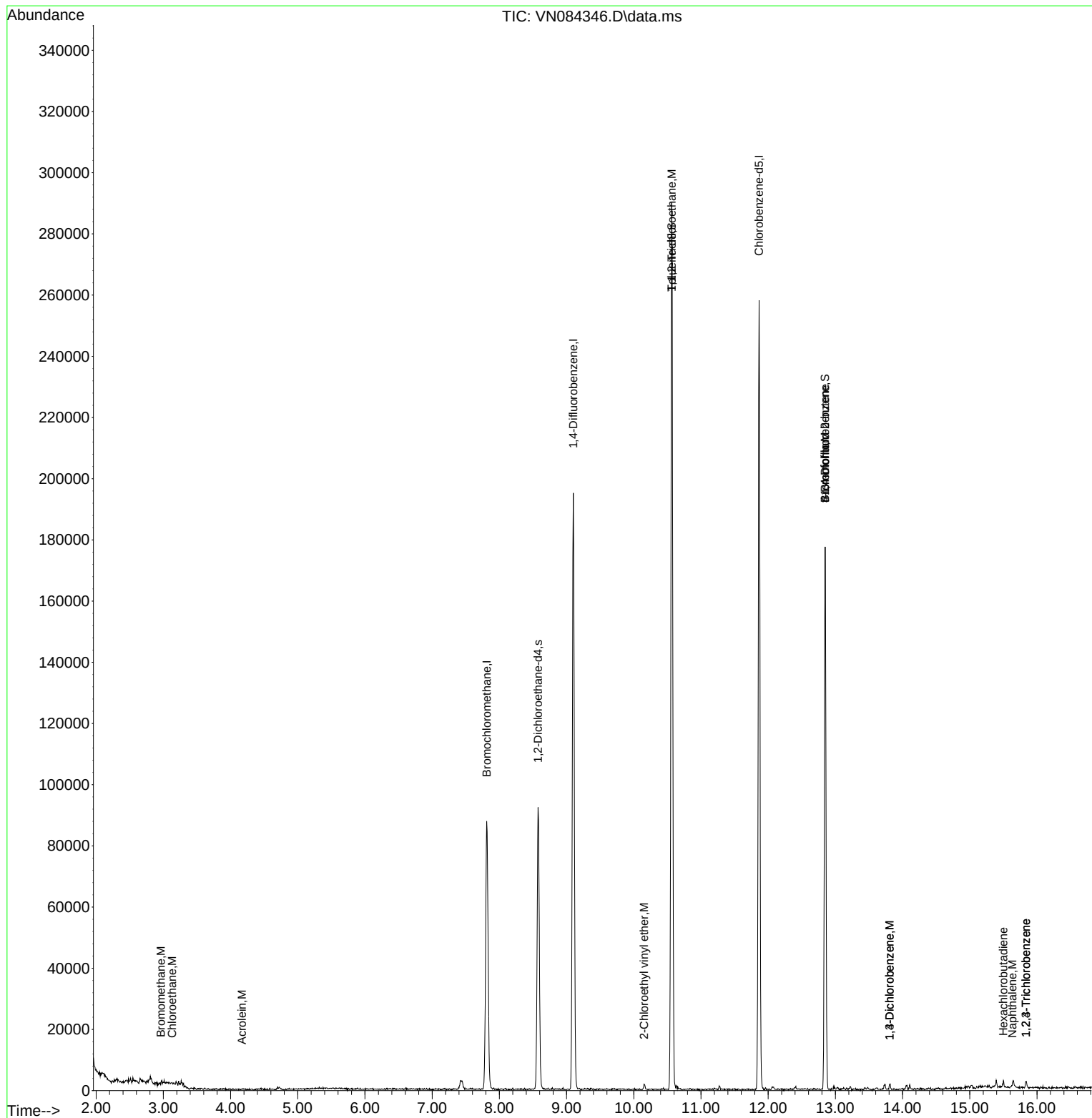
Internal Standards						
1) Bromochloromethane	7.812	128	30307	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	164744	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	147299	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77450	31.742	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.800%
60) 4-Bromofluorobenzene	12.847	95	61537	25.313	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.367%
63) Toluene-d8	10.565	98	200328	29.357	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.867%
Target Compounds						Qvalue
5) Bromomethane	2.965	94	339	0.248	ug/l	99
6) Chloroethane	3.130	64	273	0.202	ug/l #	40
13) Acrolein	4.171	56	128	0.292	ug/l #	14
50) 1,1,2-Trichloroethane	10.565	97	6422	3.311	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.153	63	569	0.392	ug/l #	73
56) Bromoform	12.847	173	455	0.299	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	32198	32.520	ug/l #	12
83) 1,3-Dichlorobenzene	13.806	146	1154	0.293	ug/l	74
84) 1,4-Dichlorobenzene	13.806	146	1154	0.295	ug/l	73
89) 1,2,4-Trichlorobenzene	15.835	180	1150	0.581	ug/l #	66
90) Hexachlorobutadiene	15.500	225	631	0.689	ug/l	63
91) Naphthalene	15.635	128	1604	0.239	ug/l #	83
92) 1,2,3-Trichlorobenzene	15.835	180	1150	0.581	ug/l	66

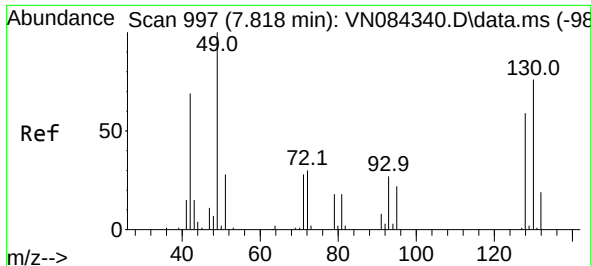
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
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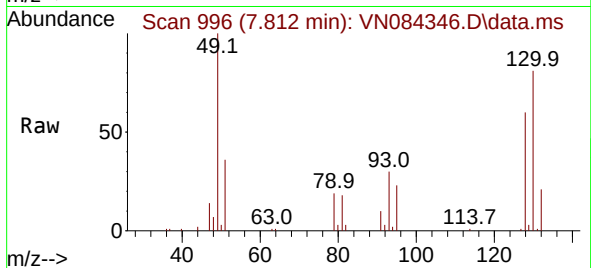
Quant Time: Oct 09 02:30:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
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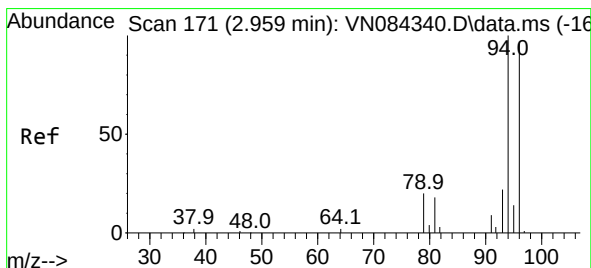
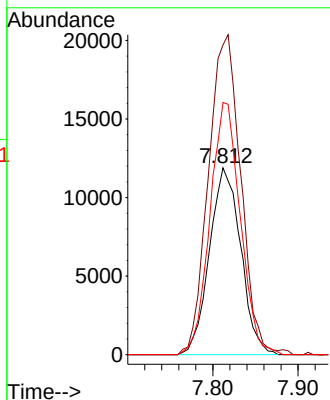
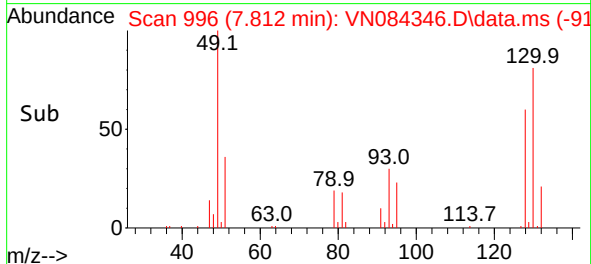


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :

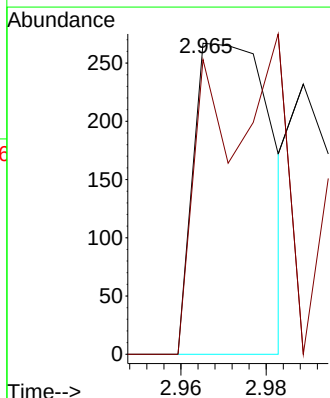
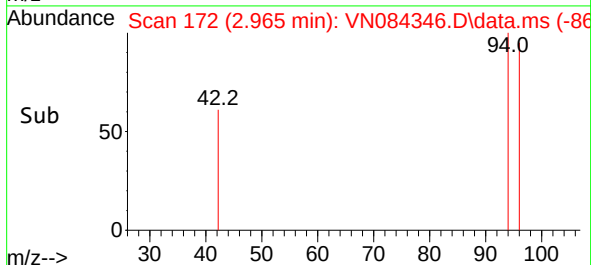
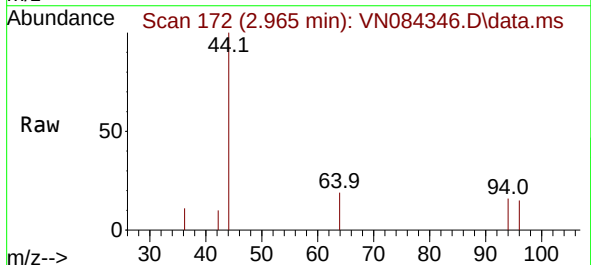


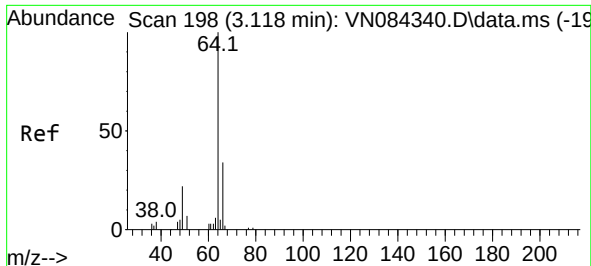
Tgt Ion:128 Resp: 30307
Ion Ratio Lower Upper
128 100
49 176.6 0.0 430.0
130 131.2 0.0 329.8



#5
Bromomethane
Concen: 0.248 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 94.8 76.7 115.1

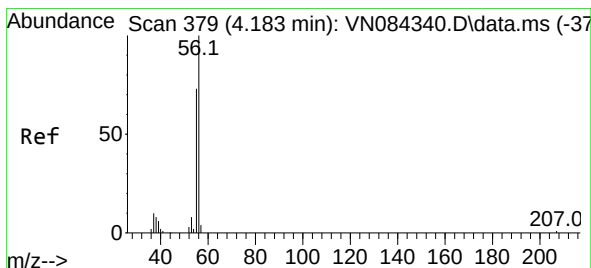
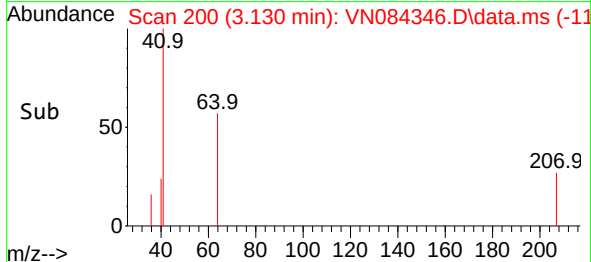
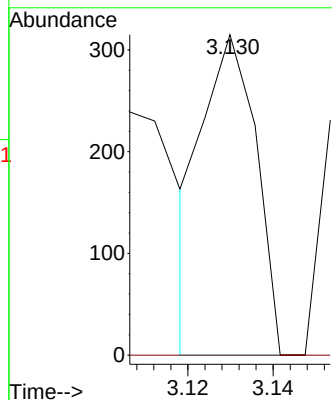
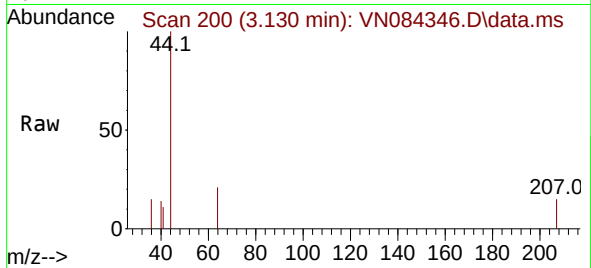




#6
Chloroethane
Concen: 0.202 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

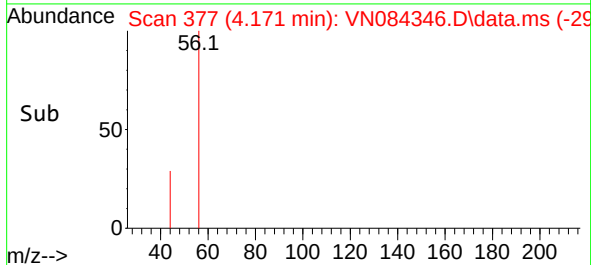
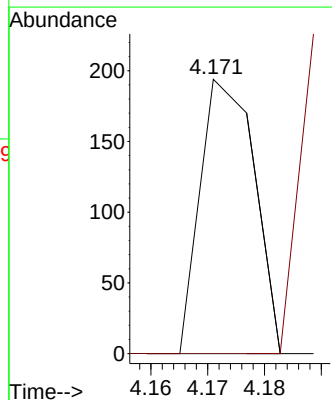
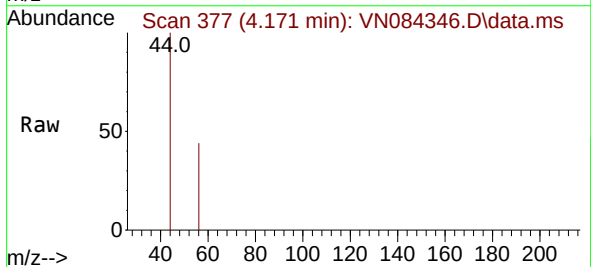
Instrument :
MSVOA_N
ClientSampleId :

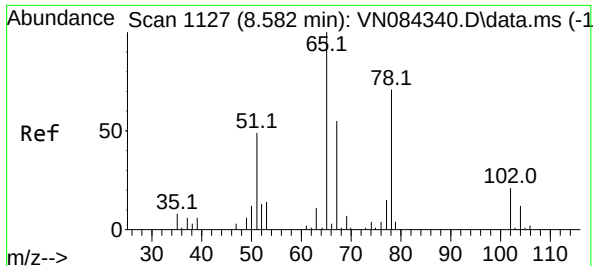
Tgt Ion: 64 Resp: 273
Ion Ratio Lower Upper
64 100
66 0.0 27.7 41.5#



#13
Acrolein
Concen: 0.292 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.012 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

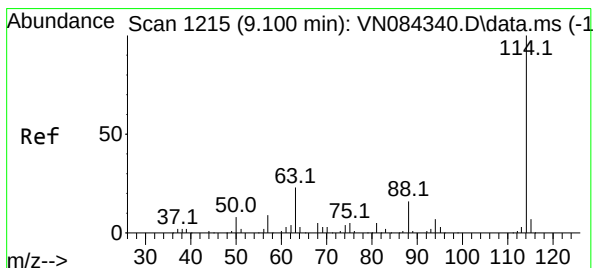
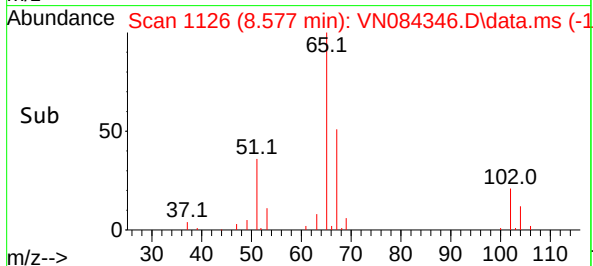
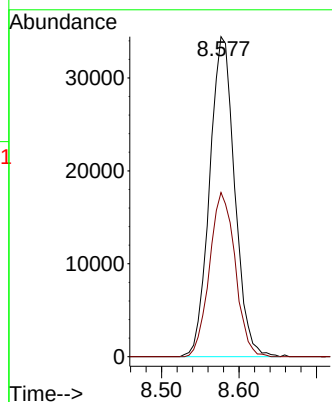
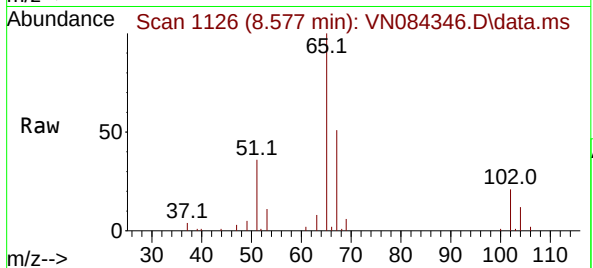




#27
1,2-Dichloroethane-d4
Concen: 31.742 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

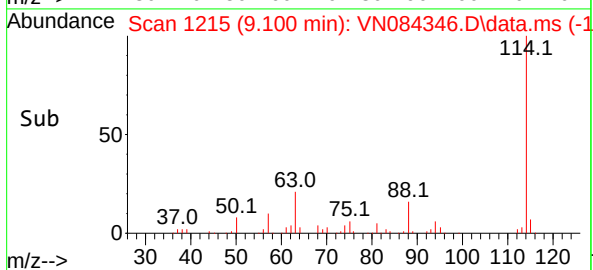
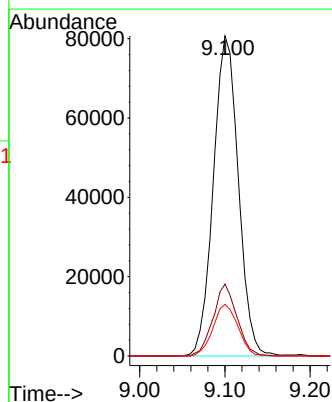
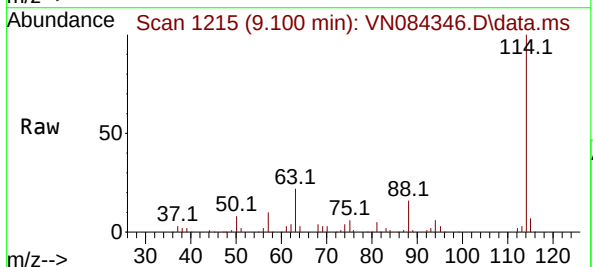
Instrument :
MSVOA_N
ClientSampleId :

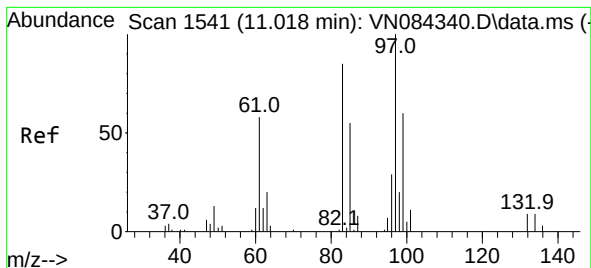
Tgt Ion: 65 Resp: 77450
Ion Ratio Lower Upper
65 100
67 52.4 41.5 62.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

Tgt Ion:114 Resp: 164744
Ion Ratio Lower Upper
114 100
63 21.4 17.4 26.0
88 16.1 13.2 19.8





#50

1,1,2-Trichloroethane

Concen: 3.311 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.453 min

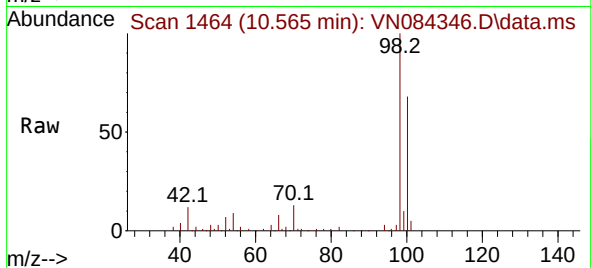
Lab File: VN084346.D

Acq: 08 Oct 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 6422

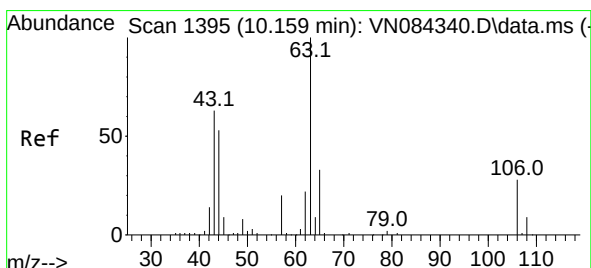
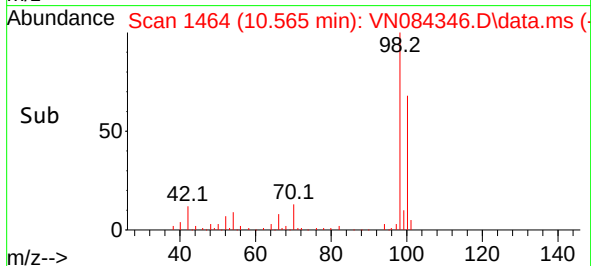
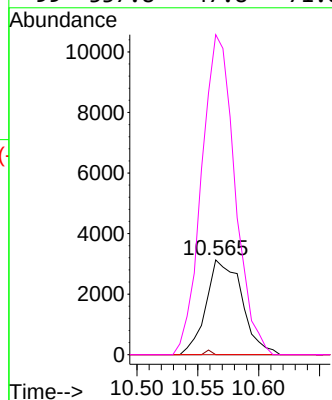
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.8#

85 0.0 44.2 66.2#

99 337.8 47.8 71.8#



#55

2-Chloroethyl vinyl ether

Concen: 0.392 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN084346.D

Acq: 08 Oct 2024 13:45

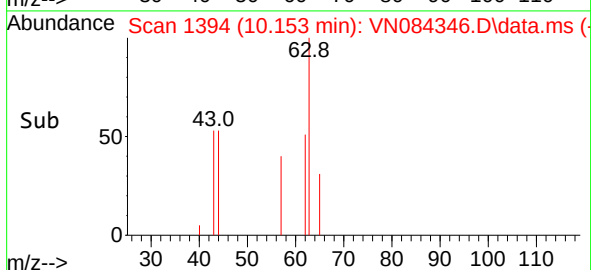
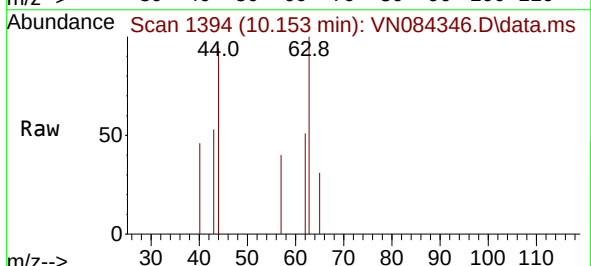
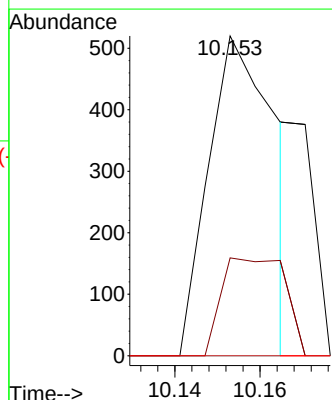
Tgt Ion: 63 Resp: 569

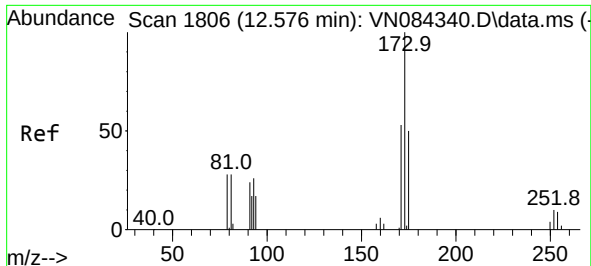
Ion Ratio Lower Upper

63 100

65 29.0 25.6 38.4

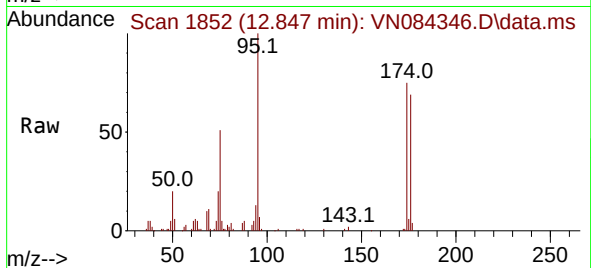
106 0.0 21.6 32.4#



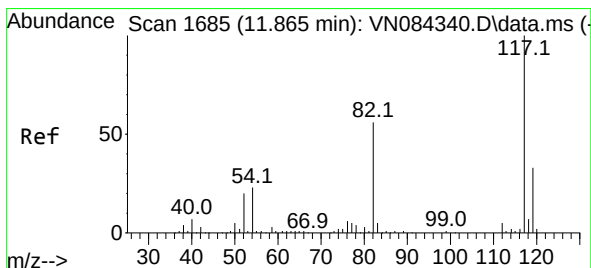
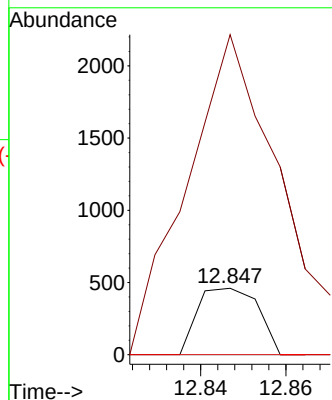
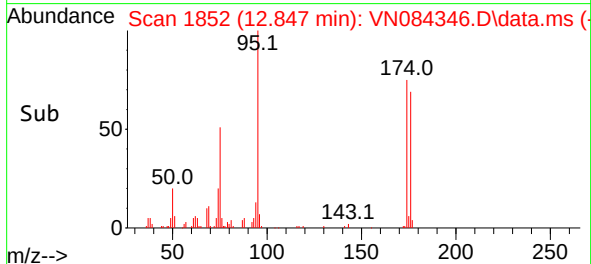


#56
Bromoform
Concen: 0.299 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :

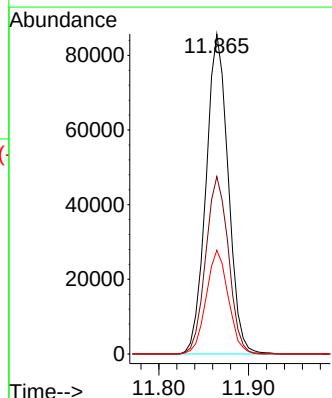
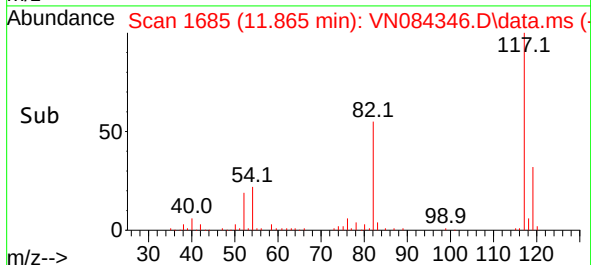
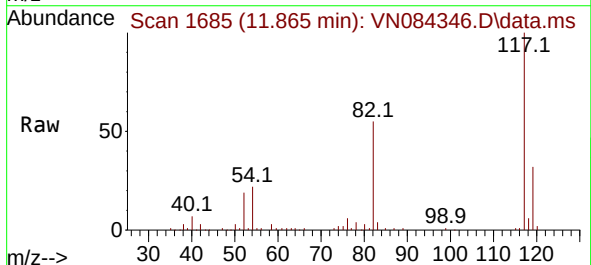


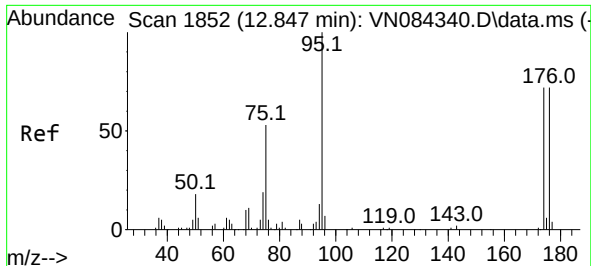
Tgt Ion:173 Resp: 455
Ion Ratio Lower Upper
173 100
175 734.1 39.4 59.2#
254 0.0 6.8 10.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

Tgt Ion:117 Resp: 147299
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 32.3 25.4 38.2

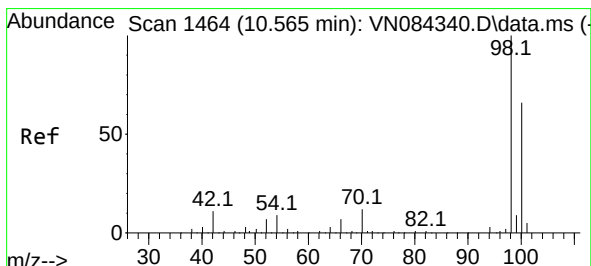
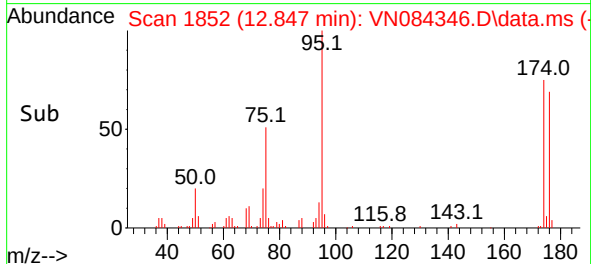
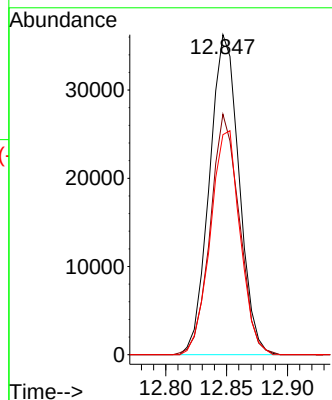
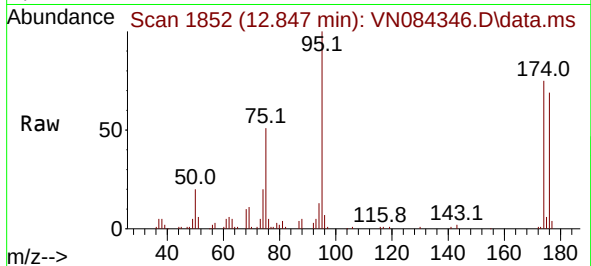




#60
4-Bromofluorobenzene
Concen: 25.313 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

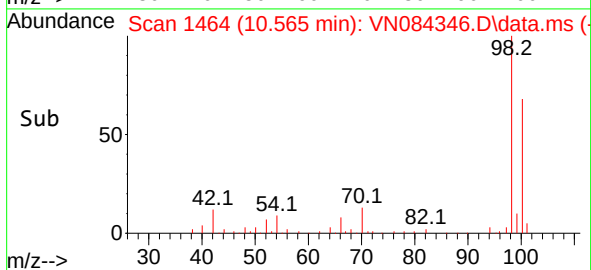
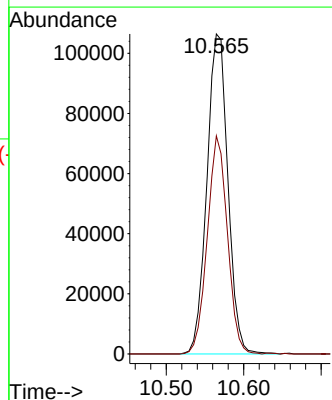
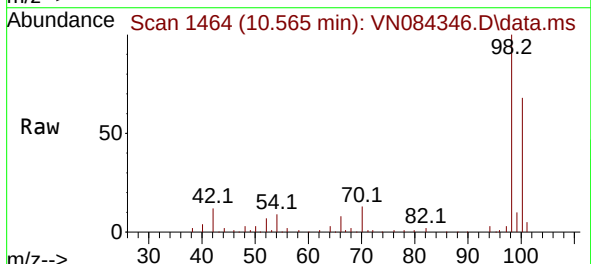
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MSVOA_N
ClientSampleId :

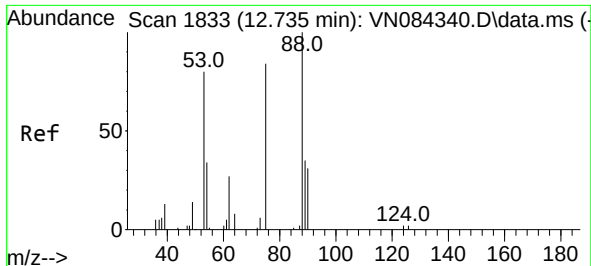
Tgt Ion: 95 Resp: 61537
Ion Ratio Lower Upper
95 100
174 73.7 58.2 87.2
176 70.3 56.4 84.6



#63
Toluene-d8
Concen: 29.357 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

Tgt Ion: 98 Resp: 200328
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7





#77

t-1,4-Dichloro-2-butene

Concen: 32.520 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN084346.D

Acq: 08 Oct 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

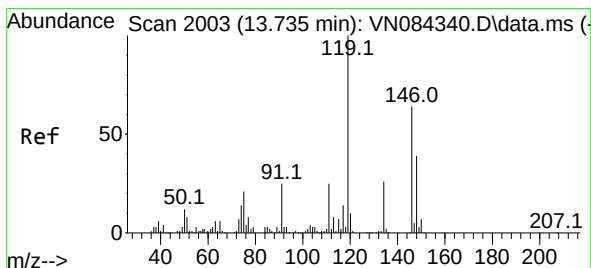
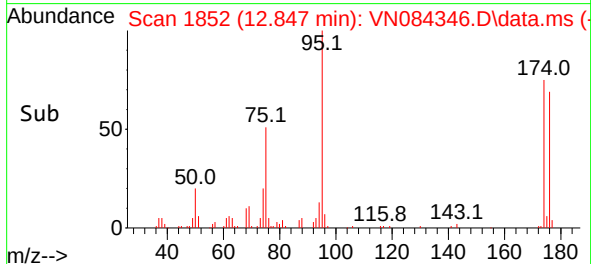
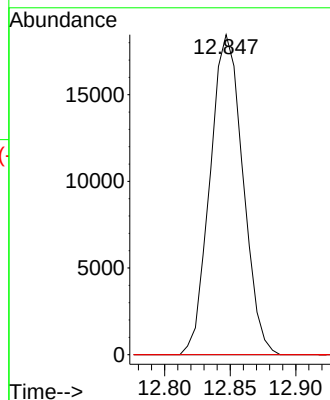
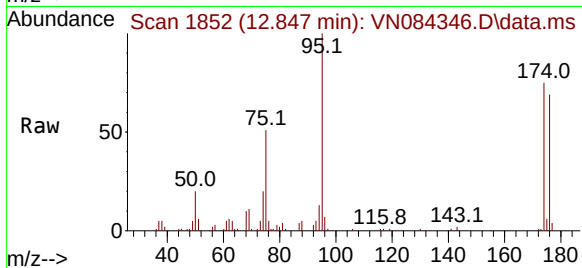
Tgt Ion: 75 Resp: 32198

Ion Ratio Lower Upper

75 100

53 0.0 47.3 142.0#

89 0.0 22.9 68.8#



#83

1,3-Dichlorobenzene

Concen: 0.293 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. 0.071 min

Lab File: VN084346.D

Acq: 08 Oct 2024 13:45

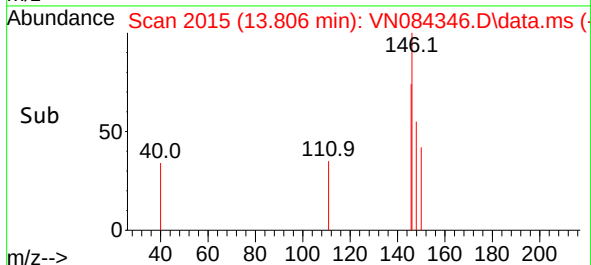
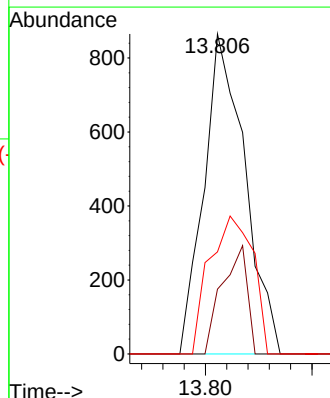
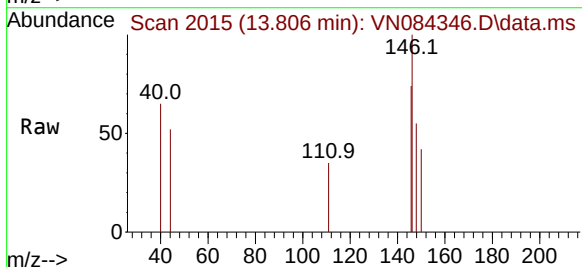
Tgt Ion: 146 Resp: 1154

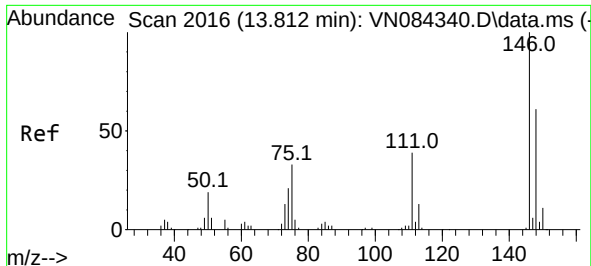
Ion Ratio Lower Upper

146 100

111 20.9 20.6 61.9

148 45.8 31.6 94.7

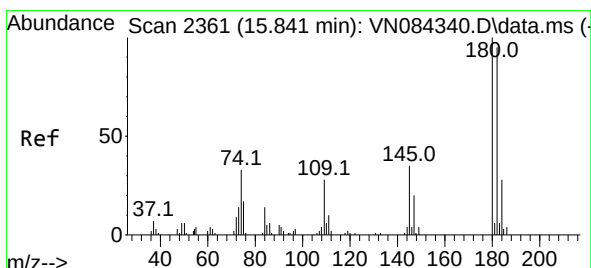
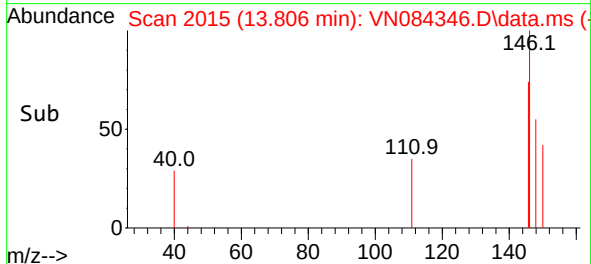
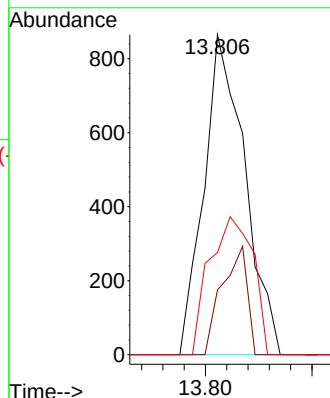
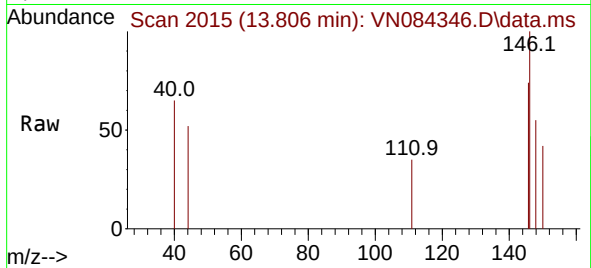




#84
1,4-Dichlorobenzene
Concen: 0.295 ug/l
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

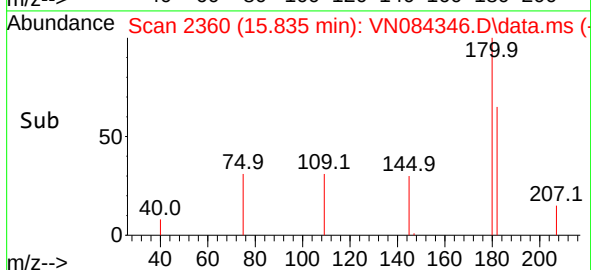
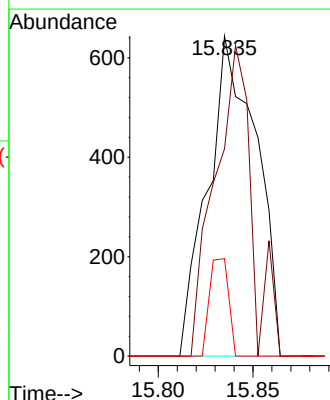
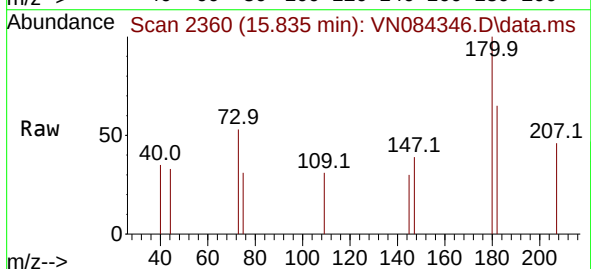
Instrument :
MSVOA_N
ClientSampleId :

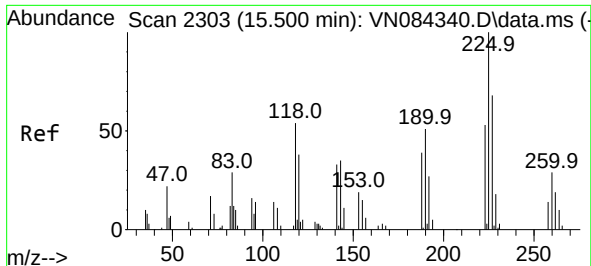
Tgt Ion:146 Resp: 1154
Ion Ratio Lower Upper
146 100
111 20.9 20.5 61.5
148 45.8 32.5 97.4



#89
1,2,4-Trichlorobenzene
Concen: 0.581 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

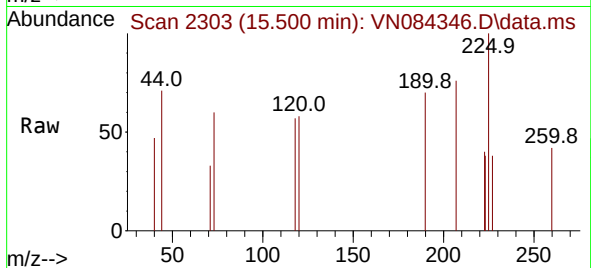
Tgt Ion:180 Resp: 1150
Ion Ratio Lower Upper
180 100
182 66.4 77.8 116.6#
145 11.9 28.9 43.3#



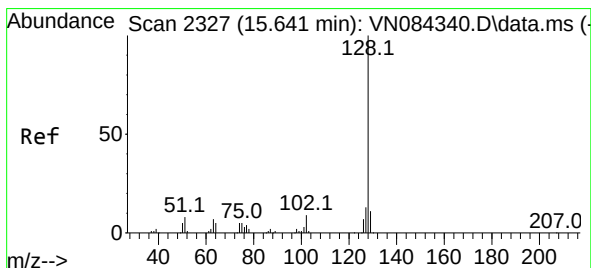
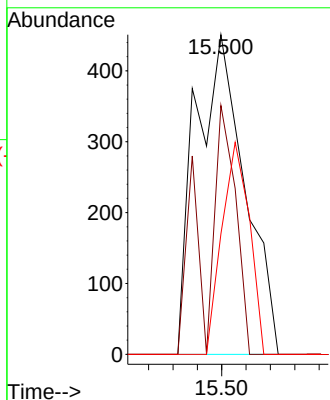
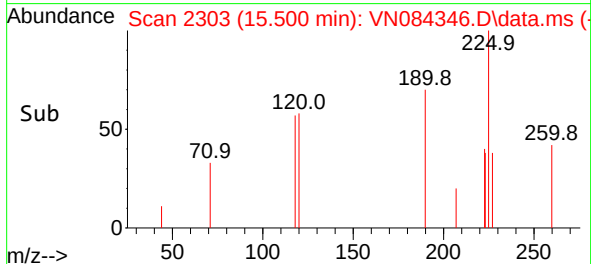


#90
Hexachlorobutadiene
Concen: 0.689 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

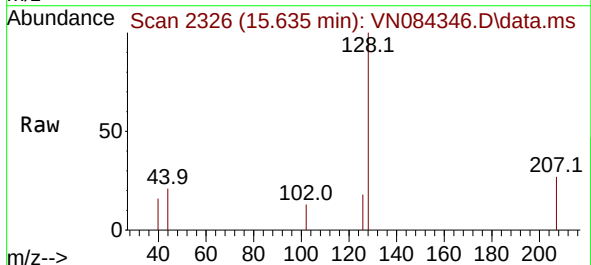
Instrument :
MSVOA_N
ClientSampleId :



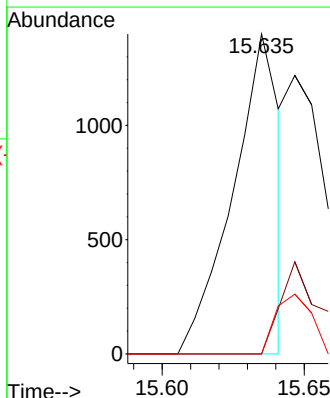
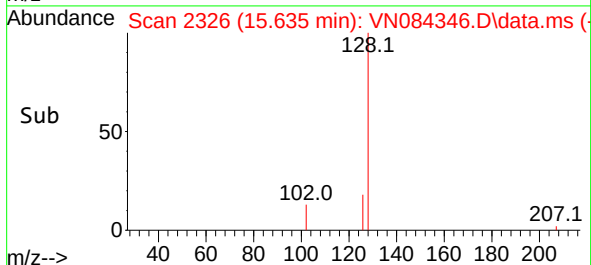
Tgt Ion:225 Resp: 631
Ion Ratio Lower Upper
225 100
223 32.6 0.0 124.0
227 37.1 0.0 130.8

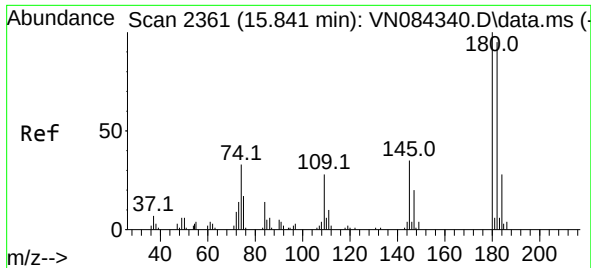


#91
Naphthalene
Concen: 0.239 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45



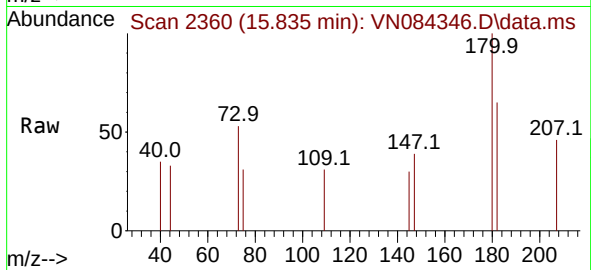
Tgt Ion:128 Resp: 1604
Ion Ratio Lower Upper
128 100
127 22.1 10.3 15.5#
129 14.3 8.8 13.2#





#92
1,2,3-Trichlorobenzene
Concen: 0.581 ug/l
RT: 15.835 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN084346.D
Acq: 08 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	180	Resp:	1150
Ion Ratio	Lower	Upper	
180	100		
182	66.4	0.0	194.4
145	11.9	0.0	72.2

