

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084871.D
 Acq On : 15 Nov 2024 16:00
 Operator : JC\MD
 Sample : P4844-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 22:26:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

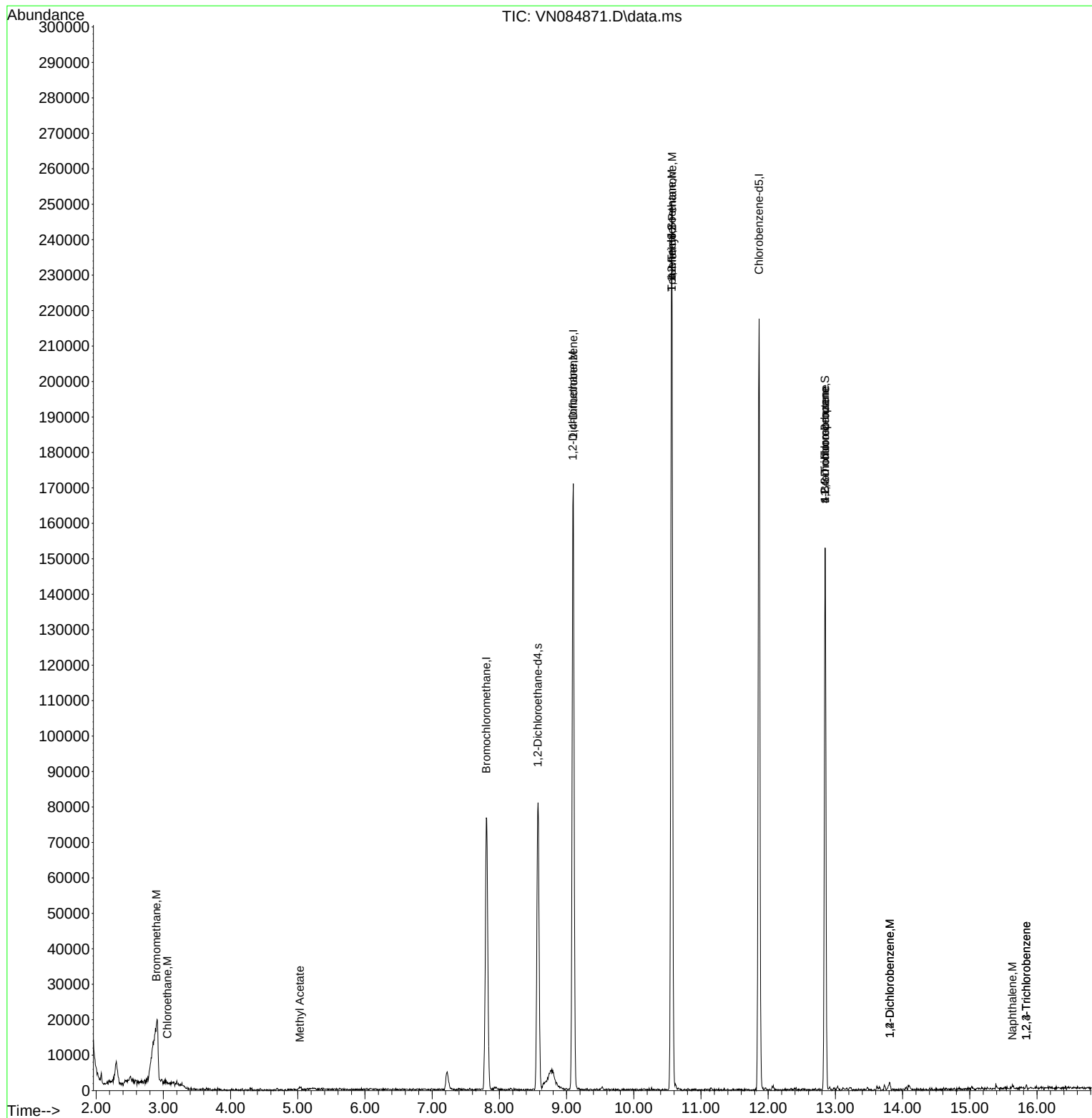
Internal Standards						
1) Bromochloromethane	7.806	128	28914	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	145852	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	125740	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	68713	29.560	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.533%		
60) 4-Bromofluorobenzene	12.847	95	52683	24.334	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	81.100%		
63) Toluene-d8	10.565	98	169501	28.475	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.933%		
Target Compounds						Qvalue
5) Bromomethane	2.895	94	231	0.242	ug/l #	4
6) Chloroethane	3.059	64	406	0.329	ug/l #	47
12) Methyl Acetate	5.030	43	783	0.298	ug/l #	83
36) 1,2-Dichloroethane	9.094	62	5622	2.328	ug/l #	74
50) 1,1,2-Trichloroethane	10.565	97	5955	3.631	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	715	0.360	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	27221	14.244	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27221	34.730	ug/l #	7
84) 1,4-Dichlorobenzene	13.812	146	919	0.282	ug/l	92
87) 1,2-Dichlorobenzene	13.812	146	919	0.283	ug/l	89
89) 1,2,4-Trichlorobenzene	15.841	180	431	0.273	ug/l #	56
91) Naphthalene	15.635	128	1394	0.276	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.841	180	431	0.273	ug/l #	56

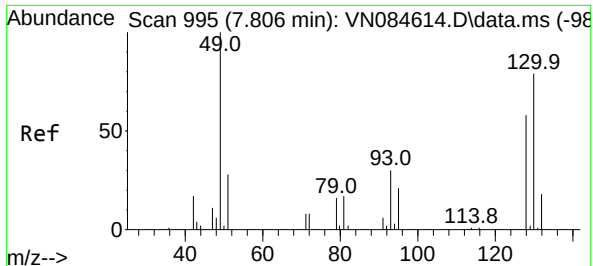
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 15 22:26:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

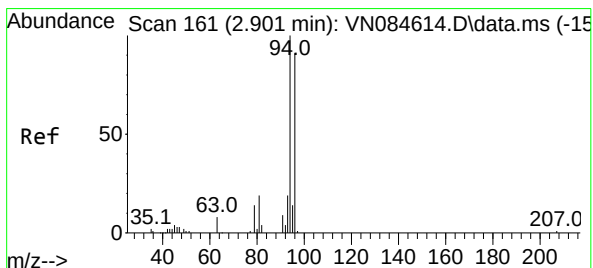
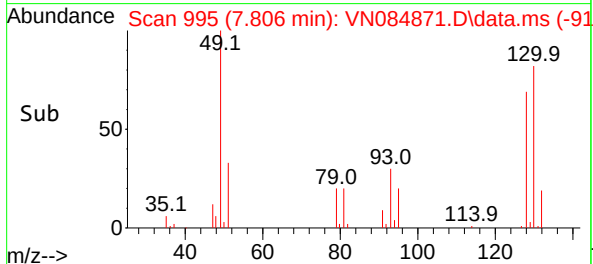
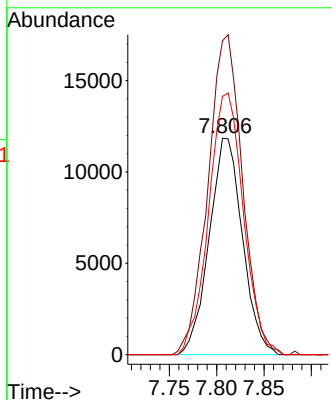
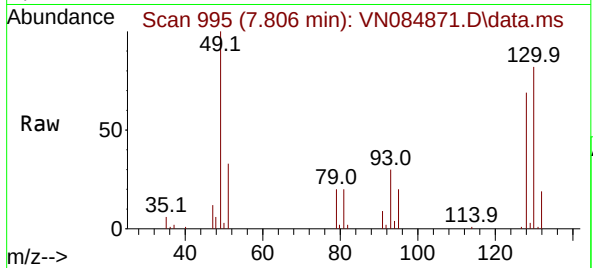




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

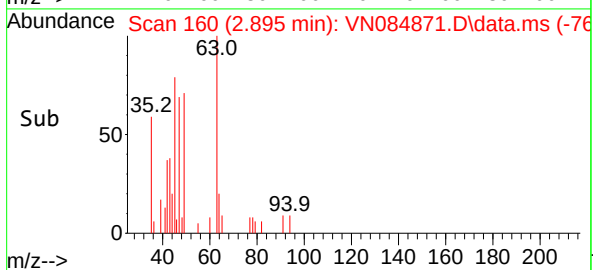
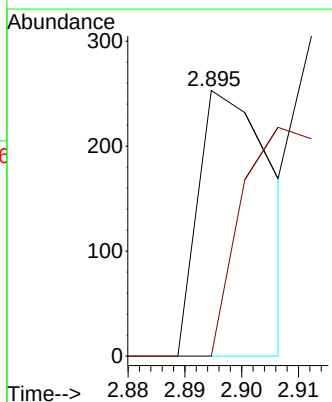
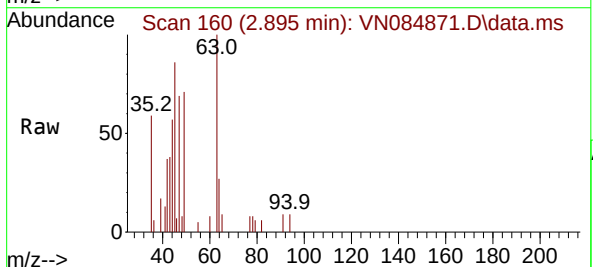
Instrument :
MSVOA_N
ClientSampleId :

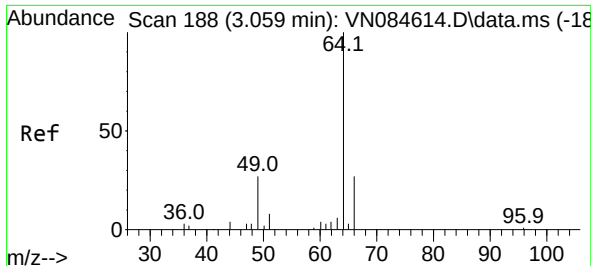
Tgt Ion:128 Resp: 28914
Ion Ratio Lower Upper
128 100
49 153.9 0.0 427.0
130 127.0 0.0 322.2



#5
Bromomethane
Concen: 0.242 ug/l
RT: 2.895 min Scan# 160
Delta R.T. -0.006 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

Tgt Ion: 94 Resp: 231
Ion Ratio Lower Upper
94 100
96 0.0 72.7 109.1#

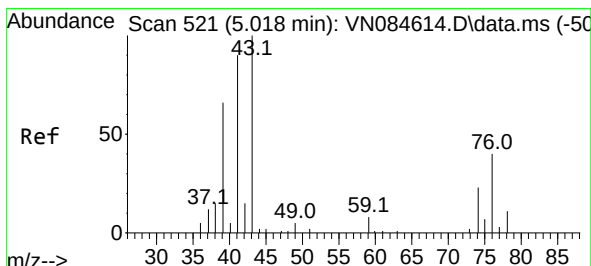
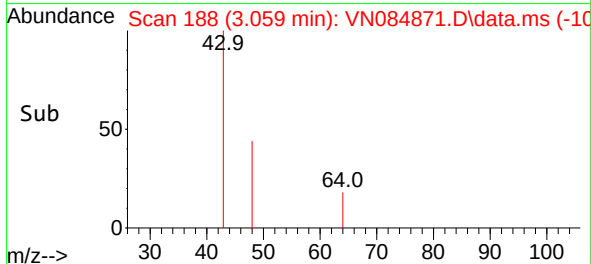
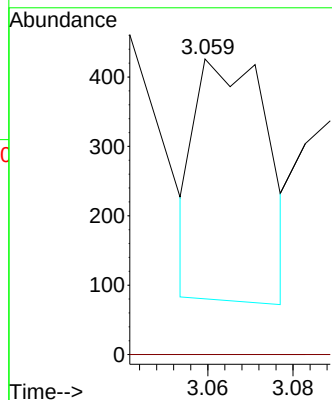
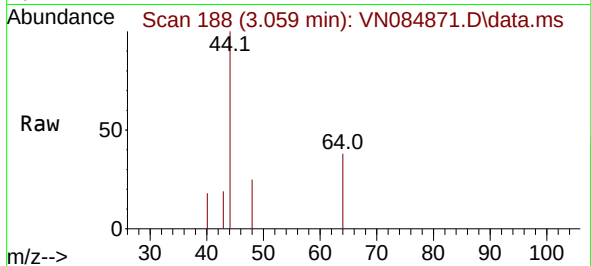




#6
Chloroethane
Concen: 0.329 ug/l
RT: 3.059 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

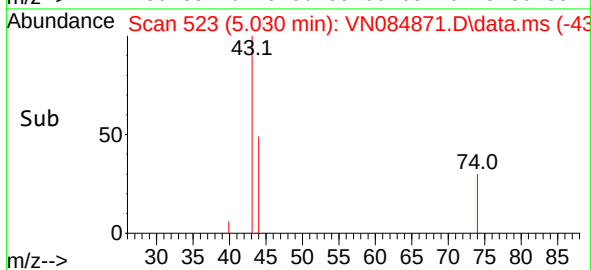
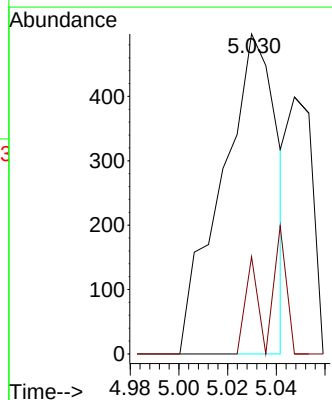
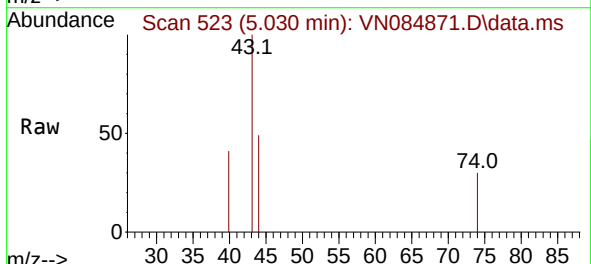
Instrument :
MSVOA_N
ClientSampleId :

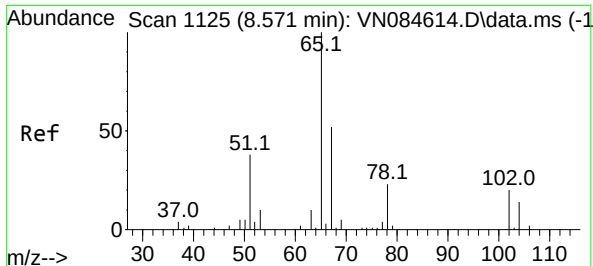
Tgt Ion: 64 Resp: 406
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#



#12
Methyl Acetate
Concen: 0.298 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
74 15.2 19.0 28.4#

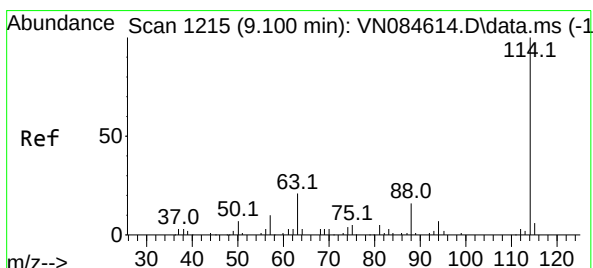
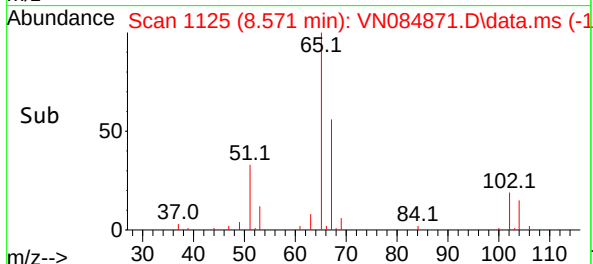
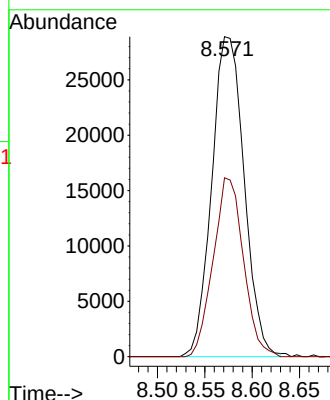
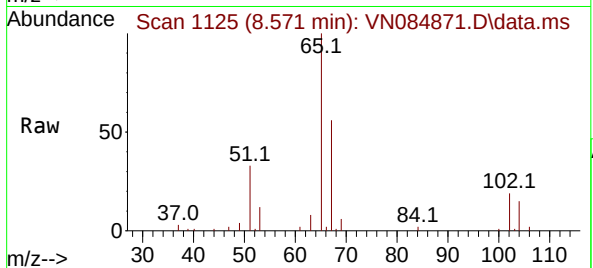




#27
1,2-Dichloroethane-d4
Concen: 29.560 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

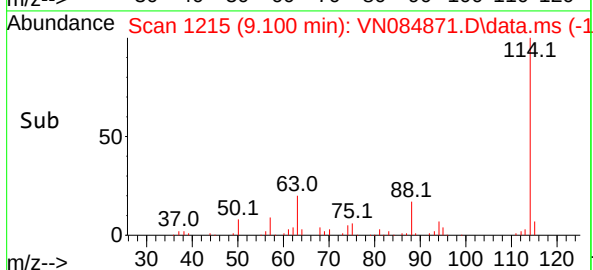
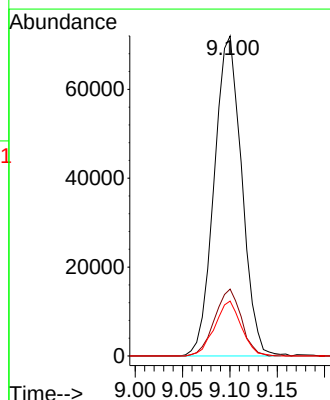
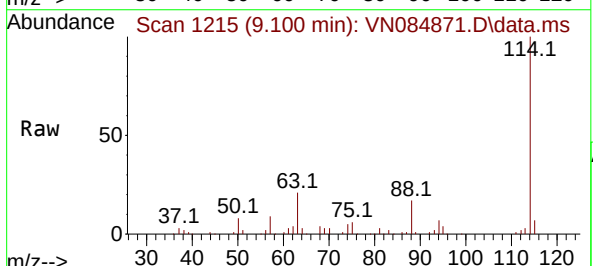
Instrument :
MSVOA_N
ClientSampleId :

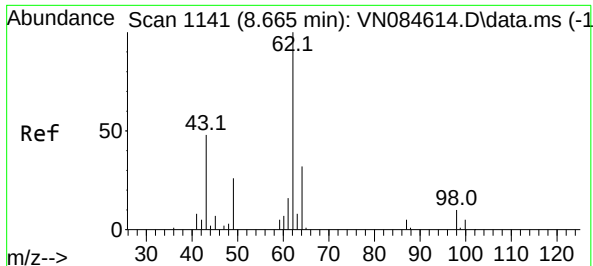
Tgt Ion: 65 Resp: 68713
Ion Ratio Lower Upper
65 100
67 52.2 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

Tgt Ion: 114 Resp: 145852
Ion Ratio Lower Upper
114 100
63 20.3 16.8 25.2
88 16.6 12.9 19.3

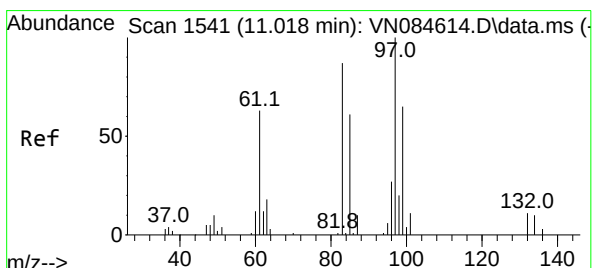
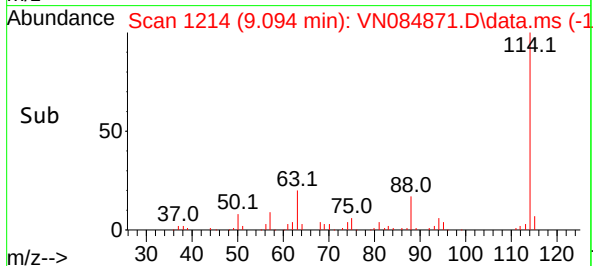
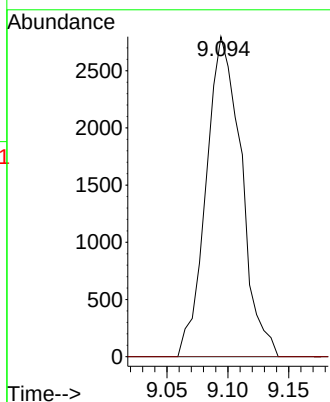
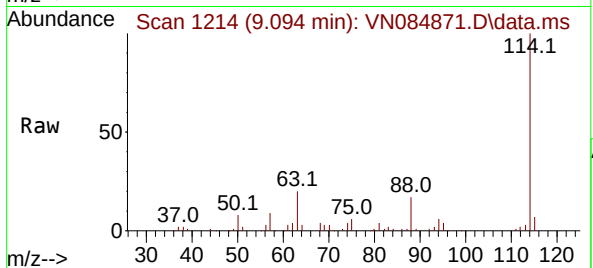




#36
1,2-Dichloroethane
Concen: 2.328 ug/l
RT: 9.094 min Scan# 1141
Delta R.T. 0.429 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

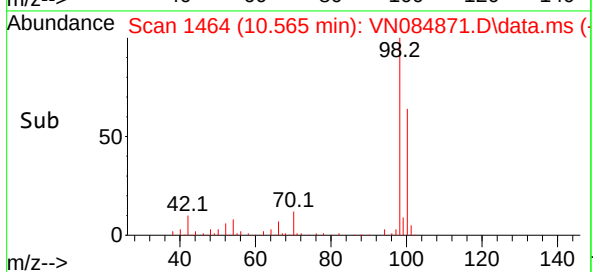
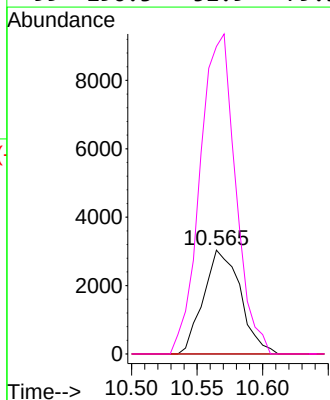
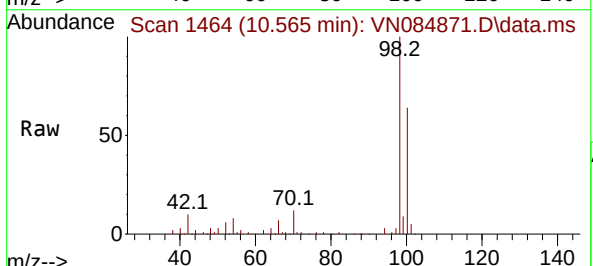
Instrument :
MSVOA_N
ClientSampleId :

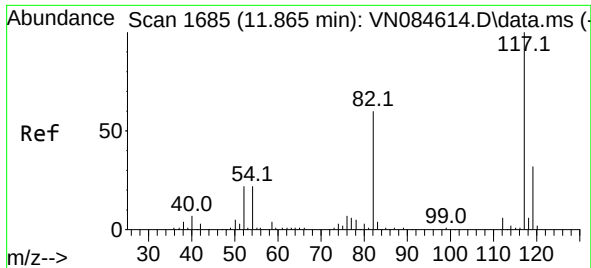
Tgt Ion: 62 Resp: 5622
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#



#50
1,1,2-Trichloroethane
Concen: 3.631 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.453 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

Tgt Ion: 97 Resp: 5955
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 48.6 73.0#
99 296.3 52.9 79.3#

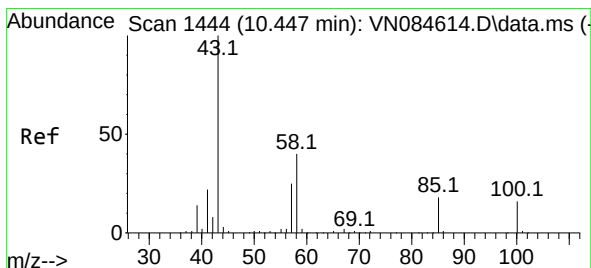
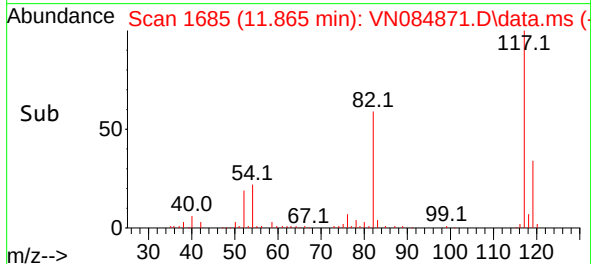
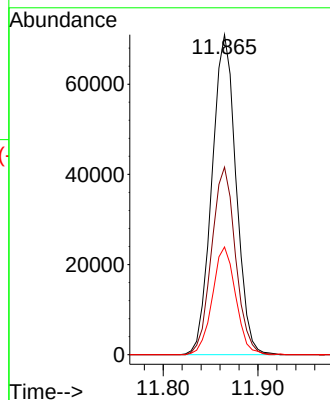
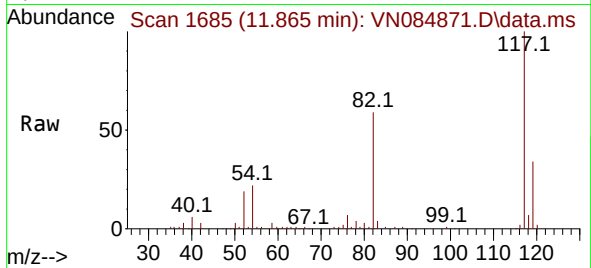




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

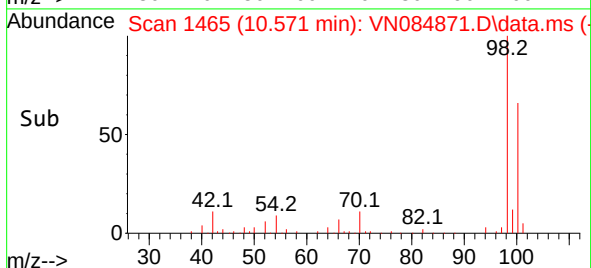
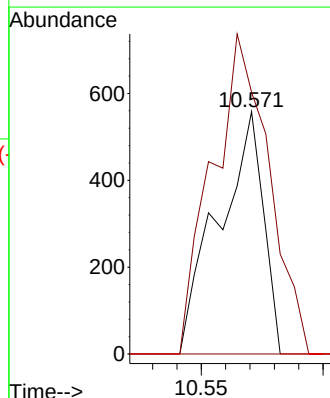
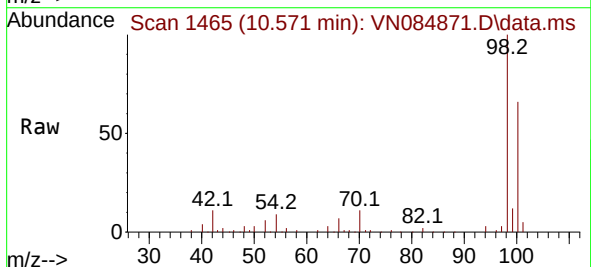
Instrument :
MSVOA_N
ClientSampleId :

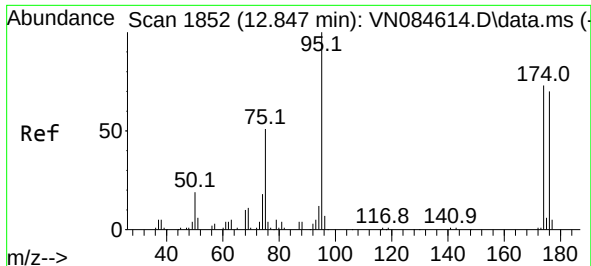
Tgt Ion:117 Resp: 125740
Ion Ratio Lower Upper
117 100
82 58.1 45.5 68.3
119 32.5 25.3 37.9



#58
4-Methyl-2-Pentanone
Concen: 0.360 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

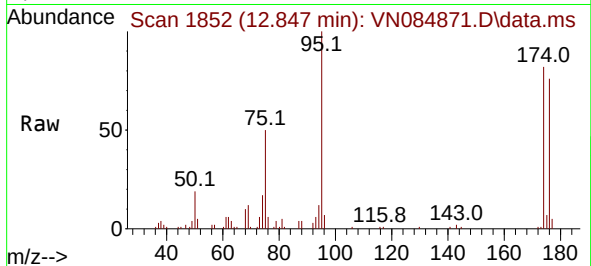
Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
58 166.4 31.2 46.8#
85 0.0 14.9 22.3#



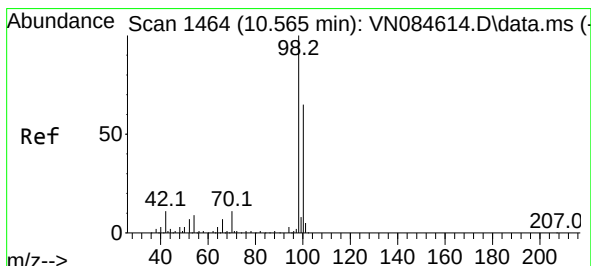
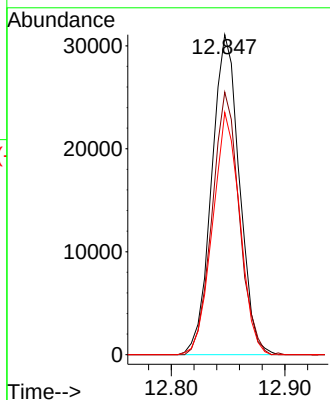
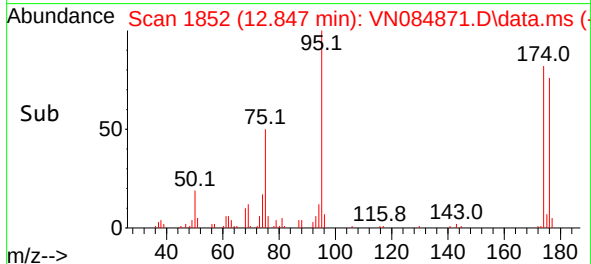


#60
4-Bromofluorobenzene
Concen: 24.334 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

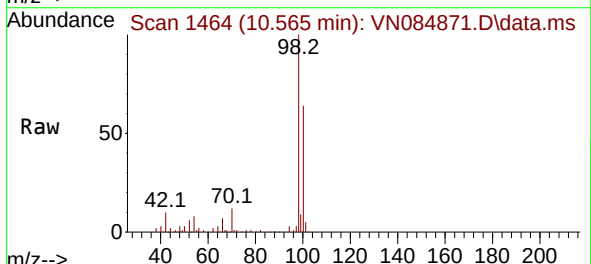
Instrument :
MSVOA_N
ClientSampleId :



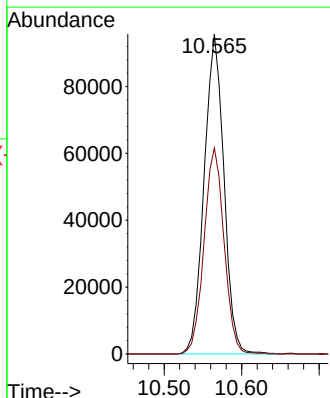
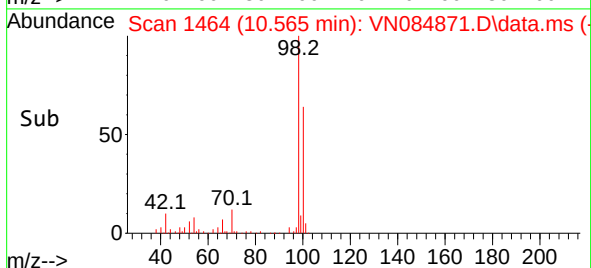
Tgt Ion: 95 Resp: 52683
Ion Ratio Lower Upper
95 100
174 80.1 59.6 89.4
176 74.3 58.6 88.0

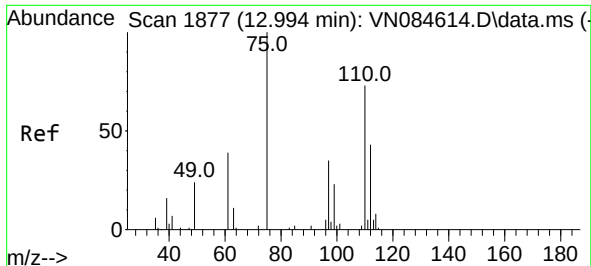


#63
Toluene-d8
Concen: 28.475 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00



Tgt Ion: 98 Resp: 169501
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2

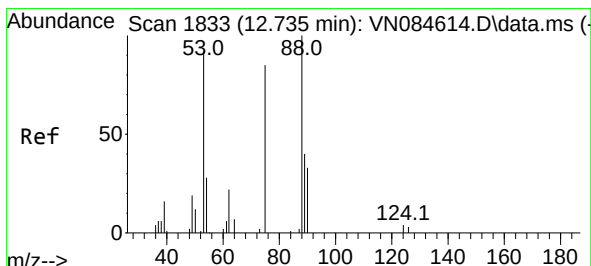
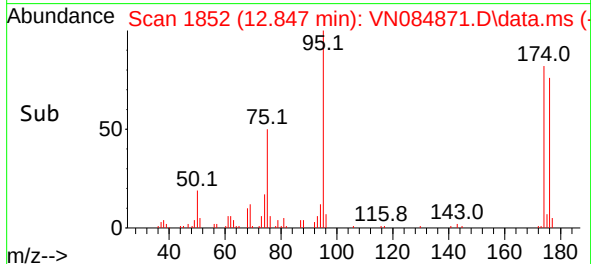
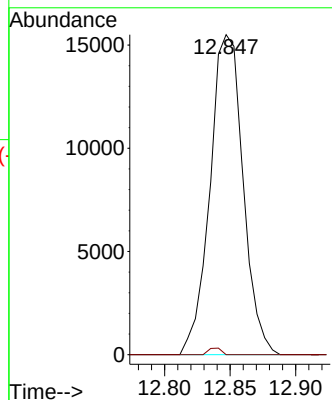
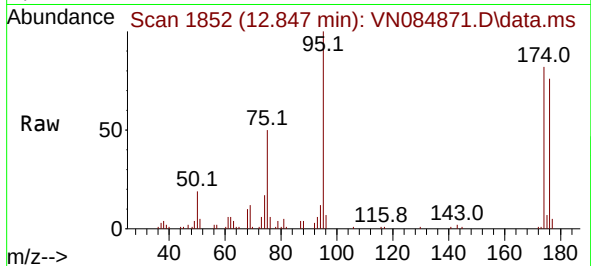




#72
1,2,3-Trichloropropane
Concen: 14.244 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

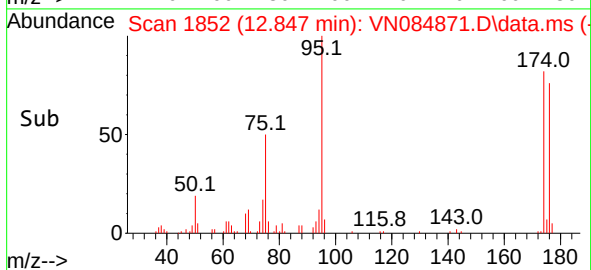
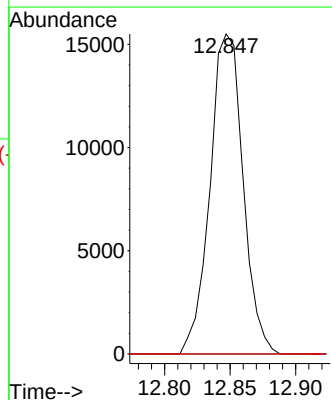
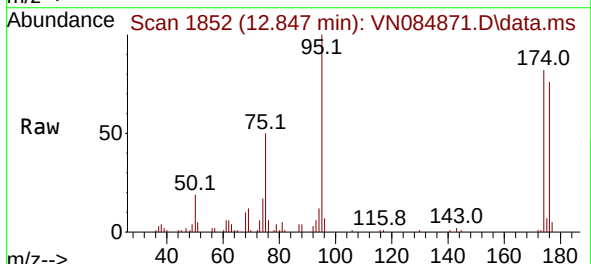
Instrument :
MSVOA_N
ClientSampleId :

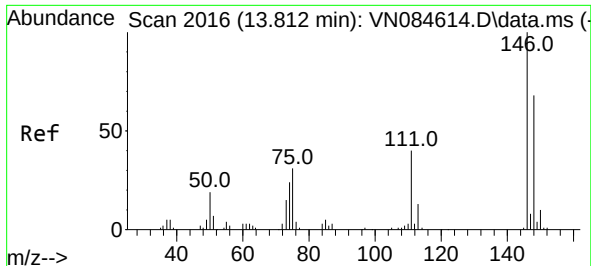
Tgt Ion: 75 Resp: 27221
Ion Ratio Lower Upper
75 100
77 0.8 0.0 358.4



#77
t-1,4-Dichloro-2-butene
Concen: 34.730 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

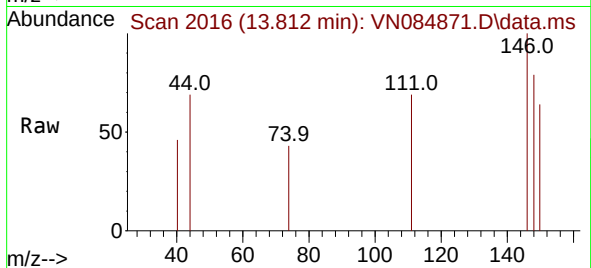
Tgt Ion: 75 Resp: 27221
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#



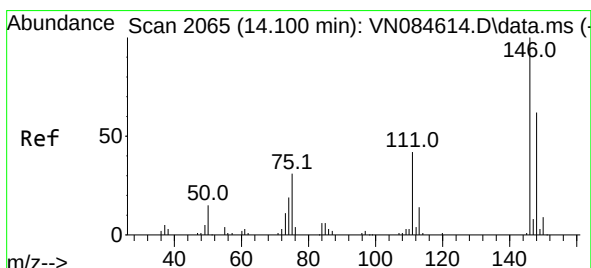
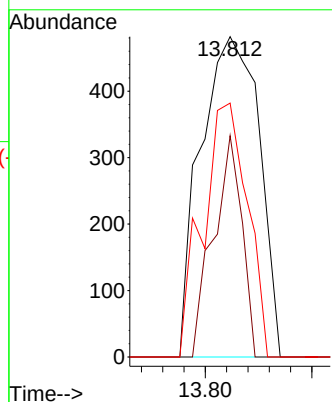
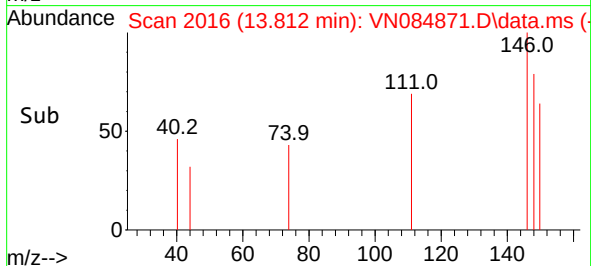


#84
1,4-Dichlorobenzene
Concen: 0.282 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00

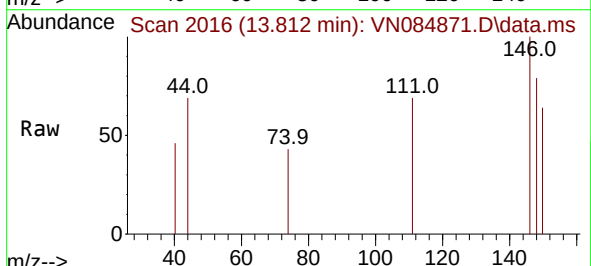
Instrument :
MSVOA_N
ClientSampleId :



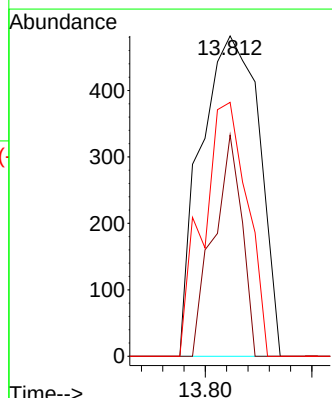
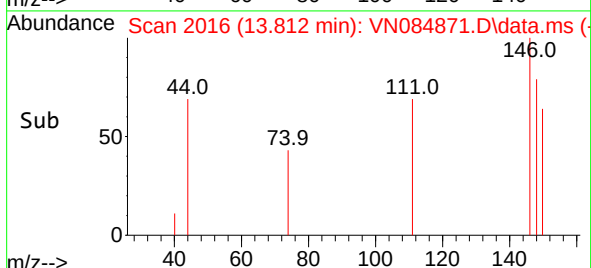
Tgt Ion:146 Resp: 919
Ion Ratio Lower Upper
146 100
111 33.7 20.2 60.5
148 60.4 32.6 98.0

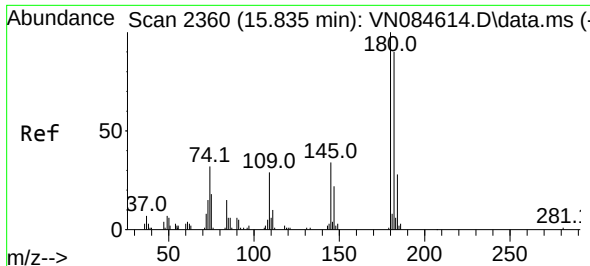


#87
1,2-Dichlorobenzene
Concen: 0.283 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.288 min
Lab File: VN084871.D
Acq: 15 Nov 2024 16:00



Tgt Ion:146 Resp: 919
Ion Ratio Lower Upper
146 100
111 33.7 22.4 67.0
148 60.4 32.6 98.0





#89

1,2,4-Trichlorobenzene

Concen: 0.273 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084871.D

Acq: 15 Nov 2024 16:00

Instrument :

MSVOA_N

ClientSampleId :

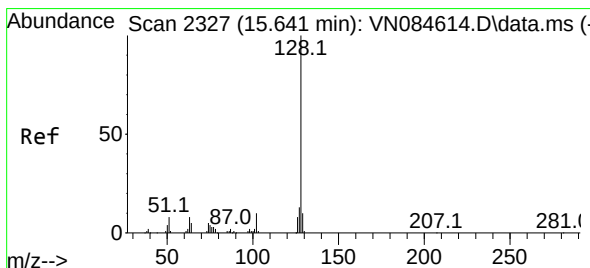
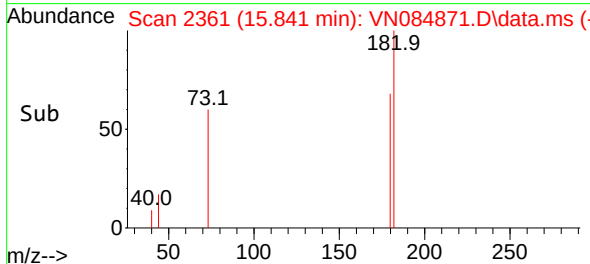
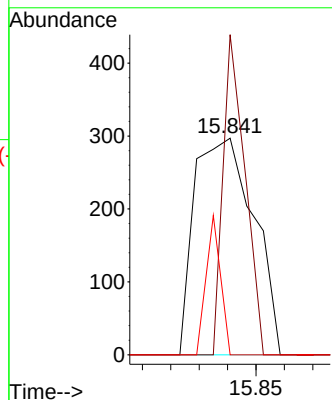
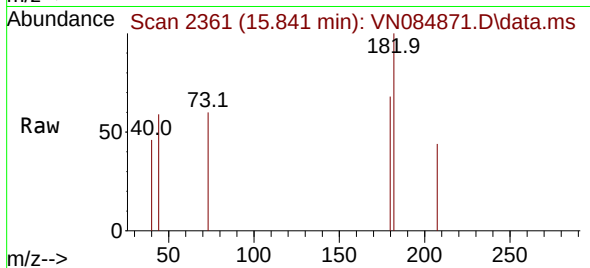
Tgt Ion:180 Resp: 431

Ion Ratio Lower Upper

180 100

182 55.0 73.0 109.6#

145 0.0 26.5 39.7#



#91

Naphthalene

Concen: 0.276 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN084871.D

Acq: 15 Nov 2024 16:00

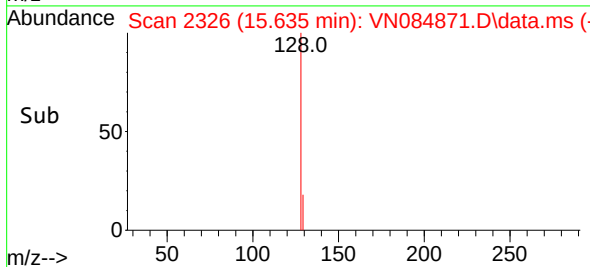
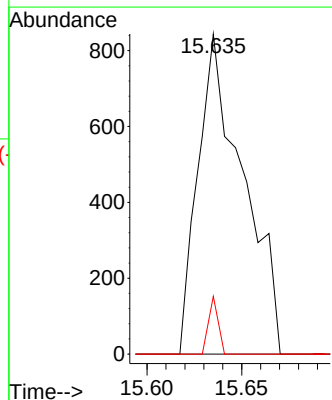
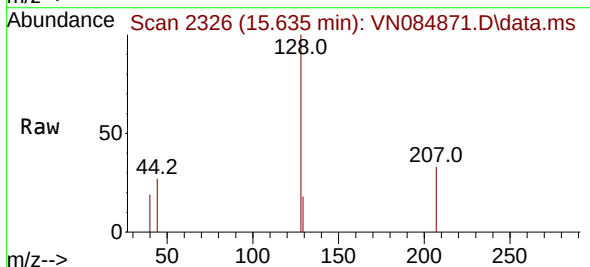
Tgt Ion:128 Resp: 1394

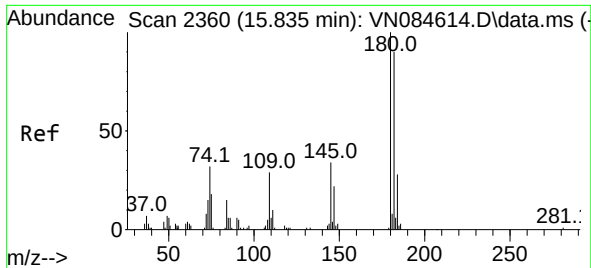
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

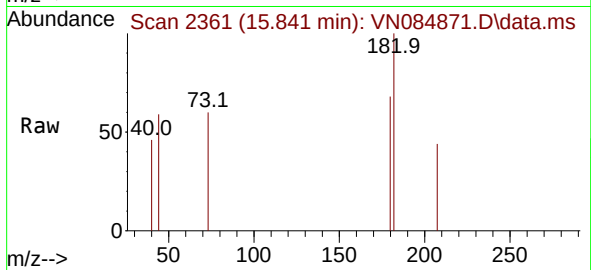
129 0.0 8.6 12.8#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.273 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084871.D
 Acq: 15 Nov 2024 16:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	431
Ion	Ratio	Lower	Upper
180	100		
182	55.0	0.0	182.6
145	0.0	0.0	66.2

