

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084521.D
 Acq On : 25 Oct 2024 17:14
 Operator : JC\MD
 Sample : P4528-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 241023068-02-VOA

Quant Time: Oct 26 05:32:12 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)

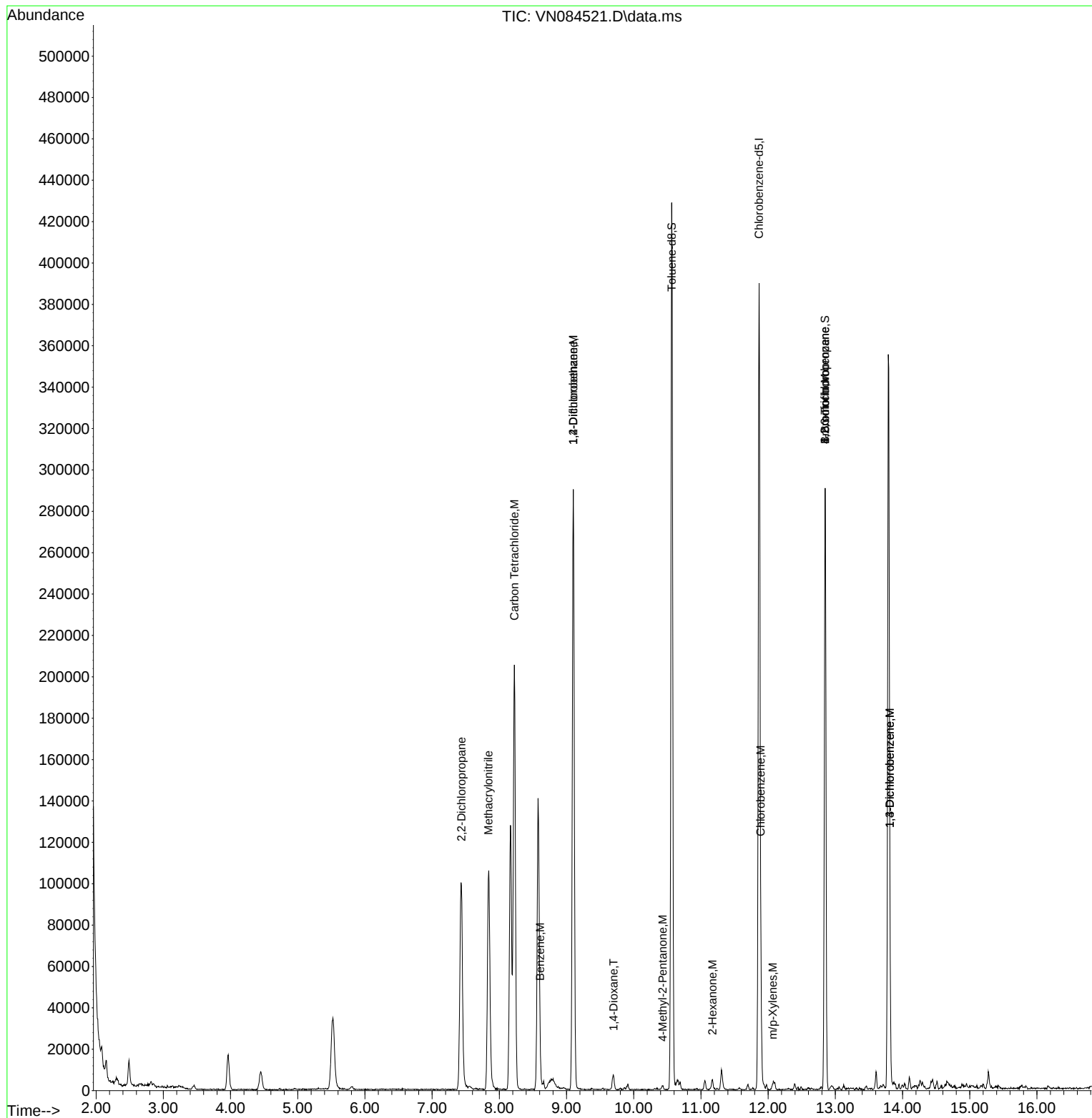
Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-7.82
28) 1,4-Difluorobenzene	9.100	114	250375	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	216868	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	114789	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	12.847	95	104205	29.114	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.033%
63) Toluene-d8	10.565	98	294652	29.328	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.767%
Target Compounds						
					Qvalue	
31) 2,2-Dichloropropane	7.436	77	6325	1.310	ug/l #	65
33) Carbon Tetrachloride	8.224	117	15838	3.480	ug/l #	18
34) Benzene	8.606	78	6009	0.467	ug/l #	1
35) Methacrylonitrile	7.836	41	48729	20.873	ug/l #	48
36) 1,2-Dichloroethane	9.100	62	9484	2.211	ug/l #	75
45) 1,4-Dioxane	9.700	88	5142	80.750	ug/l #	91
56) Bromoform	12.847	173	756	0.327	ug/l #	1
58) 4-Methyl-2-Pentanone	10.430	43	1191	0.295	ug/l #	43
59) 2-Hexanone	11.171	43	3722	1.240	ug/l #	33
64) Chlorobenzene	11.888	112	26227	3.320	ug/l	90
67) m/p-Xylenes	12.071	106	1233	0.236	ug/l	97
72) 1,2,3-Trichloropropane	12.847	75	53468	15.674	ug/l	1
83) 1,3-Dichlorobenzene	13.812	146	21961	3.788	ug/l	94
84) 1,4-Dichlorobenzene	13.812	146	21961	3.814	ug/l	95

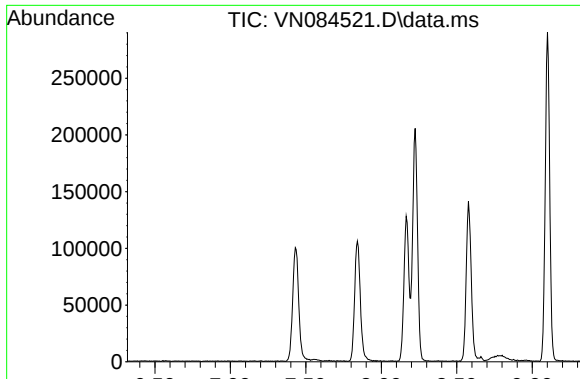
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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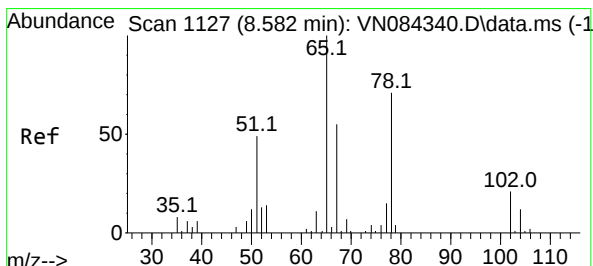
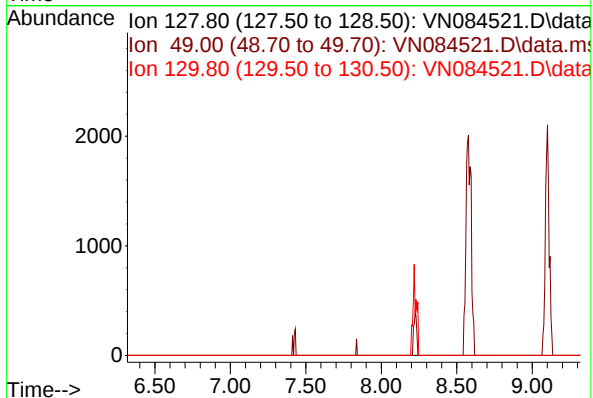




#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 7.82 min
 Lab File: VN084521.D
 Acq: 25 Oct 2024 17:14

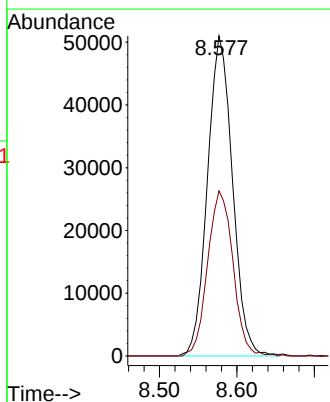
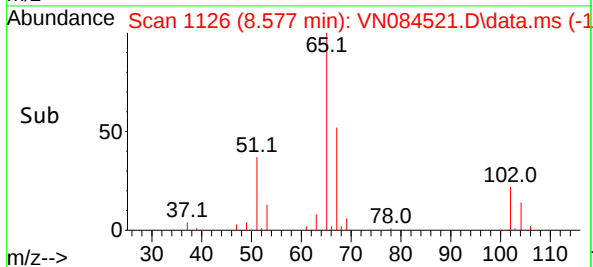
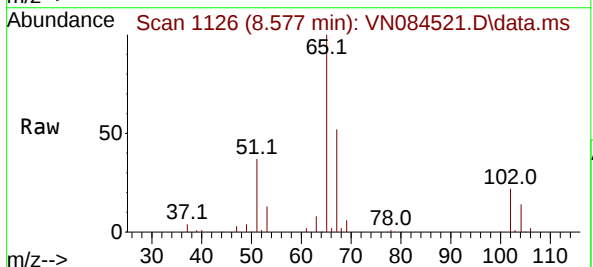
Instrument :
 MSVOA_N
 ClientSampleId :
 241023068-02-VOA

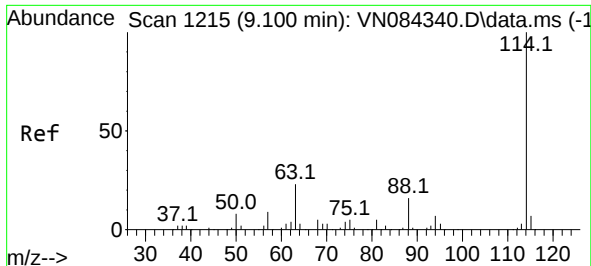
Tgt Ion: 128
 Sig Exp Ratio
 128 100
 49 172.0
 130 131.9



#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN084521.D
 Acq: 25 Oct 2024 17:14

Tgt Ion: 65 Resp: 114789
 Ion Ratio Lower Upper
 65 100
 67 52.0 41.5 62.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN084521.D

Acq: 25 Oct 2024 17:14

Instrument :

MSVOA_N

ClientSampleId :

241023068-02-VOA

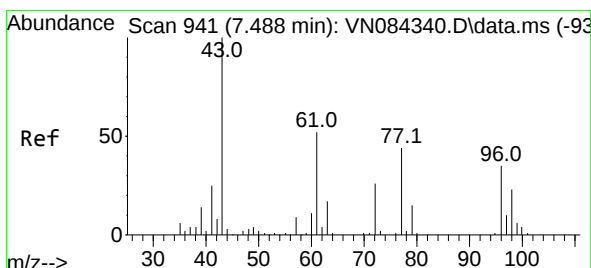
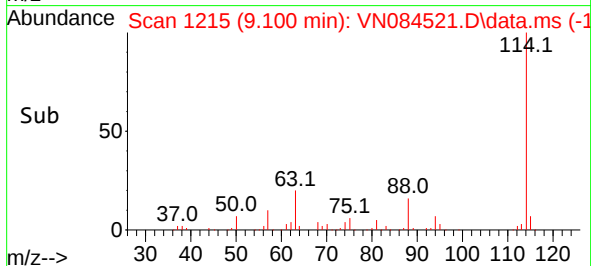
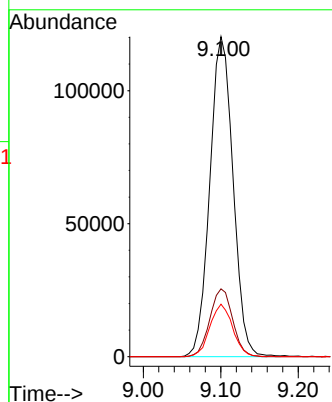
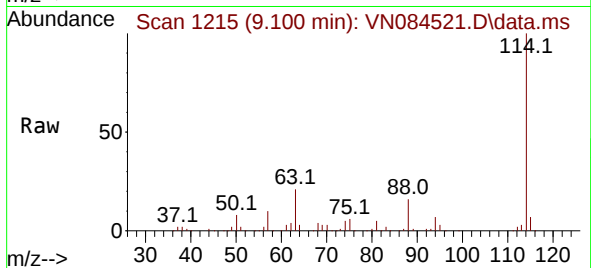
Tgt Ion:114 Resp: 250375

Ion Ratio Lower Upper

114 100

63 20.8 17.4 26.0

88 16.1 13.2 19.8



#31

2,2-Dichloropropane

Concen: 1.310 ug/l

RT: 7.436 min Scan# 932

Delta R.T. -0.053 min

Lab File: VN084521.D

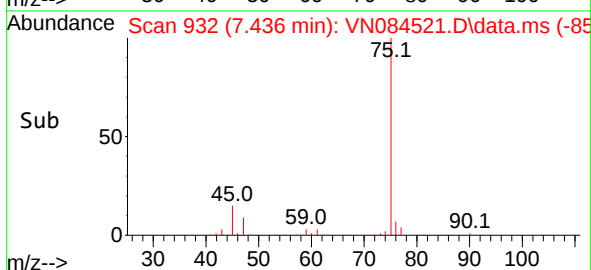
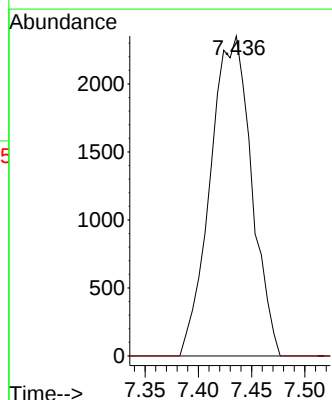
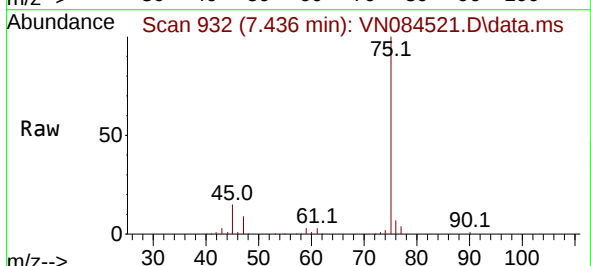
Acq: 25 Oct 2024 17:14

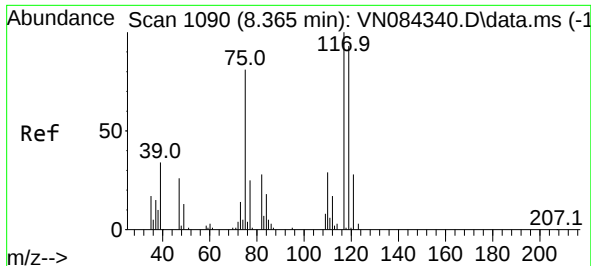
Tgt Ion: 77 Resp: 6325

Ion Ratio Lower Upper

77 100

97 0.0 11.5 17.3#

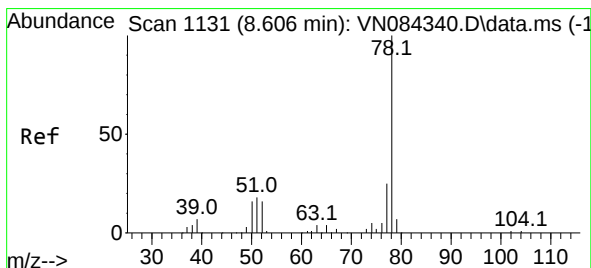
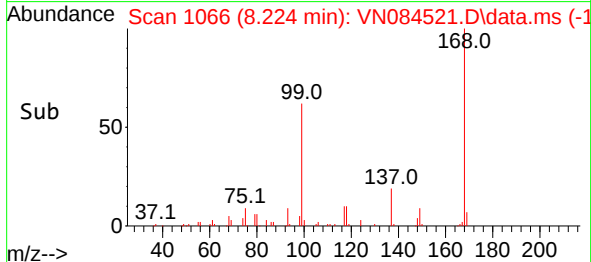
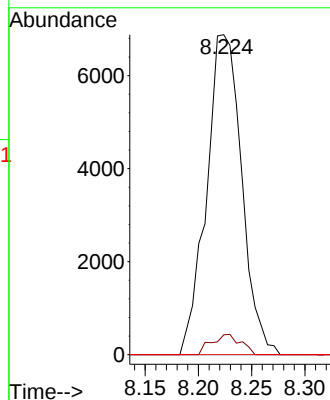
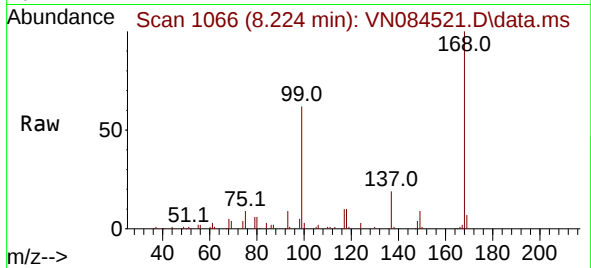




#33
Carbon Tetrachloride
Concen: 3.480 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

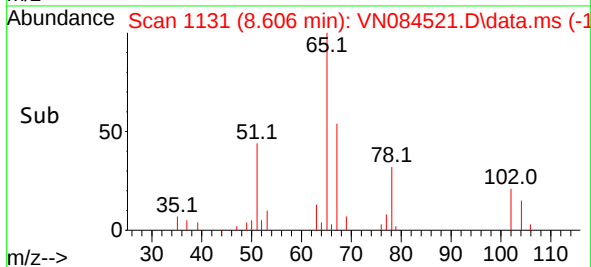
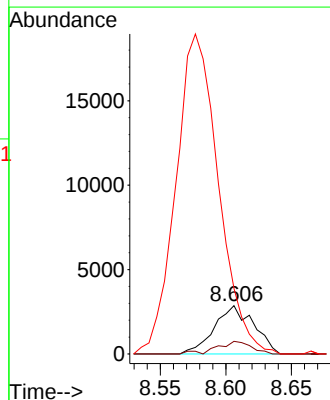
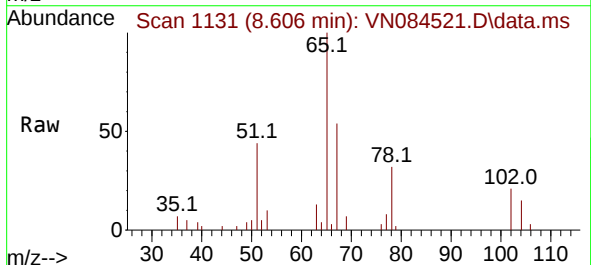
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

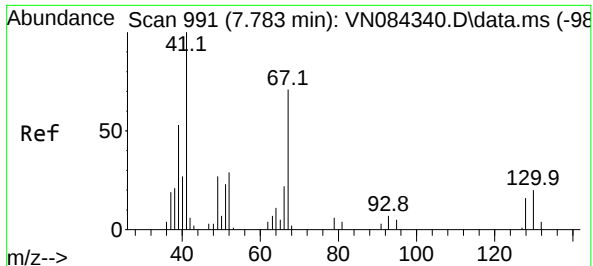
Tgt Ion:117 Resp: 15838
Ion Ratio Lower Upper
117 100
119 6.2 74.3 111.5#
121 0.0 22.4 33.6#



#34
Benzene
Concen: 0.467 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

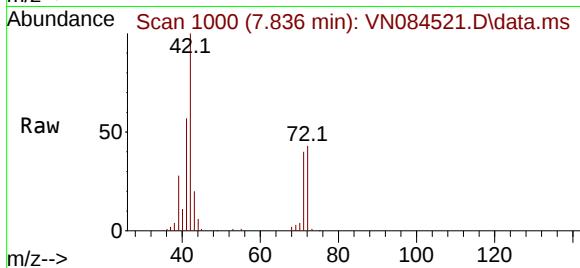
Tgt Ion: 78 Resp: 6009
Ion Ratio Lower Upper
78 100
77 26.3 19.6 29.4
51 135.9 15.8 23.6#



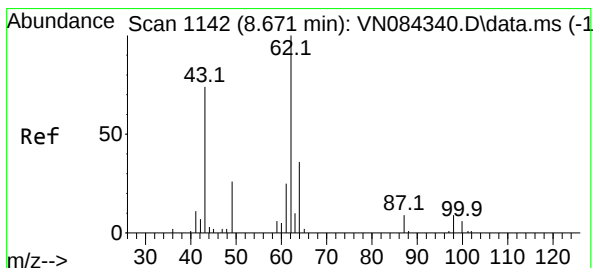
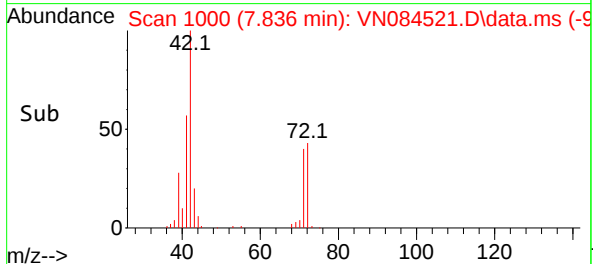
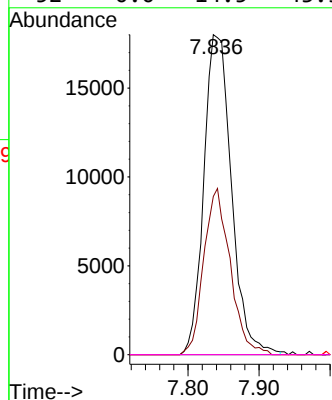


#35
Methacrylonitrile
Concen: 20.873 ug/l
RT: 7.836 min Scan# 1100
Delta R.T. 0.053 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

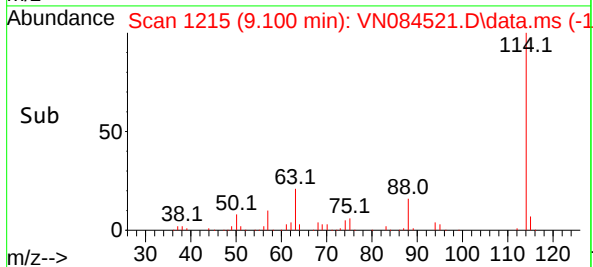
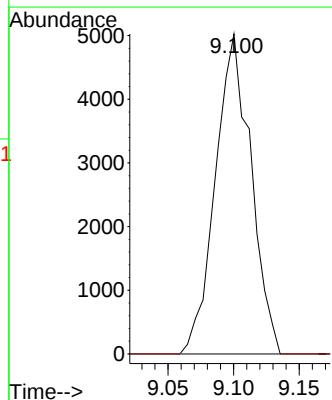
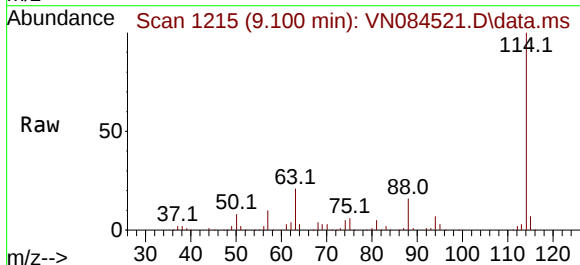


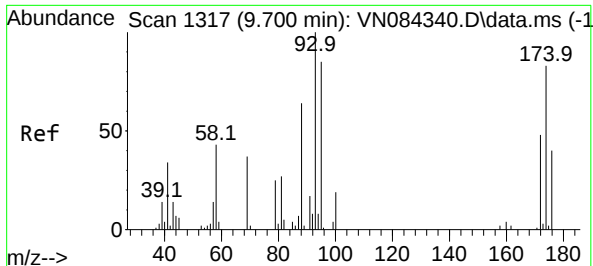
Tgt Ion: 41 Resp: 48729
Ion Ratio Lower Upper
41 100
39 49.5 26.4 79.0
67 0.0 35.7 107.1#
52 0.0 14.5 43.5#



#36
1,2-Dichloroethane
Concen: 2.211 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.430 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

Tgt Ion: 62 Resp: 9484
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

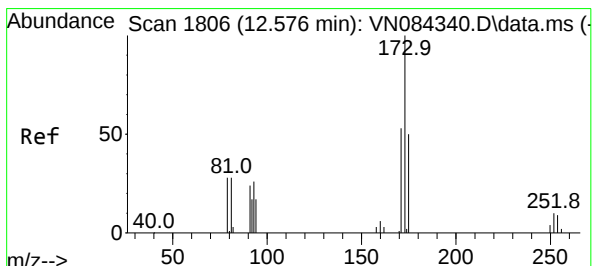
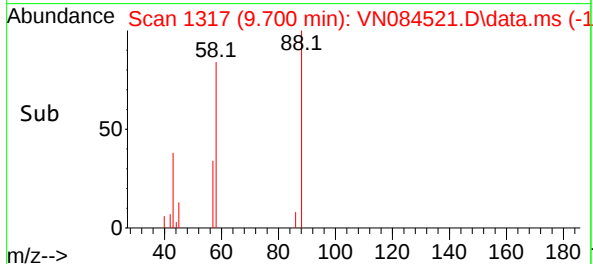
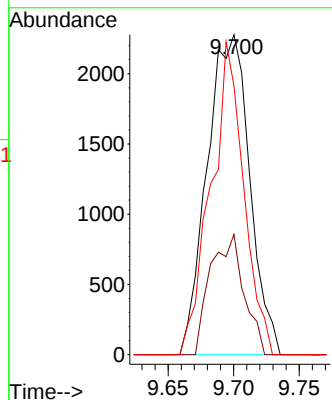
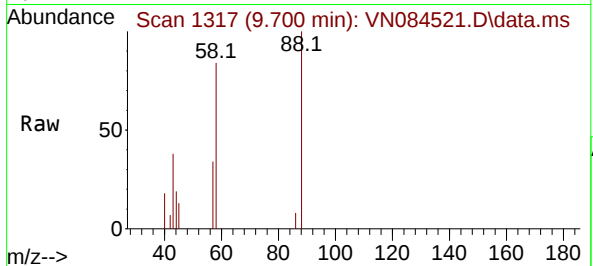




#45
 1,4-Dioxane
 Concen: 80.750 ug/l
 RT: 9.700 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN084521.D
 Acq: 25 Oct 2024 17:14

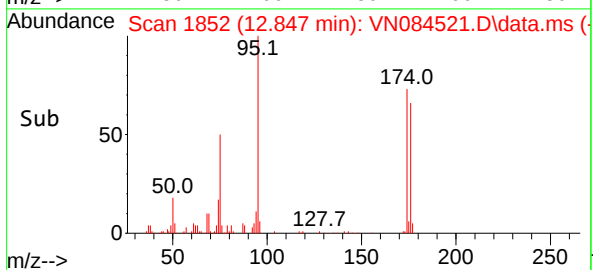
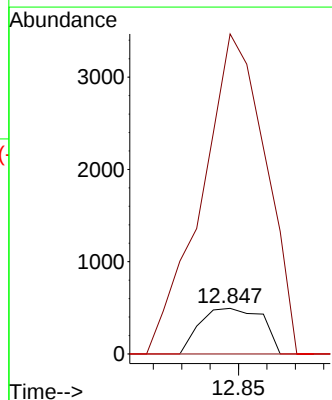
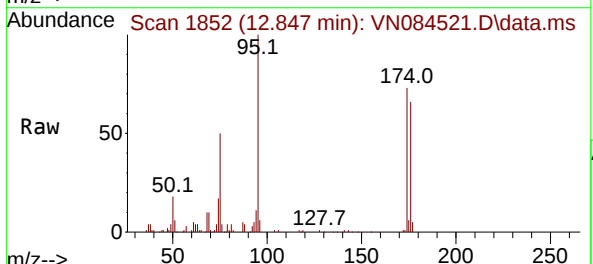
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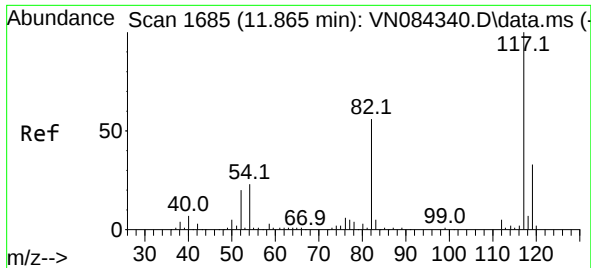
Tgt Ion: 88 Resp: 5142
 Ion Ratio Lower Upper
 88 100
 43 12.8 22.4 33.6#
 58 75.5 59.7 89.5



#56
 Bromoform
 Concen: 0.327 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.271 min
 Lab File: VN084521.D
 Acq: 25 Oct 2024 17:14

Tgt Ion:173 Resp: 756
 Ion Ratio Lower Upper
 173 100
 175 718.7 39.4 59.2#
 254 0.0 6.8 10.2#

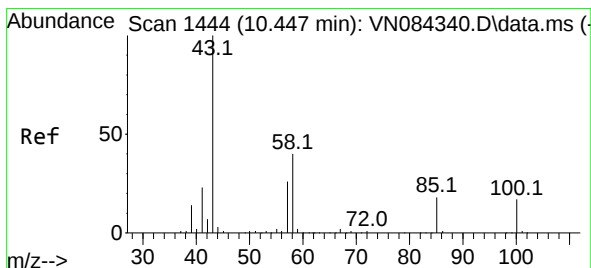
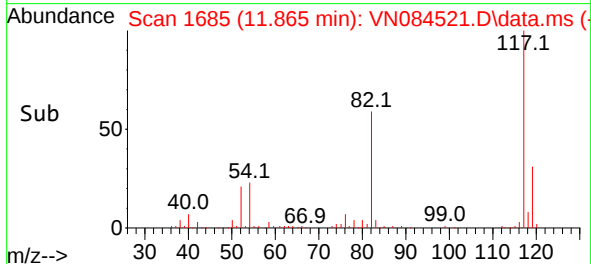
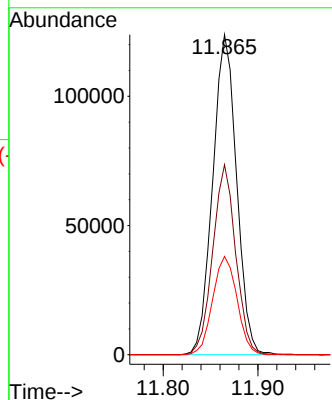
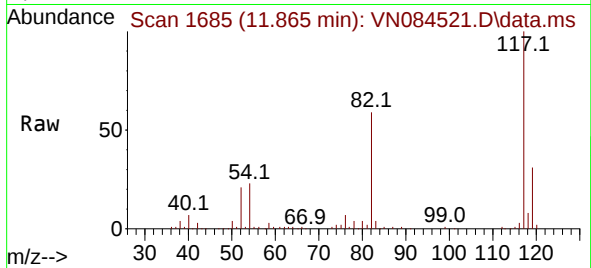




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

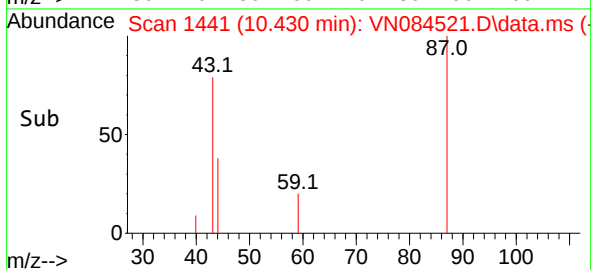
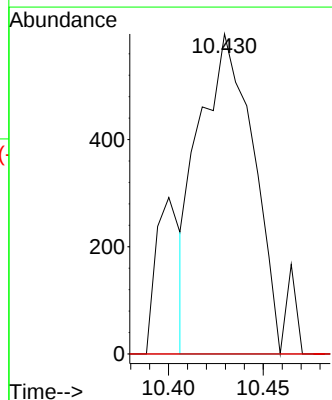
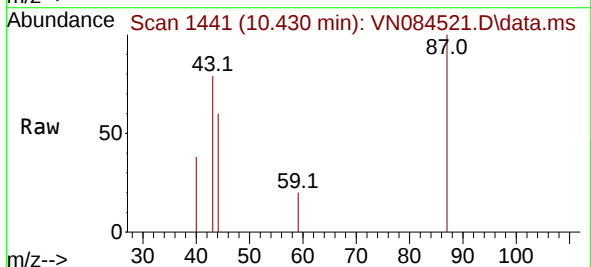
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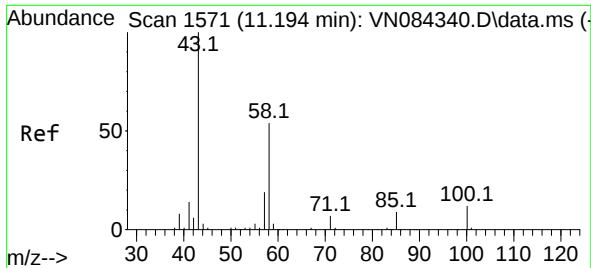
Tgt Ion:117 Resp: 216868
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.4
119 31.3 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.295 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. -0.018 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
58 0.0 31.9 47.9#
85 0.0 14.6 22.0#

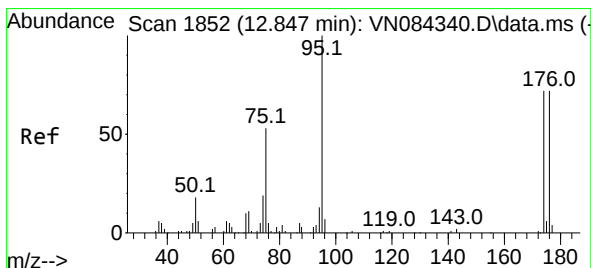
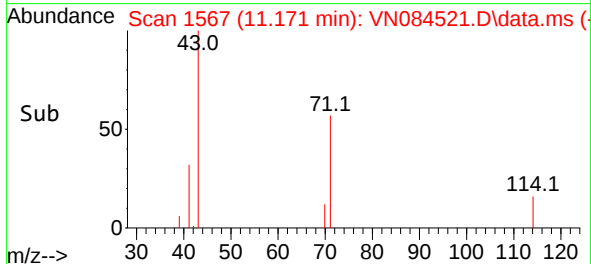
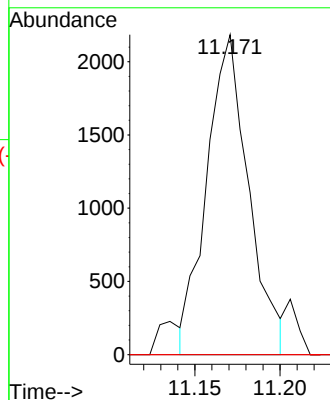
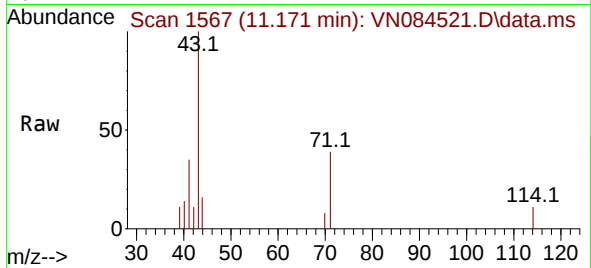




#59
2-Hexanone
Concen: 1.240 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

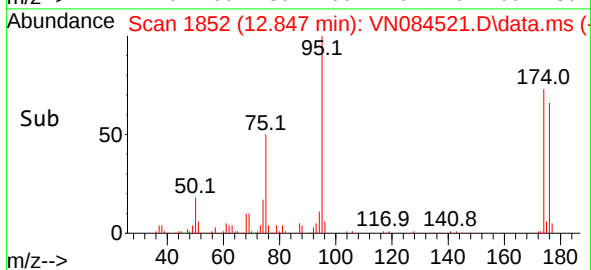
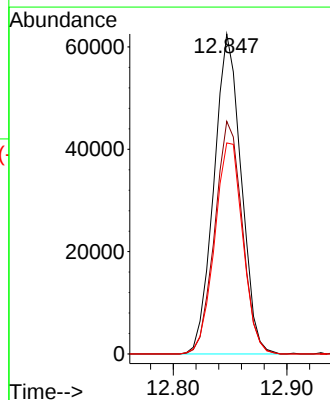
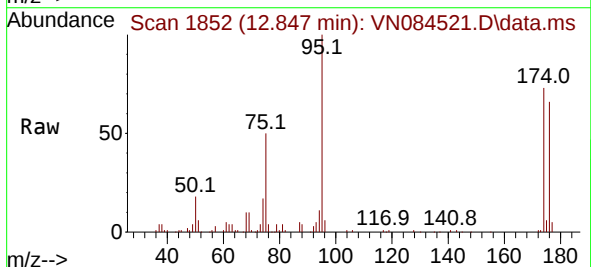
Instrument :
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241023068-02-VOA

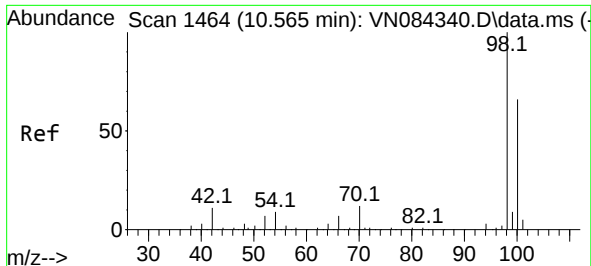
Tgt Ion: 43 Resp: 3722
Ion Ratio Lower Upper
43 100
58 0.0 44.0 66.0#
57 0.0 15.4 23.2#



#60
4-Bromofluorobenzene
Concen: 29.114 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

Tgt Ion: 95 Resp: 104205
Ion Ratio Lower Upper
95 100
174 73.1 58.2 87.2
176 68.5 56.4 84.6

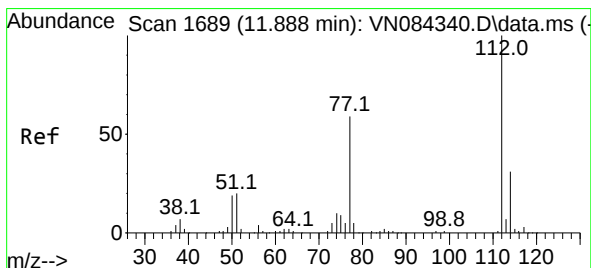
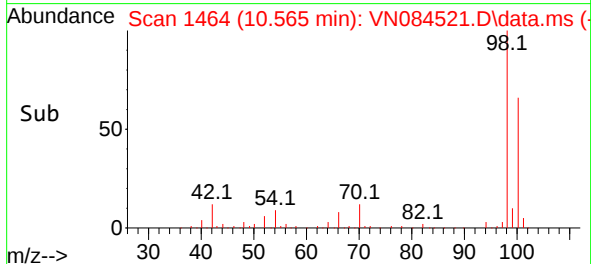
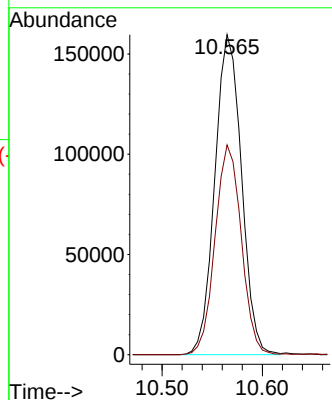
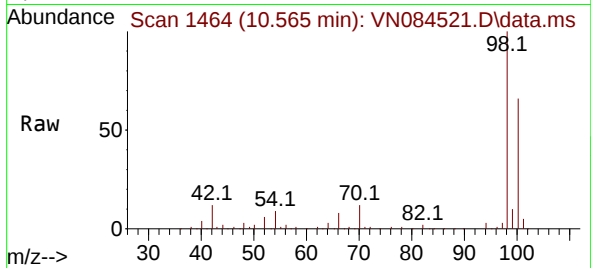




#63
Toluene-d8
Concen: 29.328 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

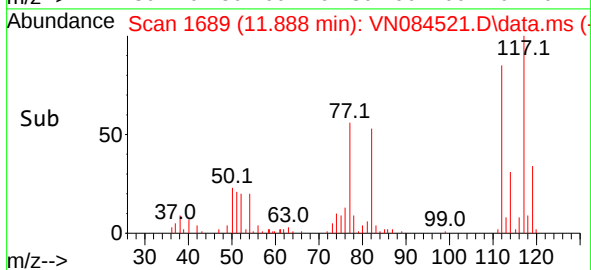
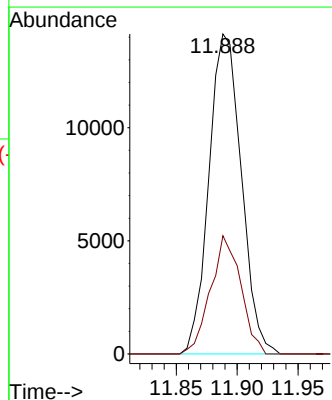
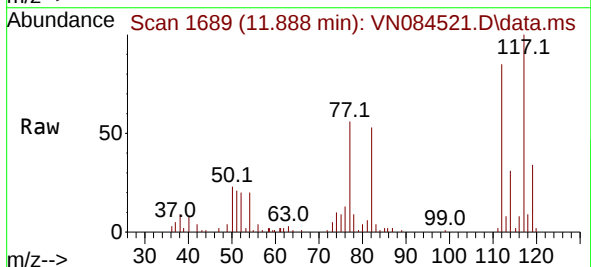
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

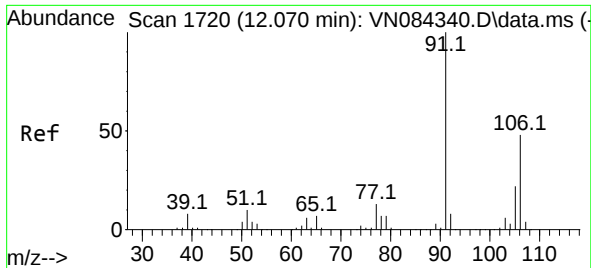
Tgt Ion: 98 Resp: 294652
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7



#64
Chlorobenzene
Concen: 3.320 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

Tgt Ion: 112 Resp: 26227
Ion Ratio Lower Upper
112 100
114 36.9 25.1 37.7

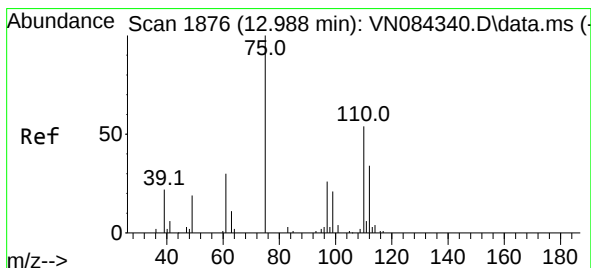
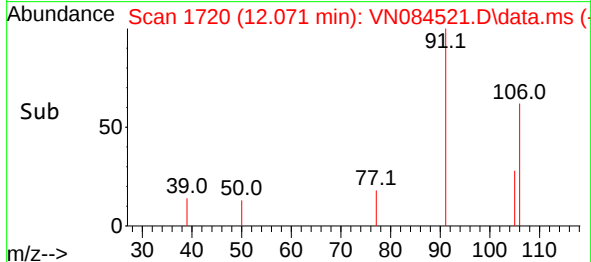
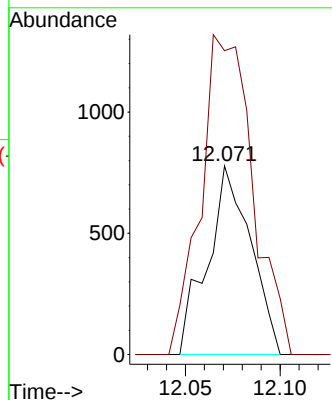
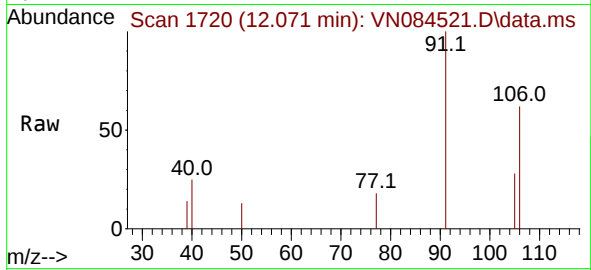




#67
m/p-Xylenes
Concen: 0.236 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

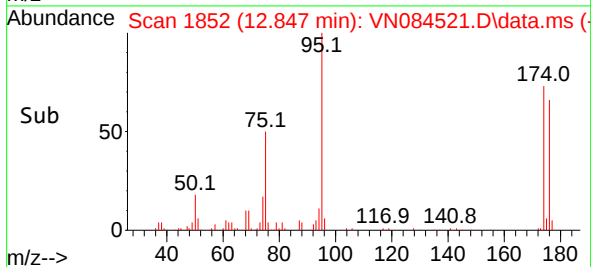
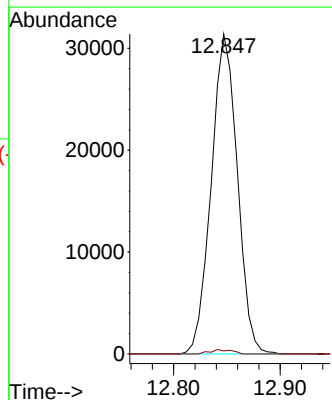
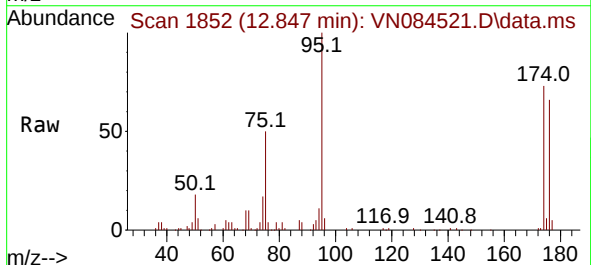
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

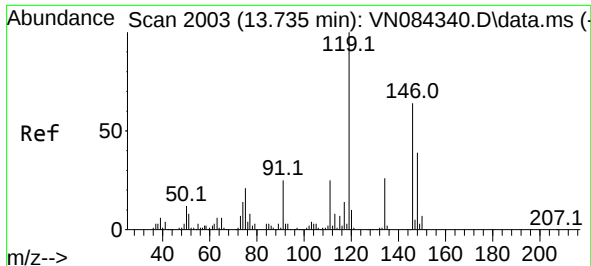
Tgt Ion:106 Resp: 1233
Ion Ratio Lower Upper
106 100
91 204.1 166.7 250.1



#72
1,2,3-Trichloropropane
Concen: 15.674 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084521.D
Acq: 25 Oct 2024 17:14

Tgt Ion: 75 Resp: 53468
Ion Ratio Lower Upper
75 100
77 1.1 0.0 414.0





#83

1,3-Dichlorobenzene

Concen: 3.788 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.077 min

Lab File: VN084521.D

Acq: 25 Oct 2024 17:14

Instrument :

MSVOA_N

ClientSampleId :

241023068-02-VOA

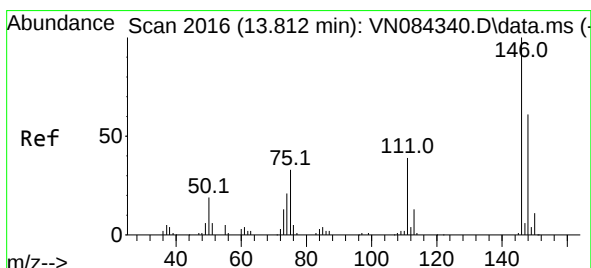
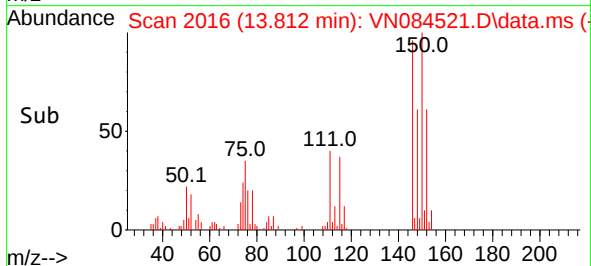
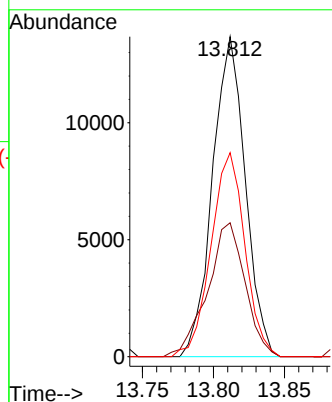
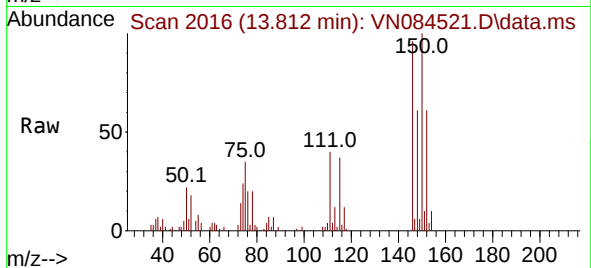
Tgt Ion:146 Resp: 21961

Ion Ratio Lower Upper

146 100

111 47.9 20.6 61.9

148 65.9 31.6 94.7



#84

1,4-Dichlorobenzene

Concen: 3.814 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN084521.D

Acq: 25 Oct 2024 17:14

Tgt Ion:146 Resp: 21961

Ion Ratio Lower Upper

146 100

111 47.9 20.5 61.5

148 65.9 32.5 97.4

