

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084513.D
 Acq On : 25 Oct 2024 14:03
 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 05:29:18 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)

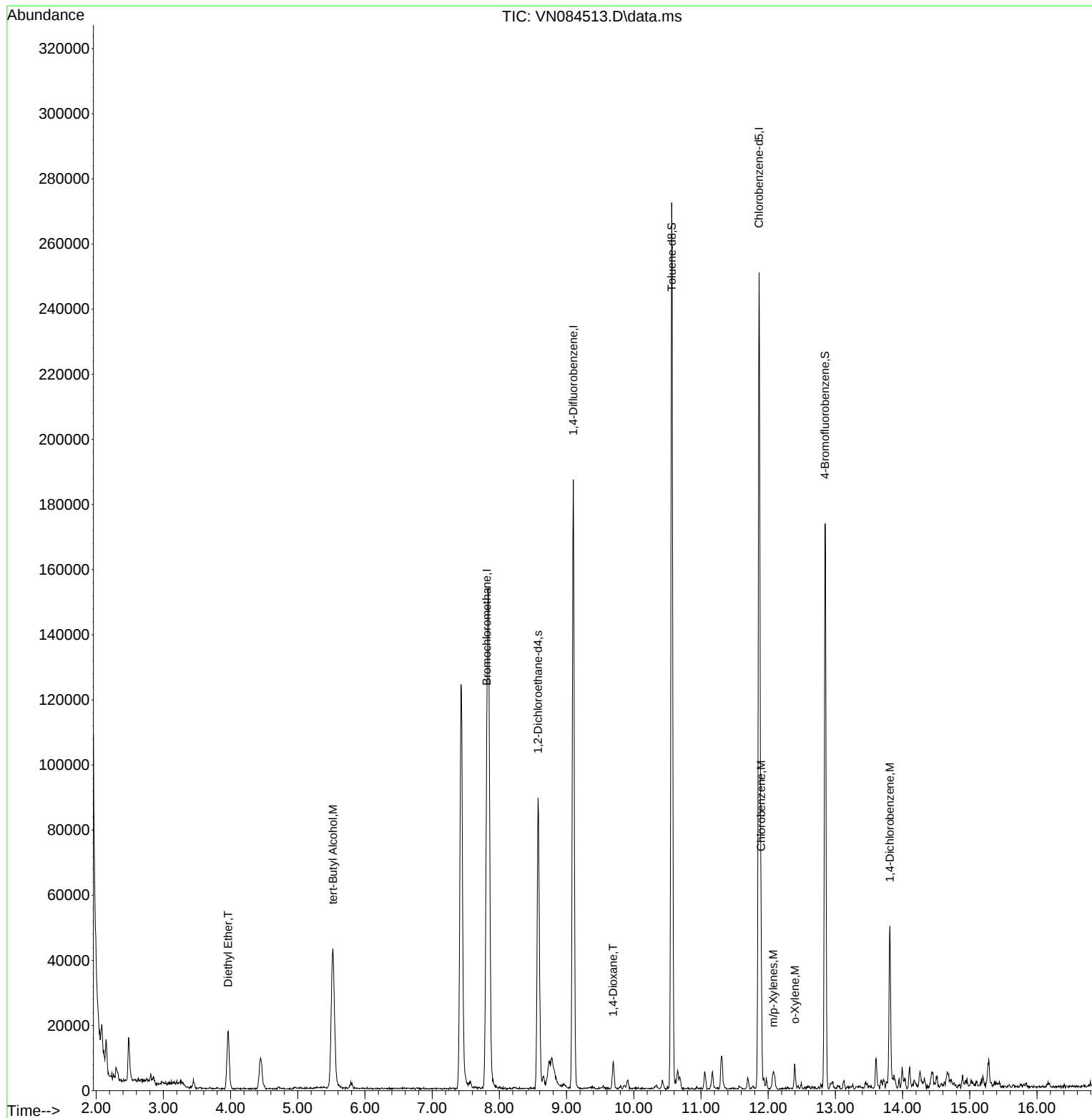
Internal Standards						
1) Bromochloromethane	7.812	128	30028	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	157495	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	139902	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71428	29.546	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.500%	
60) 4-Bromofluorobenzene	12.847	95	61605	26.681	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	88.933%	
63) Toluene-d8	10.565	98	184765	28.508	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	95.033%	
Target Compounds						
8) Diethyl Ether	3.965	74	10018	8.176	ug/l	99
23) tert-Butyl Alcohol	5.524	59	79263	196.503	ug/l #	100
45) 1,4-Dioxane	9.694	88	5167	128.996	ug/l #	91
64) Chlorobenzene	11.894	112	27605	5.416	ug/l	98
67) m/p-Xylenes	12.076	106	1777	0.526	ug/l #	68
68) o-Xylene	12.400	106	1731	0.532	ug/l	82
84) 1,4-Dichlorobenzene	13.812	146	20599	5.546	ug/l	97

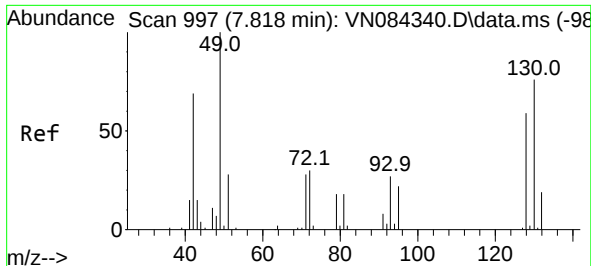
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084513.D
Acq On : 25 Oct 2024 14:03
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 05:29:18 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

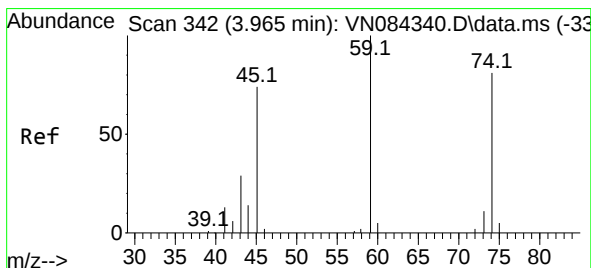
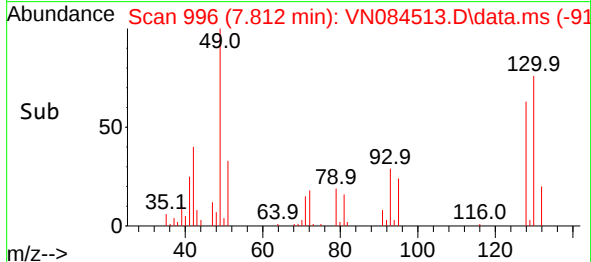
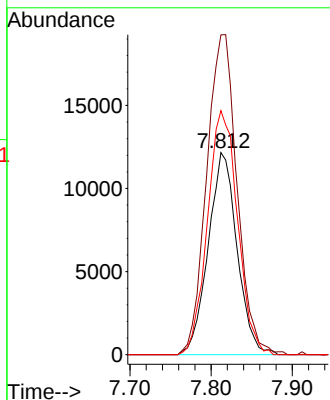
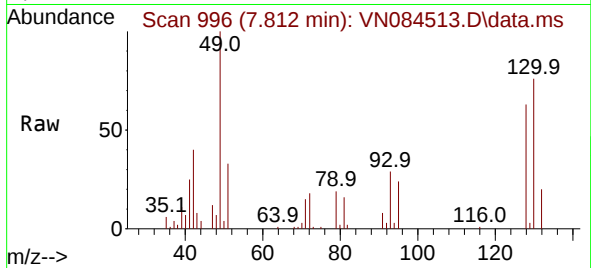




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

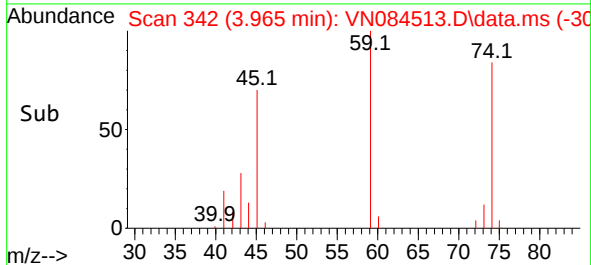
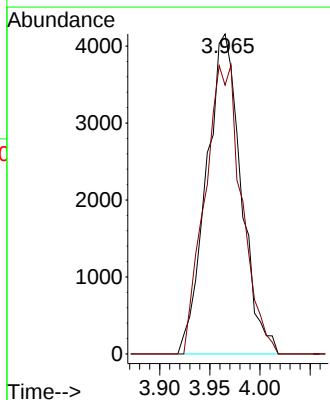
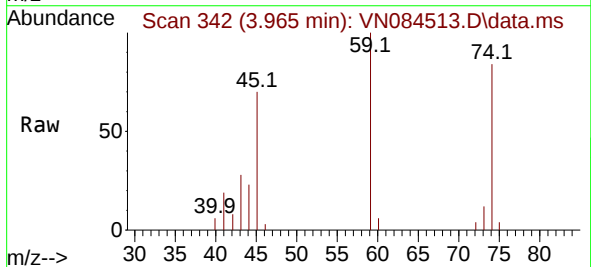
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

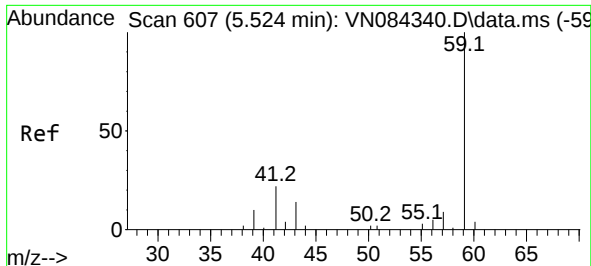
Tgt Ion:128 Resp: 30028
Ion Ratio Lower Upper
128 100
49 166.7 0.0 430.0
130 126.0 0.0 329.8



#8
Diethyl Ether
Concen: 8.176 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

Tgt Ion: 74 Resp: 10018
Ion Ratio Lower Upper
74 100
45 95.6 19.2 173.2

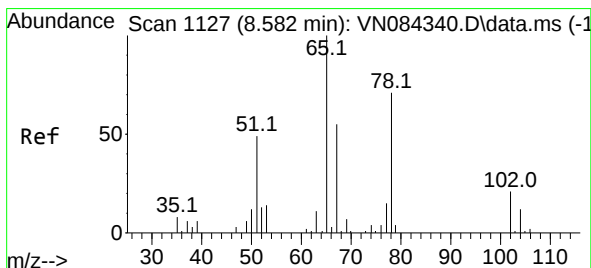
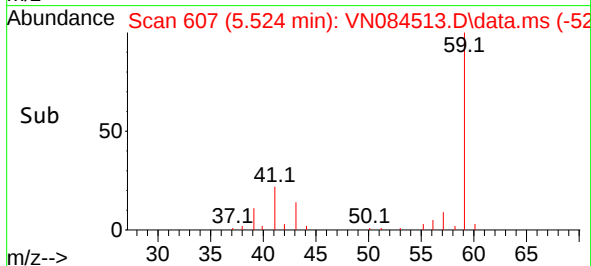
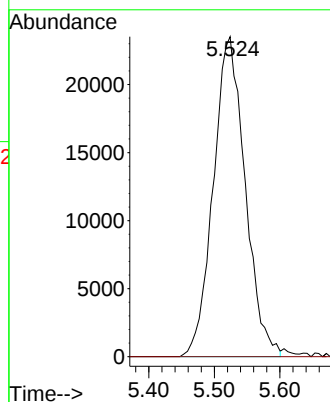
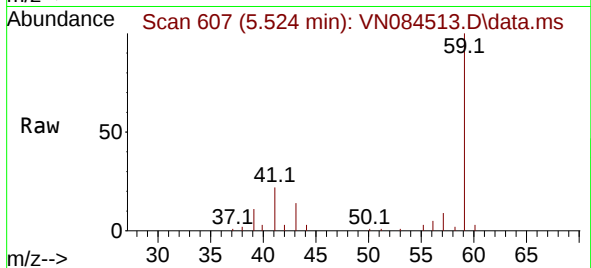




#23
tert-Butyl Alcohol
Concen: 196.503 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

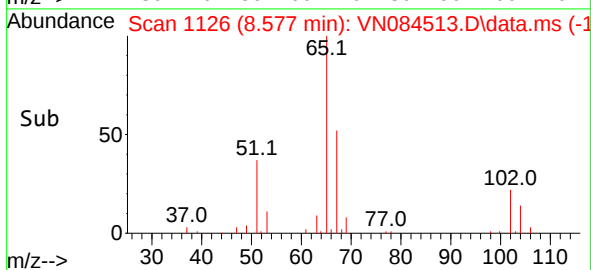
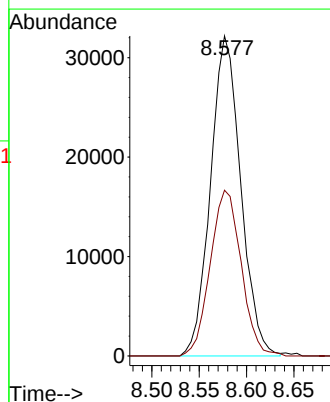
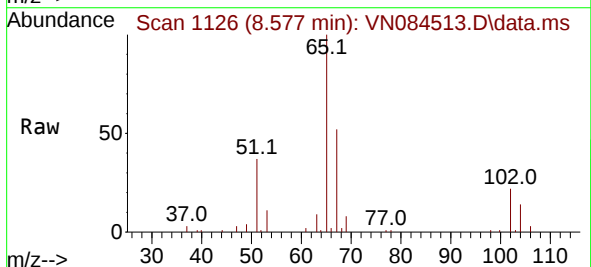
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

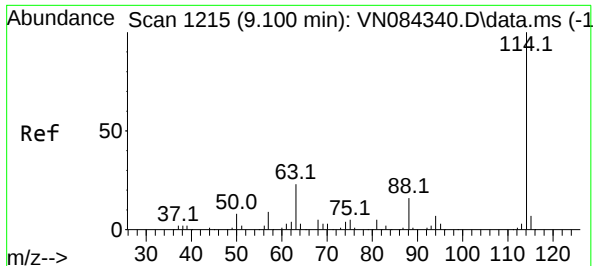
Tgt Ion: 59 Resp: 79263
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.546 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

Tgt Ion: 65 Resp: 71428
Ion Ratio Lower Upper
65 100
67 53.0 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: VN084513.D

Acq: 25 Oct 2024 14:03

Instrument :

MSVOA_N

ClientSampleId :

241023068-02-VOA

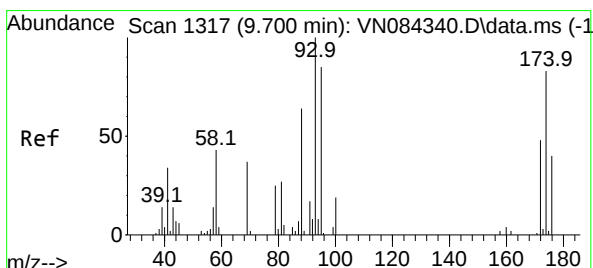
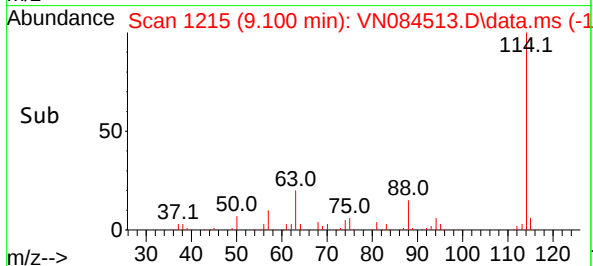
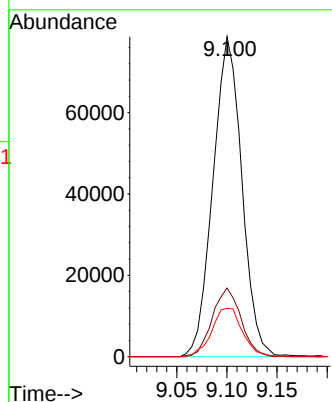
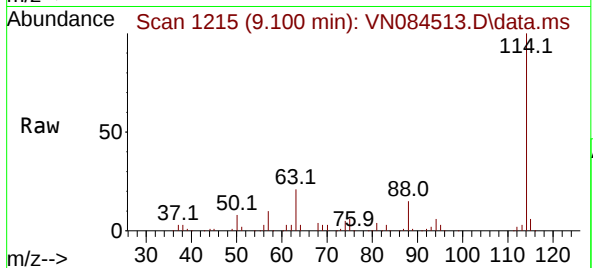
Tgt Ion:114 Resp: 157495

Ion Ratio Lower Upper

114 100

63 21.3 17.4 26.0

88 16.1 13.2 19.8



#45

1,4-Dioxane

Concen: 128.996 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN084513.D

Acq: 25 Oct 2024 14:03

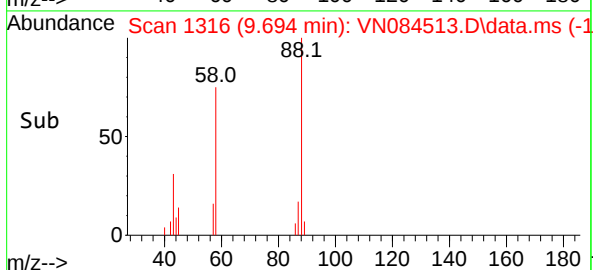
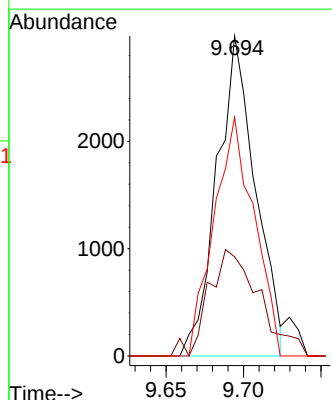
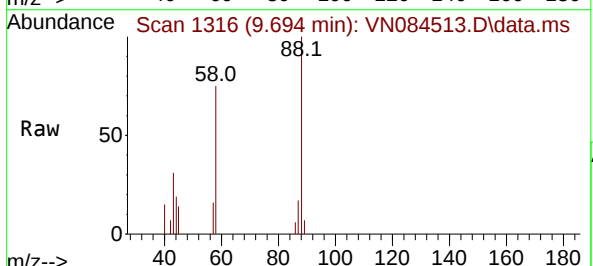
Tgt Ion: 88 Resp: 5167

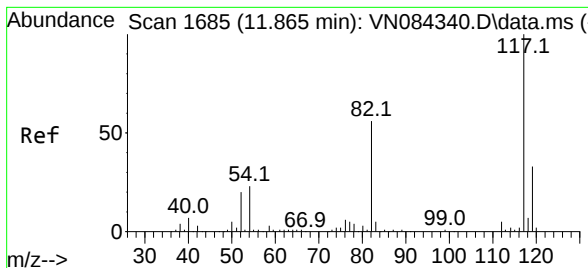
Ion Ratio Lower Upper

88 100

43 40.1 22.4 33.6#

58 77.5 59.7 89.5

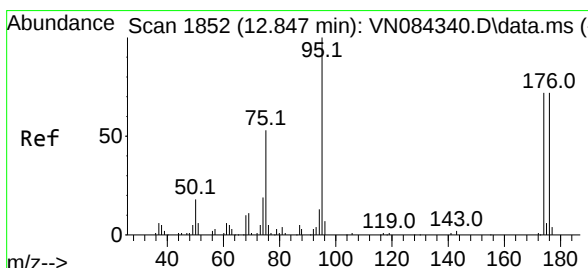
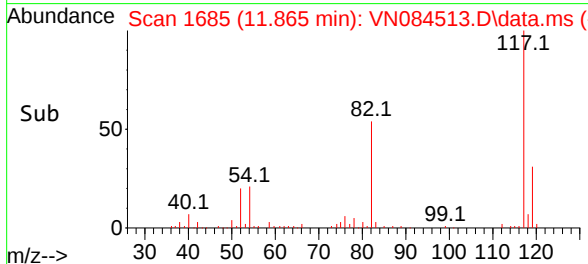
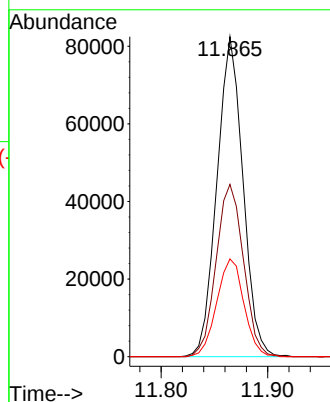
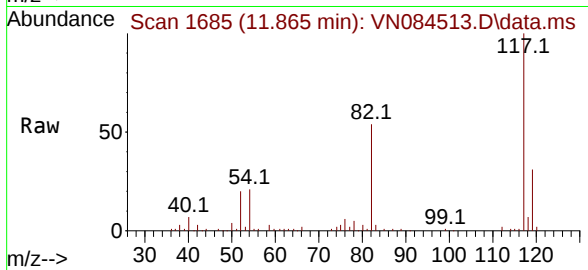




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

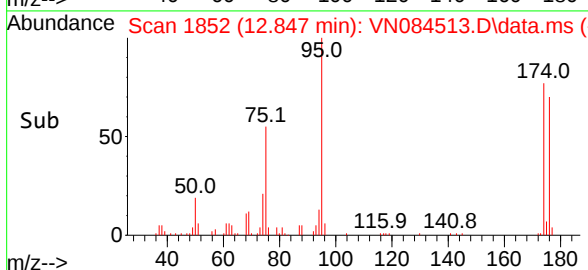
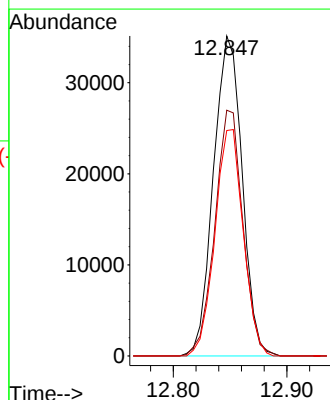
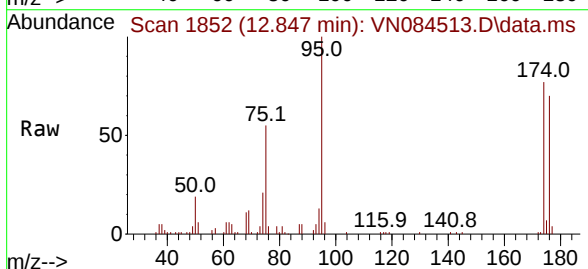
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

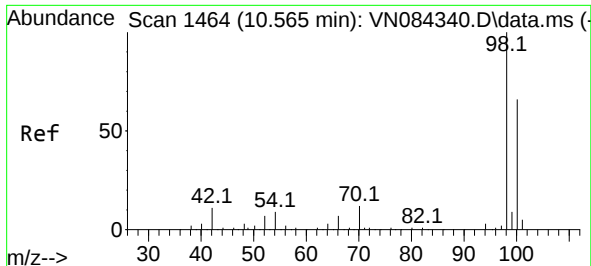
Tgt Ion:117 Resp: 139902
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.0 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 26.681 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

Tgt Ion: 95 Resp: 61605
Ion Ratio Lower Upper
95 100
174 75.1 58.2 87.2
176 70.0 56.4 84.6

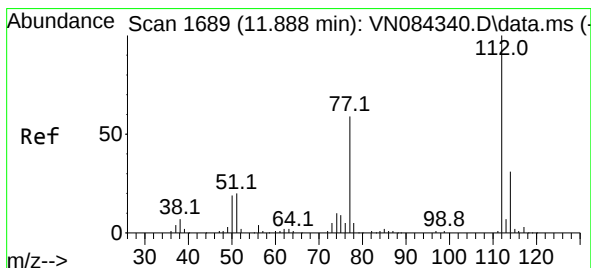
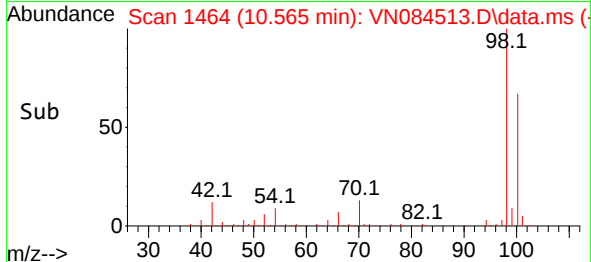
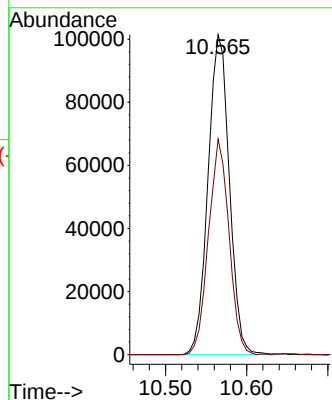
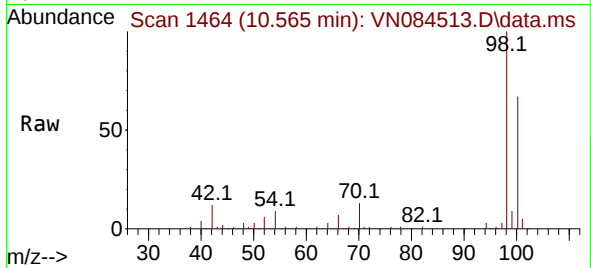




#63
Toluene-d8
Concen: 28.508 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

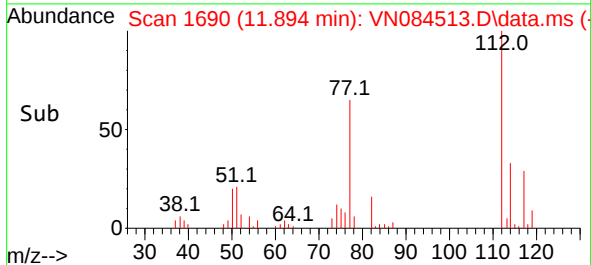
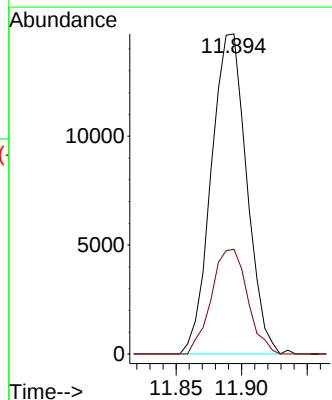
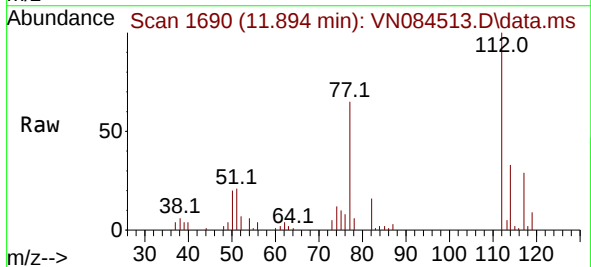
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

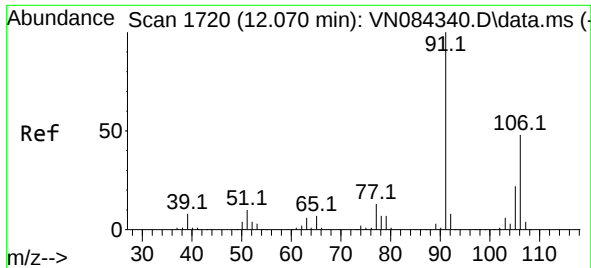
Tgt Ion: 98 Resp: 184765
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#64
Chlorobenzene
Concen: 5.416 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

Tgt Ion: 112 Resp: 27605
Ion Ratio Lower Upper
112 100
114 32.7 25.1 37.7

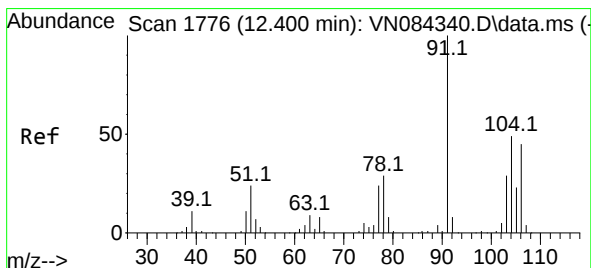
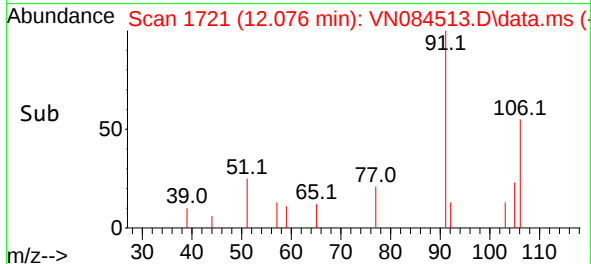
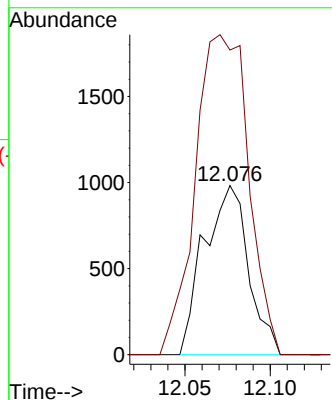
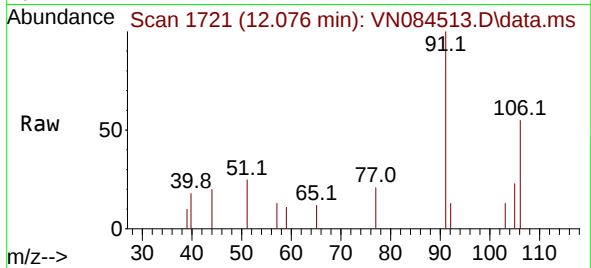




#67
m/p-Xylenes
Concen: 0.526 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

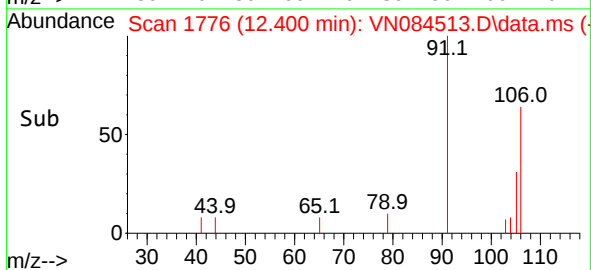
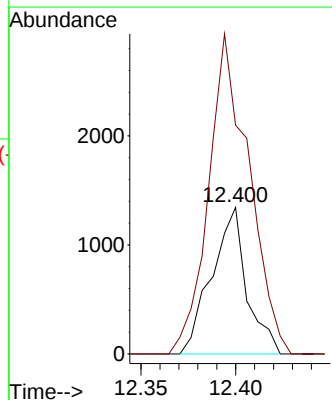
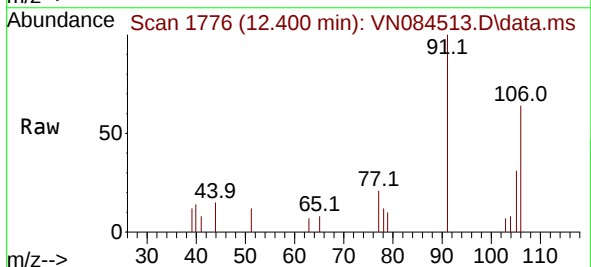
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

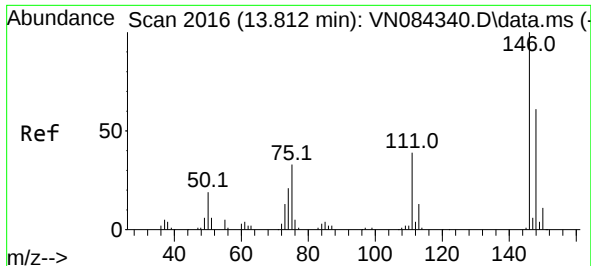
Tgt Ion:106 Resp: 1777
Ion Ratio Lower Upper
106 100
91 159.3 166.7 250.1#



#68
o-Xylene
Concen: 0.532 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084513.D
Acq: 25 Oct 2024 14:03

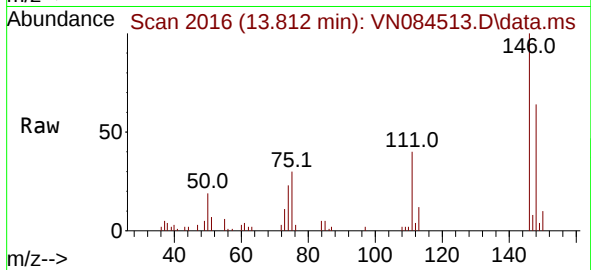
Tgt Ion:106 Resp: 1731
Ion Ratio Lower Upper
106 100
91 250.6 110.9 332.9





#84
 1,4-Dichlorobenzene
 Concen: 5.546 ug/l
 RT: 13.812 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN084513.D
 Acq: 25 Oct 2024 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 241023068-02-VOA



Tgt Ion:	146	Resp:	20599
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.5
148	61.7	32.5	97.4

