

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
 Data File : VN084546.D
 Acq On : 28 Oct 2024 17:53
 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 29 01:31:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

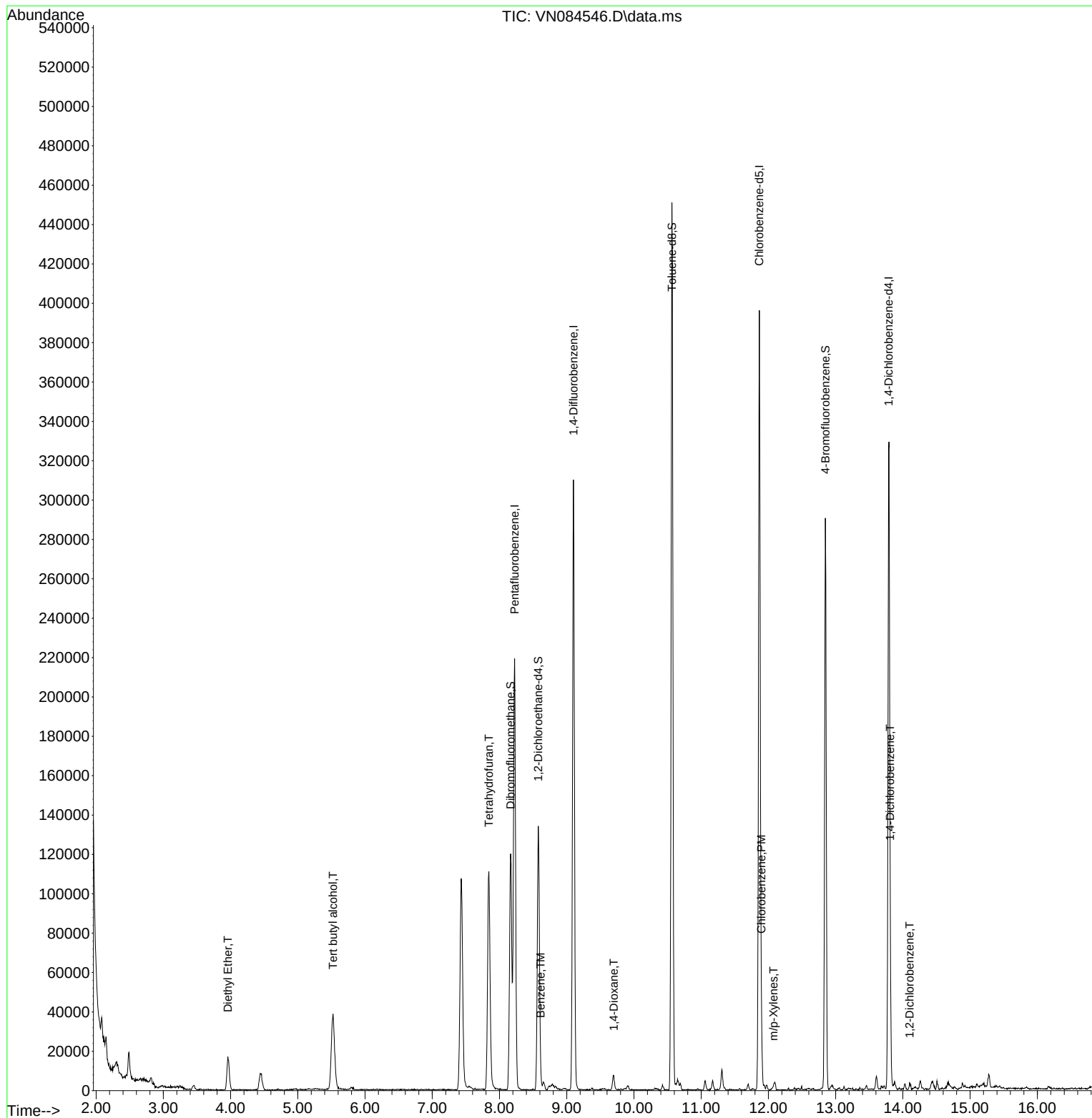
Internal Standards						
1) Pentafluorobenzene	8.224	168	156261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	84904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109552	47.285	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.560%
35) Dibromofluoromethane	8.165	113	87697	51.833	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.660%
50) Toluene-d8	10.565	98	307940	49.471	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.940%
62) 4-Bromofluorobenzene	12.847	95	101341	44.689	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.380%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.959	74	9664	8.185	ug/l	95
11) Tert butyl alcohol	5.524	59	67036	175.473	ug/l	100
29) Tetrahydrofuran	7.841	42	86353	103.225	ug/l	97
40) Benzene	8.612	78	4984	0.651	ug/l #	90
49) 1,4-Dioxane	9.700	88	5756	159.045	ug/l	95
65) Chlorobenzene	11.894	112	22409	4.629	ug/l	98
68) m/p-Xylenes	12.077	106	1112	0.351	ug/l #	62
88) 1,4-Dichlorobenzene	13.812	146	20701	6.992	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	1162	0.404	ug/l	96

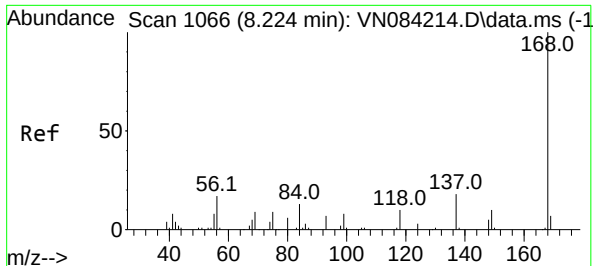
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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241023068-02-VOA

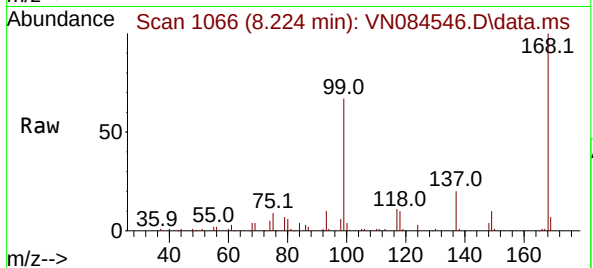
Quant Time: Oct 29 01:31:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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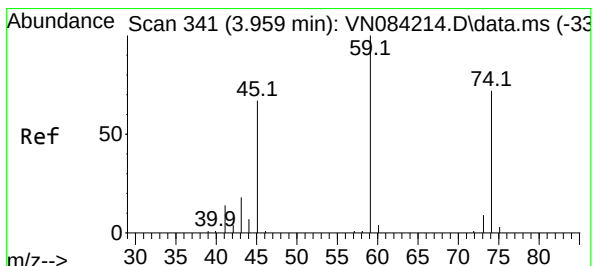
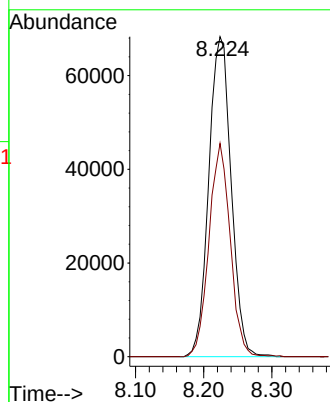
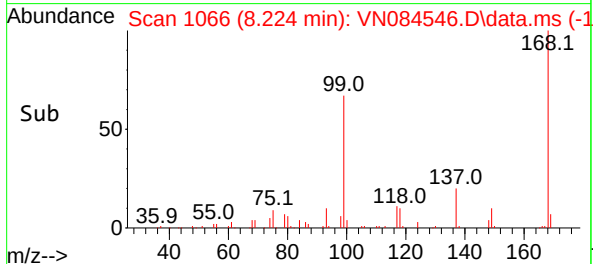


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

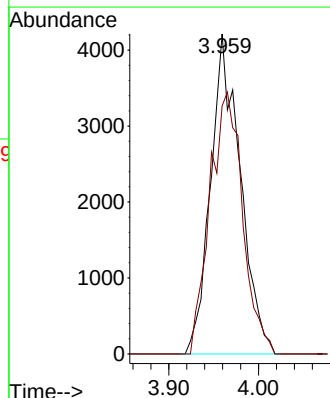
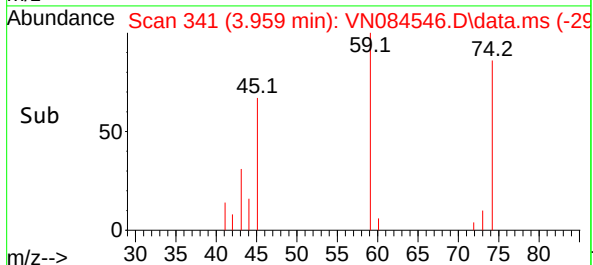
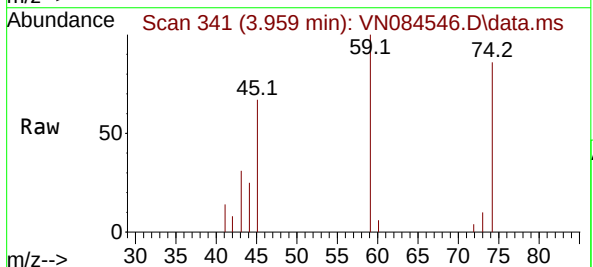


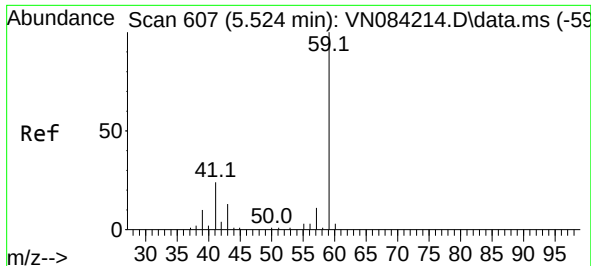
Tgt Ion:168 Resp: 156261
Ion Ratio Lower Upper
168 100
99 66.7 54.2 81.2



#8
Diethyl Ether
Concen: 8.185 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

Tgt Ion: 74 Resp: 9664
Ion Ratio Lower Upper
74 100
45 90.2 47.7 143.1

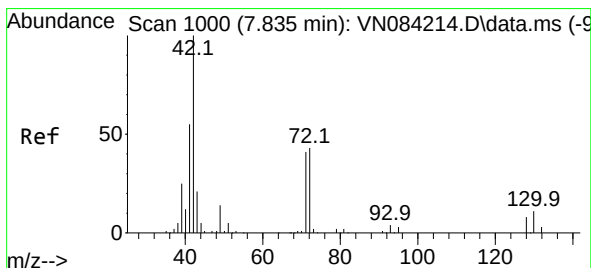
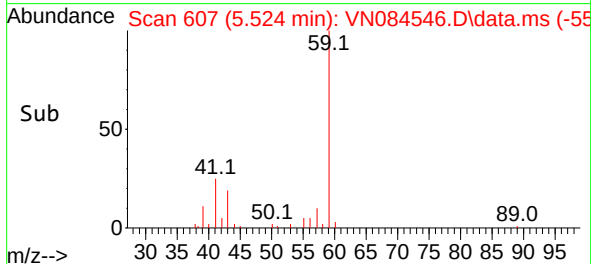
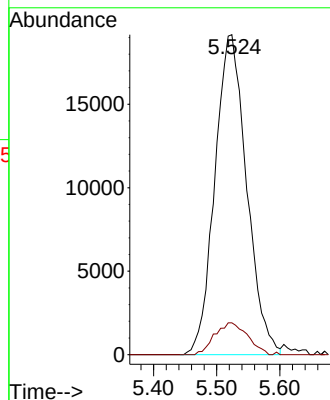
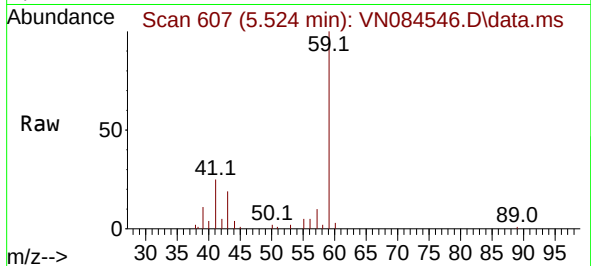




#11
Tert butyl alcohol
Concen: 175.473 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

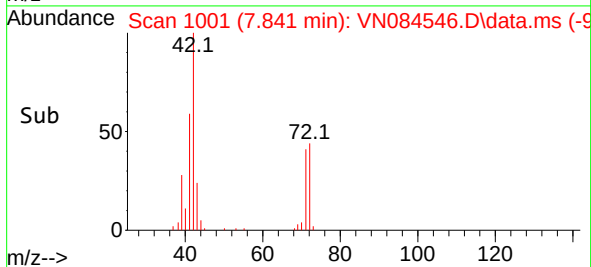
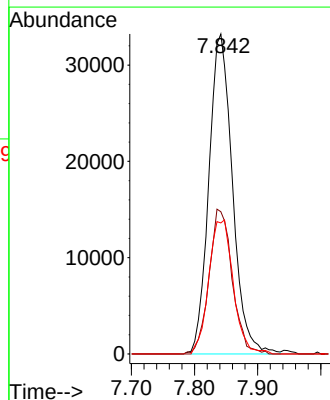
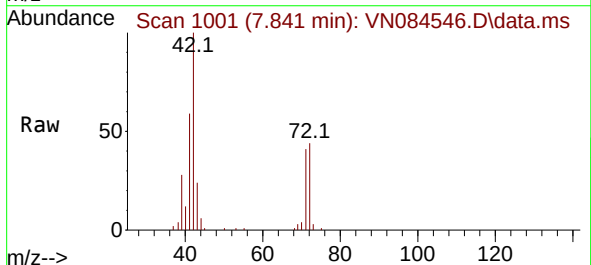
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

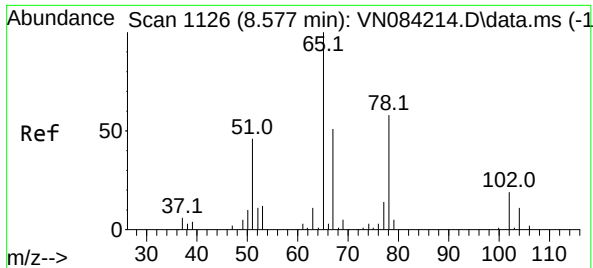
Tgt Ion: 59 Resp: 67036
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#29
Tetrahydrofuran
Concen: 103.225 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

Tgt Ion: 42 Resp: 86353
Ion Ratio Lower Upper
42 100
72 44.3 34.6 51.8
71 43.4 32.2 48.4





#33

1,2-Dichloroethane-d4

Concen: 47.285 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084546.D

Acq: 28 Oct 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

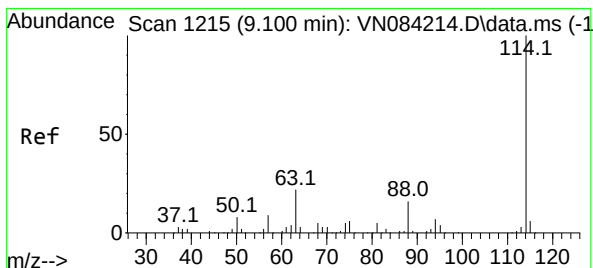
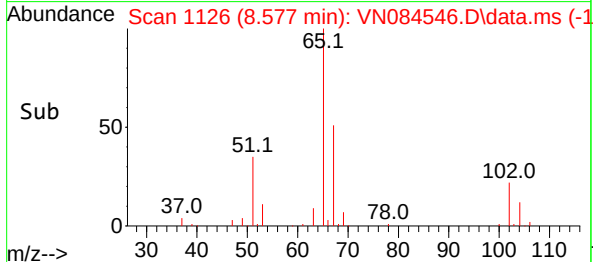
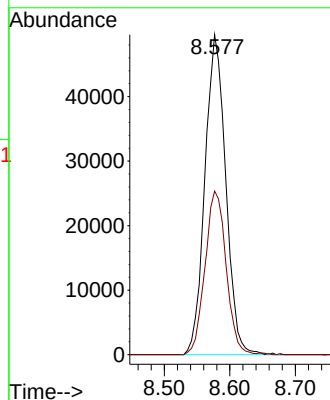
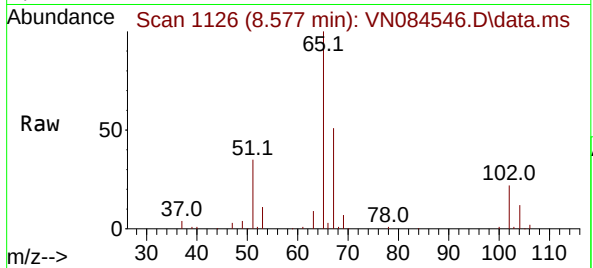
241023068-02-VOA

Tgt Ion: 65 Resp: 109552

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084546.D

Acq: 28 Oct 2024 17:53

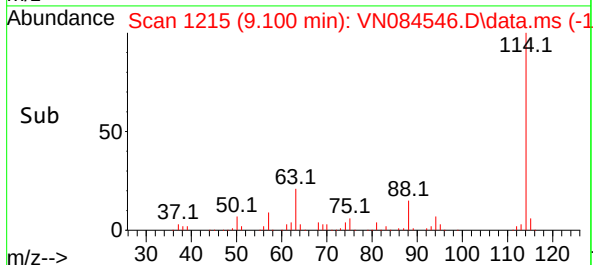
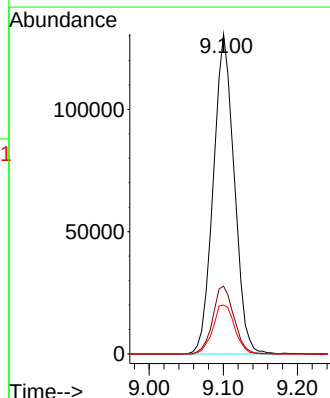
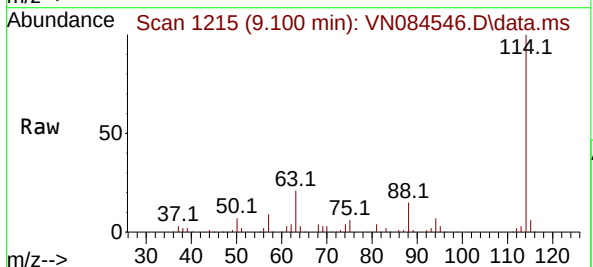
Tgt Ion: 114 Resp: 256636

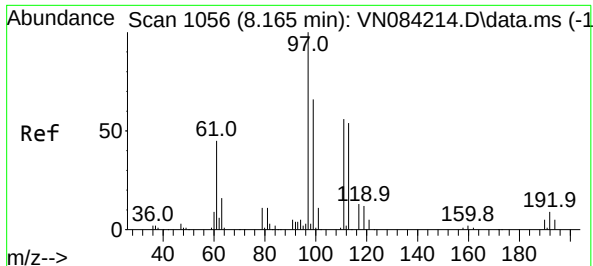
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

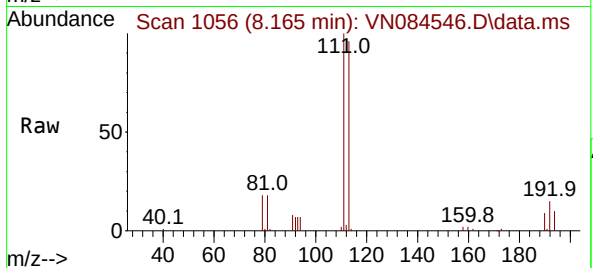
88 15.3 0.0 31.6



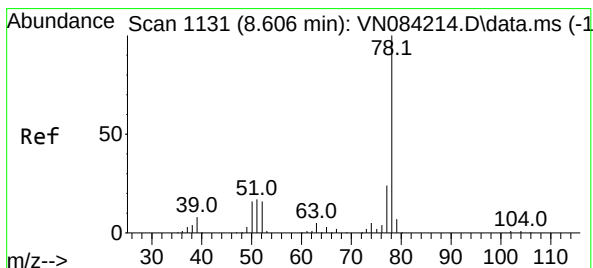
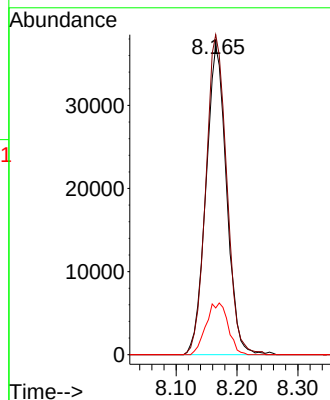
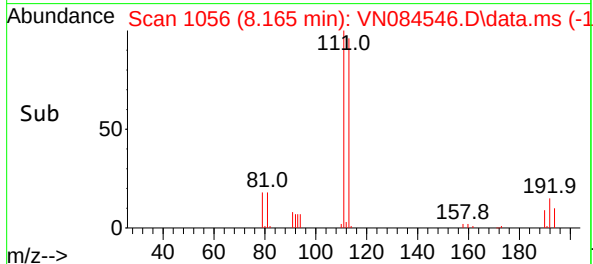


#35
Dibromofluoromethane
Concen: 51.833 ug/l
RT: 8.165 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

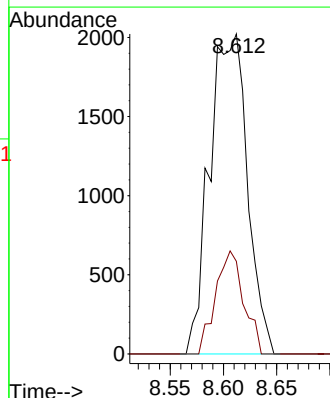
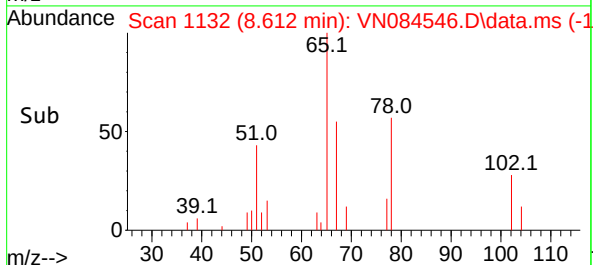
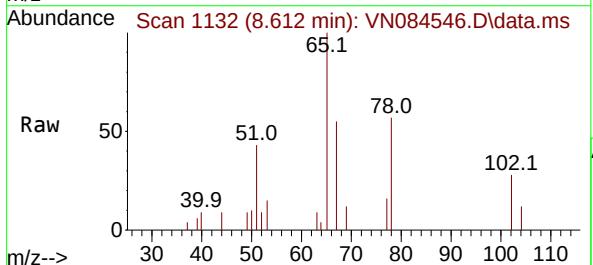


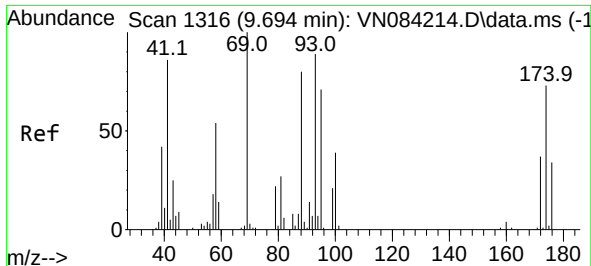
Tgt Ion:113 Resp: 87697
Ion Ratio Lower Upper
113 100
111 104.1 83.3 124.9
192 17.8 13.5 20.3



#40
Benzene
Concen: 0.651 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

Tgt Ion: 78 Resp: 4984
Ion Ratio Lower Upper
78 100
77 28.9 19.1 28.7#





#49

1,4-Dioxane

Concen: 159.045 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN084546.D

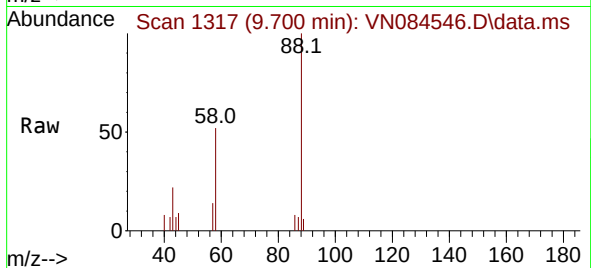
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Instrument :

MSVOA_N

ClientSampleId :

241023068-02-VOA



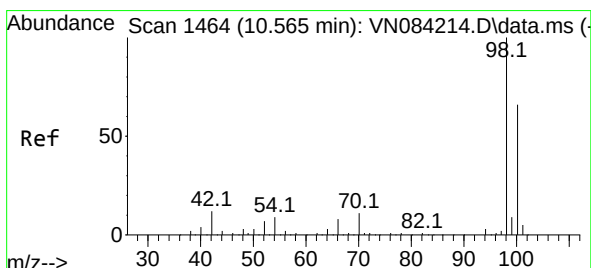
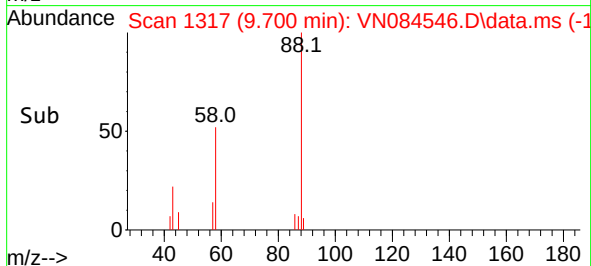
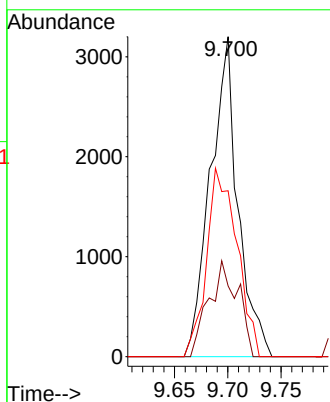
Tgt Ion: 88 Resp: 5756

Ion Ratio Lower Upper

88 100

43 31.5 25.3 37.9

58 64.8 56.4 84.6



#50

Toluene-d8

Concen: 49.471 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084546.D

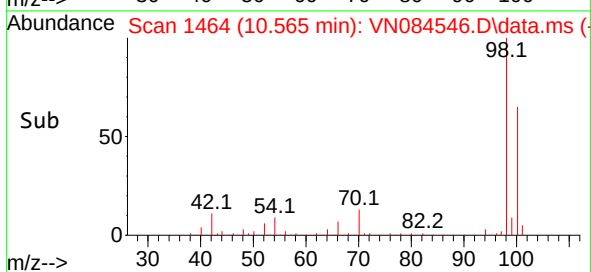
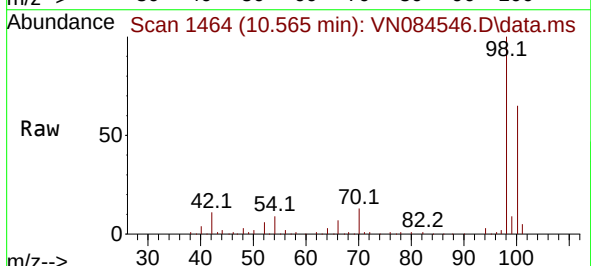
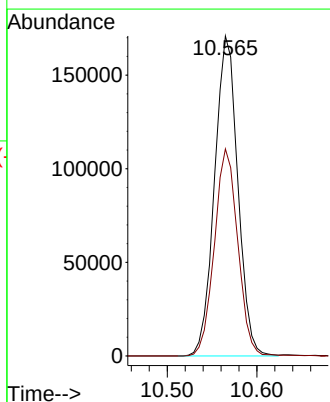
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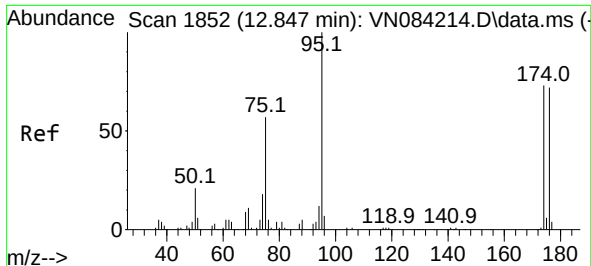
Tgt Ion: 98 Resp: 307940

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1

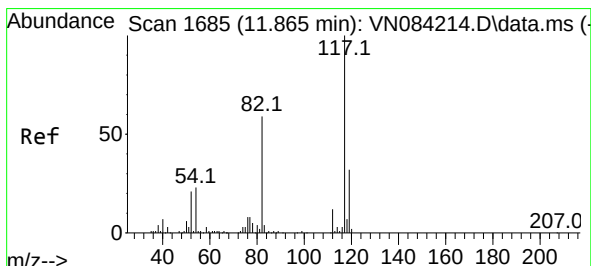
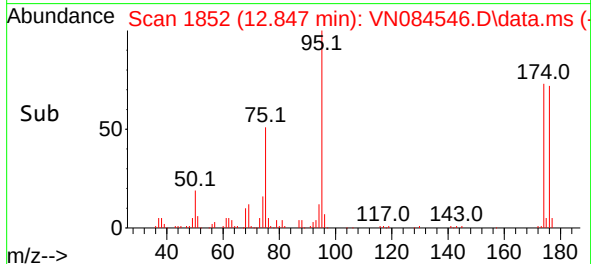
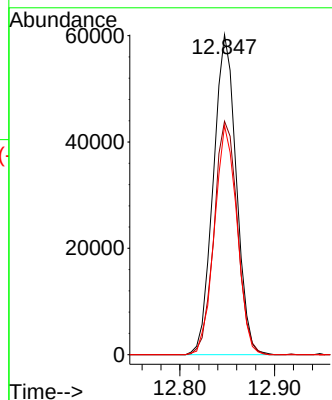
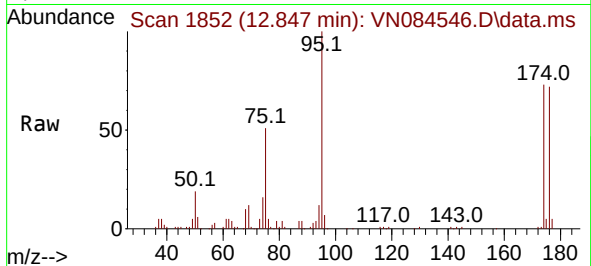




#62
4-Bromofluorobenzene
Concen: 44.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

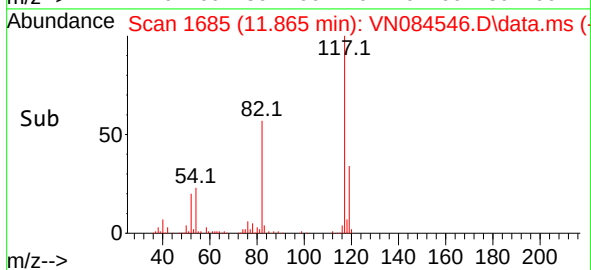
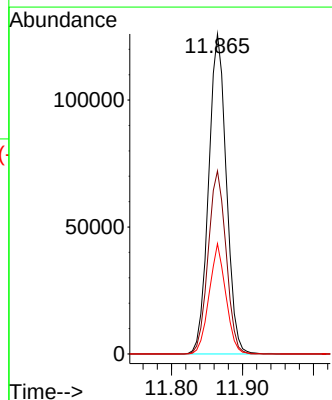
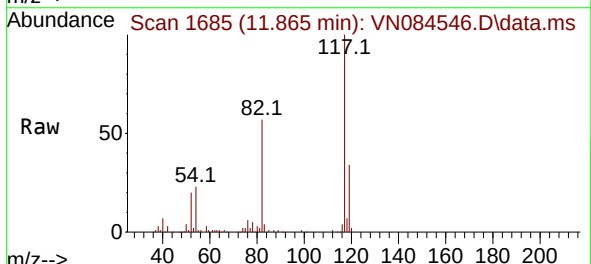
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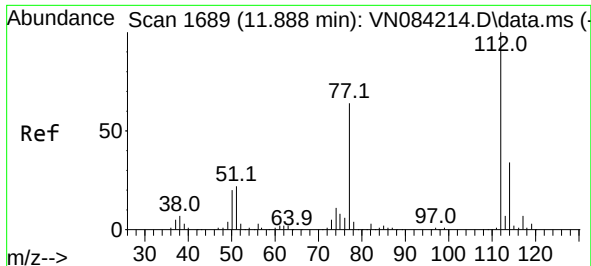
Tgt Ion: 95 Resp: 101341
Ion Ratio Lower Upper
95 100
174 74.1 0.0 145.2
176 70.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

Tgt Ion: 117 Resp: 218316
Ion Ratio Lower Upper
117 100
82 57.2 47.2 70.8
119 34.4 25.4 38.0

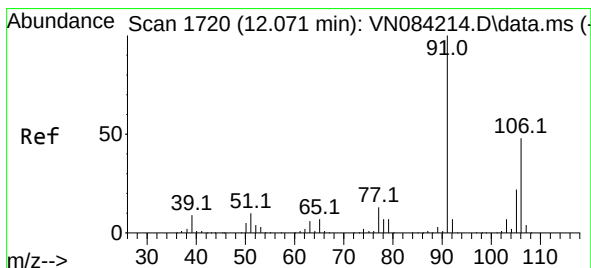
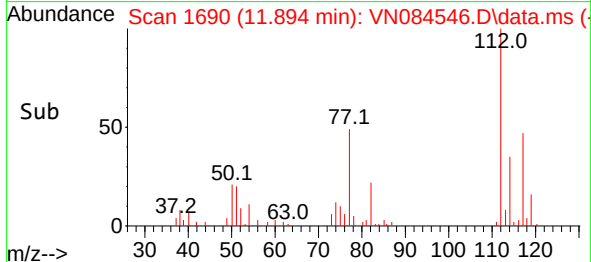
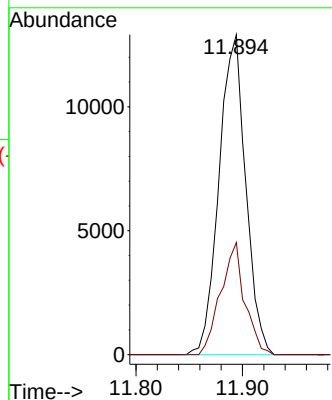
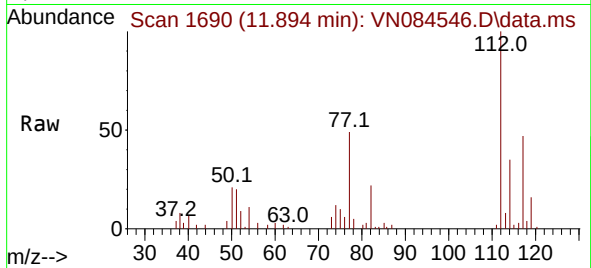




#65
Chlorobenzene
Concen: 4.629 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

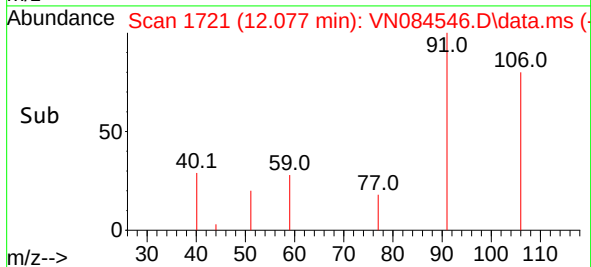
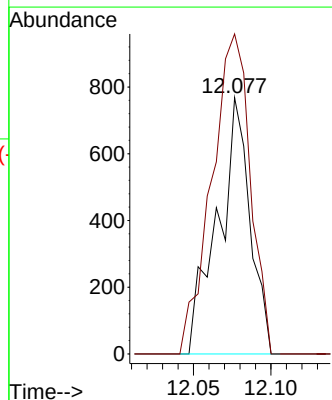
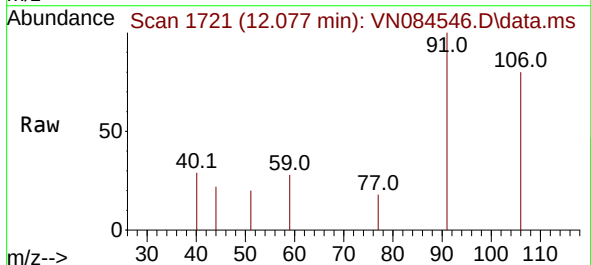
Instrument :
MSVOA_N
ClientSampleId :
241023068-02-VOA

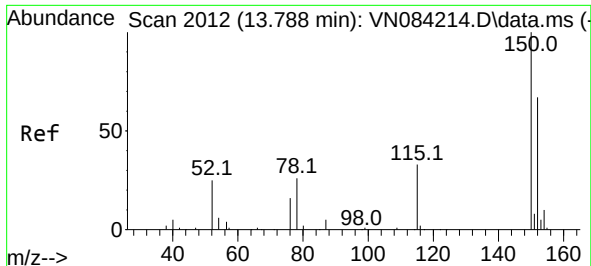
Tgt Ion:112 Resp: 22409
Ion Ratio Lower Upper
112 100
114 35.1 27.0 40.6



#68
m/p-Xylenes
Concen: 0.351 ug/l
RT: 12.077 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN084546.D
Acq: 28 Oct 2024 17:53

Tgt Ion:106 Resp: 1112
Ion Ratio Lower Upper
106 100
91 149.6 167.1 250.7#

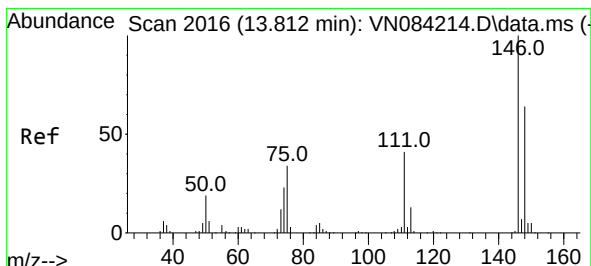
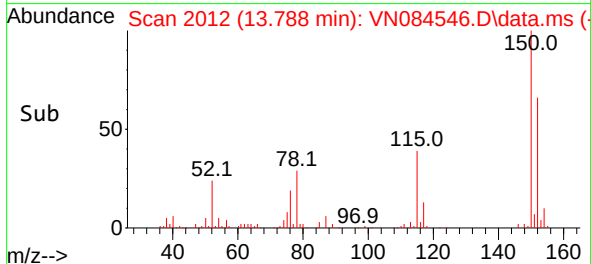
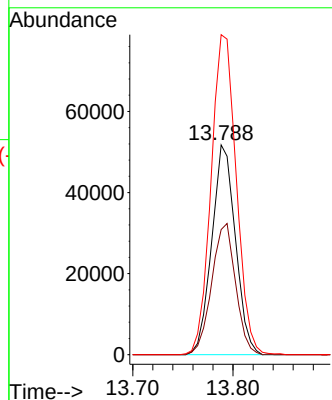
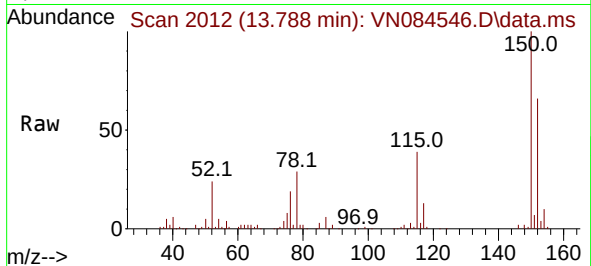




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN084546.D
 Acq: 28 Oct 2024 17:53

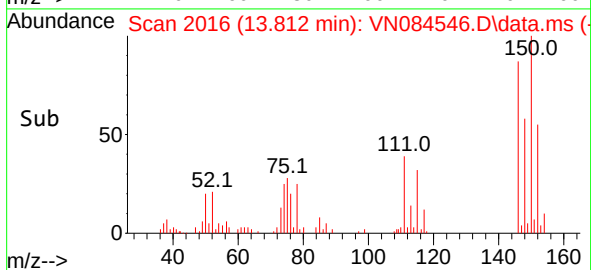
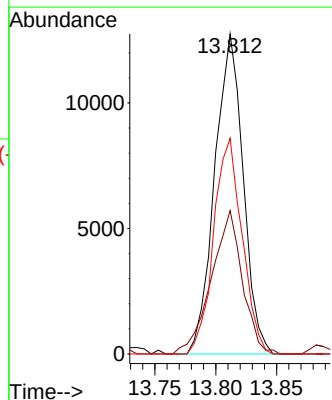
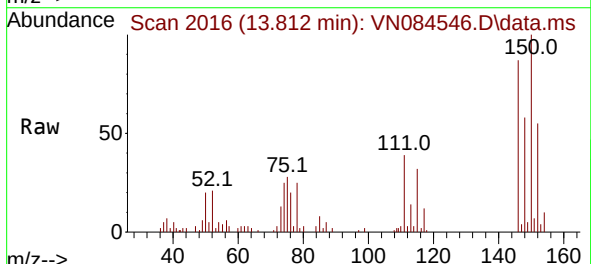
Instrument :
 MSVOA_N
 ClientSampleId :
 241023068-02-VOA

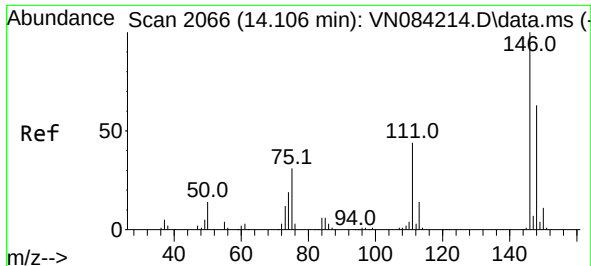
Tgt Ion:152 Resp: 84904
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.3 93.9
 150 162.3 0.0 349.8



#88
 1,4-Dichlorobenzene
 Concen: 6.992 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN084546.D
 Acq: 28 Oct 2024 17:53

Tgt Ion:146 Resp: 20701
 Ion Ratio Lower Upper
 146 100
 111 48.8 21.2 63.6
 148 67.4 31.9 95.9





#91

1,2-Dichlorobenzene

Concen: 0.404 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VN084546.D

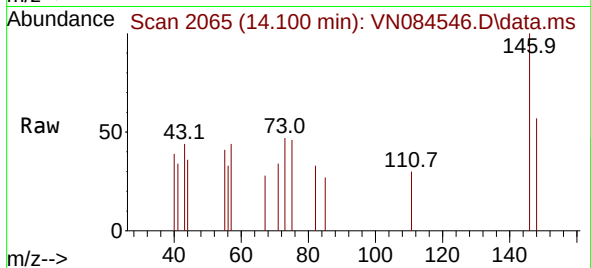
Acq: 28 Oct 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

241023068-02-VOA



Tgt Ion:	146	Resp:	1162
Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.0	66.0
148	60.0	32.1	96.3

