

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101024\
 Data File : VN084382.D
 Acq On : 10 Oct 2024 12:15
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

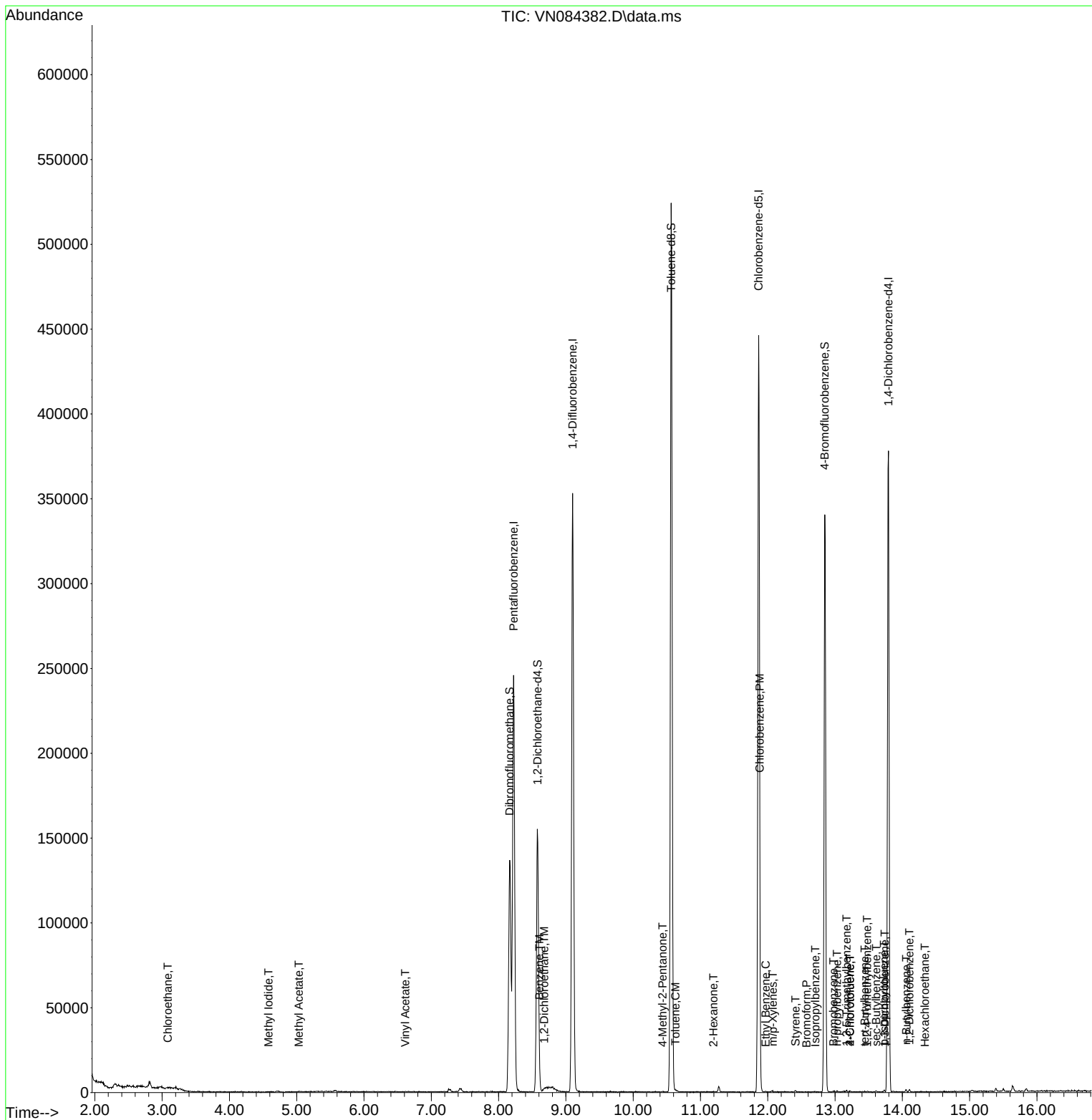
Quant Time: Oct 11 02:44:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

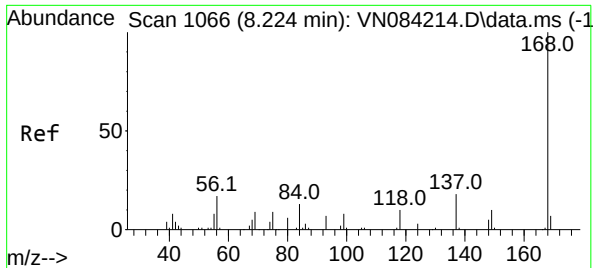
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	170541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122792	48.561	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.120%		
35) Dibromofluoromethane	8.165	113	99770	50.670	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.340%		
50) Toluene-d8	10.565	98	358048	49.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.847	95	118331	44.837	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.680%		
Target Compounds					Qvalue	
6) Chloroethane	3.083	64	233	0.146	ug/l #	45
10) Methyl Iodide	4.583	142	137	0.053	ug/l #	40
18) Methyl Acetate	5.030	43	127	0.054	ug/l #	51
23) Vinyl Acetate	6.612	43	56	0.011	ug/l #	72
40) Benzene	8.606	78	109	0.012	ug/l #	51
42) 1,2-Dichloroethane	8.677	62	130	0.043	ug/l #	75
51) 4-Methyl-2-Pentanone	10.435	43	248	0.089	ug/l #	36
52) Toluene	10.629	92	67	0.012	ug/l #	1
59) 2-Hexanone	11.194	43	85	0.041	ug/l	81
65) Chlorobenzene	11.882	112	288	0.052	ug/l #	40
67) Ethyl Benzene	11.970	91	437	0.044	ug/l #	44
68) m/p-Xylenes	12.076	106	258	0.071	ug/l	76
70) Styrene	12.412	104	477	0.081	ug/l #	42
71) Bromoform	12.576	173	57	0.040	ug/l #	30
73) Isopropylbenzene	12.706	105	309	0.040	ug/l #	49
77) Bromobenzene	12.976	156	61	0.033	ug/l #	1
78) n-propylbenzene	13.029	91	385	0.043	ug/l #	54
79) 2-Chlorotoluene	13.223	91	528	0.093	ug/l	86
80) 1,3,5-Trimethylbenzene	13.170	105	167	0.027	ug/l #	29
82) 4-Chlorotoluene	13.223	91	528	0.092	ug/l	86
83) tert-Butylbenzene	13.441	119	221	0.040	ug/l #	47
84) 1,2,4-Trimethylbenzene	13.476	105	278	0.044	ug/l #	32
85) sec-Butylbenzene	13.612	105	601	0.081	ug/l #	77
86) p-Isopropyltoluene	13.729	119	387	0.063	ug/l #	50
87) 1,3-Dichlorobenzene	13.741	146	606	0.174	ug/l #	49
89) n-Butylbenzene	14.059	91	898	0.161	ug/l #	83
90) Hexachloroethane	14.335	117	64	0.051	ug/l #	15
91) 1,2-Dichlorobenzene	14.106	146	578	0.169	ug/l #	78

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

Quant Time: Oct 11 02:44:28 2024
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QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

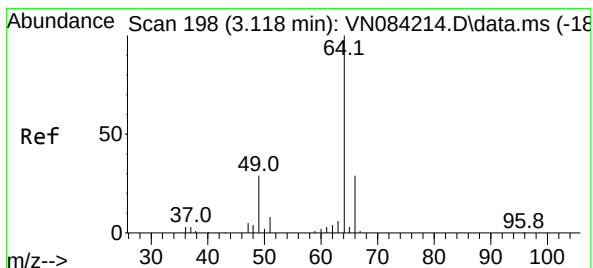
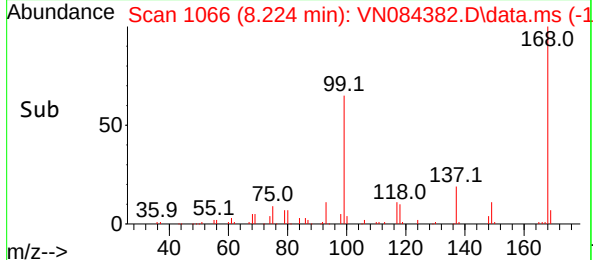
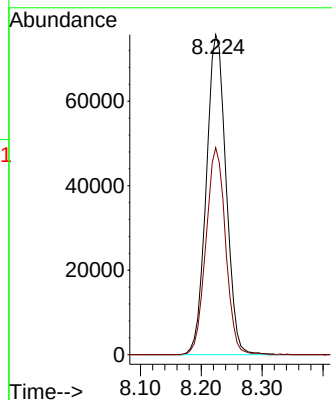
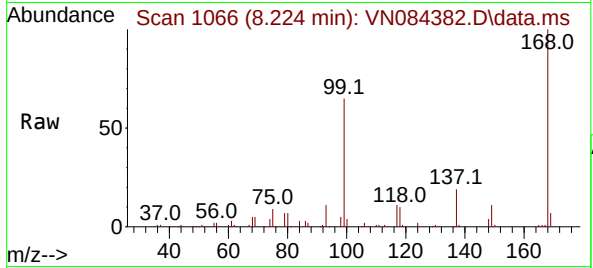




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

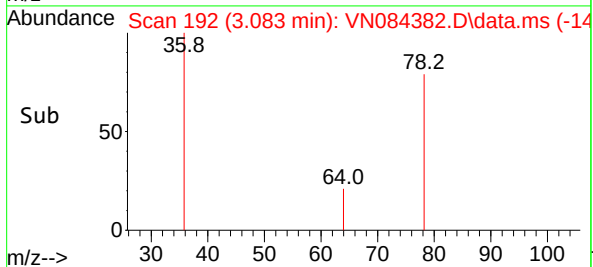
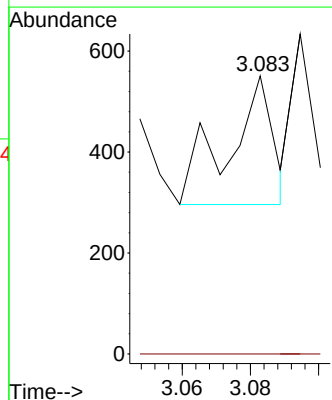
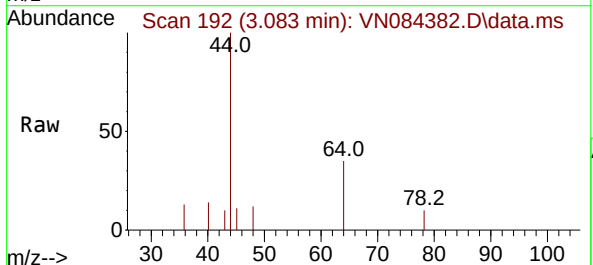
Instrument :
MSVOA_N
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IBLK

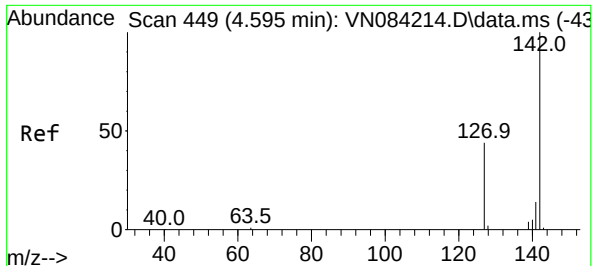
Tgt Ion:168 Resp: 170541
Ion Ratio Lower Upper
168 100
99 64.7 54.2 81.2



#6
Chloroethane
Concen: 0.146 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.035 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 64 Resp: 233
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

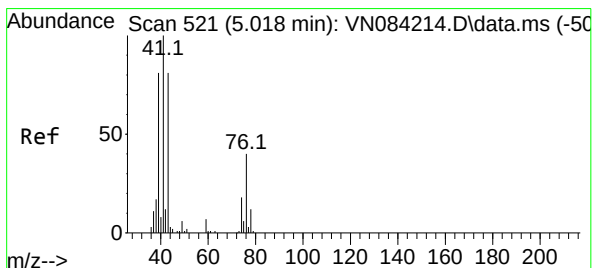
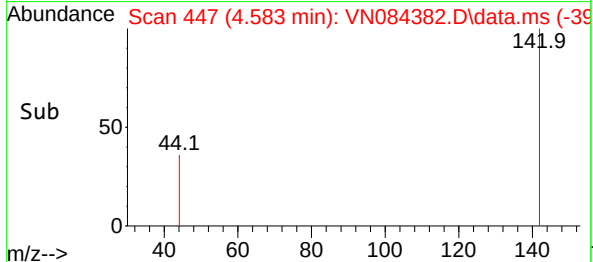
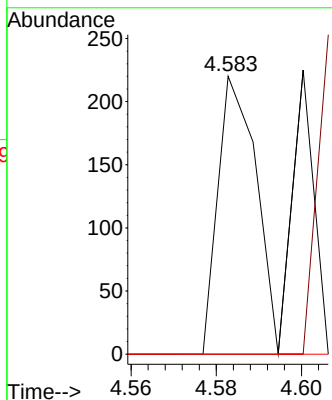
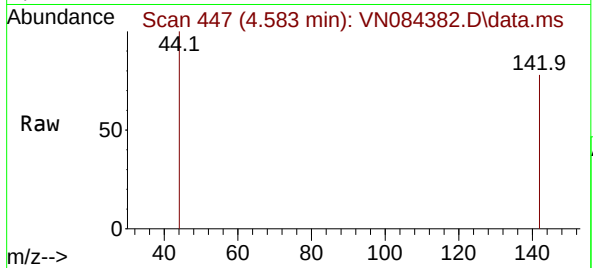




#10
Methyl Iodide
Concen: 0.053 ug/l
RT: 4.583 min Scan# 449
Delta R.T. -0.012 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

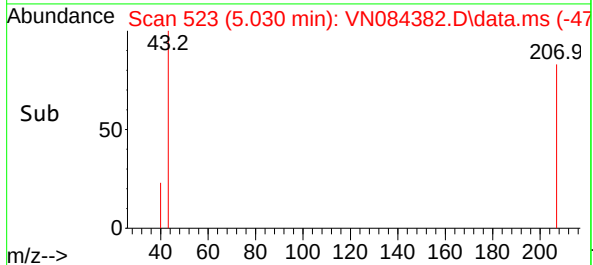
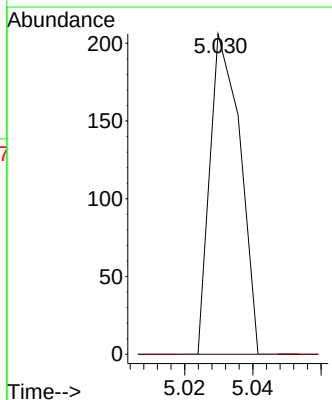
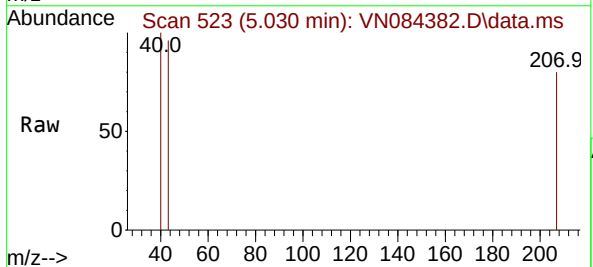
Instrument :
MSVOA_N
ClientSampleId :
IBLK

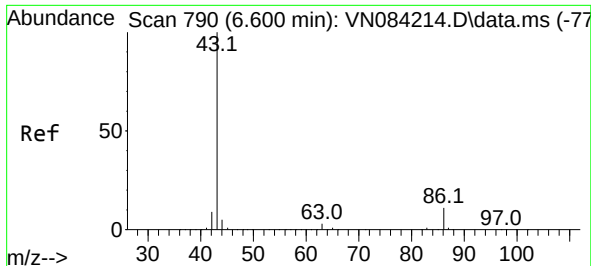
Tgt Ion:142 Resp: 137
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.0 16.6#



#18
Methyl Acetate
Concen: 0.054 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

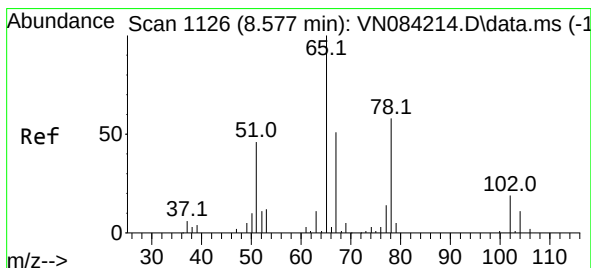
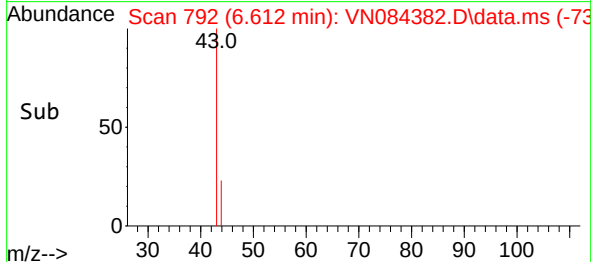
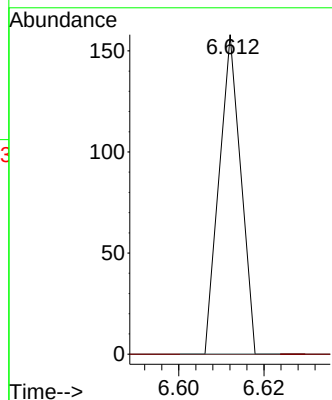
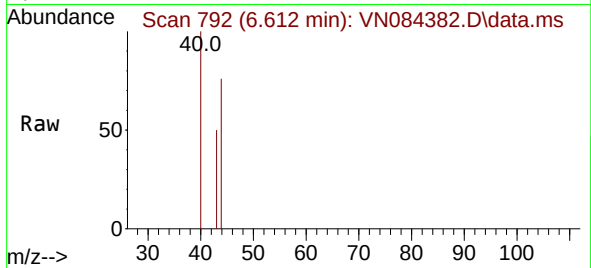




#23
 Vinyl Acetate
 Concen: 0.011 ug/l
 RT: 6.612 min Scan# 790
 Delta R.T. 0.012 min
 Lab File: VN084382.D
 Acq: 10 Oct 2024 12:15

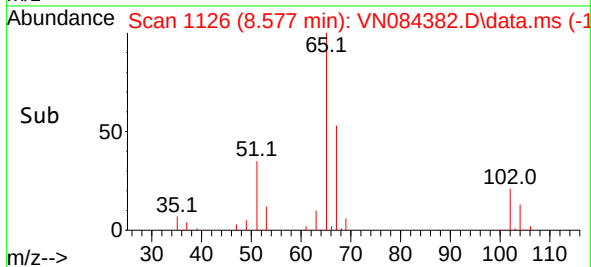
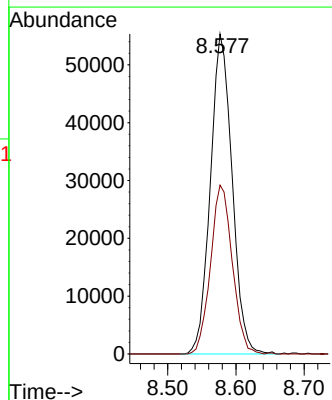
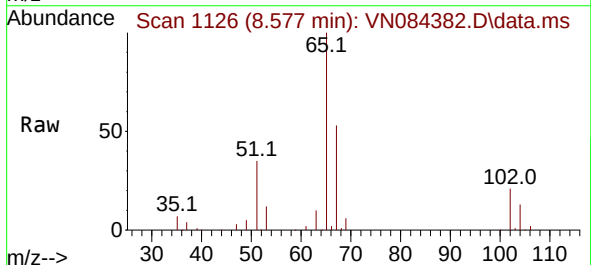
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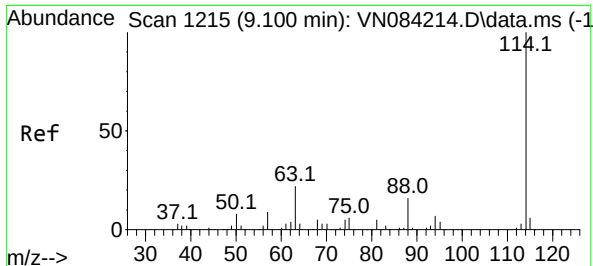
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#33
 1,2-Dichloroethane-d4
 Concen: 48.561 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084382.D
 Acq: 10 Oct 2024 12:15

Tgt Ion: 65 Resp: 122792
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084382.D

Acq: 10 Oct 2024 12:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

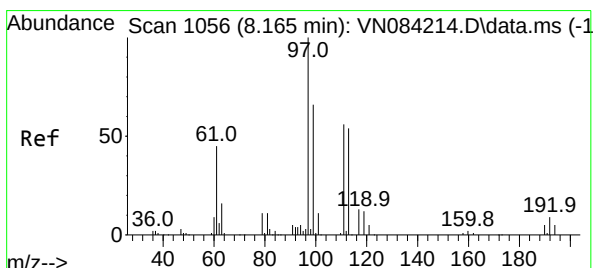
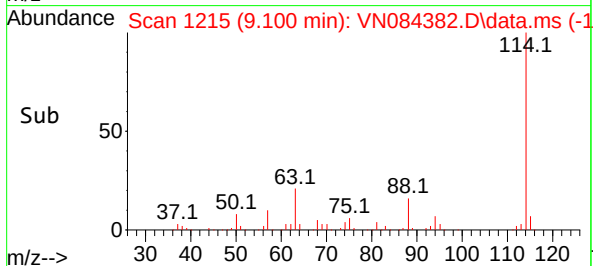
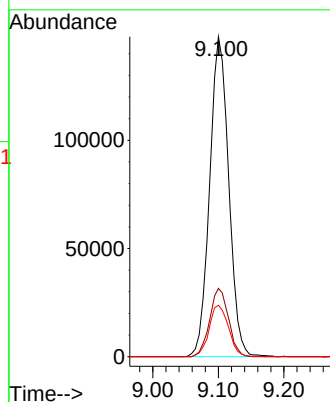
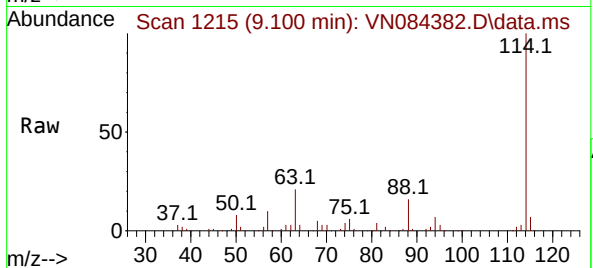
Tgt Ion:114 Resp: 298668

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 16.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.670 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084382.D

Acq: 10 Oct 2024 12:15

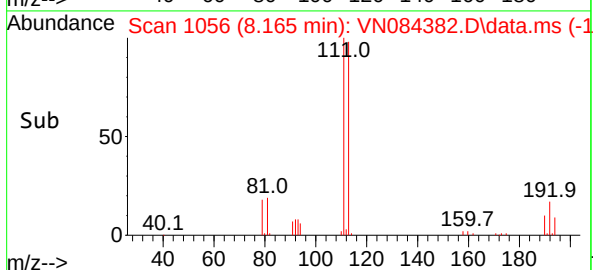
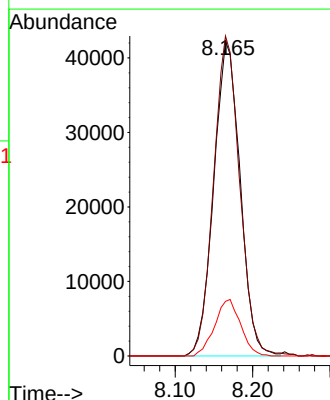
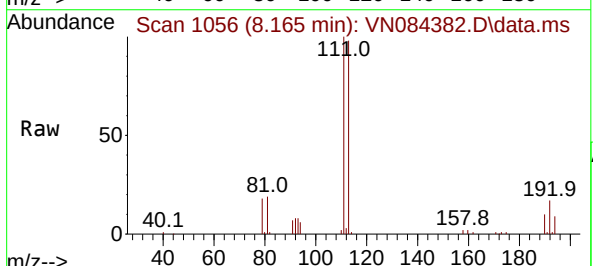
Tgt Ion:113 Resp: 99770

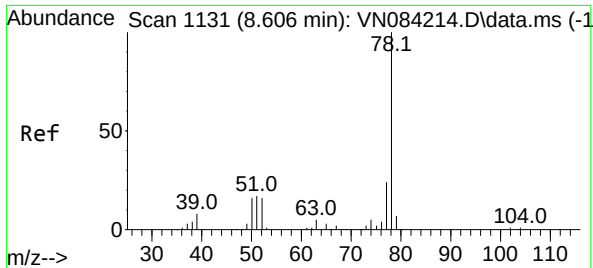
Ion Ratio Lower Upper

113 100

111 101.0 83.3 124.9

192 17.7 13.5 20.3

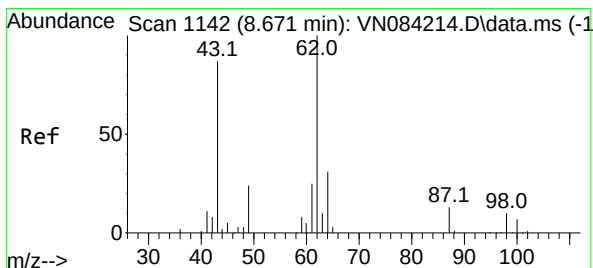
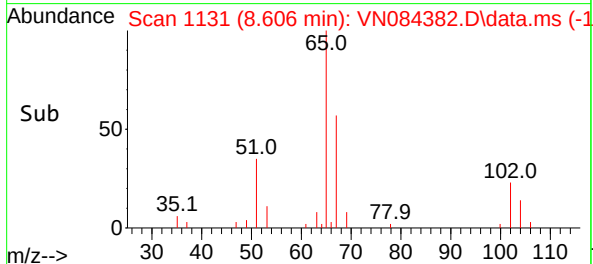
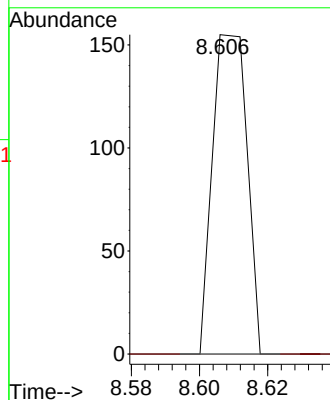
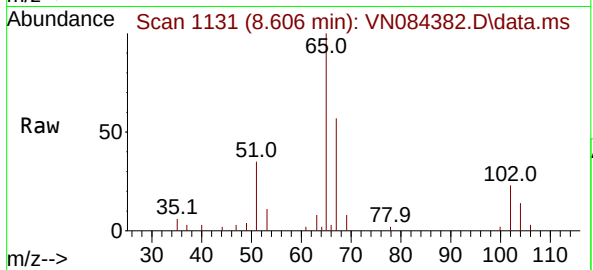




#40
Benzene
Concen: 0.012 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

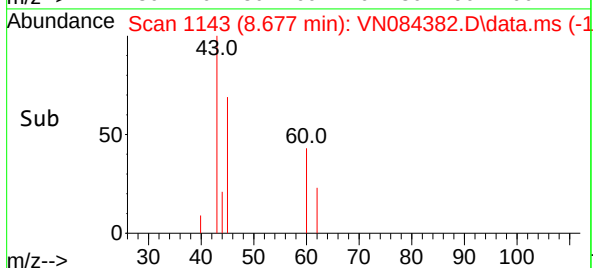
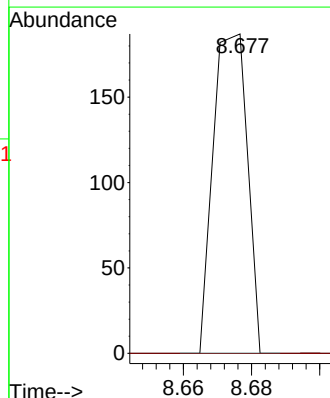
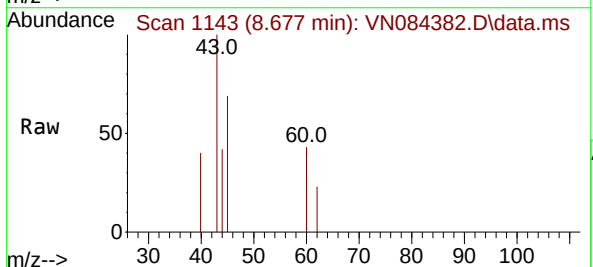
Instrument :
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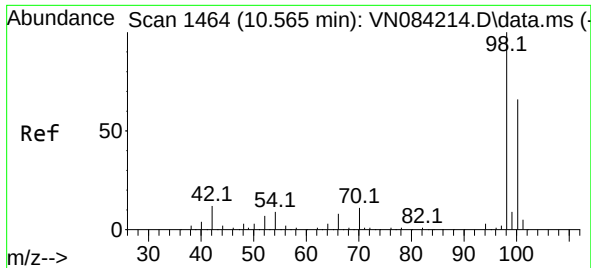
Tgt Ion: 78 Resp: 109
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#



#42
1,2-Dichloroethane
Concen: 0.043 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 62 Resp: 130
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

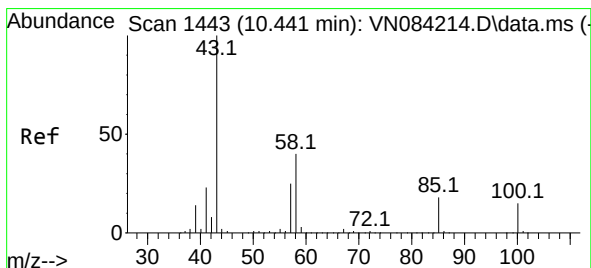
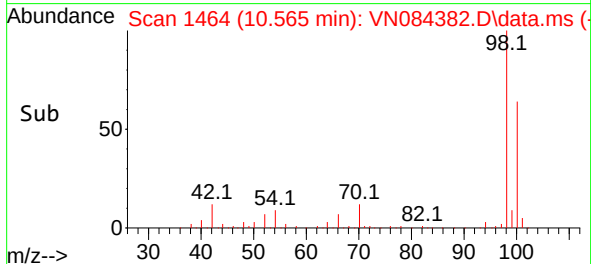
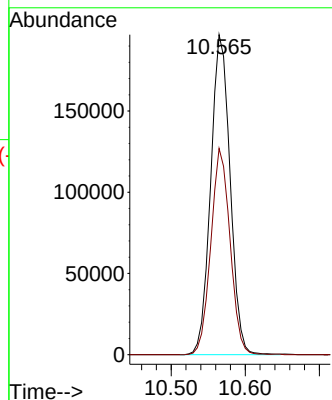
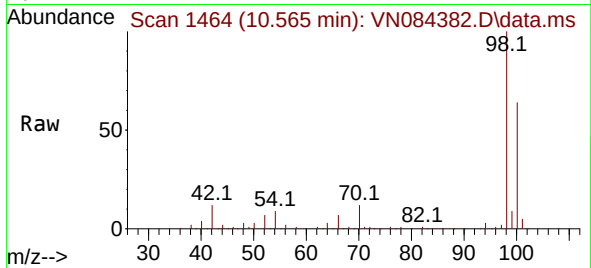




#50
Toluene-d8
Concen: 49.426 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

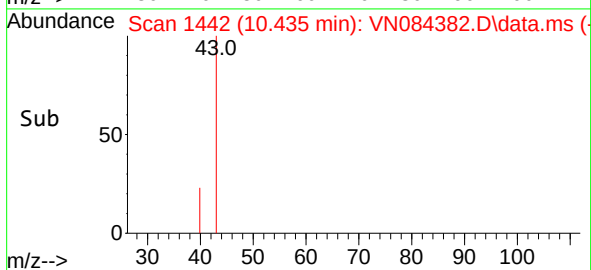
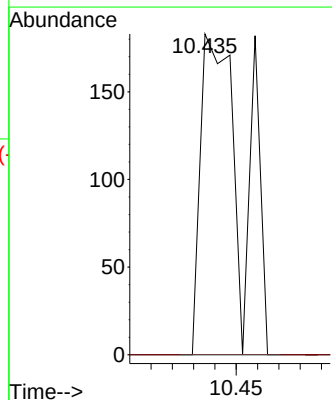
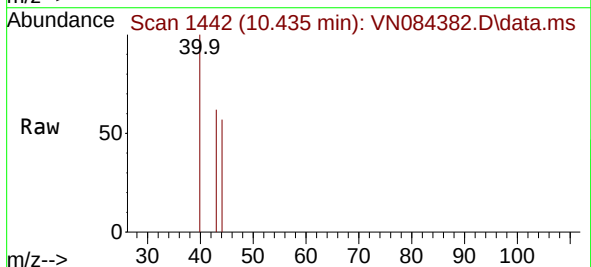
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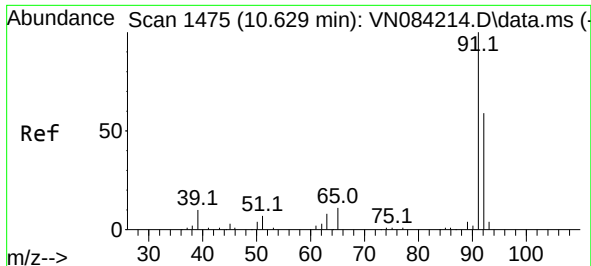
Tgt Ion: 98 Resp: 358048
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.089 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
58 0.0 31.6 47.4#

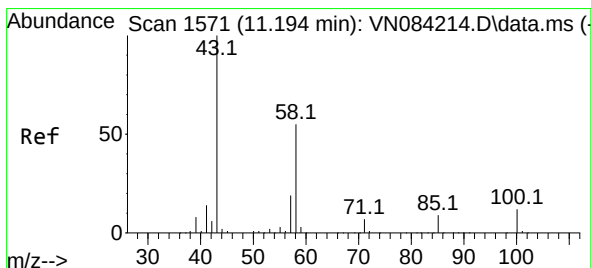
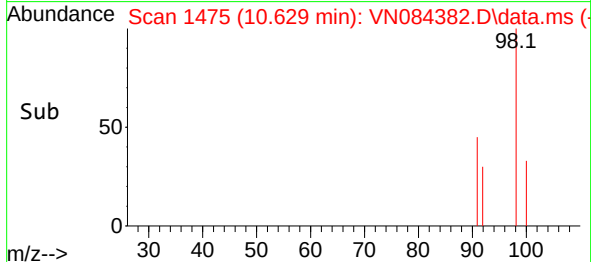
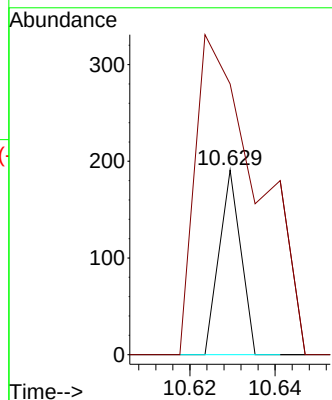
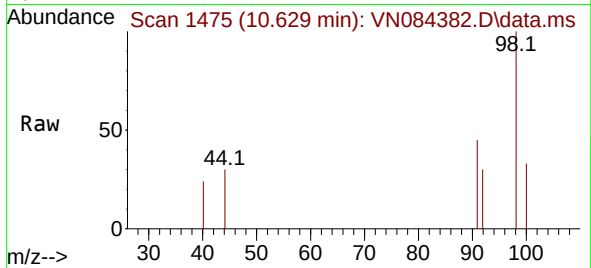




#52
Toluene
Concen: 0.012 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

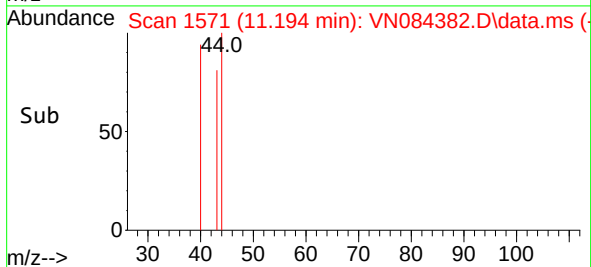
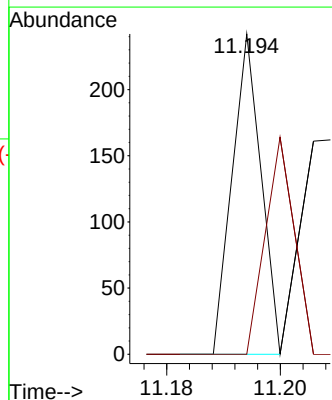
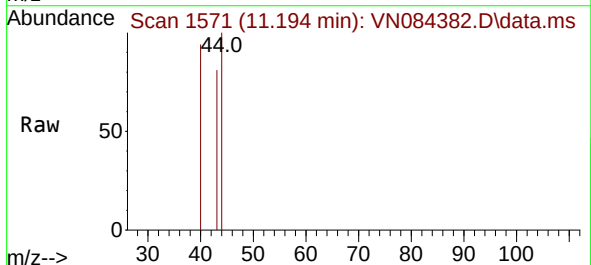
Instrument :
MSVOA_N
ClientSampleId :
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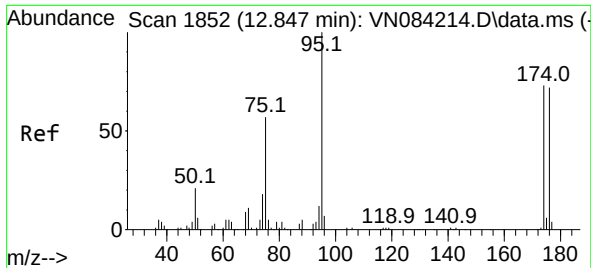
Tgt Ion: 92 Resp: 67
Ion Ratio Lower Upper
92 100
91 498.5 137.3 205.9#



#59
2-Hexanone
Concen: 0.041 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 68.2 27.3 81.8

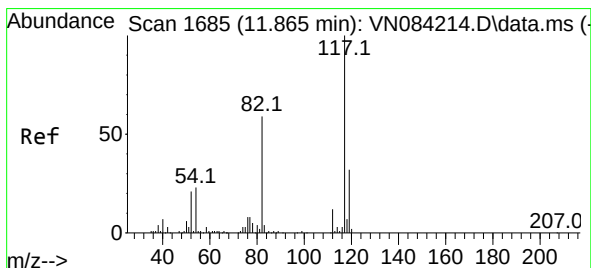
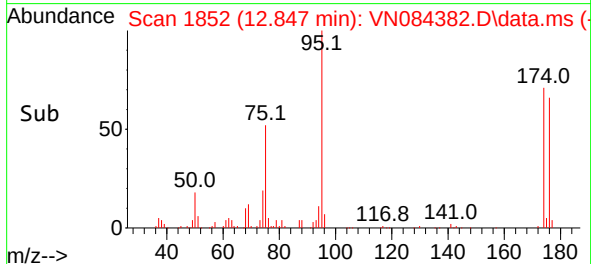
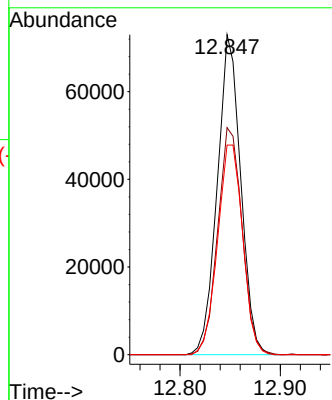
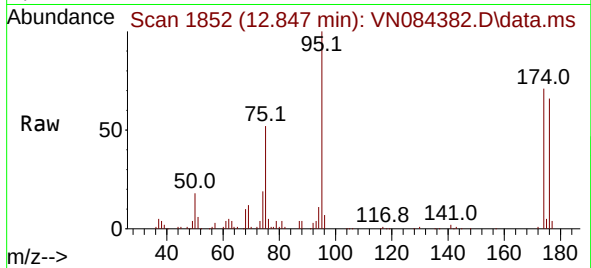




#62
4-Bromofluorobenzene
Concen: 44.837 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

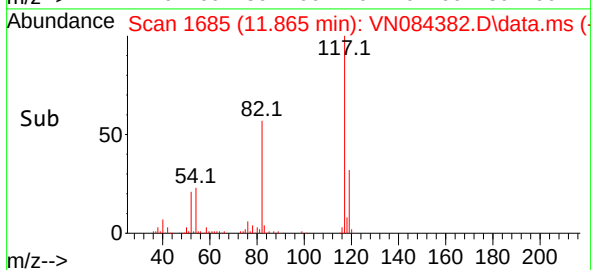
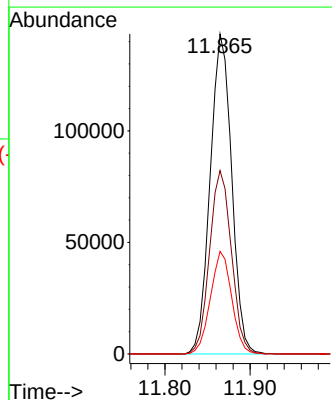
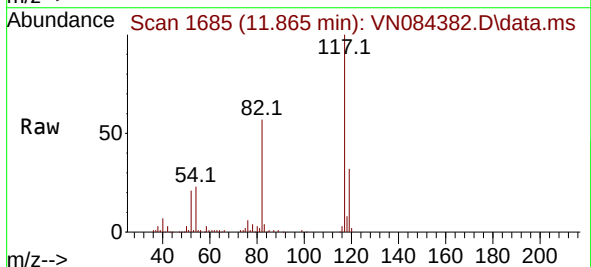
Instrument :
MSVOA_N
ClientSampleId :
IBLK

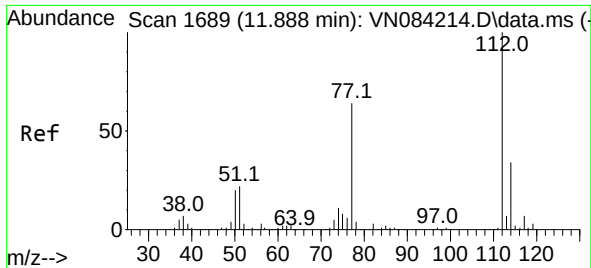
Tgt Ion: 95 Resp: 118331
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.2
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 117 Resp: 252040
Ion Ratio Lower Upper
117 100
82 57.3 47.2 70.8
119 32.0 25.4 38.0

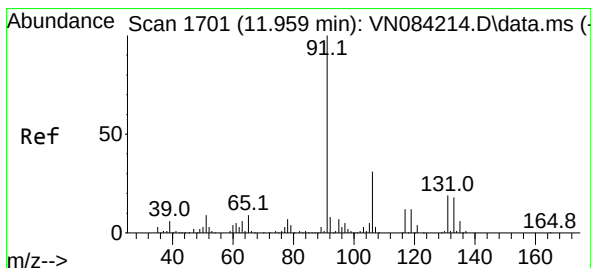
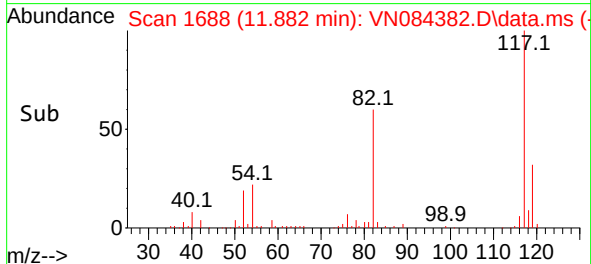
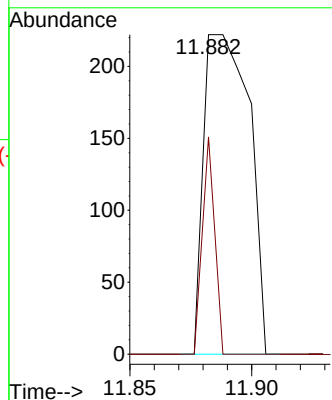
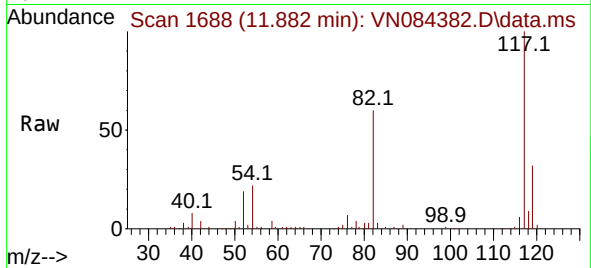




#65
Chlorobenzene
Concen: 0.052 ug/l
RT: 11.882 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

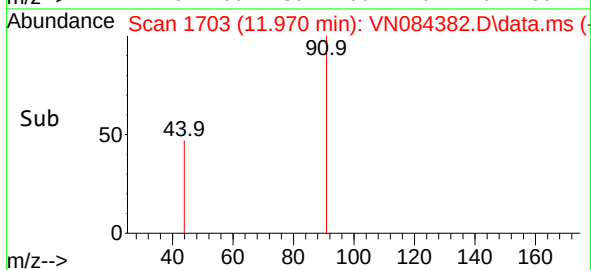
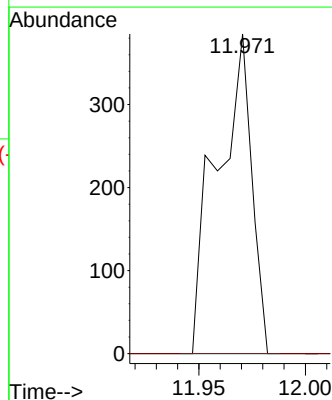
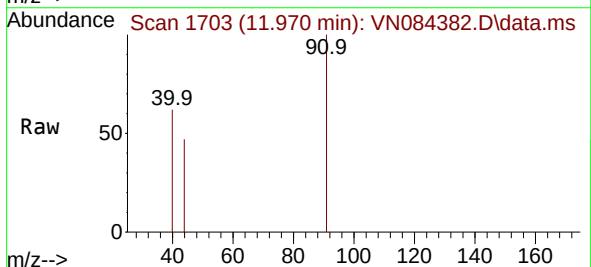
Instrument :
MSVOA_N
ClientSampleId :
IBLK

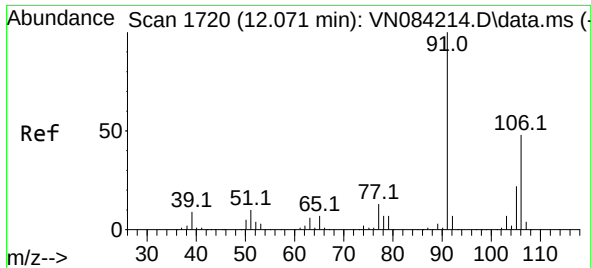
Tgt Ion:112 Resp: 288
Ion Ratio Lower Upper
112 100
114 68.0 27.0 40.6#



#67
Ethyl Benzene
Concen: 0.044 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.012 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 91 Resp: 437
Ion Ratio Lower Upper
91 100
106 0.0 24.5 36.7#

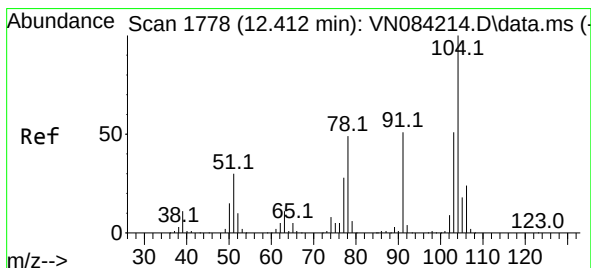
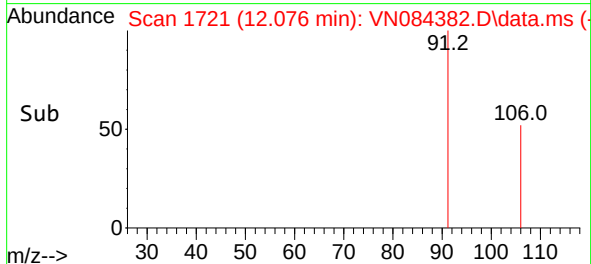
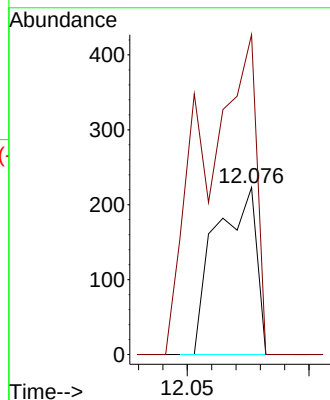
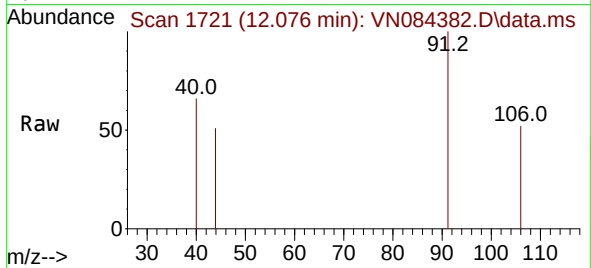




#68
m/p-Xylenes
Concen: 0.071 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

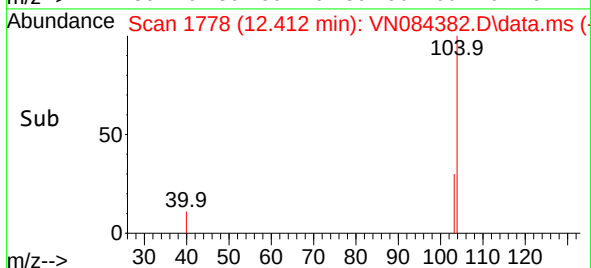
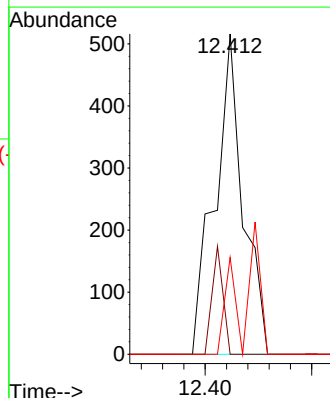
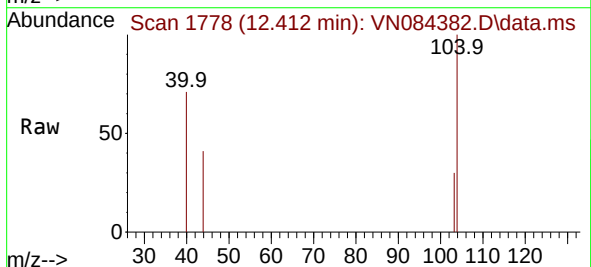
Instrument :
MSVOA_N
ClientSampleId :
IBLK

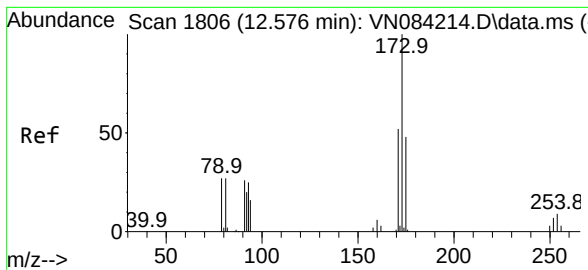
Tgt Ion:106 Resp: 258
Ion Ratio Lower Upper
106 100
91 246.9 167.1 250.7



#70
Styrene
Concen: 0.081 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion:104 Resp: 477
Ion Ratio Lower Upper
104 100
78 12.8 42.7 64.1#
103 11.5 43.6 65.4#





#71

Bromoform

Concen: 0.040 ug/l

RT: 12.576 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084382.D

Acq: 10 Oct 2024 12:15

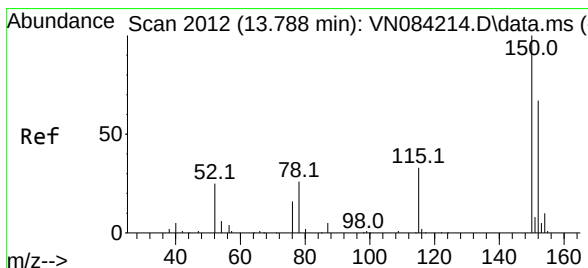
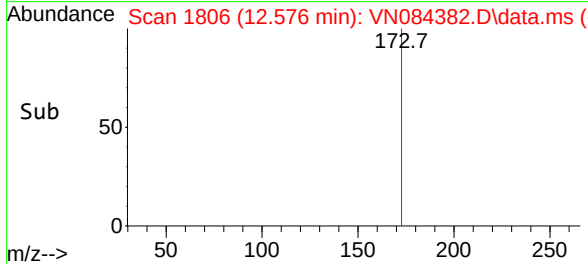
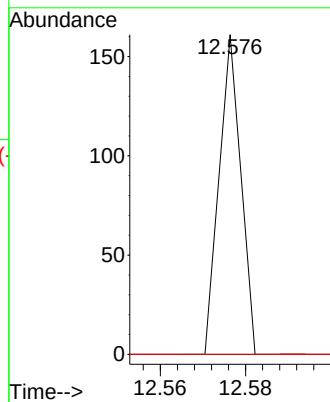
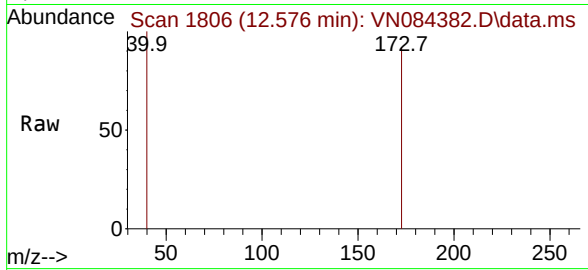
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:	173	Resp:	57
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

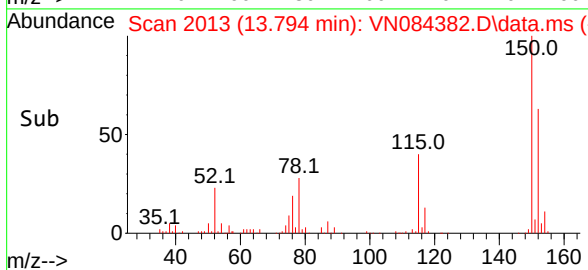
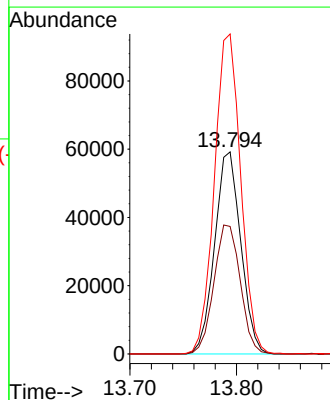
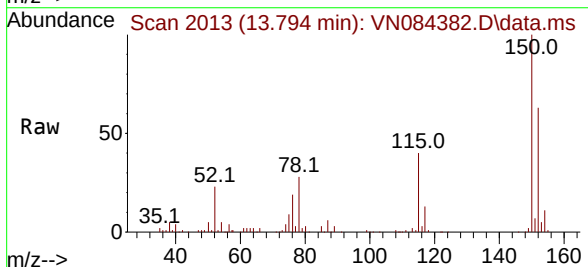
RT: 13.794 min Scan# 2013

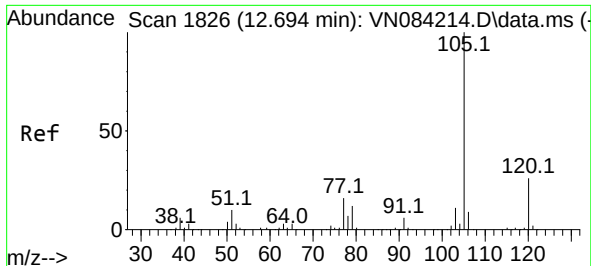
Delta R.T. 0.006 min

Lab File: VN084382.D

Acq: 10 Oct 2024 12:15

Tgt Ion:	152	Resp:	100764
Ion Ratio	Lower	Upper	
152	100		
115	64.3	31.3	93.9
150	159.7	0.0	349.8

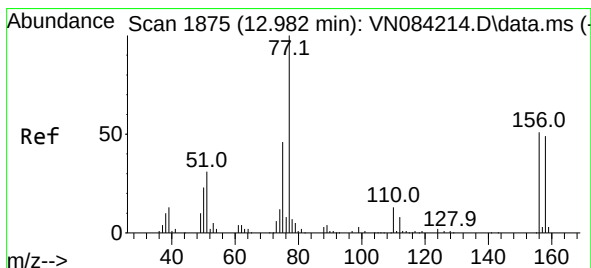
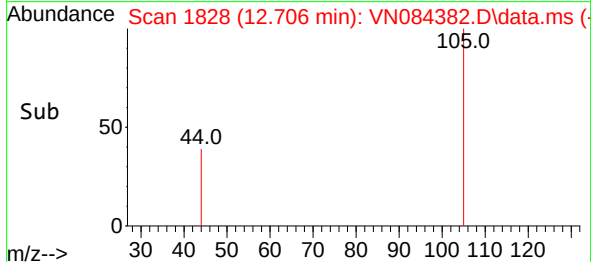
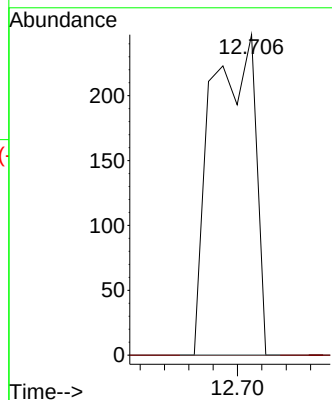
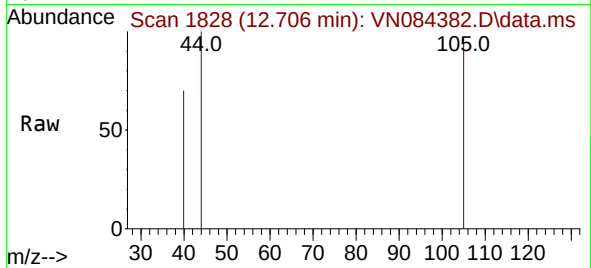




#73
Isopropylbenzene
Concen: 0.040 ug/l
RT: 12.706 min Scan# 1828
Delta R.T. 0.012 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

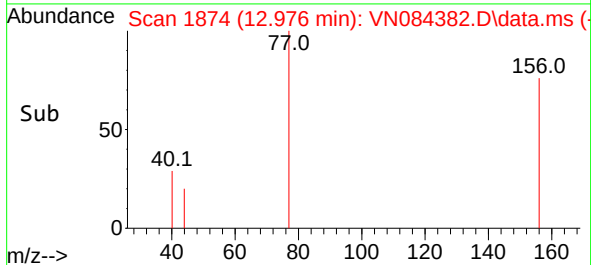
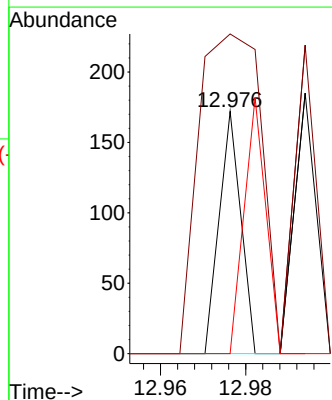
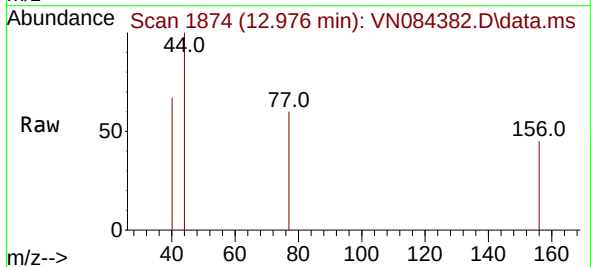
Instrument :
MSVOA_N
ClientSampleId :
IBLK

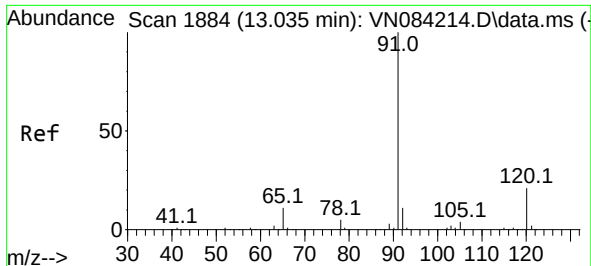
Tgt Ion:105 Resp: 309
Ion Ratio Lower Upper
105 100
120 0.0 12.9 38.7#



#77
Bromobenzene
Concen: 0.033 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion:156 Resp: 61
Ion Ratio Lower Upper
156 100
77 504.9 115.1 345.3#
158 104.9 48.9 146.8

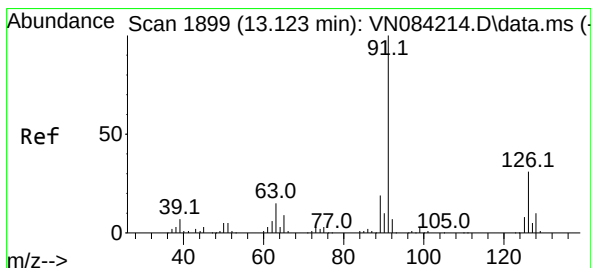
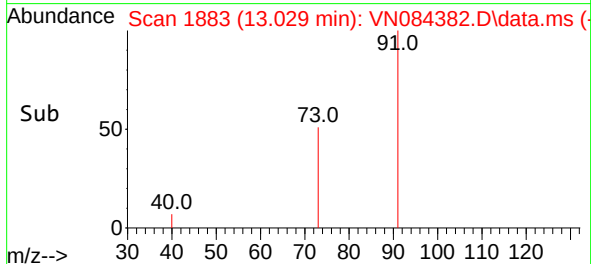
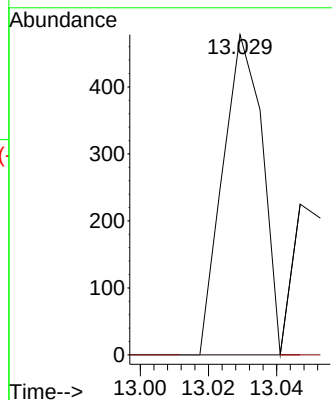
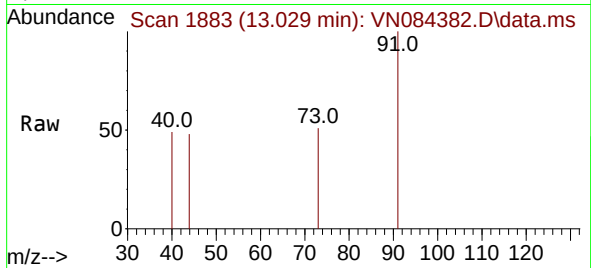




#78
n-propylbenzene
Concen: 0.043 ug/l
RT: 13.029 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

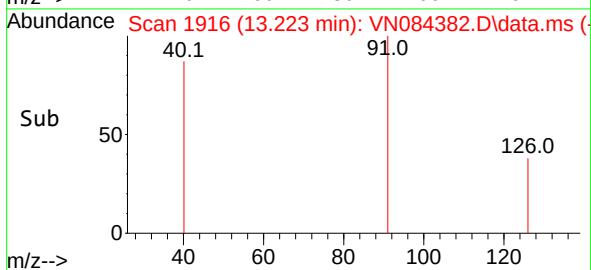
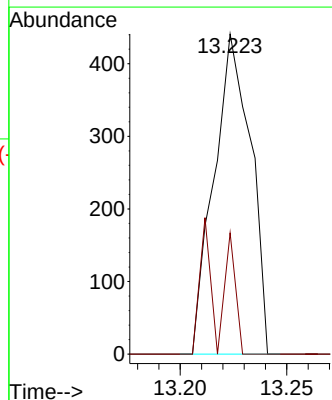
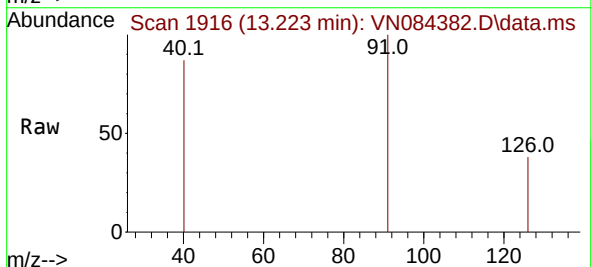
Instrument :
MSVOA_N
ClientSampleId :
IBLK

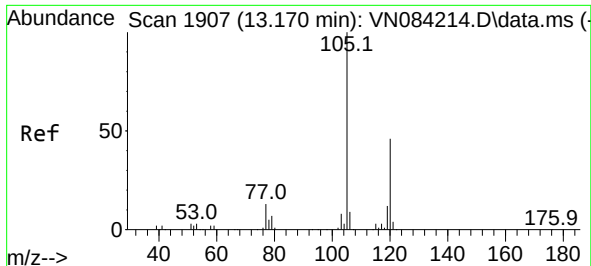
Tgt Ion: 91 Resp: 385
Ion Ratio Lower Upper
91 100
120 0.0 10.8 32.4#



#79
2-Chlorotoluene
Concen: 0.093 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.100 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 91 Resp: 528
Ion Ratio Lower Upper
91 100
126 23.7 15.7 47.1

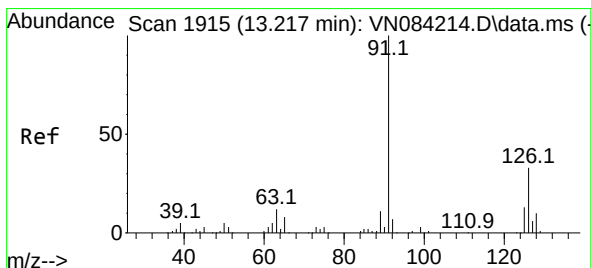
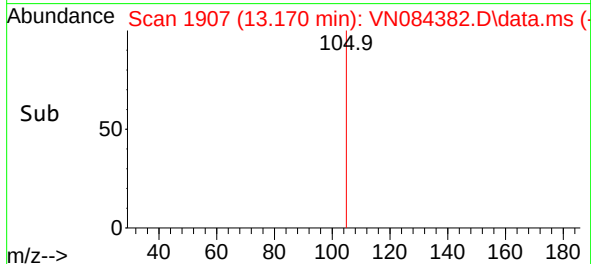
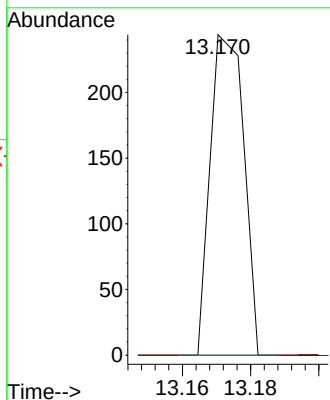
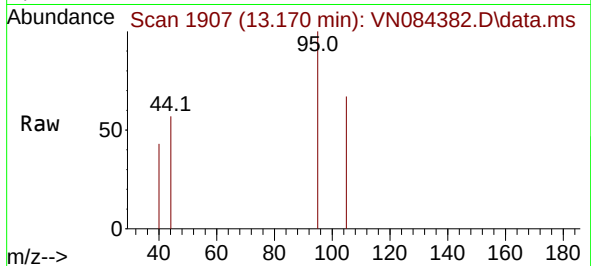




#80
1,3,5-Trimethylbenzene
Concen: 0.027 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

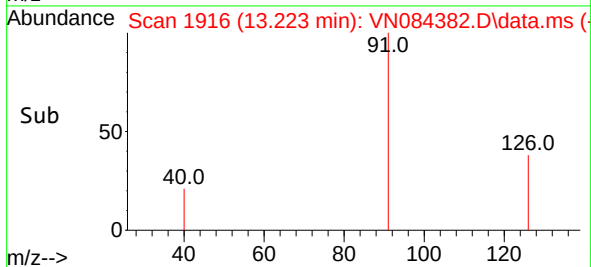
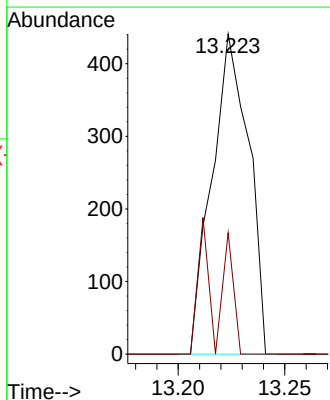
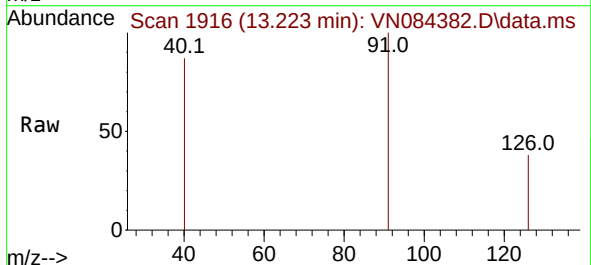
Instrument :
MSVOA_N
ClientSampleId :
IBLK

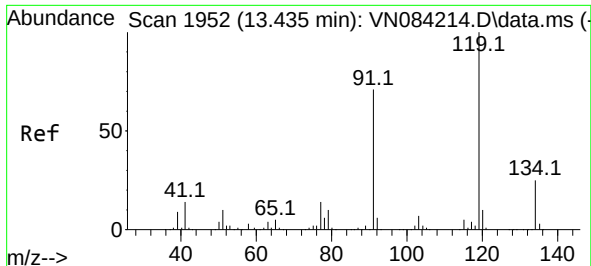
Tgt Ion:105 Resp: 167
Ion Ratio Lower Upper
105 100
120 0.0 23.7 71.1#



#82
4-Chlorotoluene
Concen: 0.092 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion: 91 Resp: 528
Ion Ratio Lower Upper
91 100
126 23.7 15.7 47.1

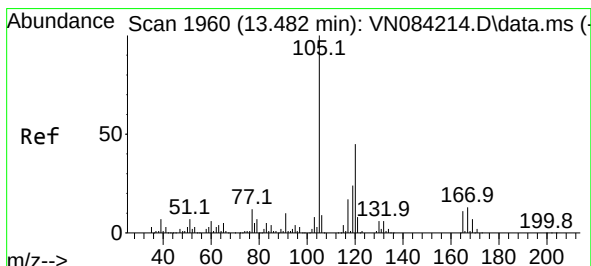
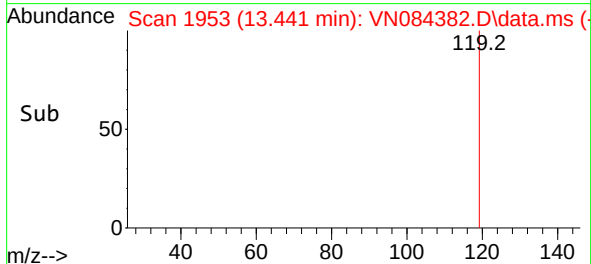
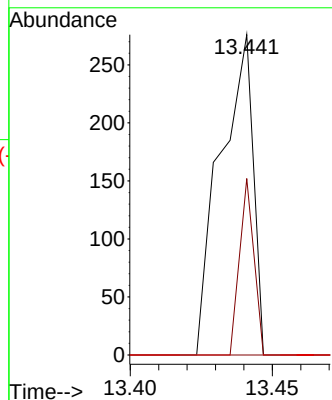
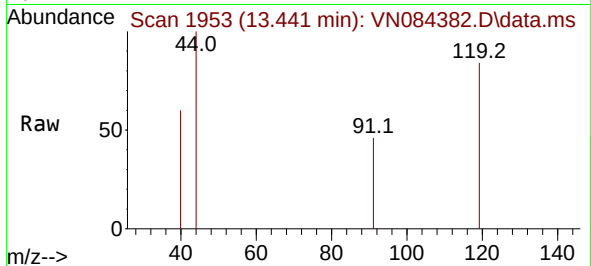




#83
tert-Butylbenzene
Concen: 0.040 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

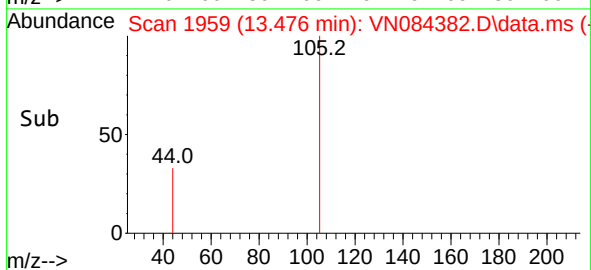
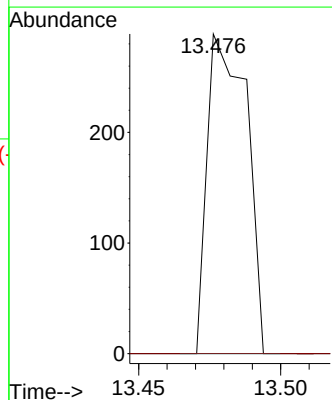
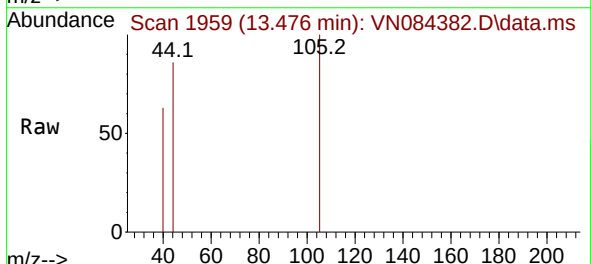
Instrument :
MSVOA_N
ClientSampleId :
IBLK

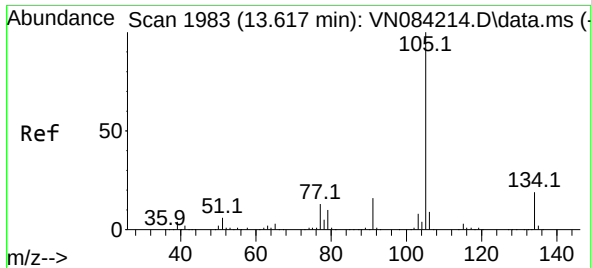
Tgt Ion:119 Resp: 221
Ion Ratio Lower Upper
119 100
91 24.4 34.1 102.3#
134 0.0 12.8 38.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.044 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN084382.D
Acq: 10 Oct 2024 12:15

Tgt Ion:105 Resp: 278
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#

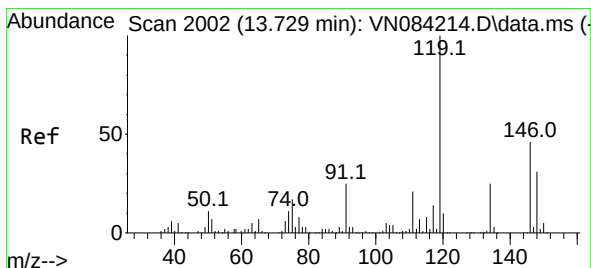
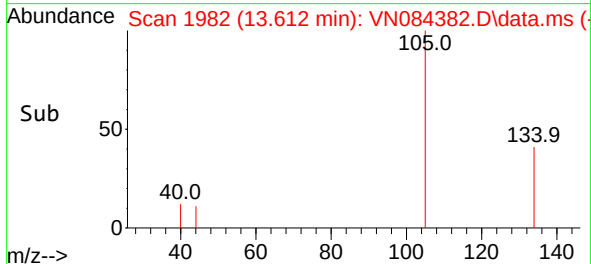
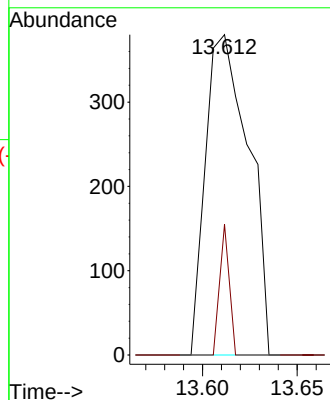
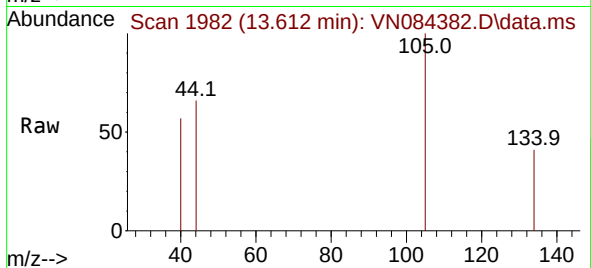




#85
 sec-Butylbenzene
 Concen: 0.081 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN084382.D
 Acq: 10 Oct 2024 12:15

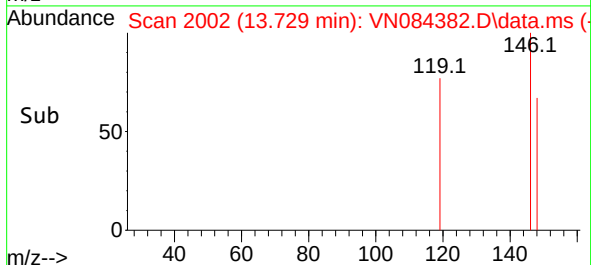
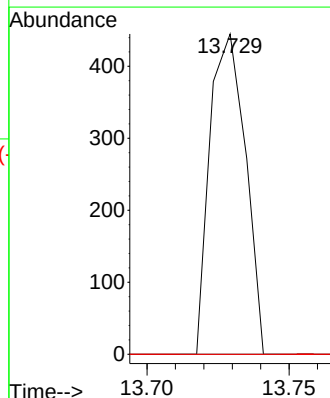
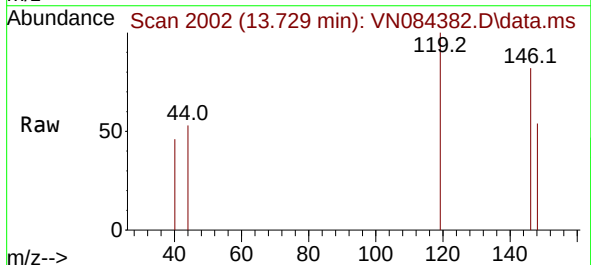
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

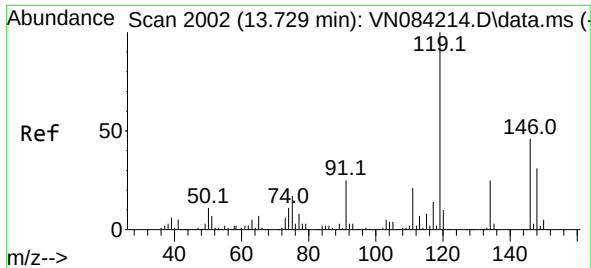
Tgt Ion:105 Resp: 601
 Ion Ratio Lower Upper
 105 100
 134 9.2 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 0.063 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN084382.D
 Acq: 10 Oct 2024 12:15

Tgt Ion:119 Resp: 387
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.6 37.8#
 91 0.0 12.4 37.2#

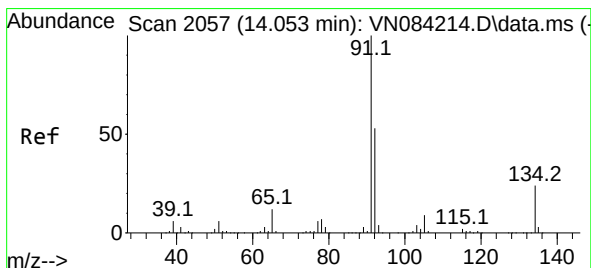
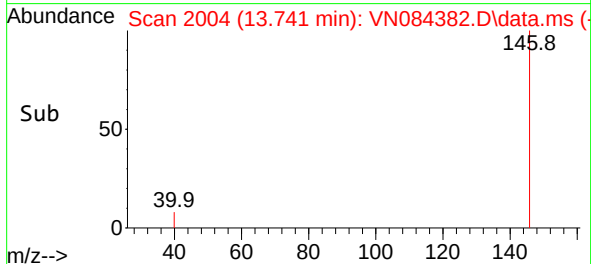
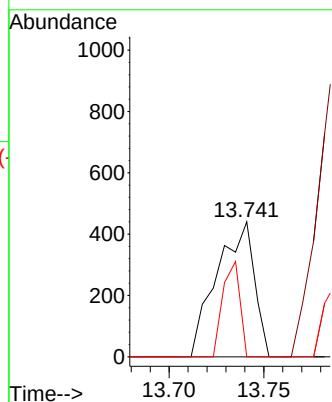
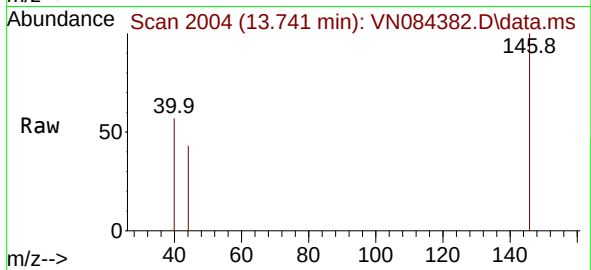




#87
 1,3-Dichlorobenzene
 Concen: 0.174 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.012 min
 Lab File: VN084382.D
 Acq: 10 Oct 2024 12:15

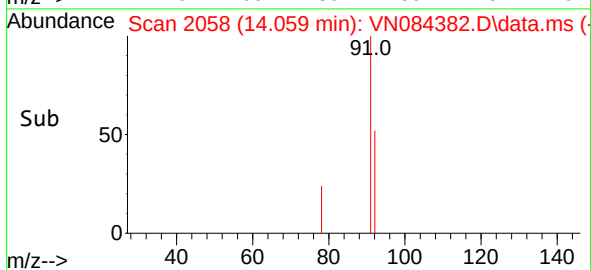
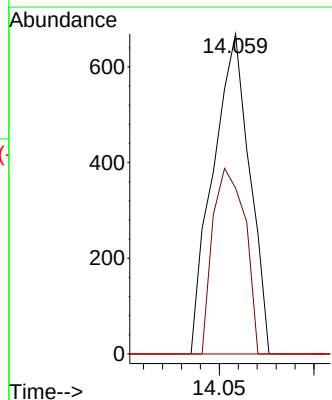
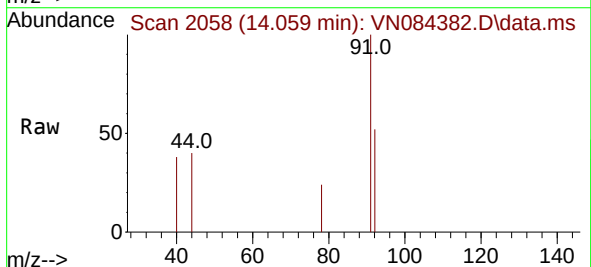
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

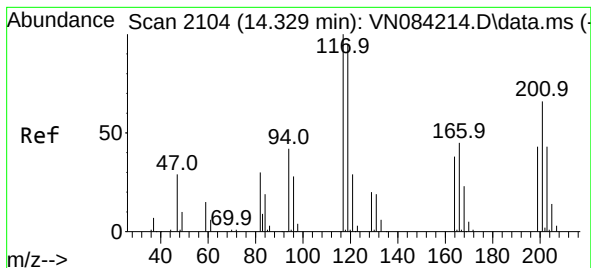
Tgt Ion:146 Resp: 606
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.8 65.3#
 148 32.2 31.9 95.7



#89
 n-Butylbenzene
 Concen: 0.161 ug/l
 RT: 14.059 min Scan# 2058
 Delta R.T. 0.006 min
 Lab File: VN084382.D
 Acq: 10 Oct 2024 12:15

Tgt Ion: 91 Resp: 898
 Ion Ratio Lower Upper
 91 100
 92 51.2 26.6 79.7
 134 0.0 12.3 36.9#





#90

Hexachloroethane

Concen: 0.051 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN084382.D

Acq: 10 Oct 2024 12:15

Instrument :

MSVOA_N

ClientSampleId :

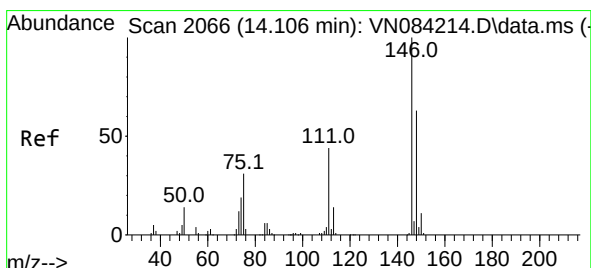
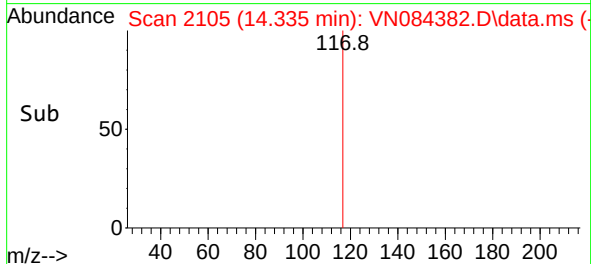
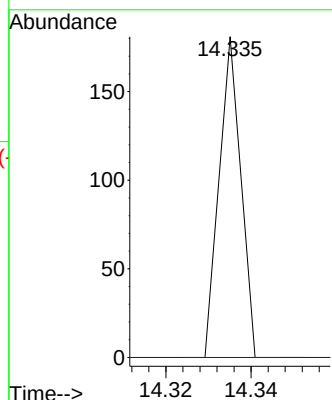
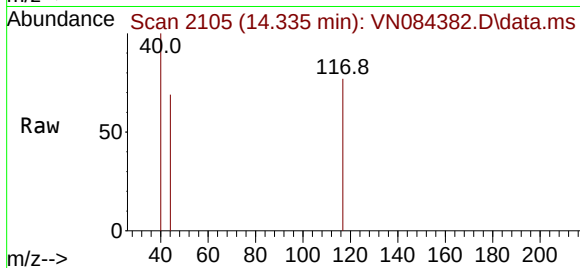
IBLK

Tgt Ion:117 Resp: 64

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.2#



#91

1,2-Dichlorobenzene

Concen: 0.169 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN084382.D

Acq: 10 Oct 2024 12:15

Tgt Ion:146 Resp: 578

Ion Ratio Lower Upper

146 100

111 10.4 22.0 66.0#

148 65.4 32.1 96.3

