

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011723\
 Data File : VN076284.D
 Acq On : 17 Jan 2023 18:43
 Operator : JC\MD
 Sample : 01190-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WS-1D

Quant Time: Jan 18 00:57:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	383044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	606268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	539691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239817	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	208802	48.684	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.360%
35) Dibromofluoromethane	8.177	113	183761	48.454	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.900%
50) Toluene-d8	10.571	98	695870	49.684	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.847	95	235032	51.403	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.800%

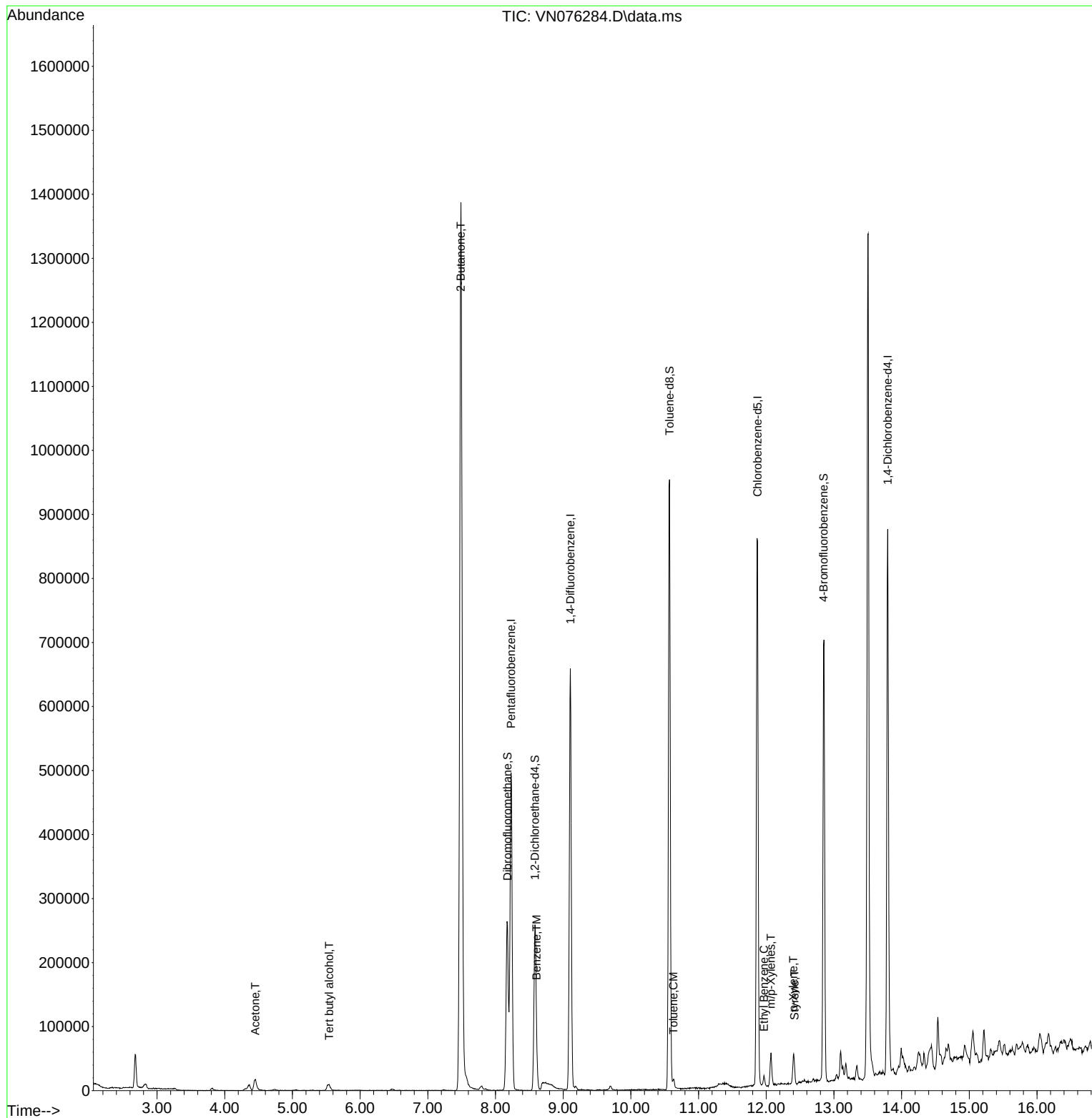
Target Compounds						Qvalue
11) Tert butyl alcohol	5.541	59	17178	29.944	ug/l #	92
16) Acetone	4.453	43	33646	24.406	ug/l	94
25) 2-Butanone	7.488	43	2128658	1013.712	ug/l	96
40) Benzene	8.606	78	17452	1.083	ug/l	95
52) Toluene	10.629	92	5616	0.521	ug/l	90
67) Ethyl Benzene	11.965	91	10962	0.561	ug/l #	85
68) m/p-Xylenes	12.070	106	16600	2.120	ug/l	97
69) o-Xylene	12.400	106	9660	1.256	ug/l	91
70) Styrene	12.417	104	12592	1.026	ug/l	97

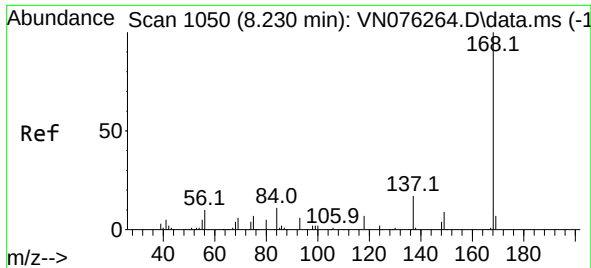
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

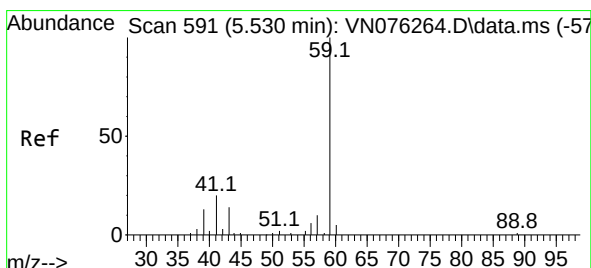
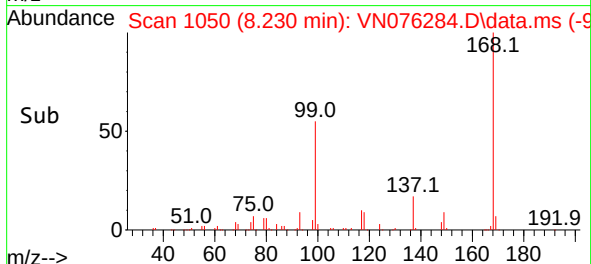
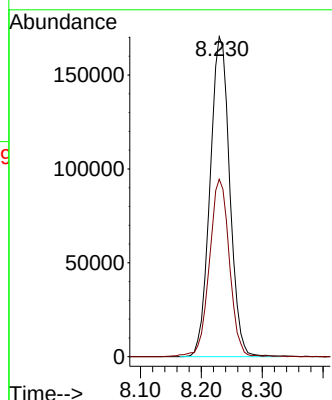
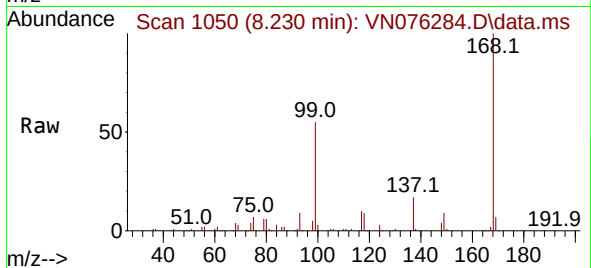




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076284.D
Acq: 17 Jan 2023 18:43

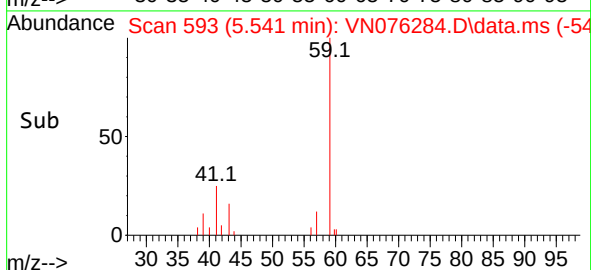
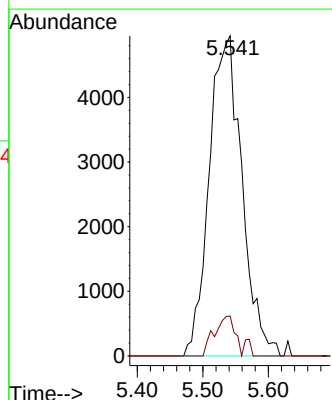
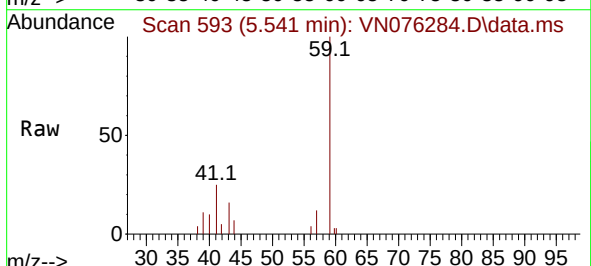
Instrument :
MSVOA_N
ClientSampleId :
WS-1D

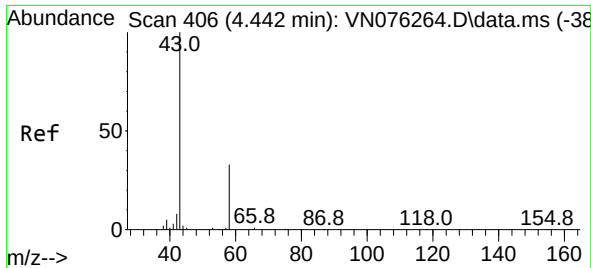
Tgt Ion:168 Resp: 383044
Ion Ratio Lower Upper
168 100
99 55.3 41.6 62.4



#11
Tert butyl alcohol
Concen: 29.944 ug/l
RT: 5.541 min Scan# 593
Delta R.T. 0.011 min
Lab File: VN076284.D
Acq: 17 Jan 2023 18:43

Tgt Ion: 59 Resp: 17178
Ion Ratio Lower Upper
59 100
57 7.8 8.5 12.7#





#16

Acetone

Concen: 24.406 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.011 min

Lab File: VN076284.D

Acq: 17 Jan 2023 18:43

Instrument :

MSVOA_N

ClientSampleId :

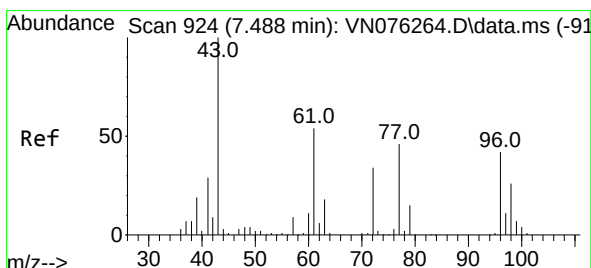
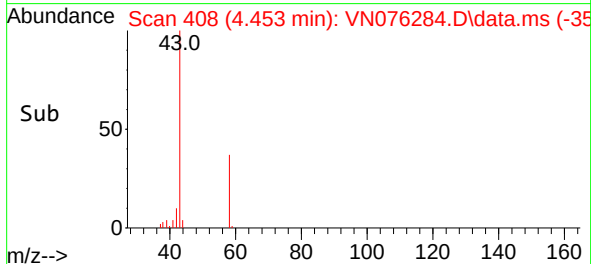
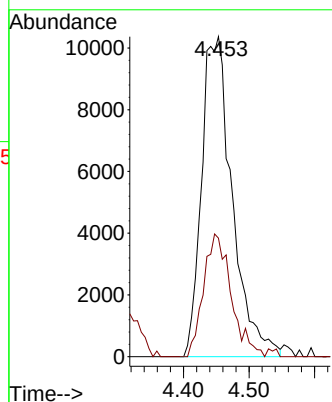
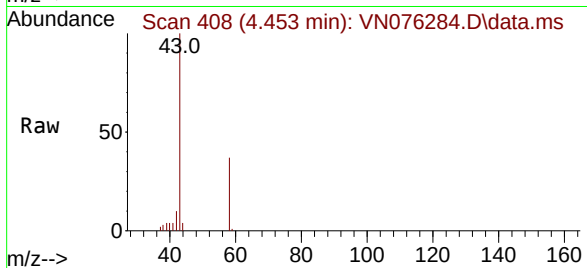
WS-1D

Tgt Ion: 43 Resp: 33646

Ion Ratio Lower Upper

43 100

58 37.0 26.7 40.1



#25

2-Butanone

Concen: 1013.712 ug/l

RT: 7.488 min Scan# 924

Delta R.T. 0.000 min

Lab File: VN076284.D

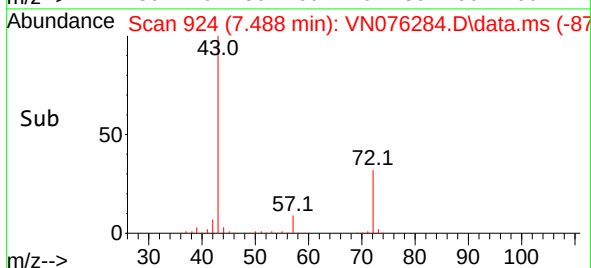
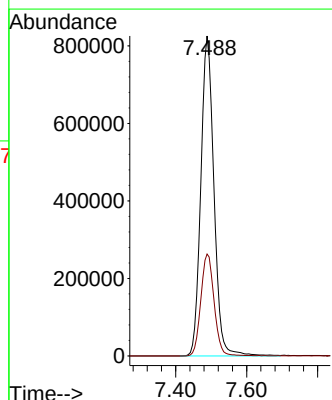
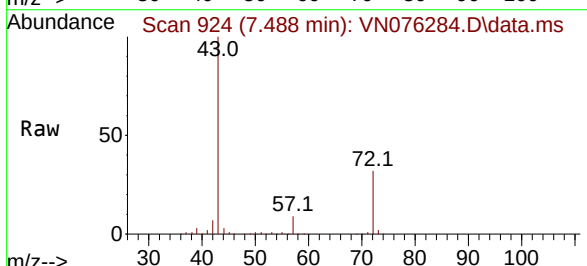
Acq: 17 Jan 2023 18:43

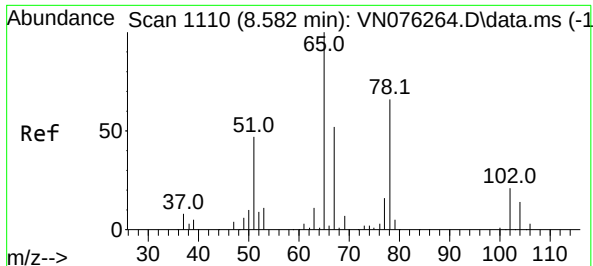
Tgt Ion: 43 Resp: 2128658

Ion Ratio Lower Upper

43 100

72 31.8 27.4 41.2





#33

1,2-Dichloroethane-d4

Concen: 48.684 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076284.D

Acq: 17 Jan 2023 18:43

Instrument :

MSVOA_N

ClientSampleId :

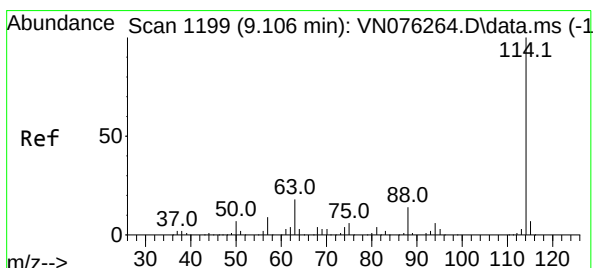
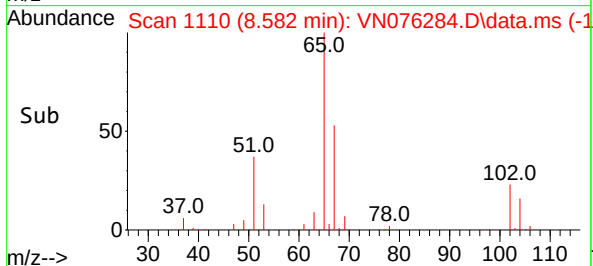
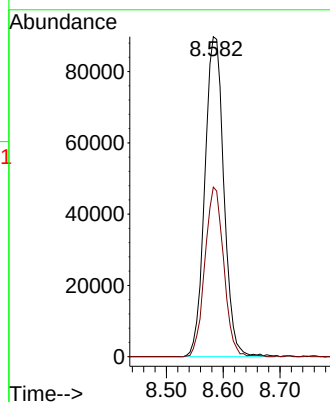
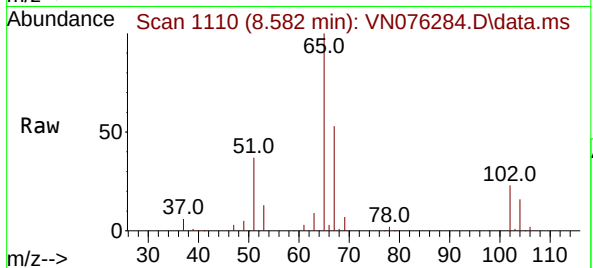
WS-1D

Tgt Ion: 65 Resp: 208802

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076284.D

Acq: 17 Jan 2023 18:43

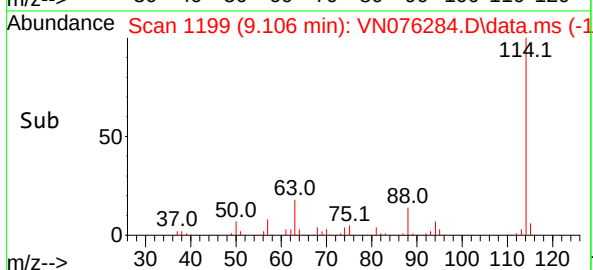
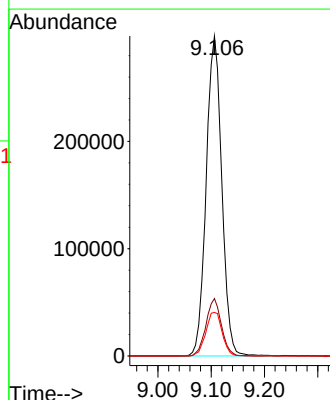
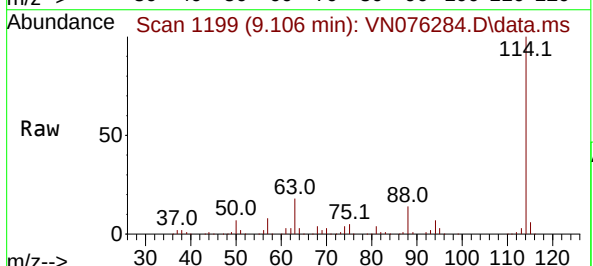
Tgt Ion: 114 Resp: 606268

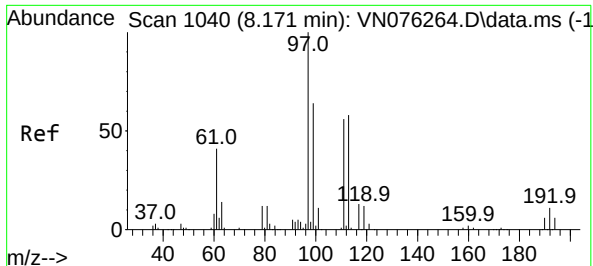
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.8

88 13.6 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.454 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076284.D

Acq: 17 Jan 2023 18:43

Instrument :

MSVOA_N

ClientSampleId :

WS-1D

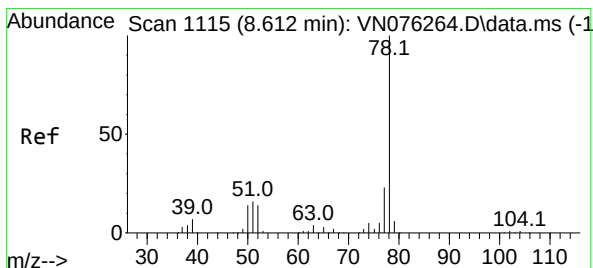
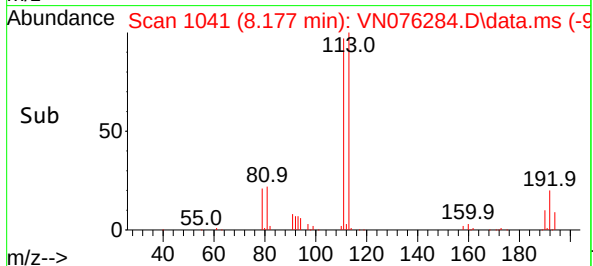
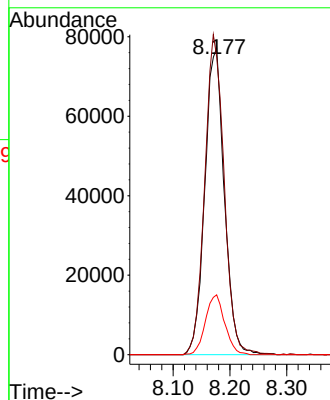
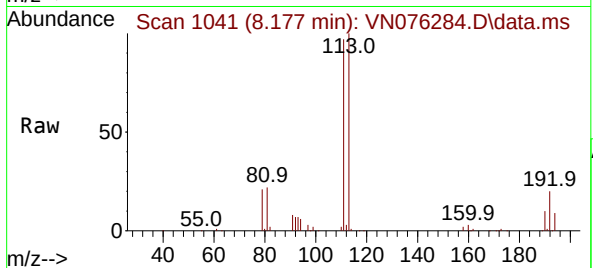
Tgt Ion:113 Resp: 183761

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

192 19.3 15.6 23.4



#40

Benzene

Concen: 1.083 ug/l

RT: 8.606 min Scan# 1114

Delta R.T. -0.006 min

Lab File: VN076284.D

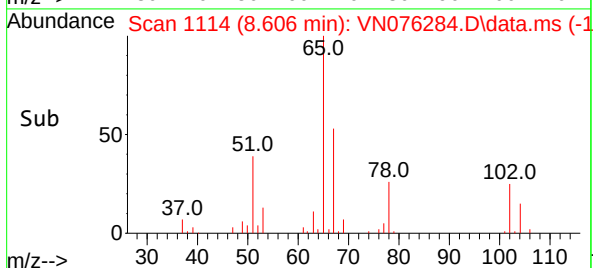
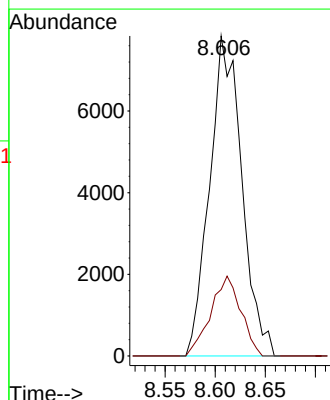
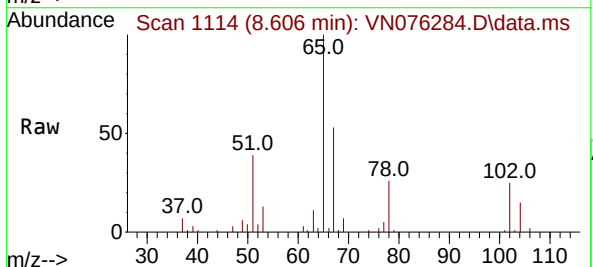
Acq: 17 Jan 2023 18:43

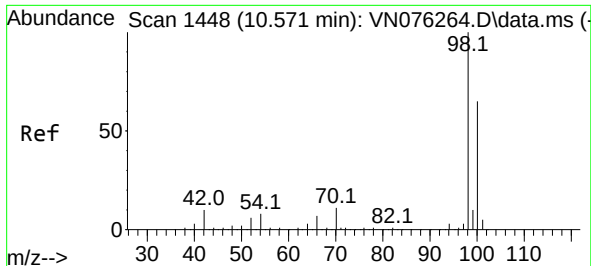
Tgt Ion: 78 Resp: 17452

Ion Ratio Lower Upper

78 100

77 20.8 18.6 28.0

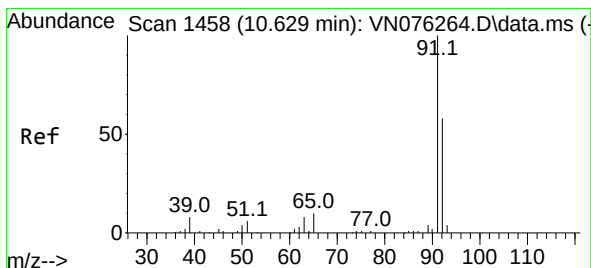
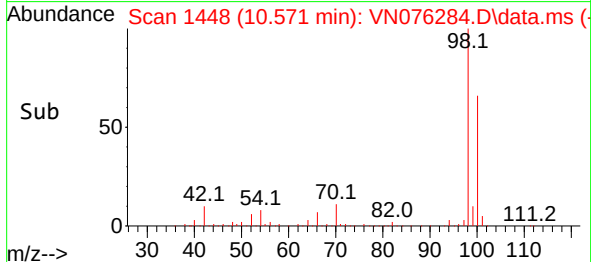
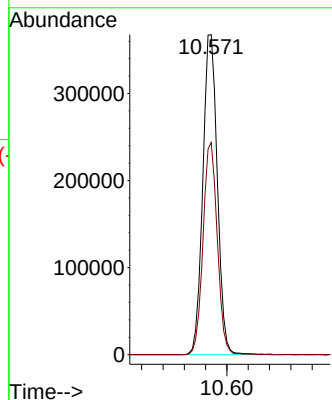
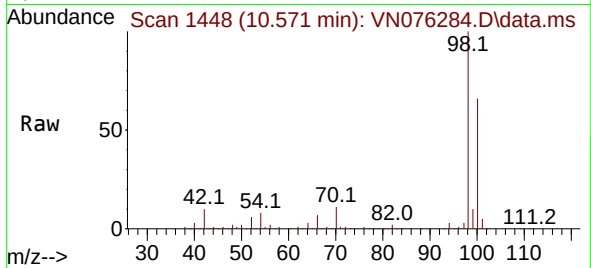




#50
Toluene-d8
Concen: 49.684 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076284.D
Acq: 17 Jan 2023 18:43

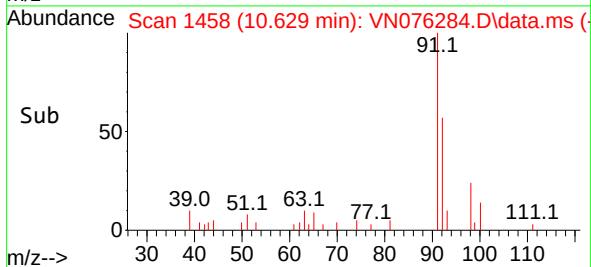
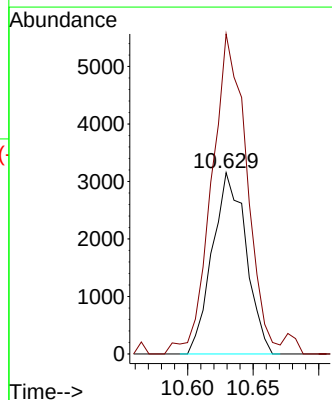
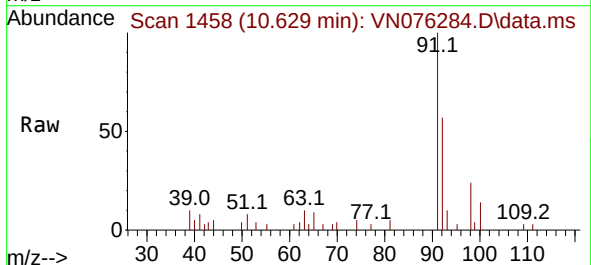
Instrument :
MSVOA_N
ClientSampleId :
WS-1D

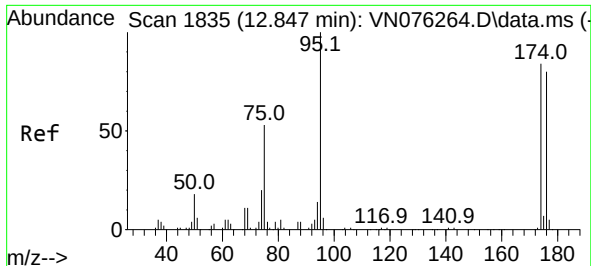
Tgt Ion: 98 Resp: 695870
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#52
Toluene
Concen: 0.521 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VN076284.D
Acq: 17 Jan 2023 18:43

Tgt Ion: 92 Resp: 5616
Ion Ratio Lower Upper
92 100
91 184.6 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 51.403 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.000 min

Lab File: VN076284.D

Acq: 17 Jan 2023 18:43

Instrument :

MSVOA_N

ClientSampleId :

WS-1D

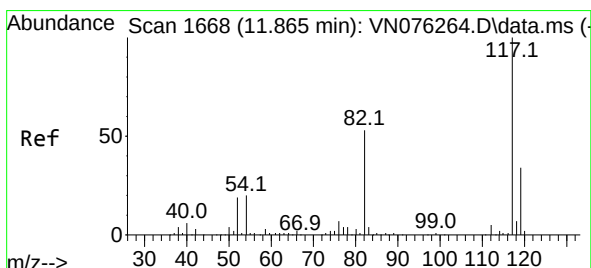
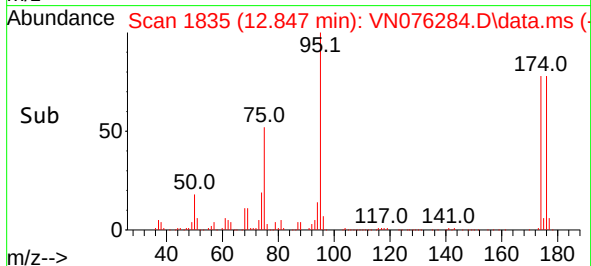
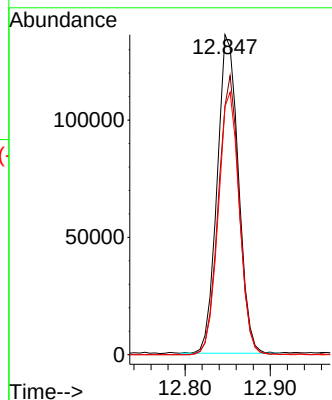
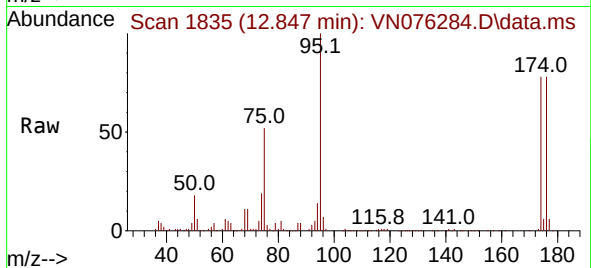
Tgt Ion: 95 Resp: 235032

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.6

176 82.0 0.0 167.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1669

Delta R.T. 0.005 min

Lab File: VN076284.D

Acq: 17 Jan 2023 18:43

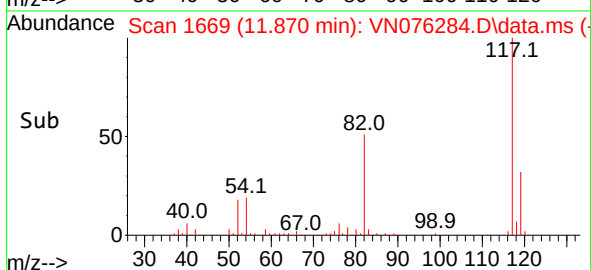
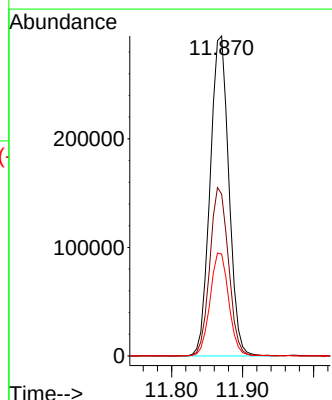
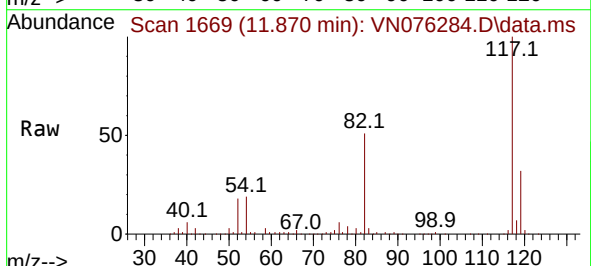
Tgt Ion: 117 Resp: 539691

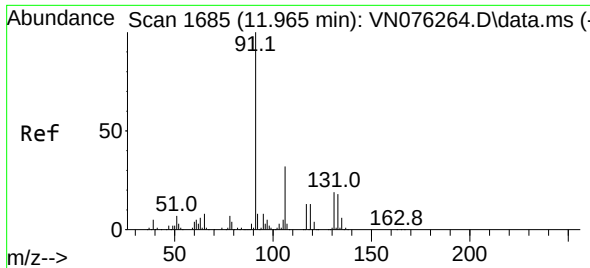
Ion Ratio Lower Upper

117 100

82 50.5 42.2 63.2

119 31.9 26.9 40.3

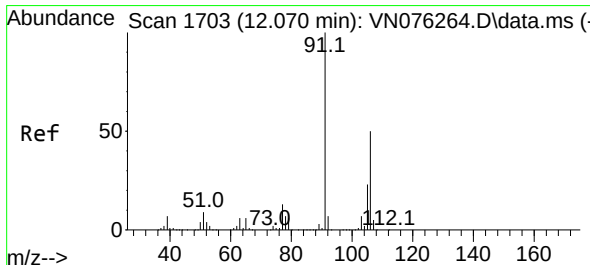
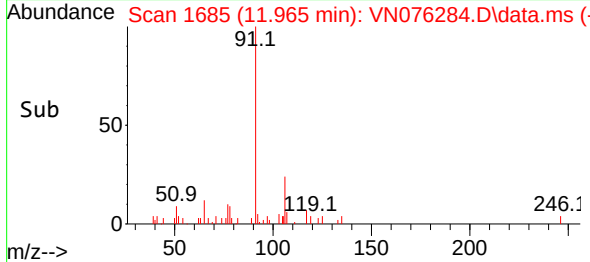
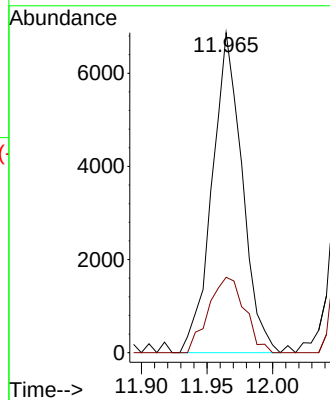
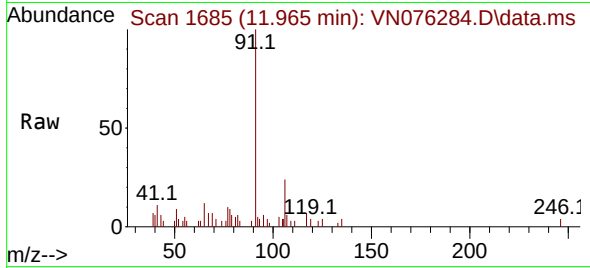




#67
Ethyl Benzene
Concen: 0.561 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN076284.D
Acq: 17 Jan 2023 18:43

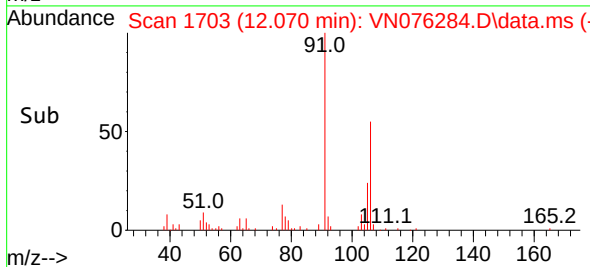
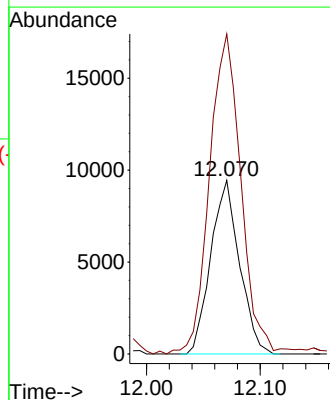
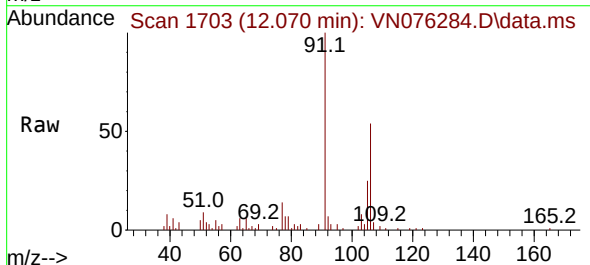
Instrument :
MSVOA_N
ClientSampleId :
WS-1D

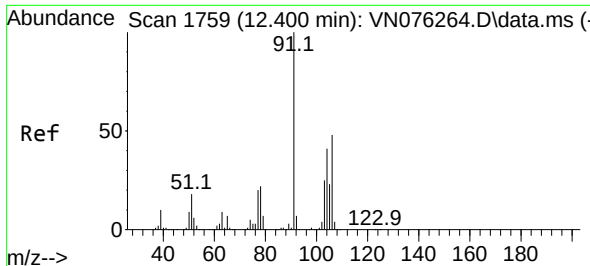
Tgt Ion: 91 Resp: 10962
Ion Ratio Lower Upper
91 100
106 23.5 25.5 38.3#



#68
m/p-Xylenes
Concen: 2.120 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN076284.D
Acq: 17 Jan 2023 18:43

Tgt Ion: 106 Resp: 16600
Ion Ratio Lower Upper
106 100
91 201.5 157.5 236.3

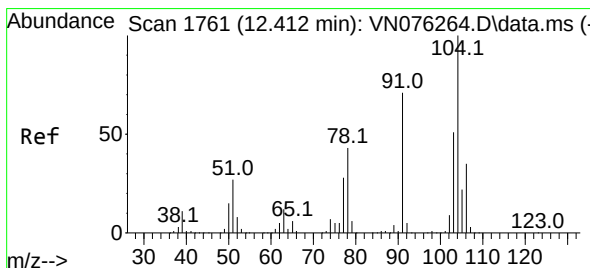
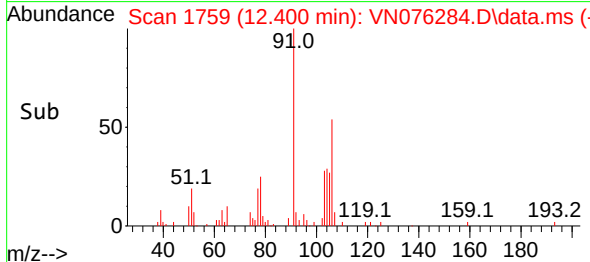
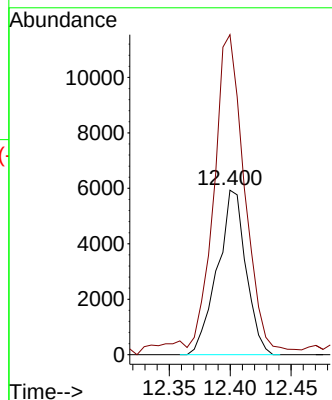
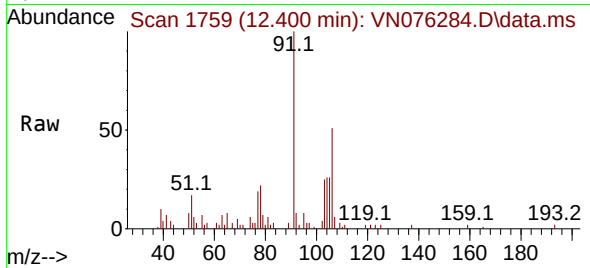




#69
o-Xylene
Concen: 1.256 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076284.D
Acq: 17 Jan 2023 18:43

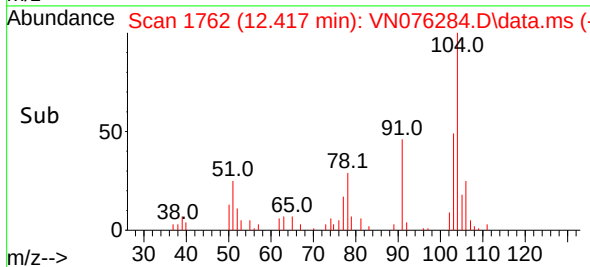
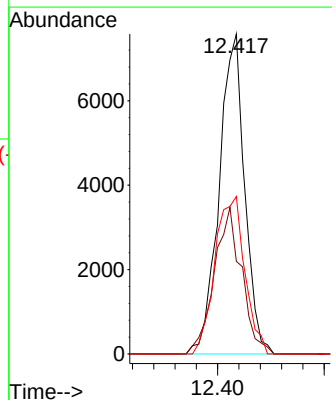
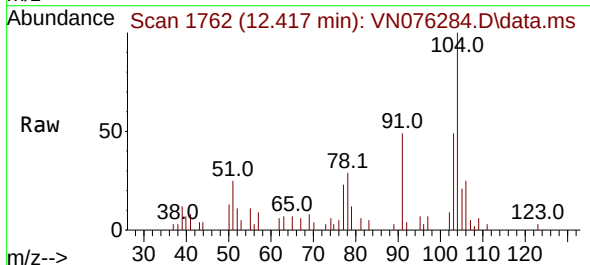
Instrument :
MSVOA_N
ClientSampleId :
WS-1D

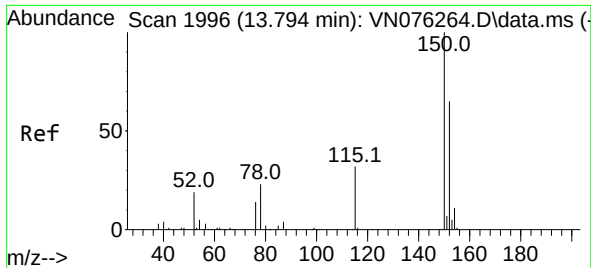
Tgt Ion:106 Resp: 9660
Ion Ratio Lower Upper
106 100
91 220.2 103.2 309.4



#70
Styrene
Concen: 1.026 ug/l
RT: 12.417 min Scan# 1762
Delta R.T. 0.005 min
Lab File: VN076284.D
Acq: 17 Jan 2023 18:43

Tgt Ion:104 Resp: 12592
Ion Ratio Lower Upper
104 100
78 49.1 37.4 56.0
103 57.5 44.2 66.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076284.D
 Acq: 17 Jan 2023 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 WS-1D

Tgt Ion:152 Resp: 239817
 Ion Ratio Lower Upper
 152 100
 115 59.2 29.6 88.9
 150 157.3 0.0 351.4

