

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075718.D
 Acq On : 12 Dec 2022 17:17
 Operator : JC\MD
 Sample : N5978-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-02

Quant Time: Dec 13 01:34:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

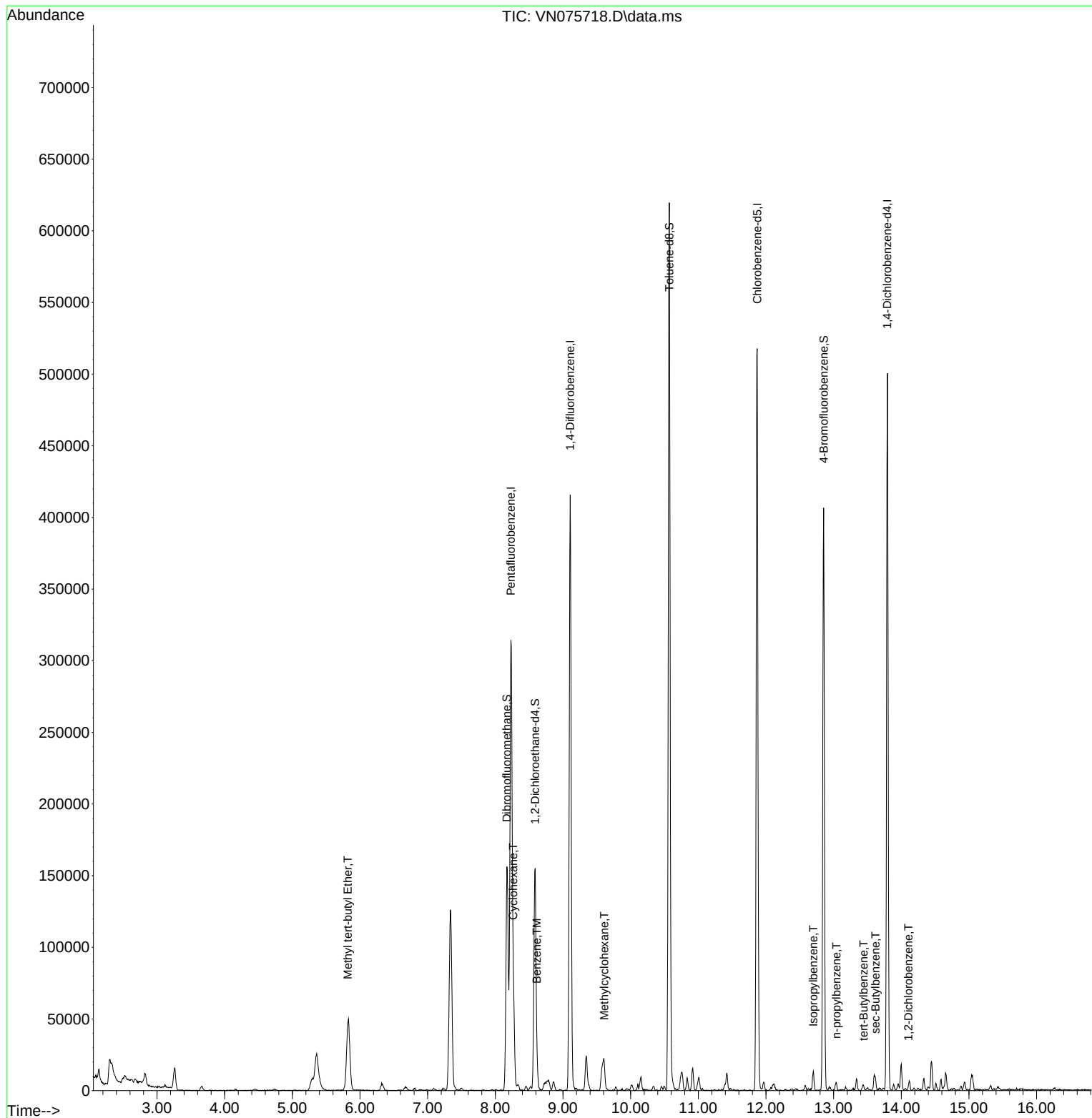
Internal Standards						
1) Pentafluorobenzene	8.230	168	240383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	374912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	325363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125059	49.033	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.060%
35) Dibromofluoromethane	8.171	113	113010	49.406	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.820%
50) Toluene-d8	10.571	98	433375	50.450	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.853	95	136804	46.579	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.160%
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.818	73	10140	1.464	ug/l #	1
31) Cyclohexane	8.265	56	40089	10.616	ug/l	100
39) Methylcyclohexane	9.612	83	9555	2.481	ug/l	95
40) Benzene	8.612	78	12408	1.331	ug/l	96
73) Isopropylbenzene	12.700	105	9957	0.989	ug/l	95
78) n-propylbenzene	13.041	91	4608	0.412	ug/l	99
83) tert-Butylbenzene	13.441	119	2095	0.274	ug/l	84
85) sec-Butylbenzene	13.618	105	5535	0.527	ug/l #	45
91) 1,2-Dichlorobenzene	14.106	146	1510	0.320	ug/l	96

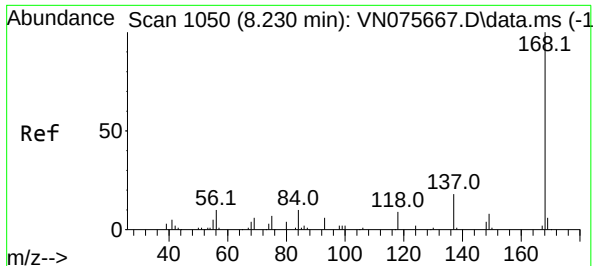
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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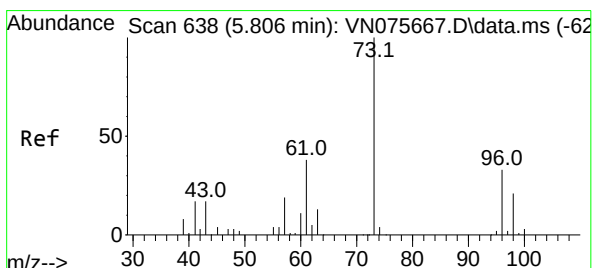
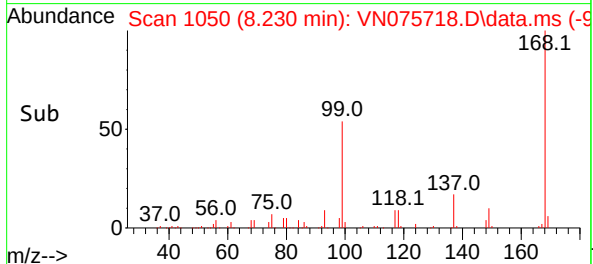
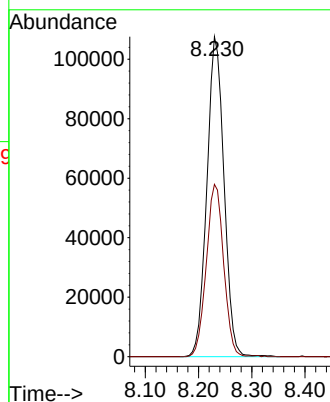
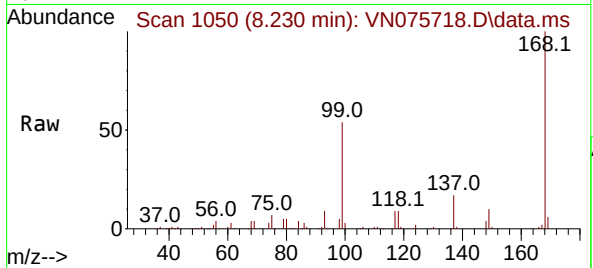




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

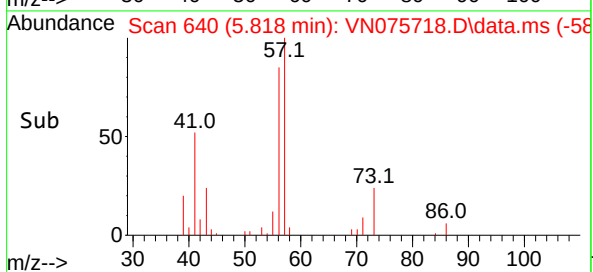
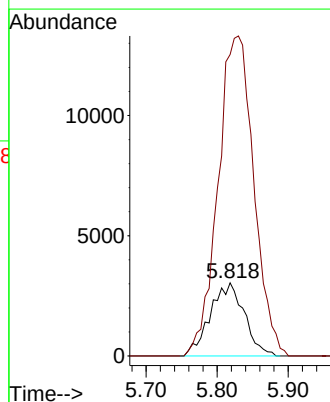
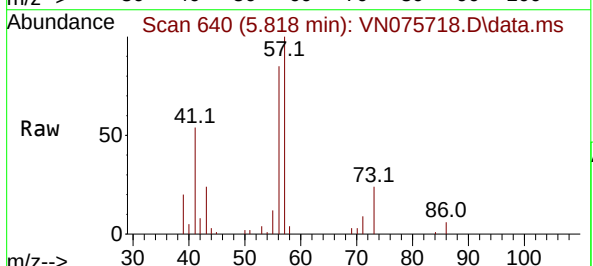
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02

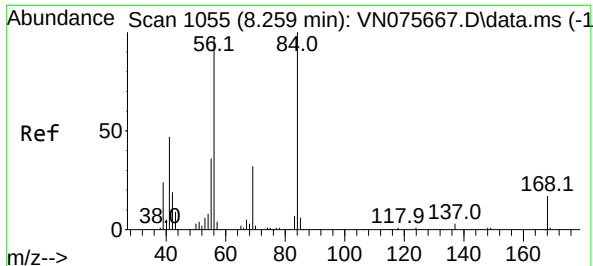
Tgt Ion:168 Resp: 240383
Ion Ratio Lower Upper
168 100
99 53.9 41.2 61.8



#19
Methyl tert-butyl Ether
Concen: 1.464 ug/l
RT: 5.818 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

Tgt Ion: 73 Resp: 10140
Ion Ratio Lower Upper
73 100
57 412.3 15.1 22.7#

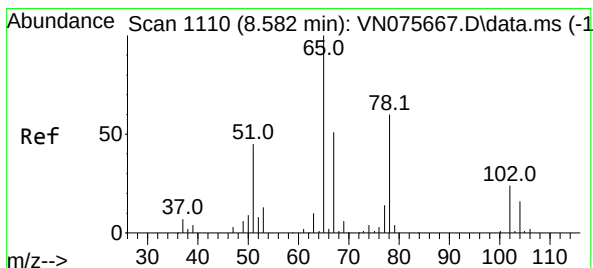
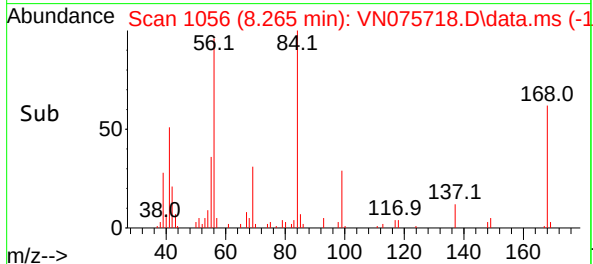
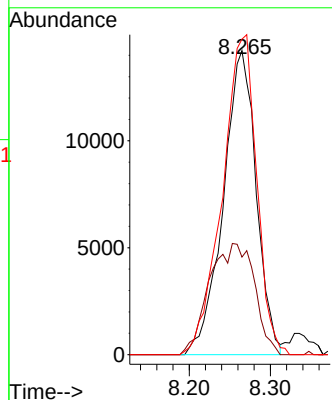
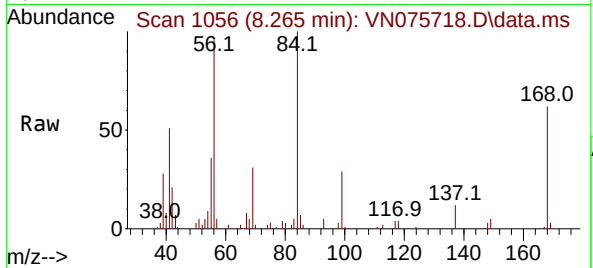




#31
Cyclohexane
Concen: 10.616 ug/l
RT: 8.265 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

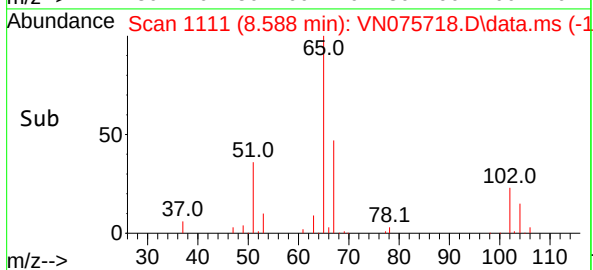
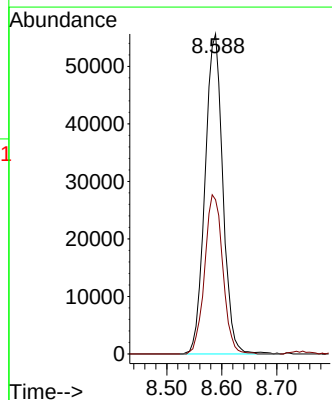
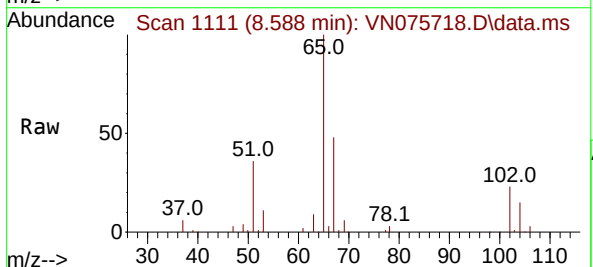
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02

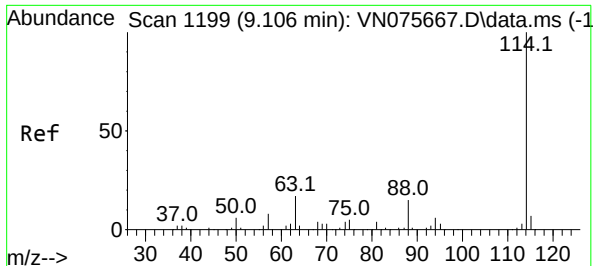
Tgt Ion: 56 Resp: 40089
Ion Ratio Lower Upper
56 100
69 32.1 26.2 39.2
84 103.8 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 49.033 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

Tgt Ion: 65 Resp: 125059
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075718.D

Acq: 12 Dec 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02

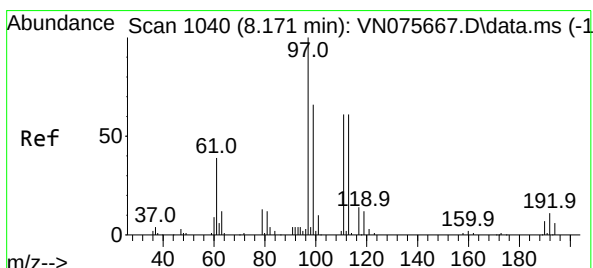
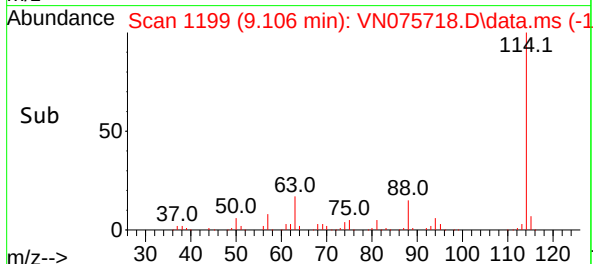
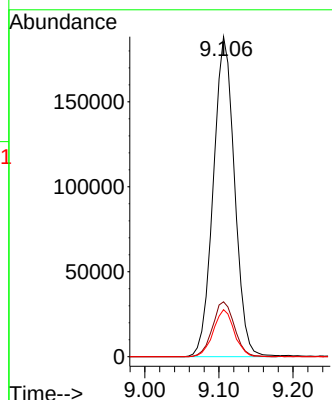
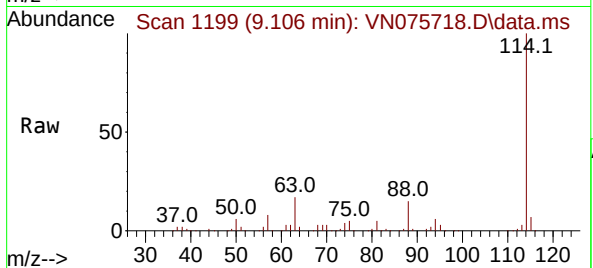
Tgt Ion:114 Resp: 374912

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

88 14.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 49.406 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075718.D

Acq: 12 Dec 2022 17:17

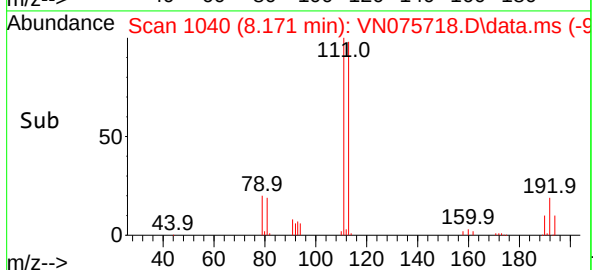
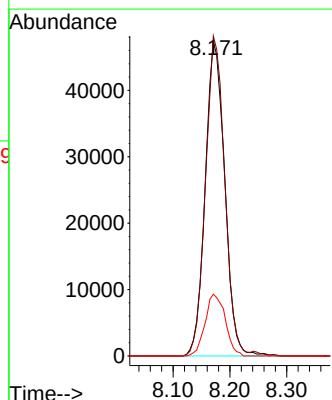
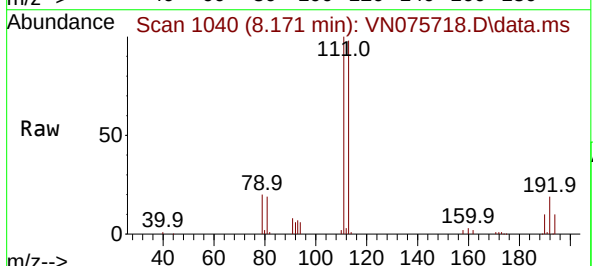
Tgt Ion:113 Resp: 113010

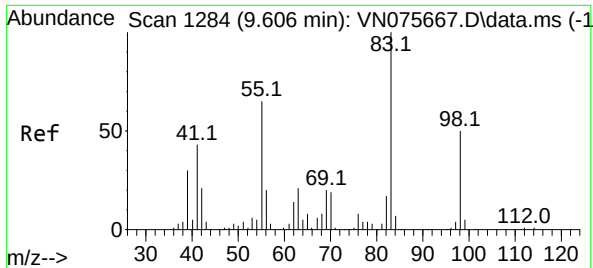
Ion Ratio Lower Upper

113 100

111 99.7 81.0 121.6

192 20.2 16.2 24.2





#39

Methylcyclohexane

Concen: 2.481 ug/l

RT: 9.612 min Scan# 11285

Delta R.T. 0.006 min

Lab File: VN075718.D

Acq: 12 Dec 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02

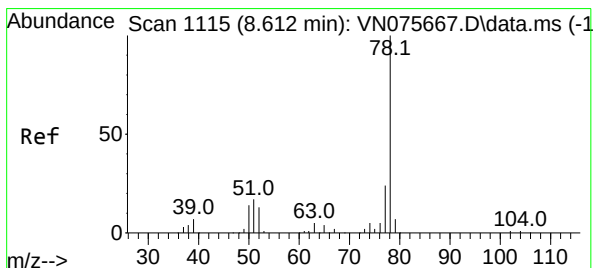
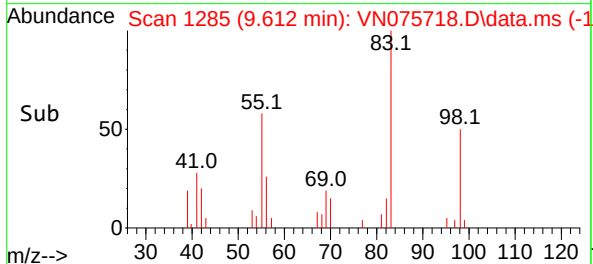
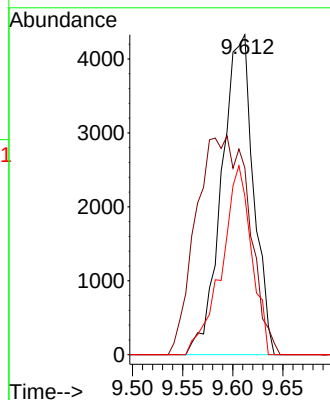
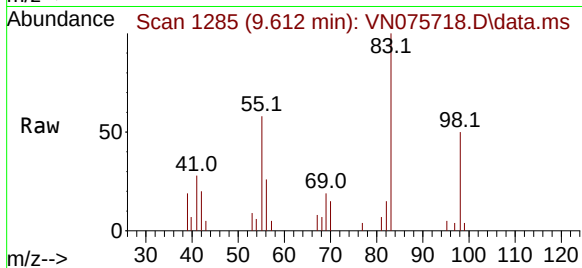
Tgt Ion: 83 Resp: 9555

Ion Ratio Lower Upper

83 100

55 58.4 51.6 77.4

98 49.6 39.8 59.8



#40

Benzene

Concen: 1.331 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN075718.D

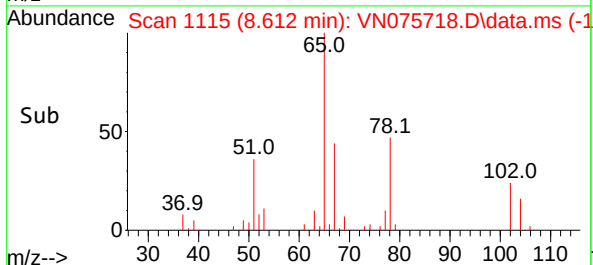
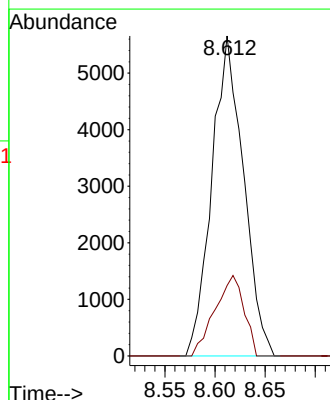
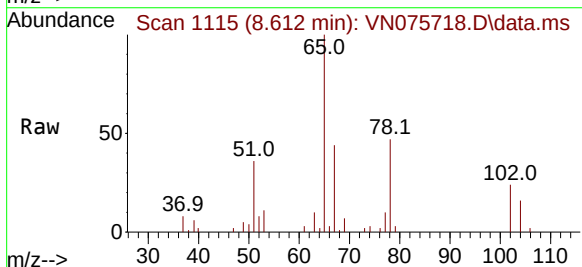
Acq: 12 Dec 2022 17:17

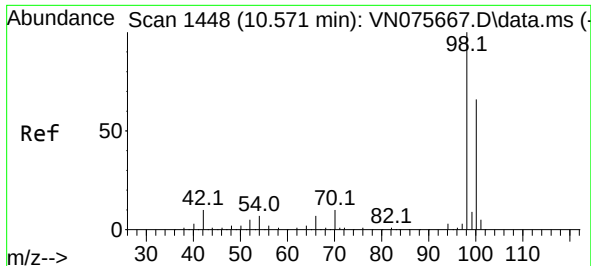
Tgt Ion: 78 Resp: 12408

Ion Ratio Lower Upper

78 100

77 22.0 19.1 28.7

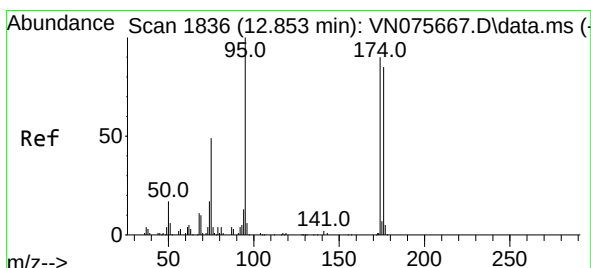
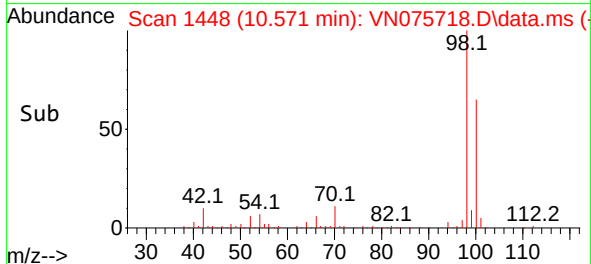
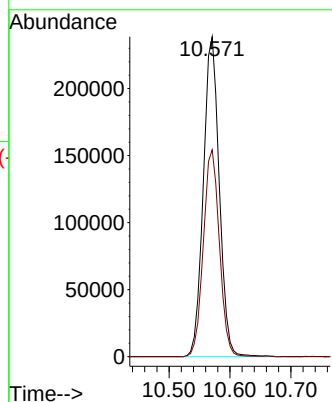
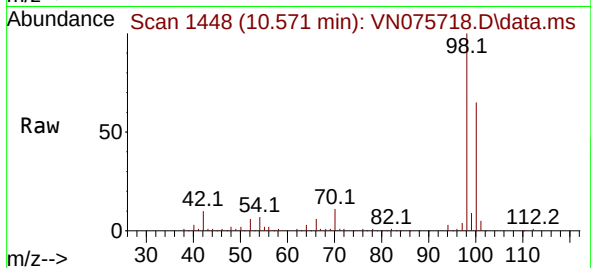




#50
Toluene-d8
Concen: 50.450 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

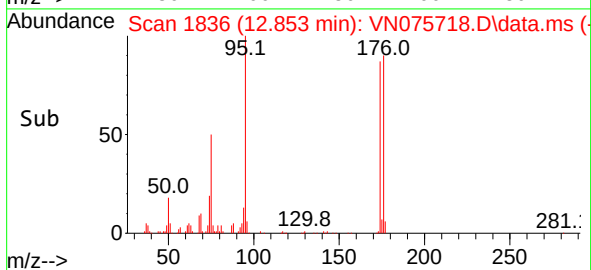
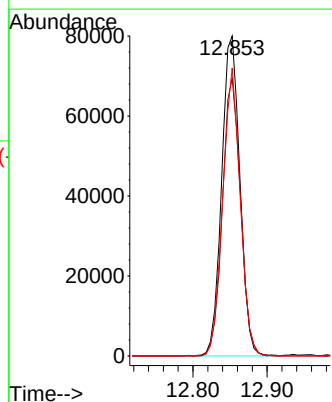
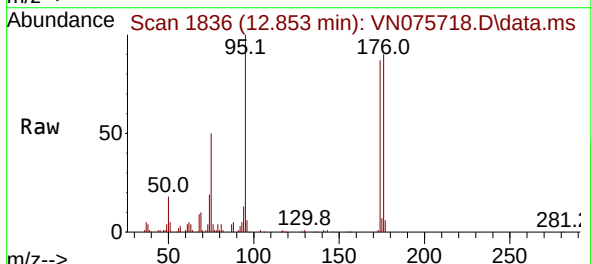
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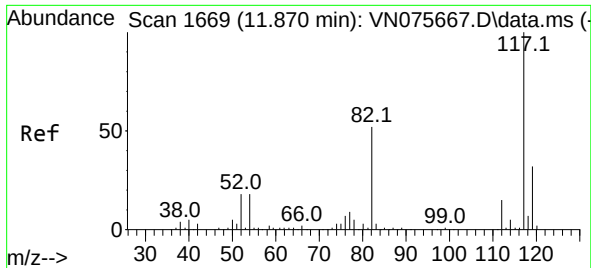
Tgt Ion: 98 Resp: 433375
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 46.579 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

Tgt Ion: 95 Resp: 136804
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.6
176 86.2 0.0 170.8

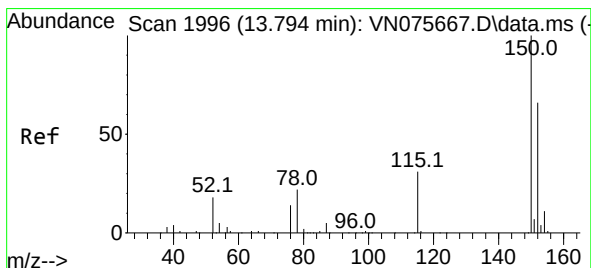
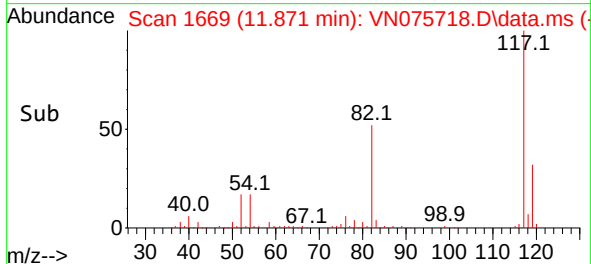
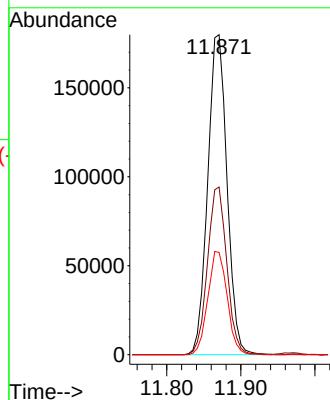
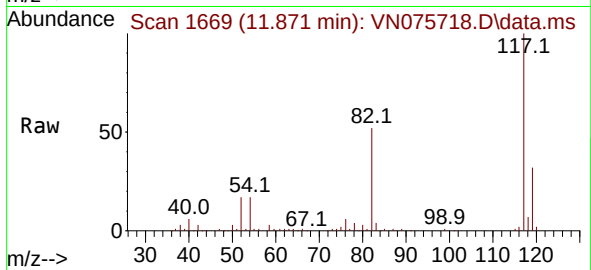




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

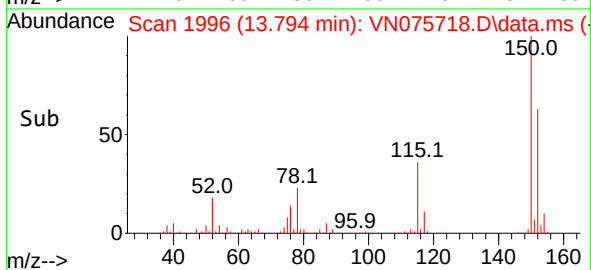
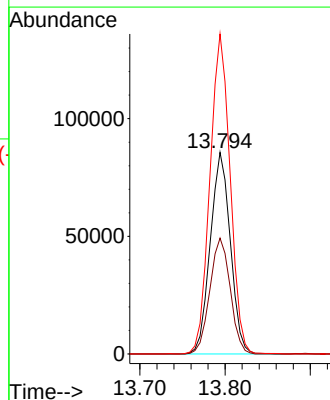
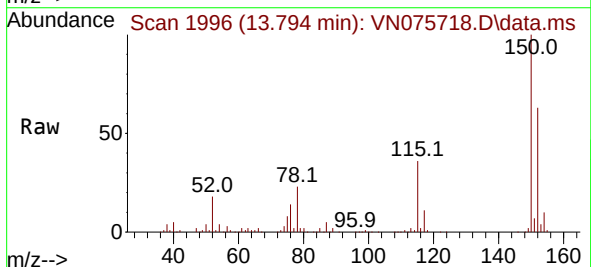
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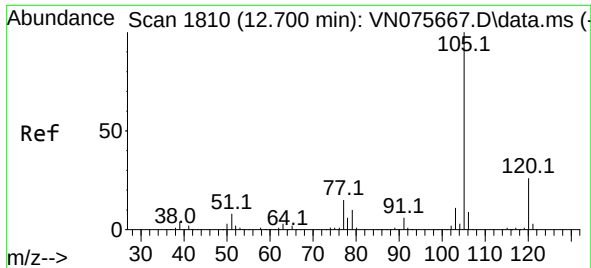
Tgt Ion:117 Resp: 325363
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

Tgt Ion:152 Resp: 140254
Ion Ratio Lower Upper
152 100
115 58.3 28.4 85.2
150 159.4 0.0 347.6

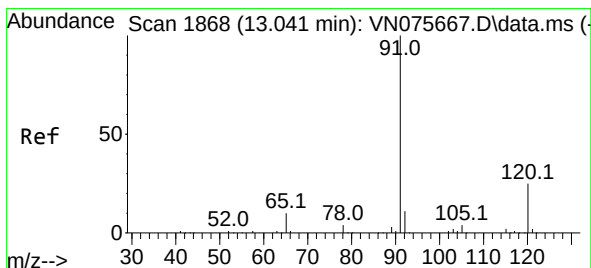
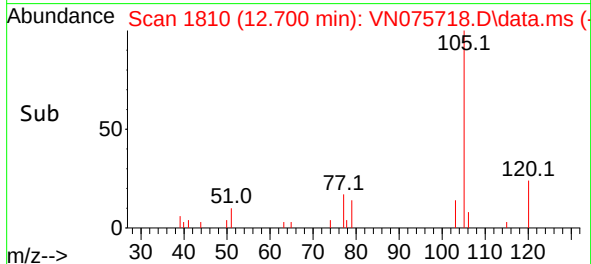
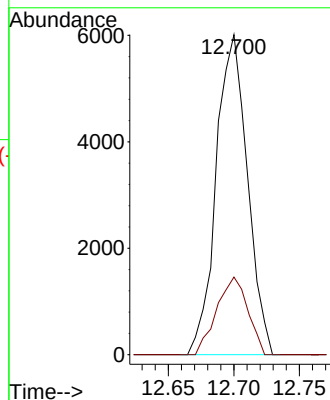
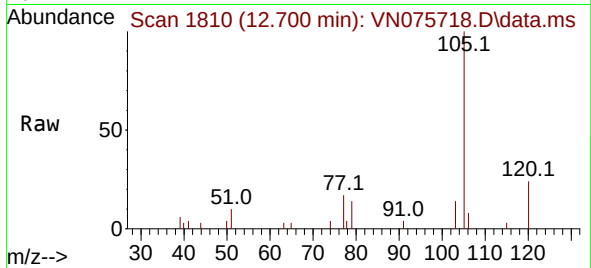




#73
Isopropylbenzene
Concen: 0.989 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

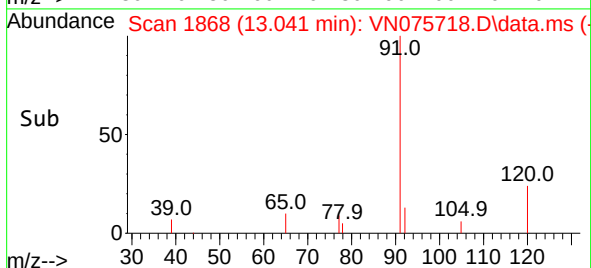
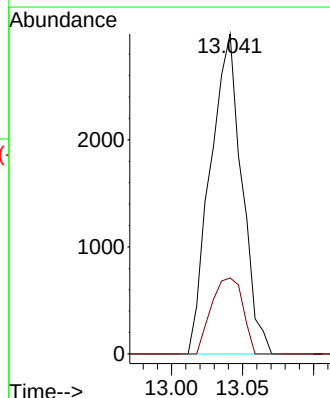
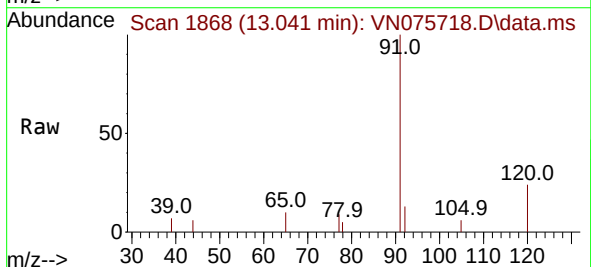
Instrument :
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TOLL-MW-02

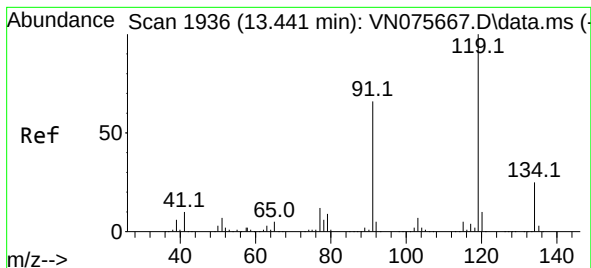
Tgt Ion:105 Resp: 9957
Ion Ratio Lower Upper
105 100
120 24.2 13.4 40.2



#78
n-propylbenzene
Concen: 0.412 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075718.D
Acq: 12 Dec 2022 17:17

Tgt Ion: 91 Resp: 4608
Ion Ratio Lower Upper
91 100
120 23.6 12.1 36.3





#83

tert-Butylbenzene

Concen: 0.274 ug/l

RT: 13.441 min Scan# 1936

Delta R.T. 0.000 min

Lab File: VN075718.D

Acq: 12 Dec 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02

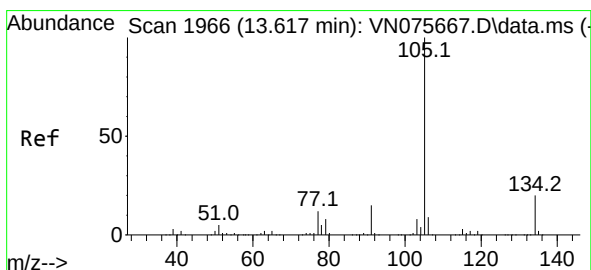
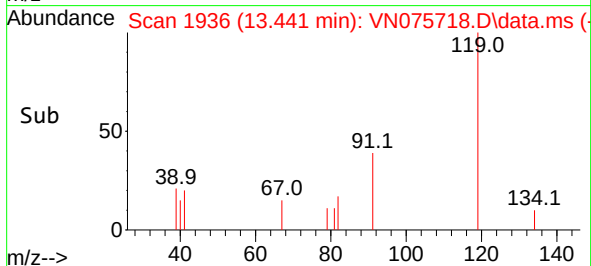
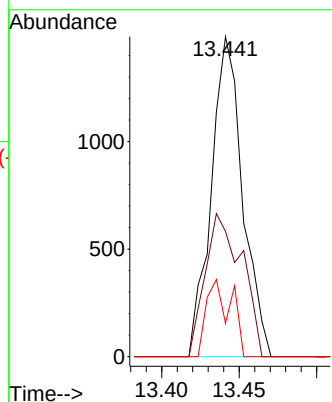
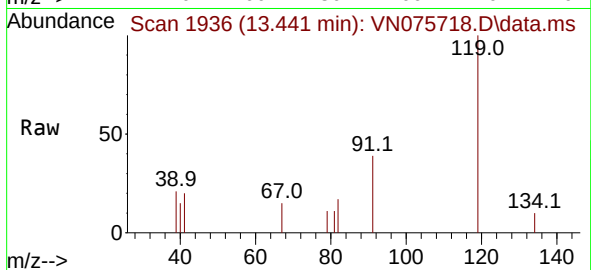
Tgt Ion:119 Resp: 2095

Ion Ratio Lower Upper

119 100

91 52.1 31.9 95.9

134 18.9 13.9 41.7



#85

sec-Butylbenzene

Concen: 0.527 ug/l

RT: 13.618 min Scan# 1966

Delta R.T. 0.000 min

Lab File: VN075718.D

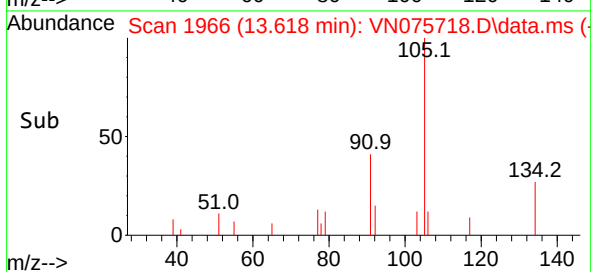
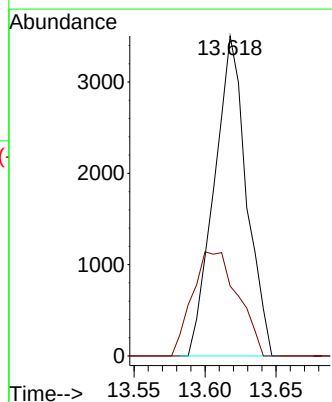
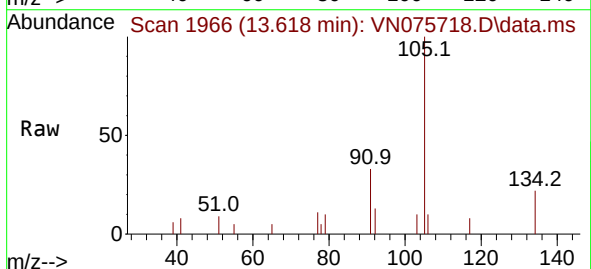
Acq: 12 Dec 2022 17:17

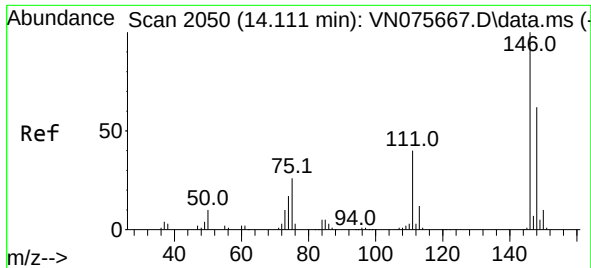
Tgt Ion:105 Resp: 5535

Ion Ratio Lower Upper

105 100

134 45.8 10.2 30.6#





#91

1,2-Dichlorobenzene

Concen: 0.320 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.006 min

Lab File: VN075718.D

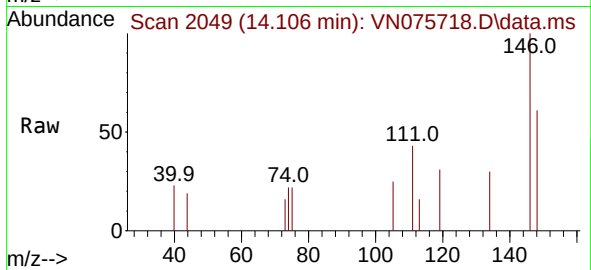
Acq: 12 Dec 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02



Tgt Ion:146 Resp: 1510

Ion Ratio Lower Upper

146 100

111 35.0 20.1 60.3

148 65.1 31.9 95.5

