

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011223\
 Data File : VN076230.D
 Acq On : 12 Jan 2023 15:03
 Operator : JC\MD
 Sample : 01131-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230111062-02-VOA

Quant Time: Jan 13 01:59:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

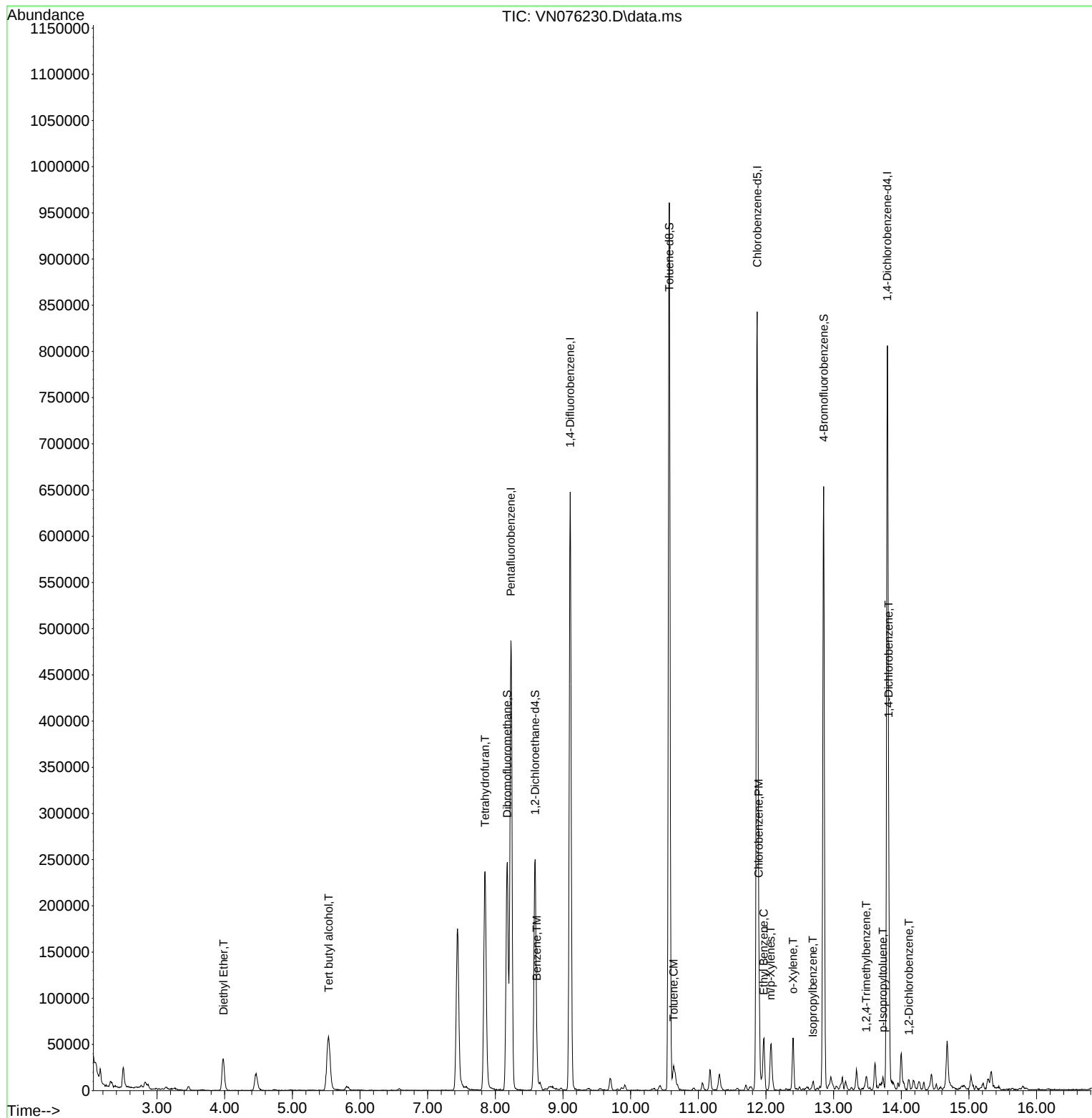
Internal Standards						
1) Pentafluorobenzene	8.230	168	381887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	588014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	510872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	198930	47.882	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.760%
35) Dibromofluoromethane	8.177	113	176170	48.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.760%
50) Toluene-d8	10.571	98	675219	49.593	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.853	95	214409	47.546	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.100%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.983	74	22073	9.902	ug/l	91
11) Tert butyl alcohol	5.536	59	105838	180.037	ug/l	99
29) Tetrahydrofuran	7.847	42	176757	140.656	ug/l	99
40) Benzene	8.612	78	17777	1.191	ug/l	99
52) Toluene	10.635	92	8653	0.890	ug/l	98
65) Chlorobenzene	11.894	112	61413	5.857	ug/l	94
67) Ethyl Benzene	11.965	91	37637	2.127	ug/l	97
68) m/p-Xylenes	12.071	106	17543	2.505	ug/l	98
69) o-Xylene	12.400	106	15868	2.289	ug/l	100
73) Isopropylbenzene	12.694	105	6409	0.410	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	8987	0.692	ug/l	96
86) p-Isopropyltoluene	13.729	119	5516	0.416	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	59295	7.943	ug/l	95
91) 1,2-Dichlorobenzene	14.112	146	4644	0.645	ug/l	97

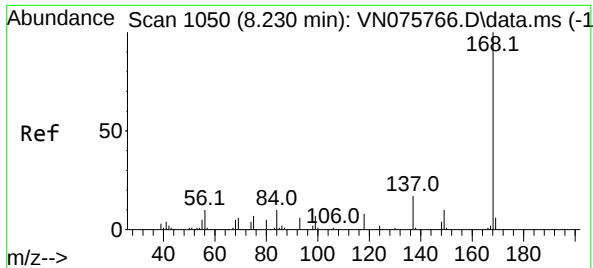
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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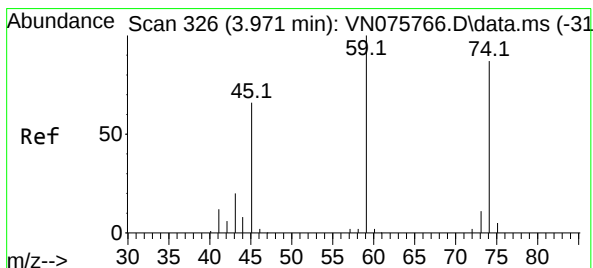
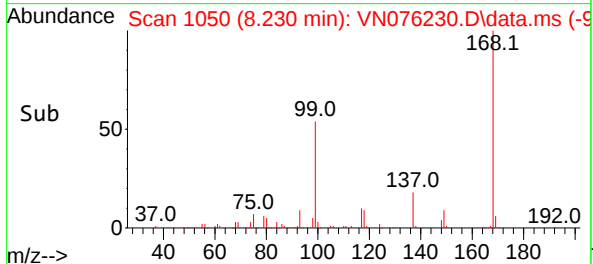
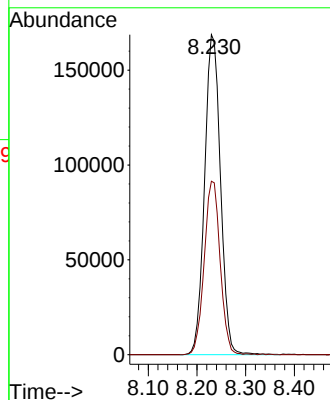
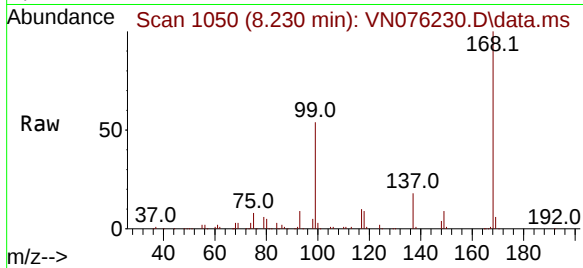




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.230 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: VN076230.D
 Acq: 12 Jan 2023 15:03

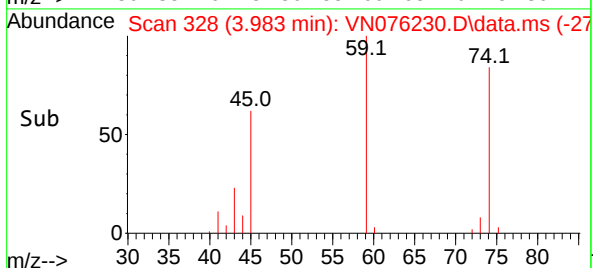
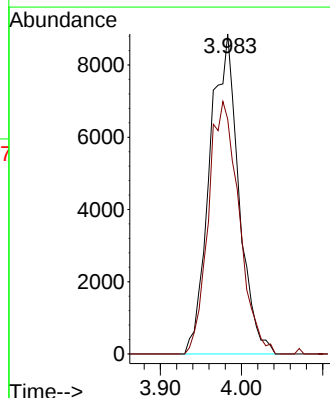
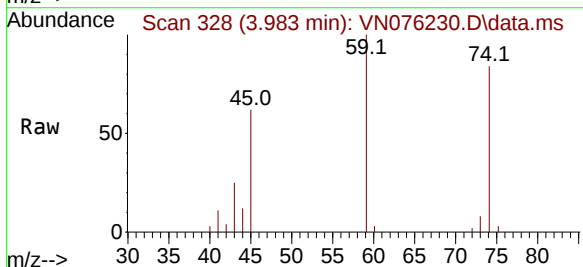
Instrument :
 MSVOA_N
 ClientSampleId :
 230111062-02-VOA

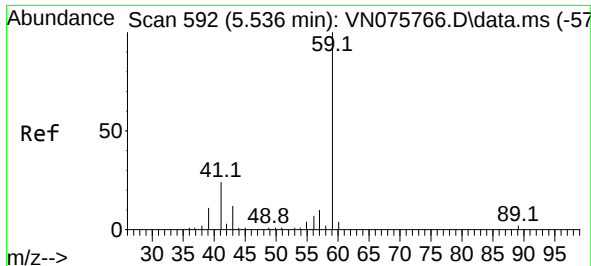
Tgt Ion:168 Resp: 381887
 Ion Ratio Lower Upper
 168 100
 99 54.2 44.2 66.4



#8
 Diethyl Ether
 Concen: 9.902 ug/l
 RT: 3.983 min Scan# 328
 Delta R.T. 0.012 min
 Lab File: VN076230.D
 Acq: 12 Jan 2023 15:03

Tgt Ion: 74 Resp: 22073
 Ion Ratio Lower Upper
 74 100
 45 83.3 37.8 113.4

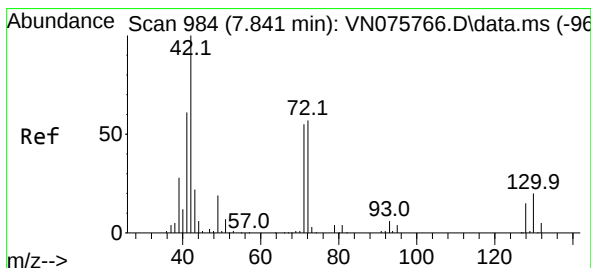
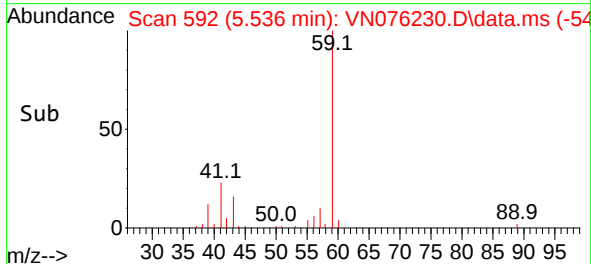
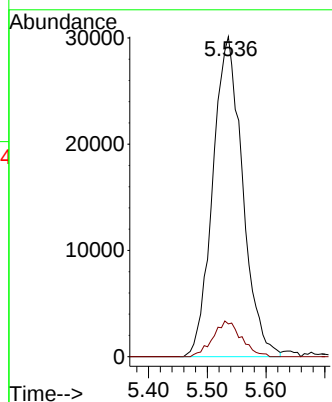
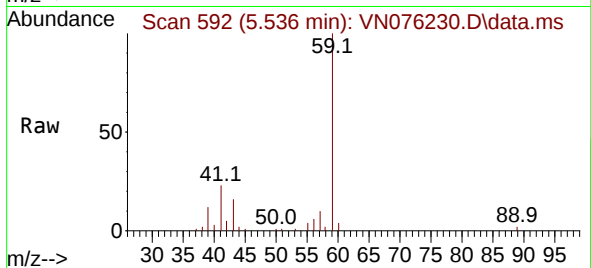




#11
Tert butyl alcohol
Concen: 180.037 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

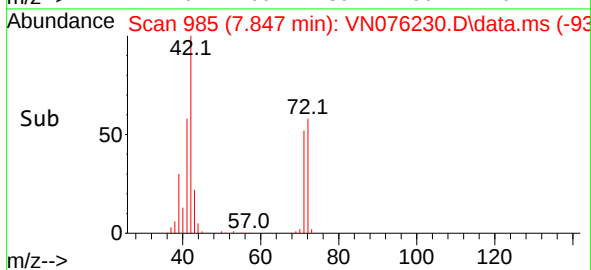
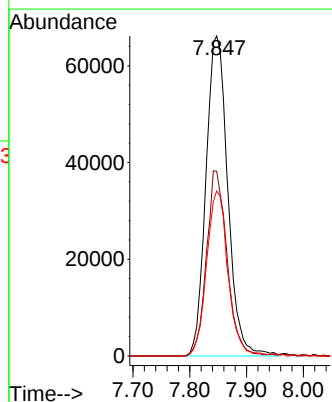
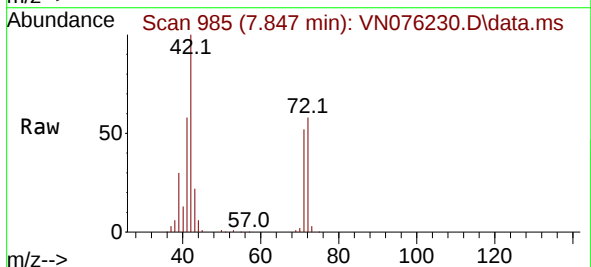
Instrument :
MSVOA_N
ClientSampleId :
230111062-02-VOA

Tgt Ion: 59 Resp: 105838
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4



#29
Tetrahydrofuran
Concen: 140.656 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.006 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

Tgt Ion: 42 Resp: 176757
Ion Ratio Lower Upper
42 100
72 54.5 44.5 66.7
71 50.5 41.0 61.6





#33

1,2-Dichloroethane-d4

Concen: 47.882 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076230.D

Acq: 12 Jan 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :

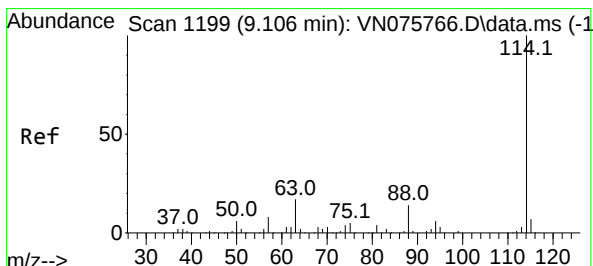
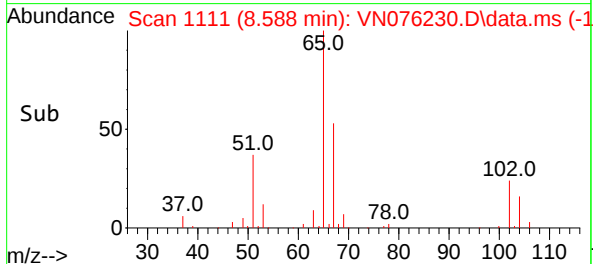
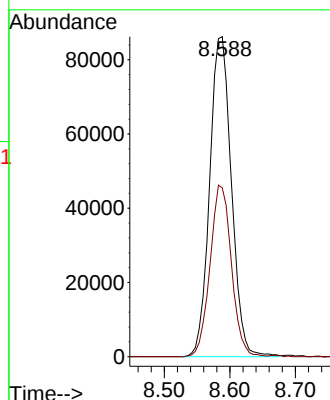
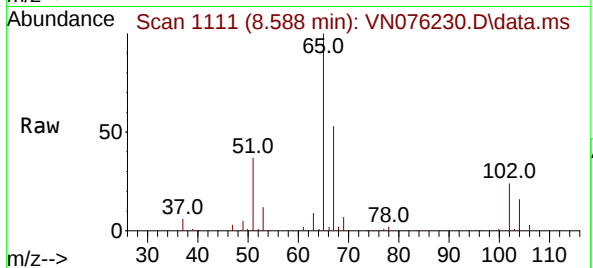
230111062-02-VOA

Tgt Ion: 65 Resp: 198930

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076230.D

Acq: 12 Jan 2023 15:03

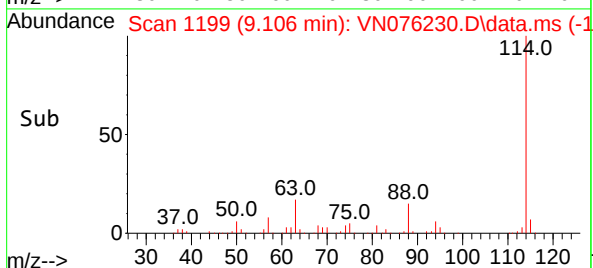
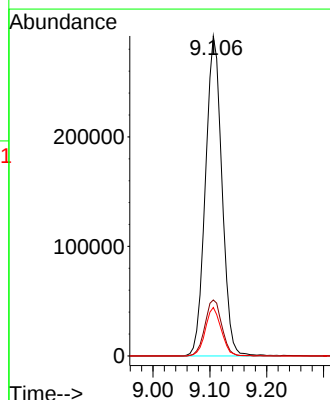
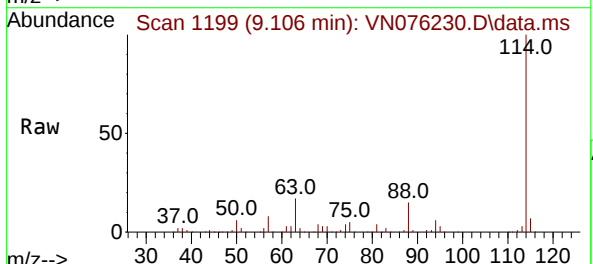
Tgt Ion: 114 Resp: 588014

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

88 15.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.379 ug/l

RT: 8.177 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VN076230.D

Acq: 12 Jan 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :

230111062-02-VOA

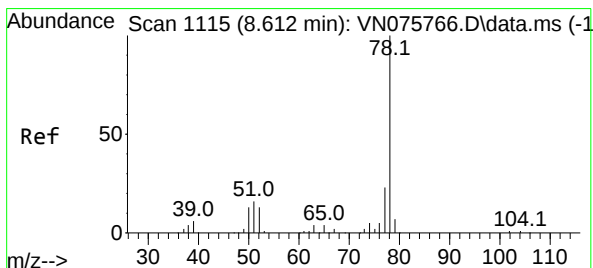
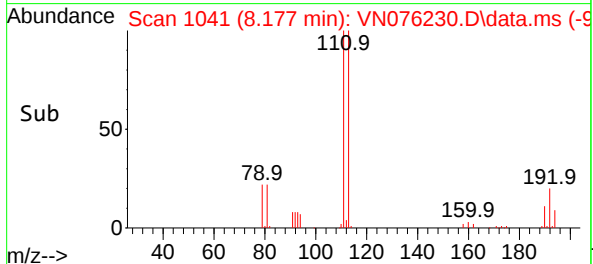
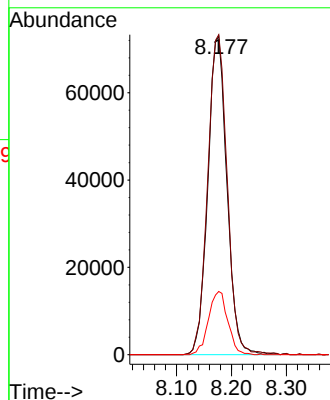
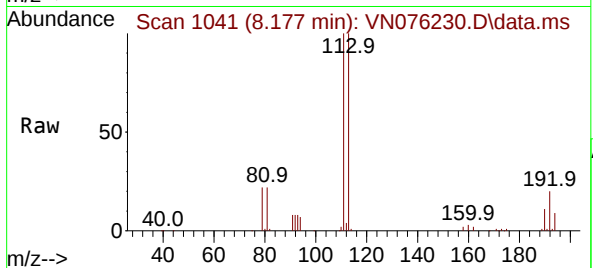
Tgt Ion:113 Resp: 176170

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

192 20.0 16.1 24.1



#40

Benzene

Concen: 1.191 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN076230.D

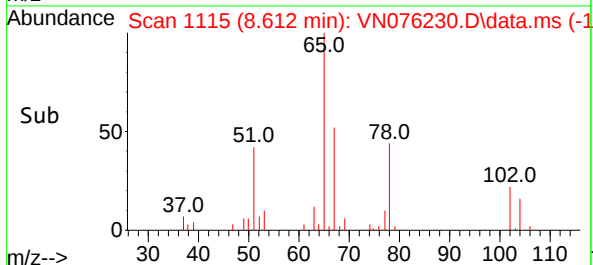
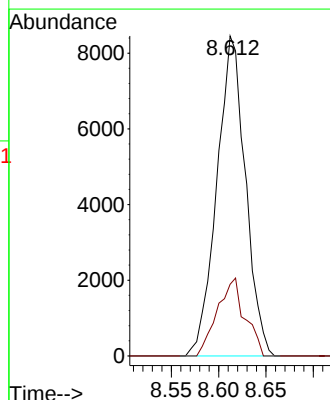
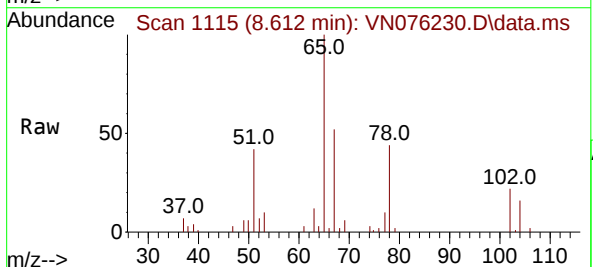
Acq: 12 Jan 2023 15:03

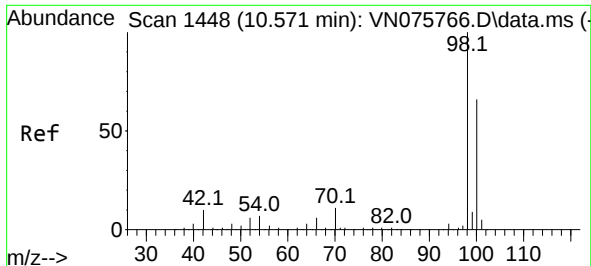
Tgt Ion: 78 Resp: 17777

Ion Ratio Lower Upper

78 100

77 22.4 18.5 27.7

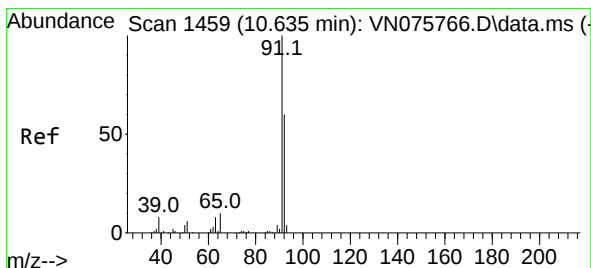
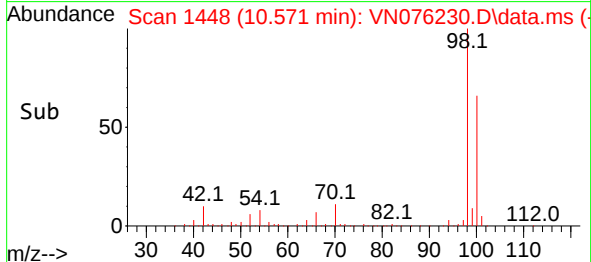
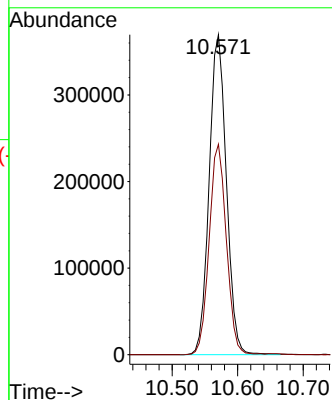
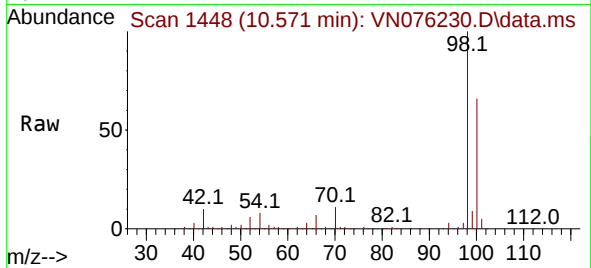




#50
Toluene-d8
Concen: 49.593 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

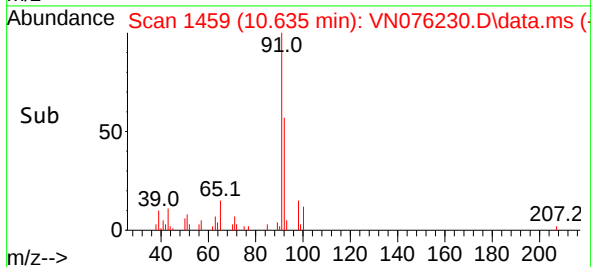
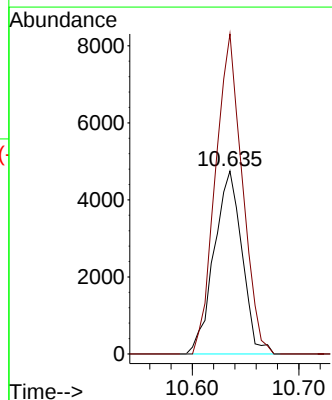
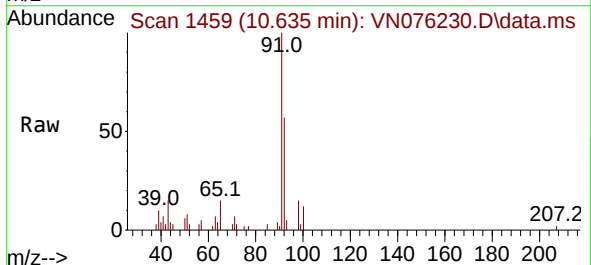
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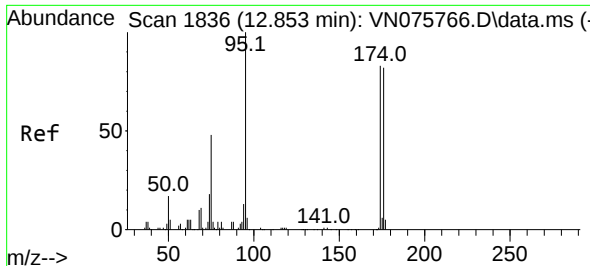
Tgt Ion: 98 Resp: 675219
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#52
Toluene
Concen: 0.890 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

Tgt Ion: 92 Resp: 8653
Ion Ratio Lower Upper
92 100
91 168.5 137.3 205.9

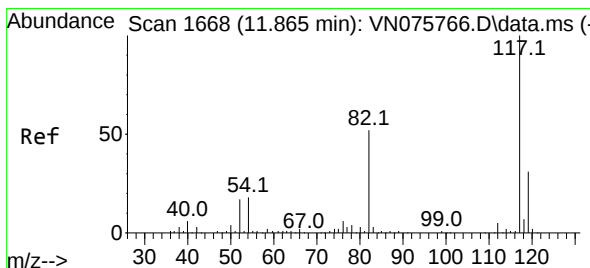
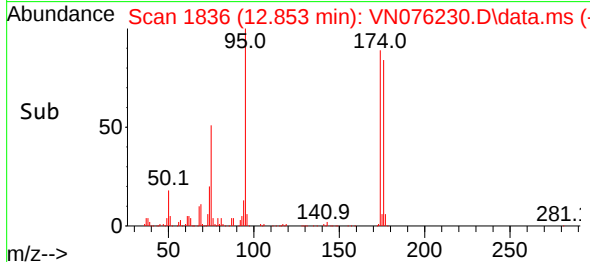
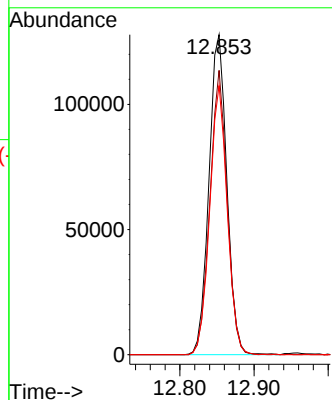
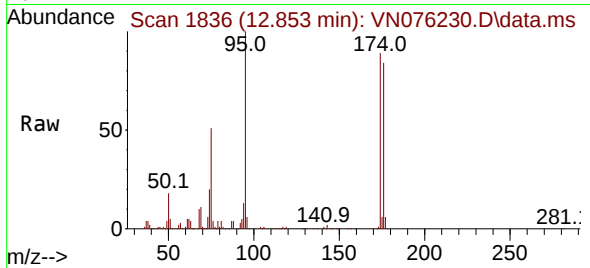




#62
4-Bromofluorobenzene
Concen: 47.546 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

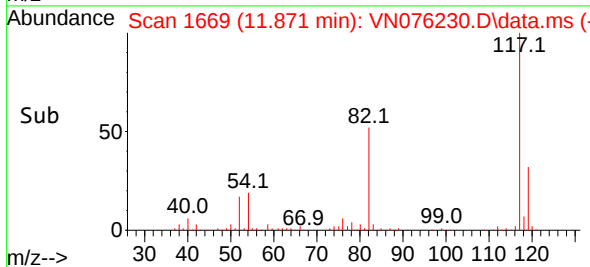
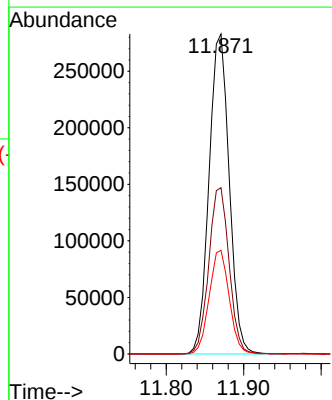
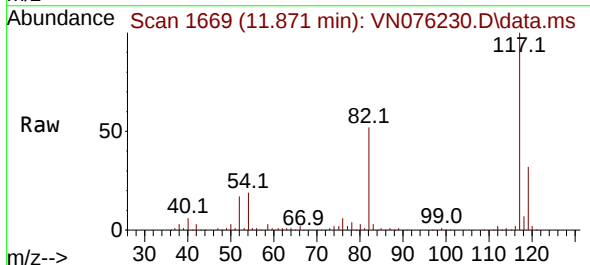
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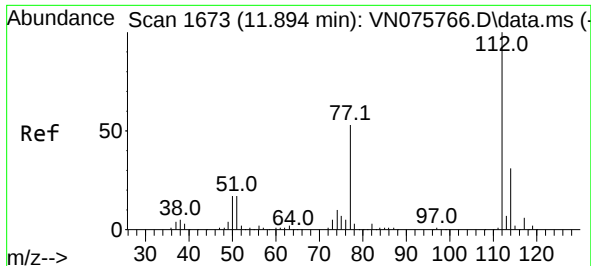
Tgt Ion: 95 Resp: 214409
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 82.2 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

Tgt Ion: 117 Resp: 510872
Ion Ratio Lower Upper
117 100
82 51.9 41.3 61.9
119 32.4 24.6 37.0

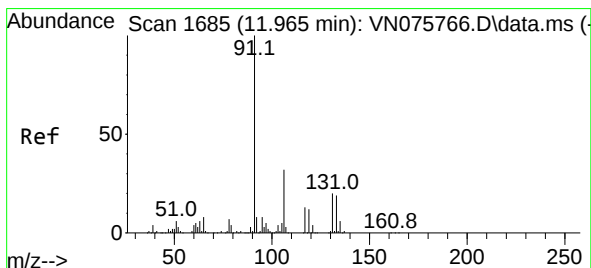
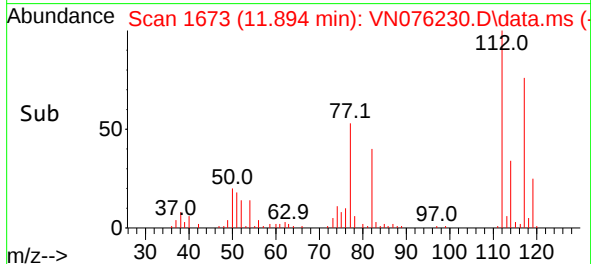
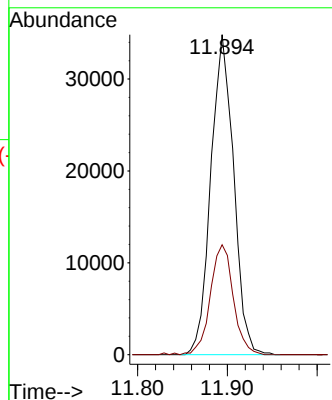
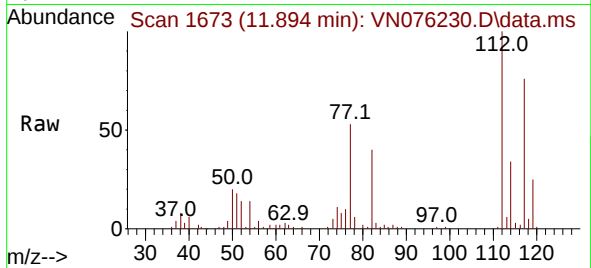




#65
Chlorobenzene
Concen: 5.857 ug/l
RT: 11.894 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

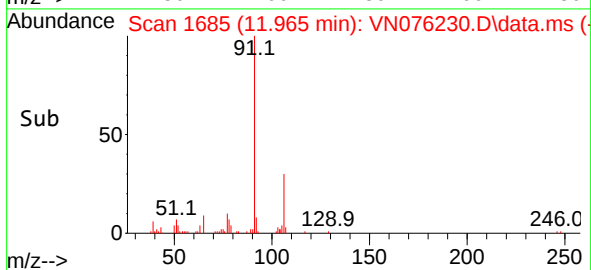
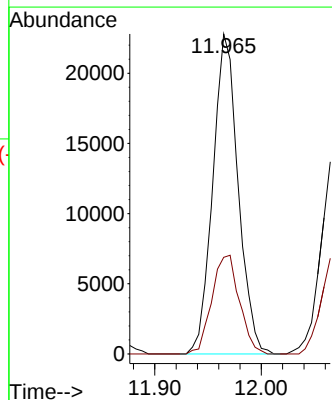
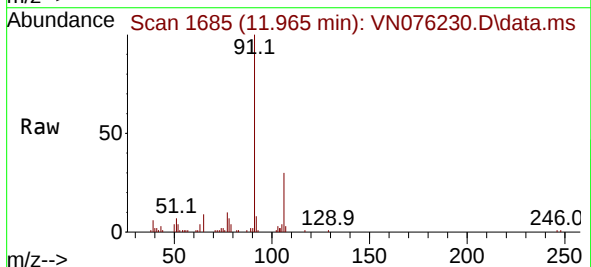
Instrument :
MSVOA_N
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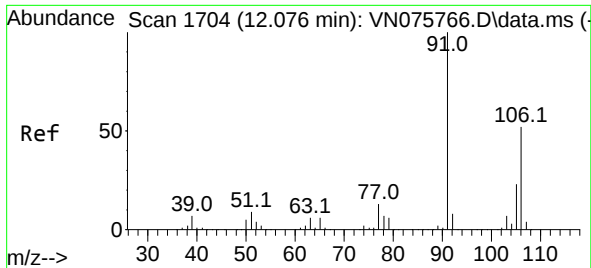
Tgt Ion:112 Resp: 61413
Ion Ratio Lower Upper
112 100
114 34.3 24.7 37.1



#67
Ethyl Benzene
Concen: 2.127 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

Tgt Ion: 91 Resp: 37637
Ion Ratio Lower Upper
91 100
106 30.2 25.7 38.5

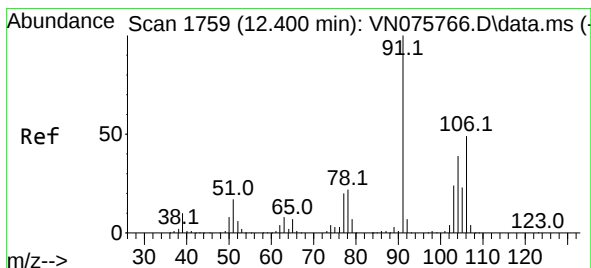
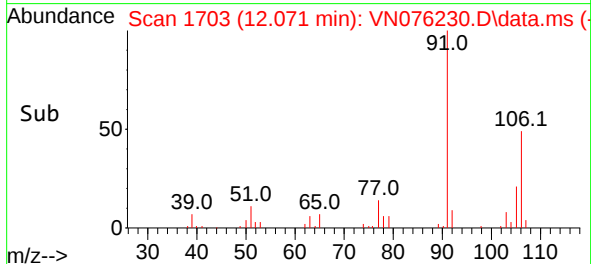
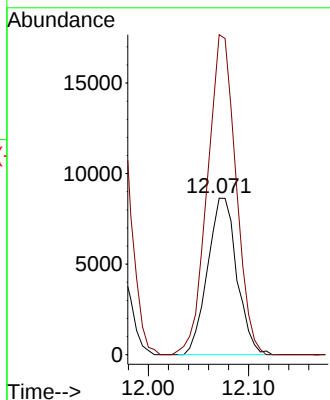
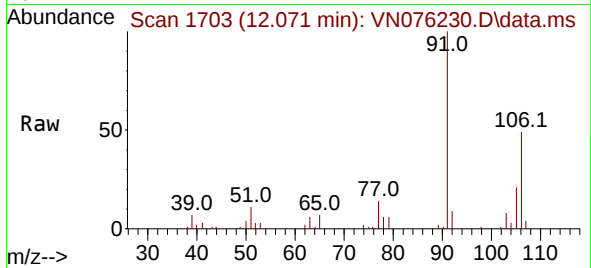




#68
m/p-Xylenes
Concen: 2.505 ug/l
RT: 12.071 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

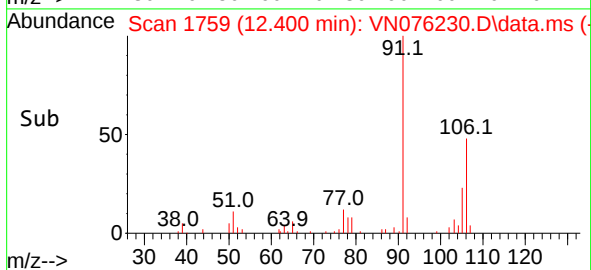
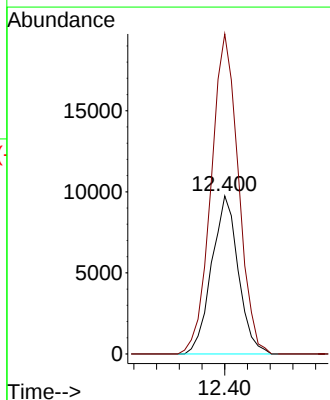
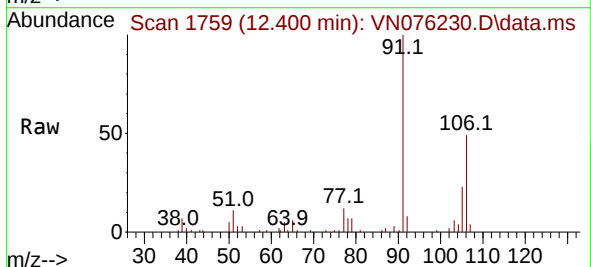
Instrument :
MSVOA_N
ClientSampleId :
230111062-02-VOA

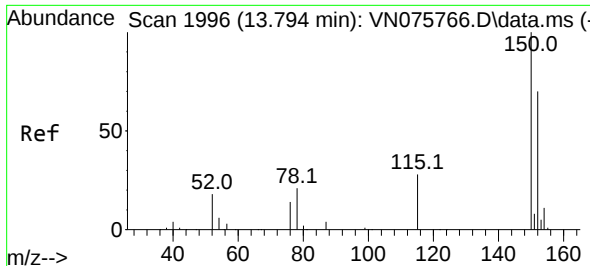
Tgt Ion:106 Resp: 17543
Ion Ratio Lower Upper
106 100
91 199.3 156.6 235.0



#69
o-Xylene
Concen: 2.289 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

Tgt Ion:106 Resp: 15868
Ion Ratio Lower Upper
106 100
91 207.5 103.8 311.6

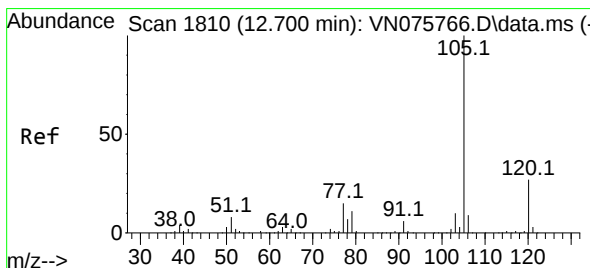
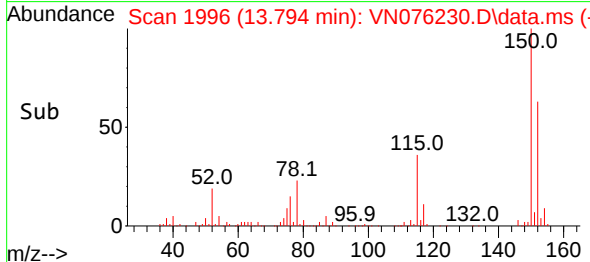
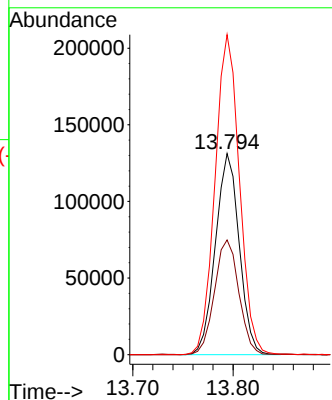
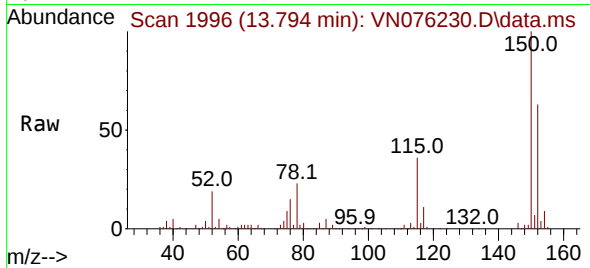




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

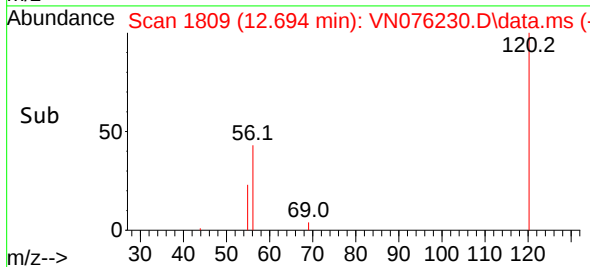
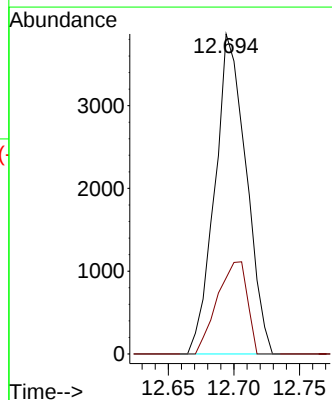
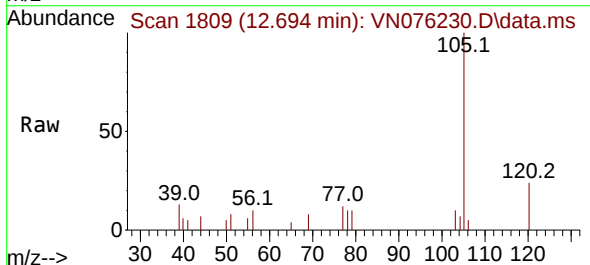
Instrument :
MSVOA_N
ClientSampleId :
230111062-02-VOA

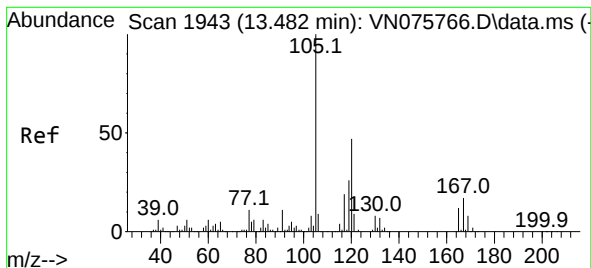
Tgt Ion:152 Resp: 216319
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.4
150 163.5 0.0 347.0



#73
Isopropylbenzene
Concen: 0.410 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

Tgt Ion:105 Resp: 6409
Ion Ratio Lower Upper
105 100
120 27.6 13.4 40.2





#84

1,2,4-Trimethylbenzene

Concen: 0.692 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN076230.D

Acq: 12 Jan 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :

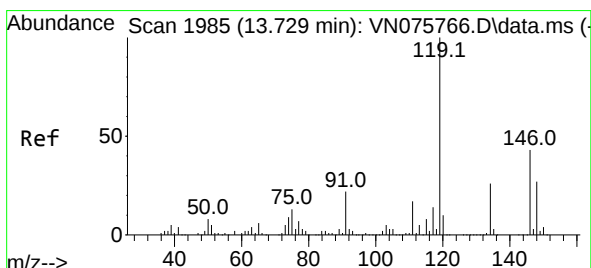
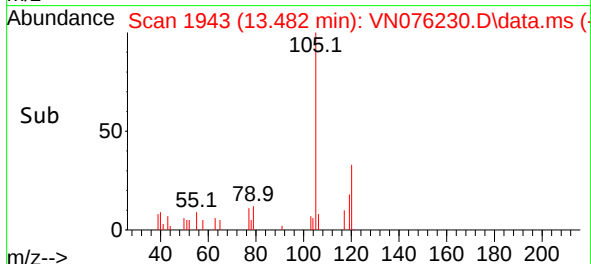
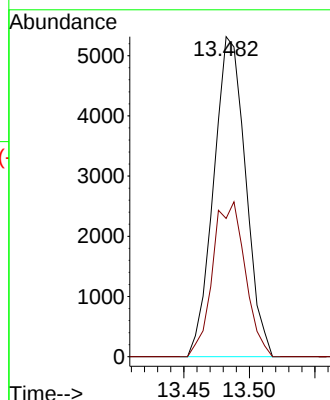
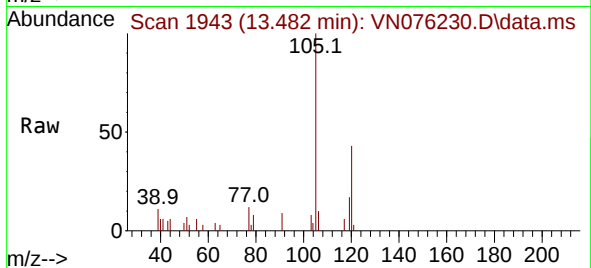
230111062-02-VOA

Tgt Ion:105 Resp: 8987

Ion Ratio Lower Upper

105 100

120 49.3 23.3 69.8



#86

p-Isopropyltoluene

Concen: 0.416 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. 0.000 min

Lab File: VN076230.D

Acq: 12 Jan 2023 15:03

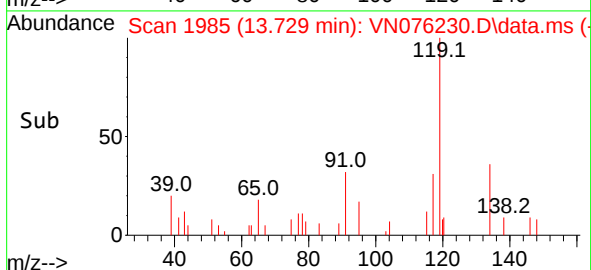
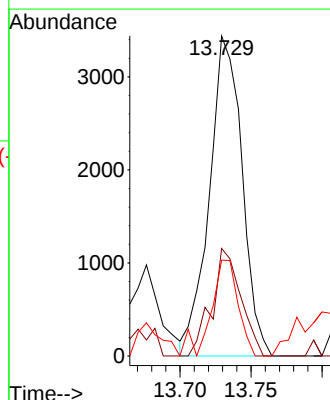
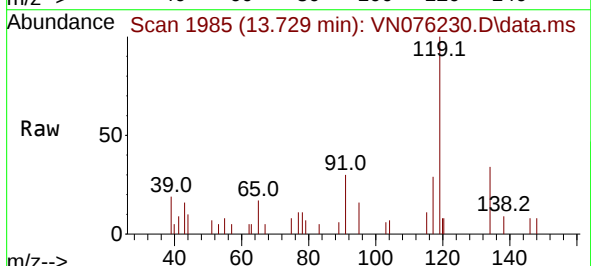
Tgt Ion:119 Resp: 5516

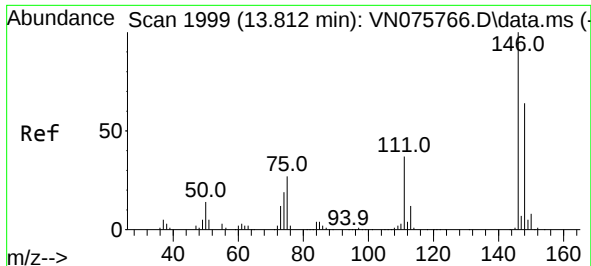
Ion Ratio Lower Upper

119 100

134 29.6 13.0 39.0

91 24.8 11.2 33.6

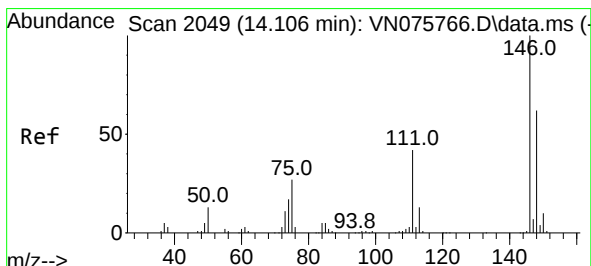
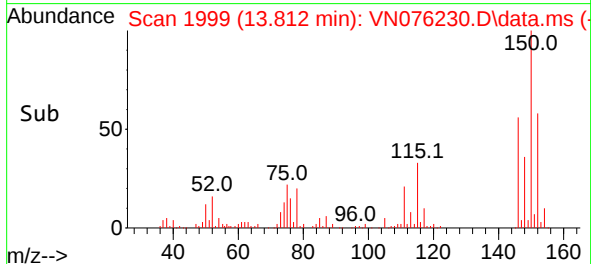
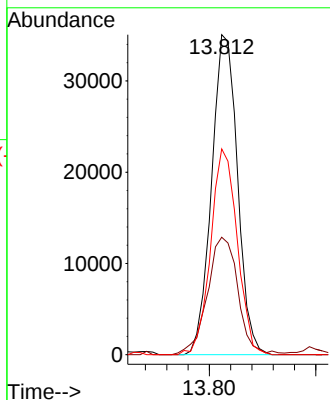
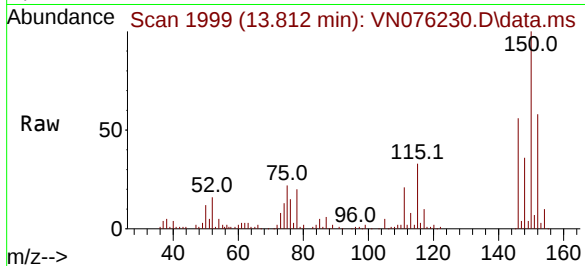




#88
1,4-Dichlorobenzene
Concen: 7.943 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

Instrument :
MSVOA_N
ClientSampleId :
230111062-02-VOA

Tgt Ion:146 Resp: 59295
Ion Ratio Lower Upper
146 100
111 43.3 19.1 57.1
148 65.8 32.0 96.2



#91
1,2-Dichlorobenzene
Concen: 0.645 ug/l
RT: 14.112 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN076230.D
Acq: 12 Jan 2023 15:03

Tgt Ion:146 Resp: 4644
Ion Ratio Lower Upper
146 100
111 39.4 20.3 61.0
148 60.6 31.7 95.1

