

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011223\
 Data File : VN076231.D
 Acq On : 12 Jan 2023 15:27
 Operator : JC\MD
 Sample : 01130-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

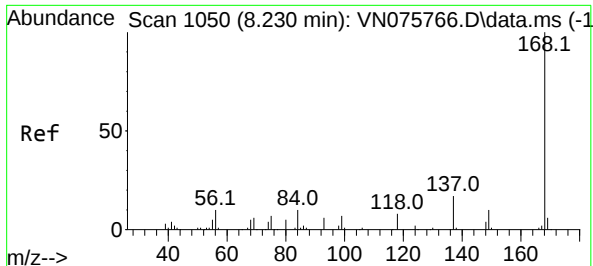
Instrument :
 MSVOA_N
 ClientSampleId :
 230111061-02-VOA

Quant Time: Jan 13 02:00:34 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	387620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	597278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	530884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	206295	48.921	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.840%
35) Dibromofluoromethane	8.171	113	179694	48.581	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.160%
50) Toluene-d8	10.571	98	696485	50.362	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.720%
62) 4-Bromofluorobenzene	12.853	95	231066	50.445	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.900%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.971	74	6210	2.745	ug/l	90
11) Tert butyl alcohol	5.530	59	3282250	5500.739	ug/l	100
29) Tetrahydrofuran	7.841	42	940171	737.085	ug/l	99
40) Benzene	8.612	78	48281	3.185	ug/l	93
52) Toluene	10.635	92	49770	5.041	ug/l	97
65) Chlorobenzene	11.888	112	9093	0.835	ug/l	94
67) Ethyl Benzene	11.965	91	19562	1.064	ug/l	99
68) m/p-Xylenes	12.065	106	63667	8.747	ug/l	99
69) o-Xylene	12.400	106	43615	6.055	ug/l	99
73) Isopropylbenzene	12.694	105	5608	0.322	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	16504	1.132	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	35534	2.457	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	26255	3.156	ug/l	93
95) Naphthalene	15.641	128	36444	4.835	ug/l #	93

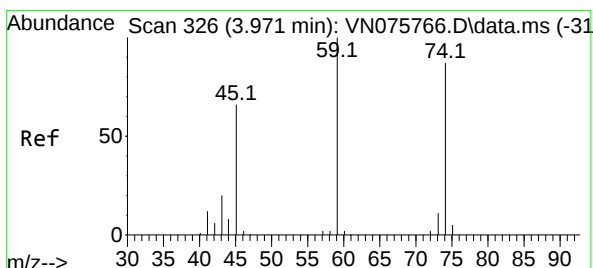
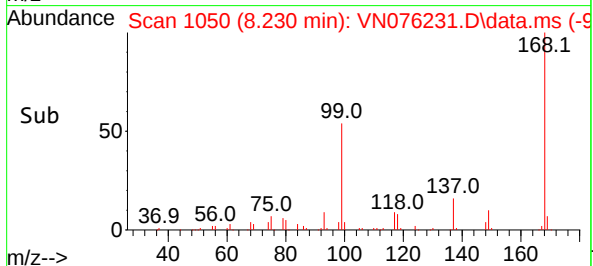
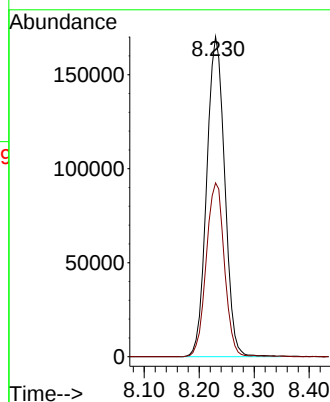
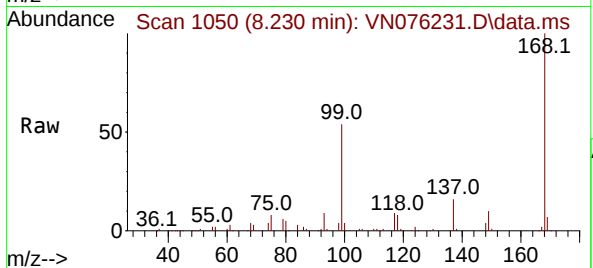
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076231.D
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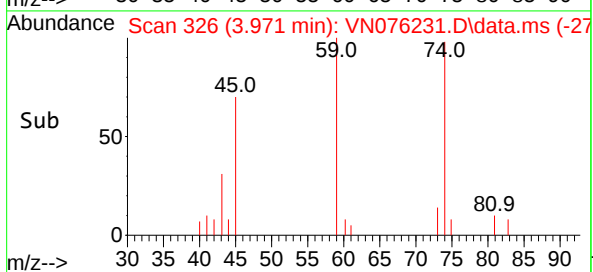
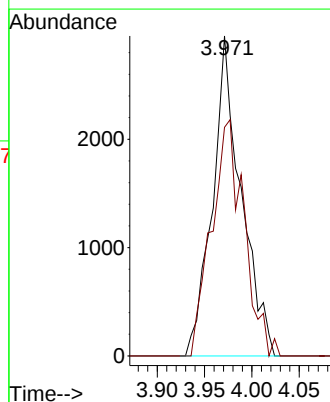
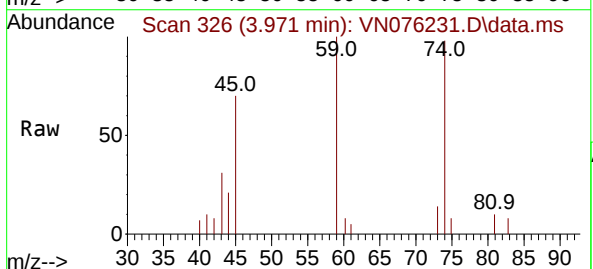
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230111061-02-VOA

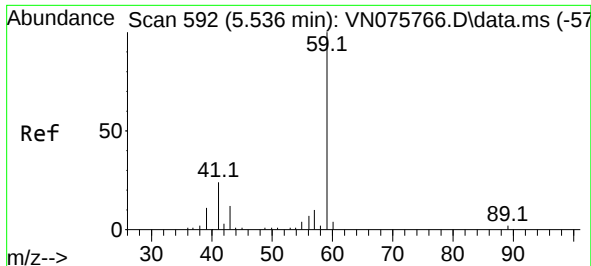
Tgt Ion:168 Resp: 387620
Ion Ratio Lower Upper
168 100
99 54.3 44.2 66.4



#8
Diethyl Ether
Concen: 2.745 ug/l
RT: 3.971 min Scan# 326
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Tgt Ion: 74 Resp: 6210
Ion Ratio Lower Upper
74 100
45 83.9 37.8 113.4

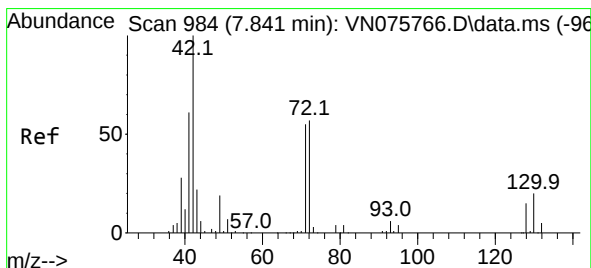
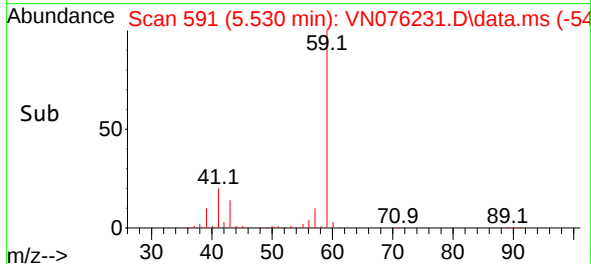
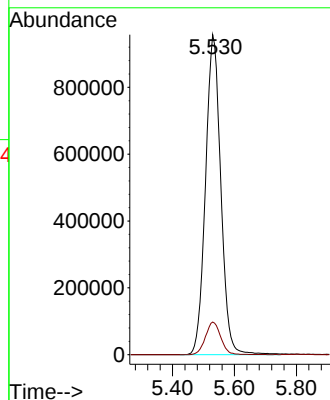
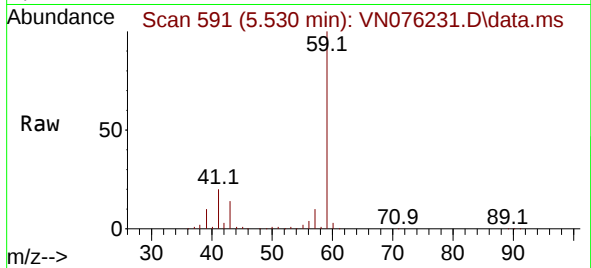




#11
Tert butyl alcohol
Concen: 5500.739 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

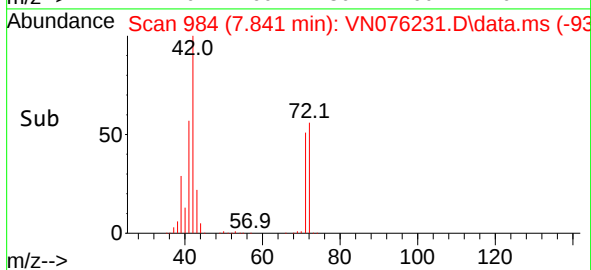
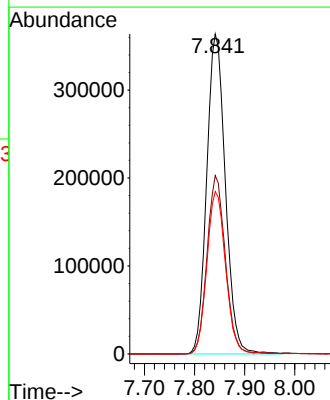
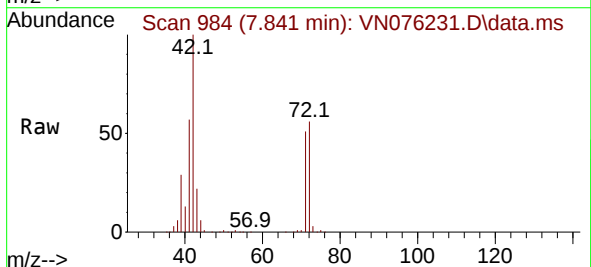
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ClientSampleId :
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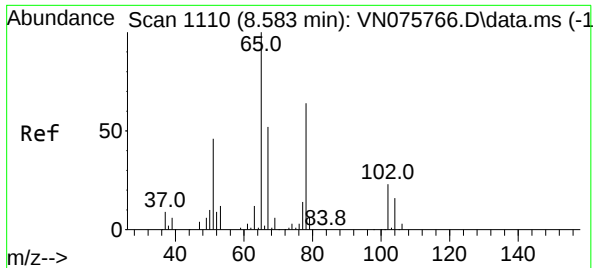
Tgt Ion: 59 Resp: 3282250
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#29
Tetrahydrofuran
Concen: 737.085 ug/l
RT: 7.841 min Scan# 984
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Tgt Ion: 42 Resp: 940171
Ion Ratio Lower Upper
42 100
72 54.9 44.5 66.7
71 51.1 41.0 61.6

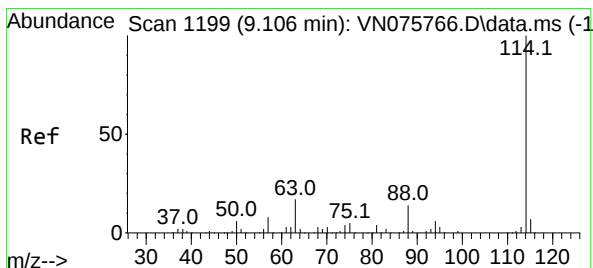
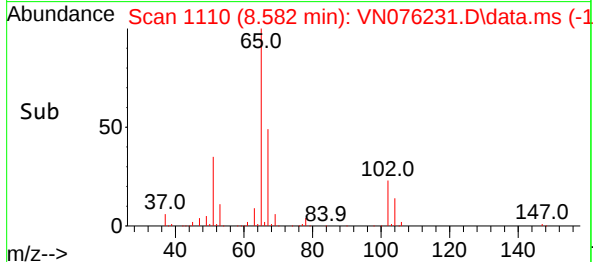
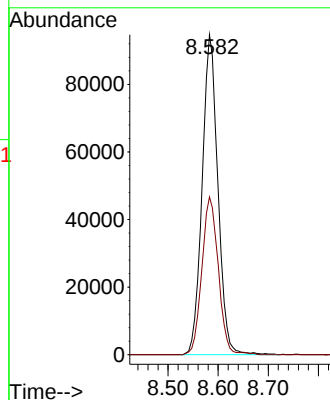
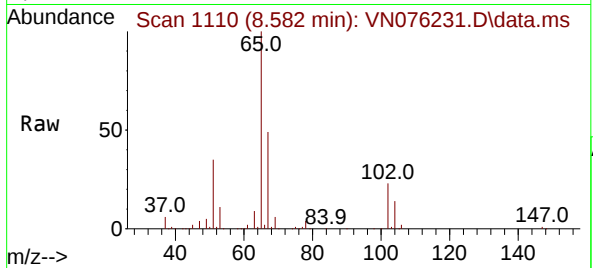




#33
 1,2-Dichloroethane-d4
 Concen: 48.921 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. -0.000 min
 Lab File: VN076231.D
 Acq: 12 Jan 2023 15:27

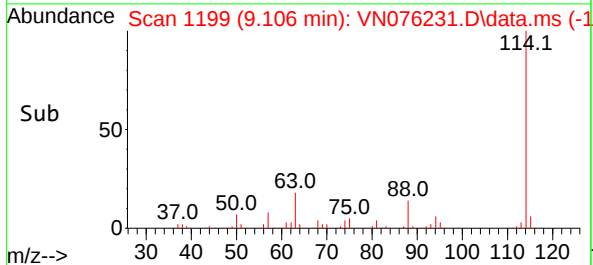
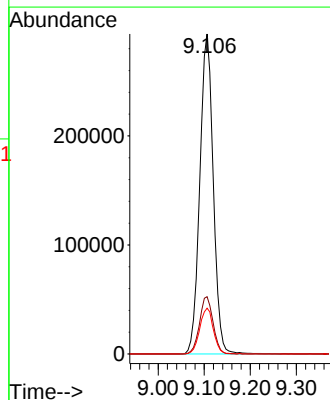
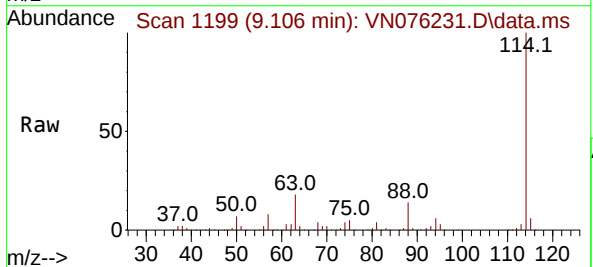
Instrument :
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 230111061-02-VOA

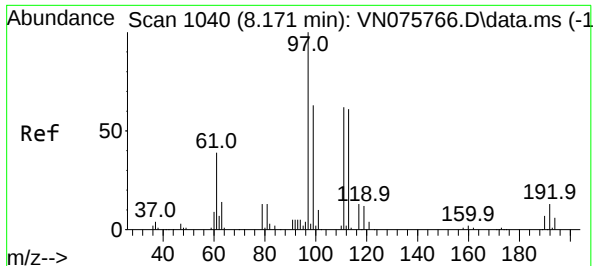
Tgt Ion: 65 Resp: 206295
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN076231.D
 Acq: 12 Jan 2023 15:27

Tgt Ion: 114 Resp: 597278
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.4
 88 14.3 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.581 ug/l

RT: 8.171 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VN076231.D

Acq: 12 Jan 2023 15:27

Instrument :

MSVOA_N

ClientSampleId :

230111061-02-VOA

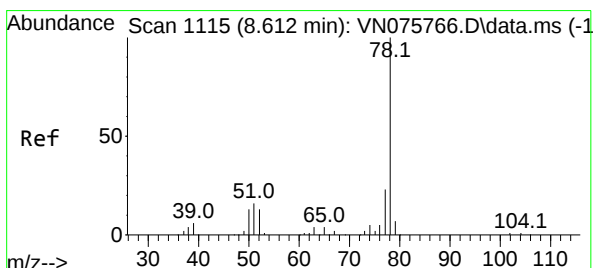
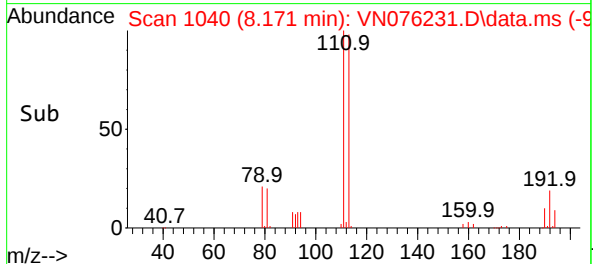
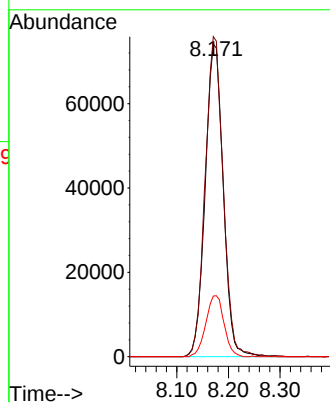
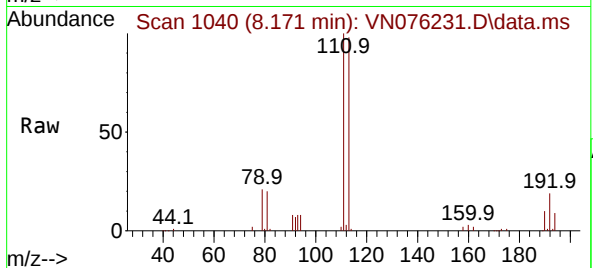
Tgt Ion:113 Resp: 179694

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

192 19.6 16.1 24.1



#40

Benzene

Concen: 3.185 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN076231.D

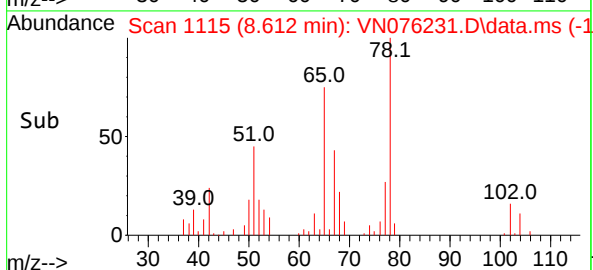
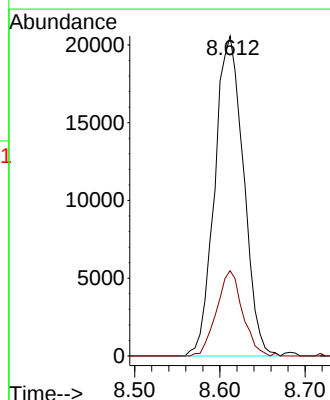
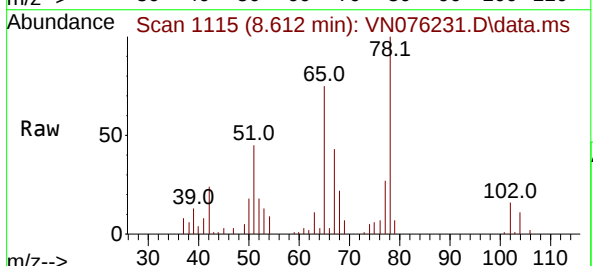
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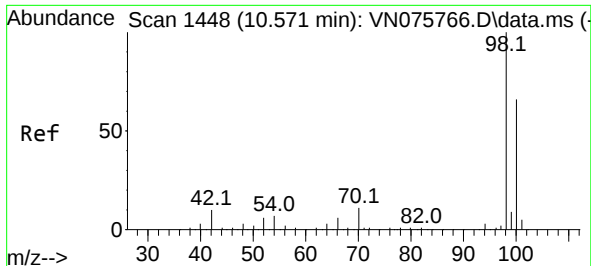
Tgt Ion: 78 Resp: 48281

Ion Ratio Lower Upper

78 100

77 26.6 18.5 27.7

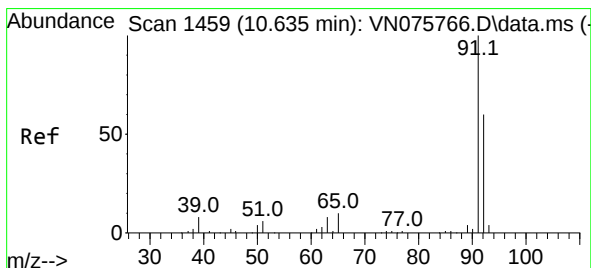
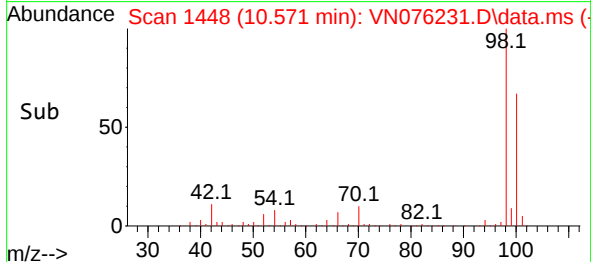
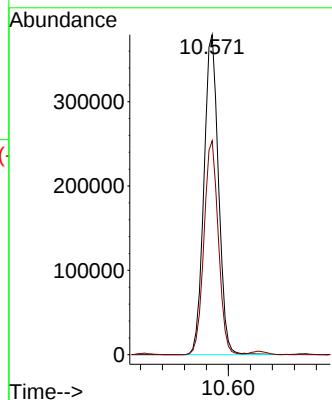
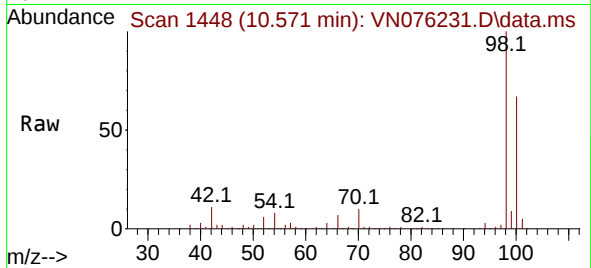




#50
Toluene-d8
Concen: 50.362 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

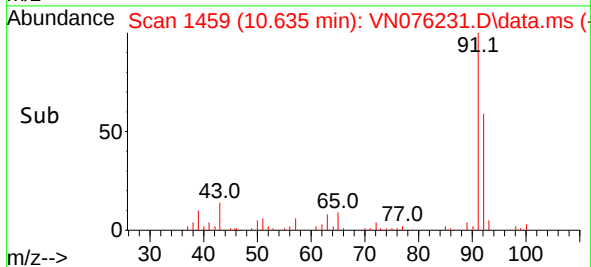
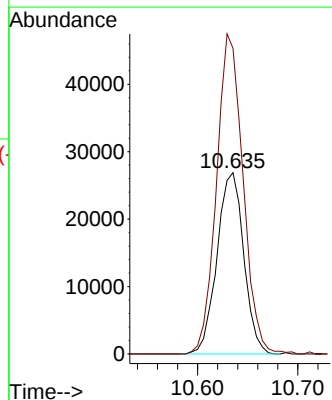
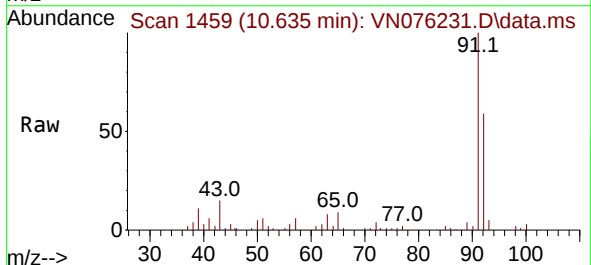
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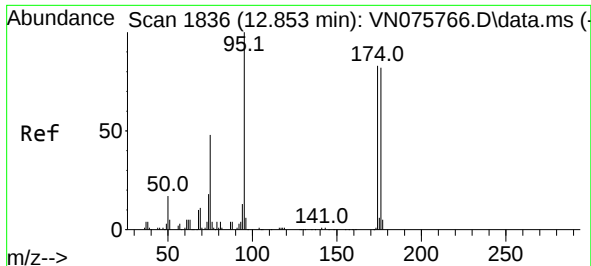
Tgt Ion: 98 Resp: 696485
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1



#52
Toluene
Concen: 5.041 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Tgt Ion: 92 Resp: 49770
Ion Ratio Lower Upper
92 100
91 175.4 137.3 205.9

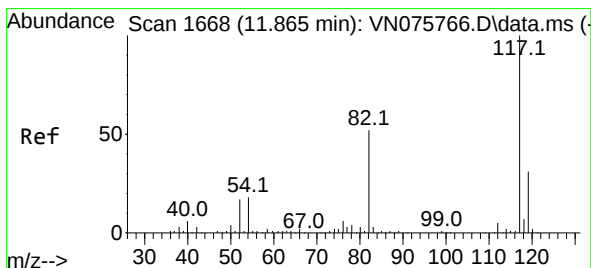
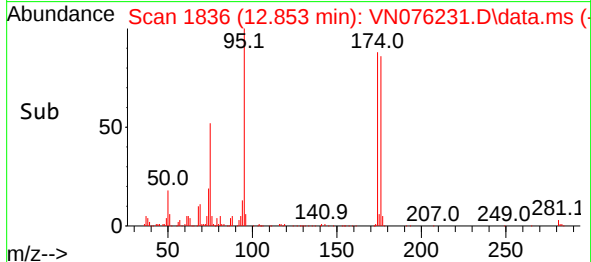
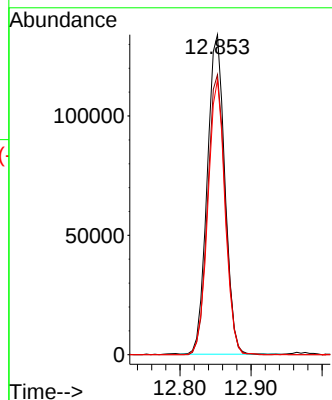
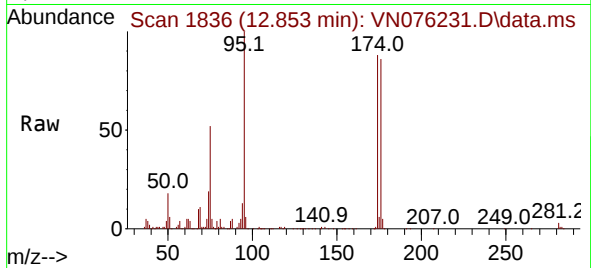




#62
4-Bromofluorobenzene
Concen: 50.445 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

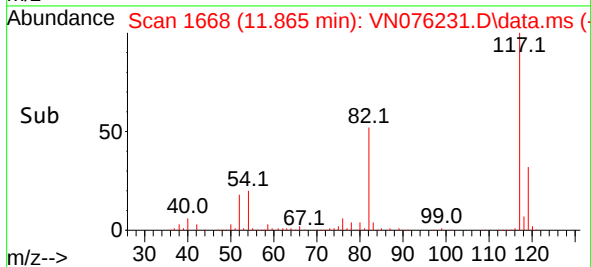
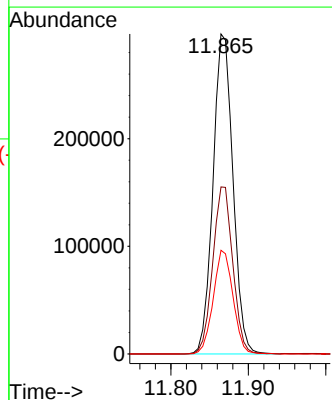
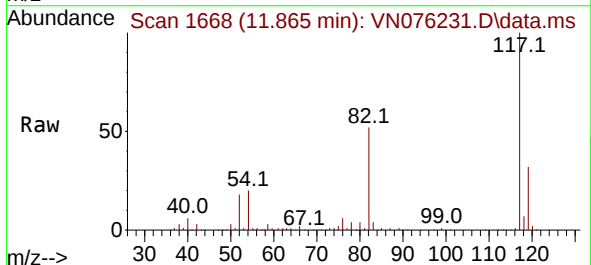
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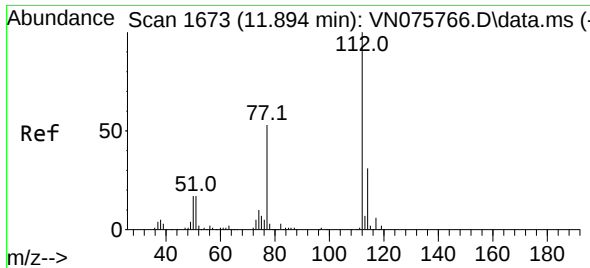
Tgt Ion: 95 Resp: 231066
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 83.5 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Tgt Ion: 117 Resp: 530884
Ion Ratio Lower Upper
117 100
82 52.2 41.3 61.9
119 32.4 24.6 37.0

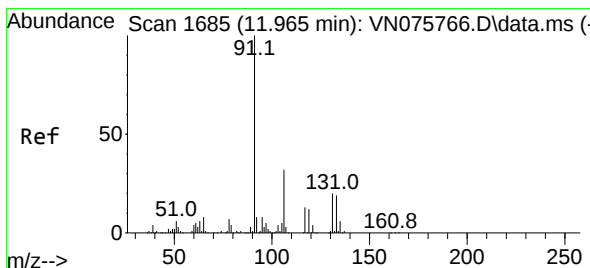
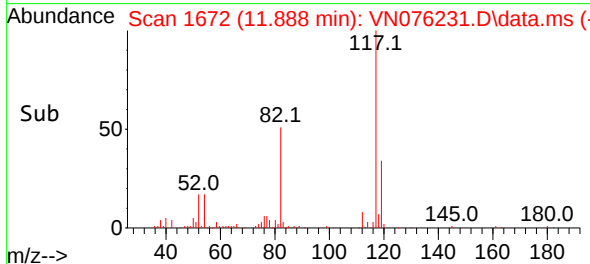
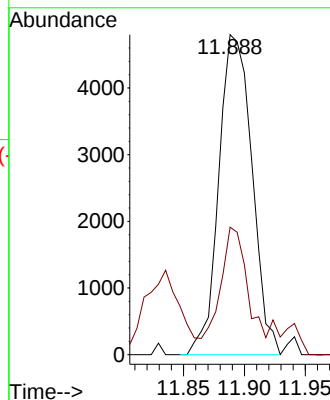
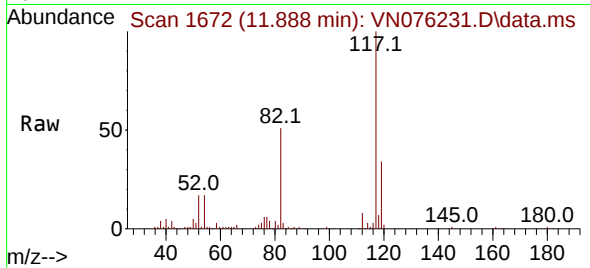




#65
Chlorobenzene
Concen: 0.835 ug/l
RT: 11.888 min Scan# 1672
Delta R.T. -0.006 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

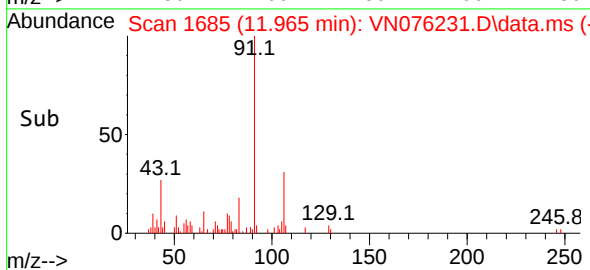
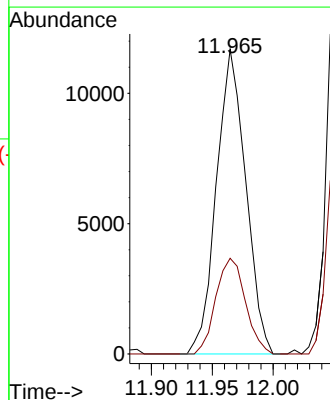
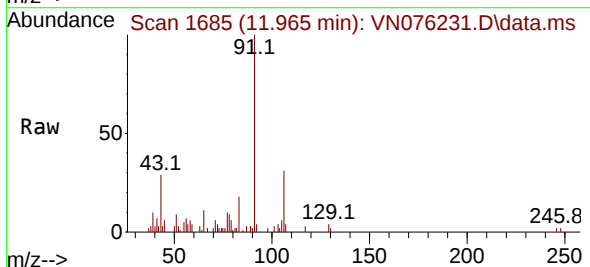
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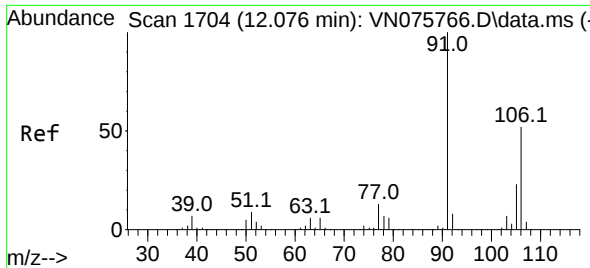
Tgt Ion:112 Resp: 9093
Ion Ratio Lower Upper
112 100
114 34.4 24.7 37.1



#67
Ethyl Benzene
Concen: 1.064 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Tgt Ion: 91 Resp: 19562
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

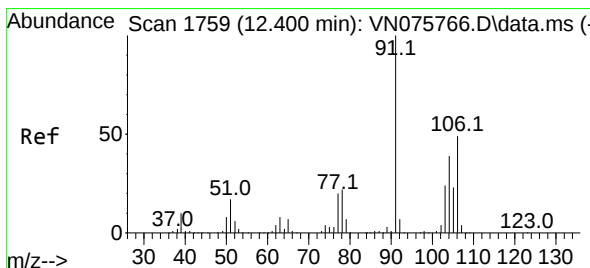
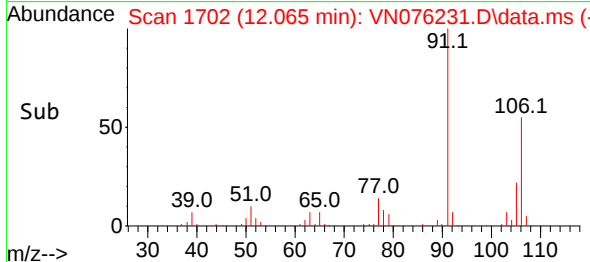
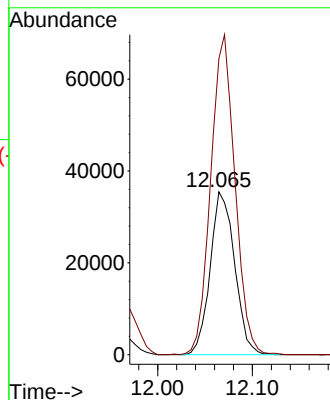
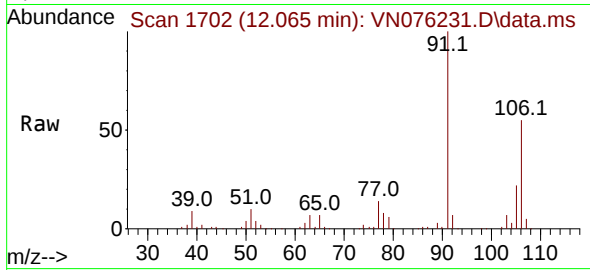




#68
m/p-Xylenes
Concen: 8.747 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.012 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

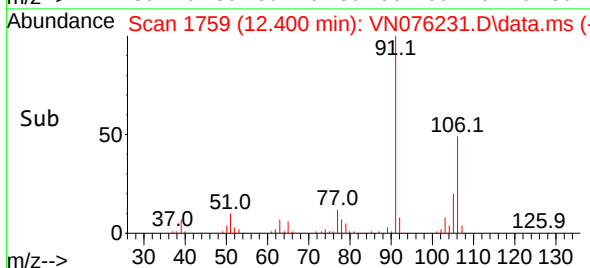
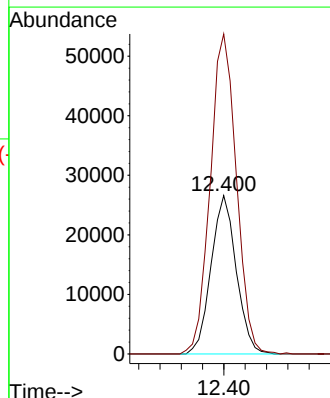
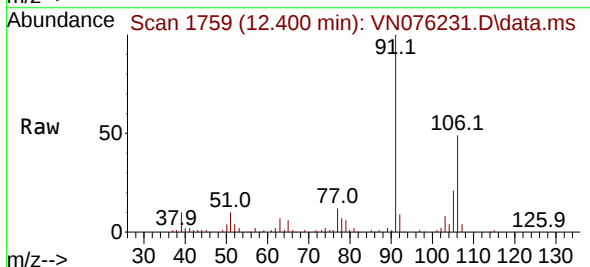
Instrument :
MSVOA_N
ClientSampleId :
230111061-02-VOA

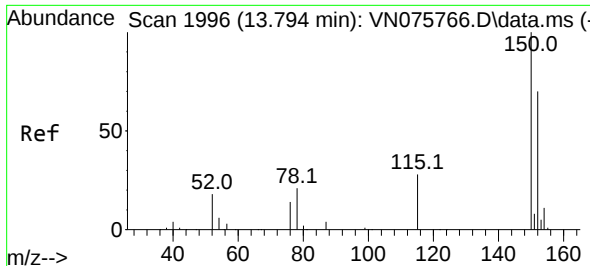
Tgt Ion:106 Resp: 63667
Ion Ratio Lower Upper
106 100
91 195.0 156.6 235.0



#69
o-Xylene
Concen: 6.055 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Tgt Ion:106 Resp: 43615
Ion Ratio Lower Upper
106 100
91 209.8 103.8 311.6

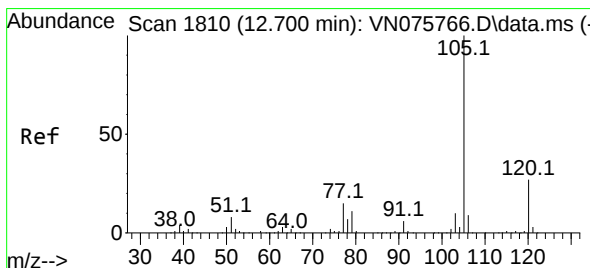
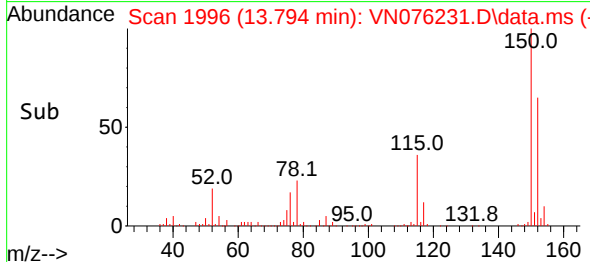
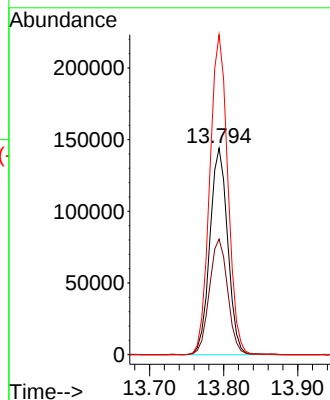
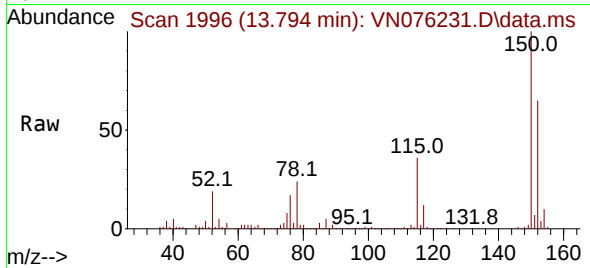




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

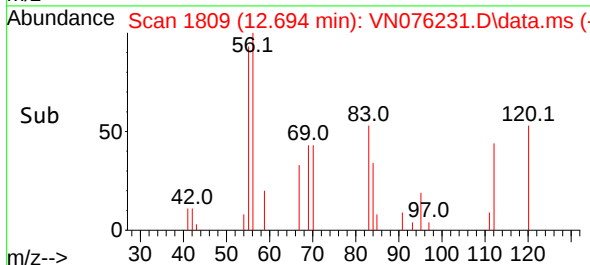
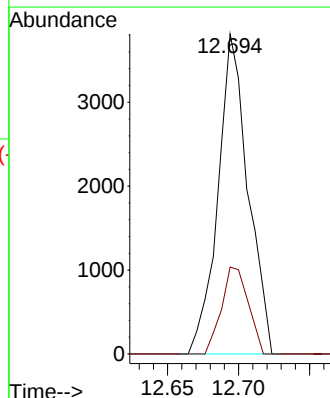
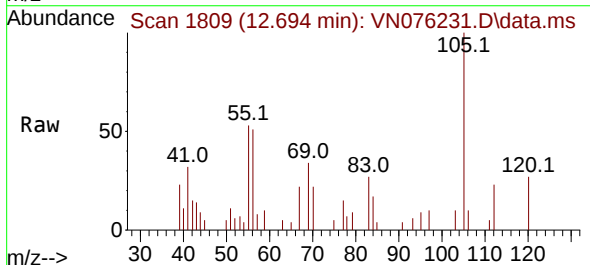
Instrument :
MSVOA_N
ClientSampleId :
230111061-02-VOA

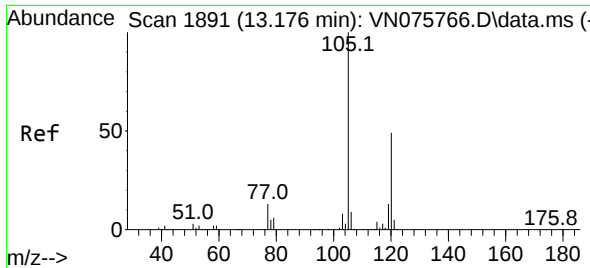
Tgt Ion:152 Resp: 241043
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.4
150 156.8 0.0 347.0



#73
Isopropylbenzene
Concen: 0.322 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Tgt Ion:105 Resp: 5608
Ion Ratio Lower Upper
105 100
120 24.1 13.4 40.2

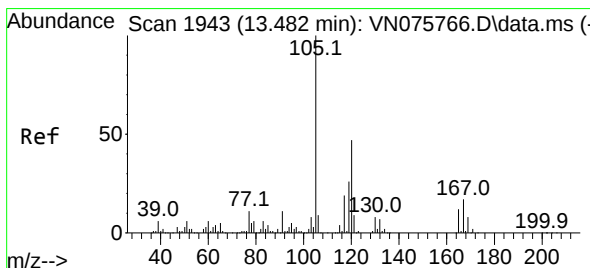
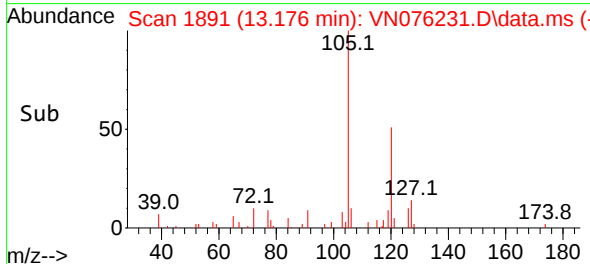
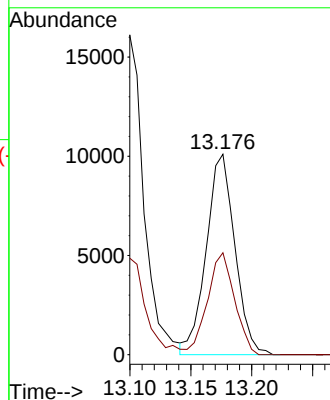
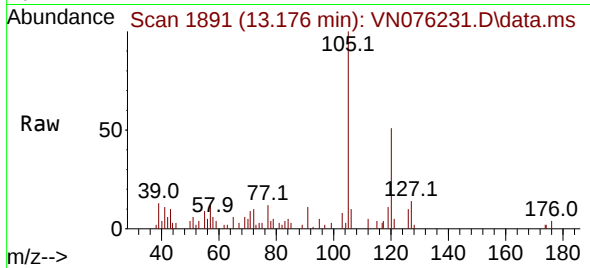




#80
 1,3,5-Trimethylbenzene
 Concen: 1.132 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. -0.000 min
 Lab File: VN076231.D
 Acq: 12 Jan 2023 15:27

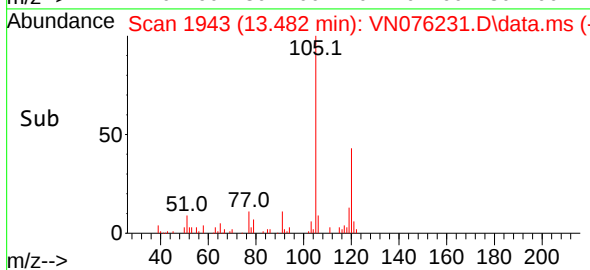
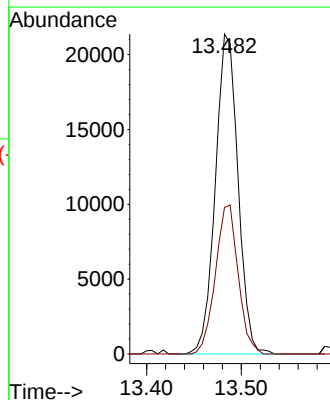
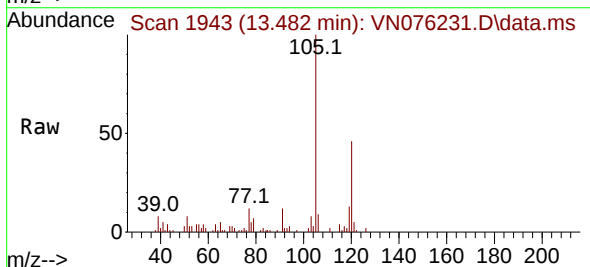
Instrument :
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 ClientSampleId :
 230111061-02-VOA

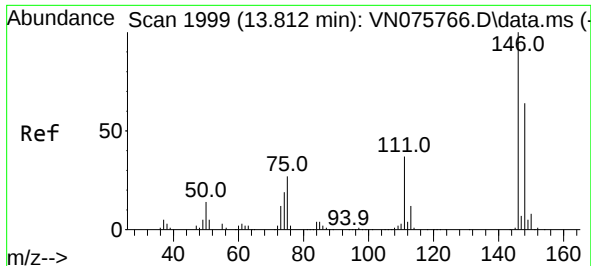
Tgt Ion:105 Resp: 16504
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.7 74.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.457 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. -0.000 min
 Lab File: VN076231.D
 Acq: 12 Jan 2023 15:27

Tgt Ion:105 Resp: 35534
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8

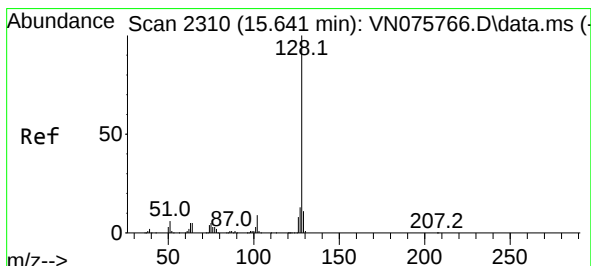
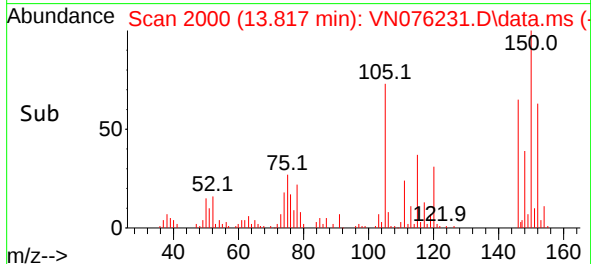
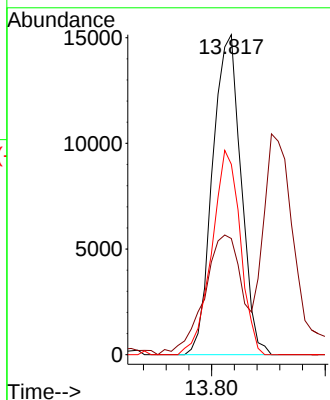
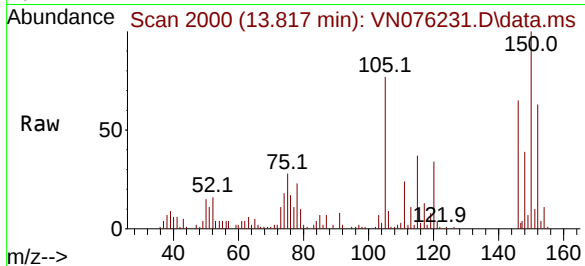




#88
1,4-Dichlorobenzene
Concen: 3.156 ug/l
RT: 13.817 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Instrument :
MSVOA_N
ClientSampleId :
230111061-02-VOA

Tgt Ion:146 Resp: 26255
Ion Ratio Lower Upper
146 100
111 49.7 19.1 57.1
148 64.1 32.0 96.2



#95
Naphthalene
Concen: 4.835 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076231.D
Acq: 12 Jan 2023 15:27

Tgt Ion:128 Resp: 36444
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 5.4 8.7 13.1#

