

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076947.D
 Acq On : 11 Mar 2023 00:28
 Operator : JC\MD
 Sample : 01854-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33907

Quant Time: Mar 13 01:28:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	414882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	690737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	608172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	272401	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	288027	46.522	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.040%
35) Dibromofluoromethane	8.172	113	213936	46.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.940%
50) Toluene-d8	10.572	98	813227	47.932	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.854	95	317630	51.184	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.360%

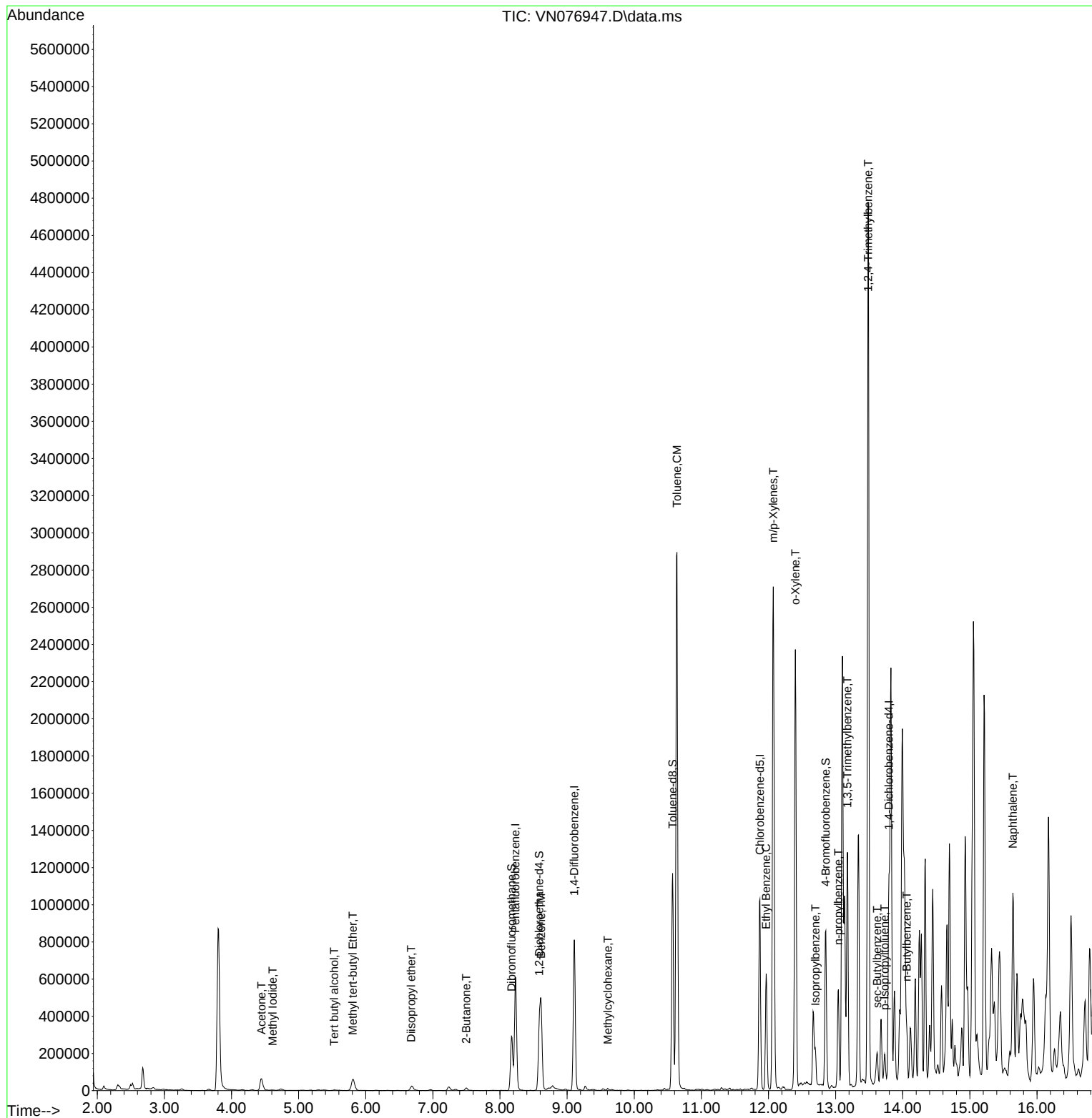
Target Compounds						Qvalue
10) Methyl Iodide	4.613	142	3323	0.638	ug/l #	93
11) Tert butyl alcohol	5.531	59	6461	7.502	ug/l #	83
16) Acetone	4.448	43	124913	58.225	ug/l	88
19) Methyl tert-butyl Ether	5.807	73	101277	6.211	ug/l	96
22) Diisopropyl ether	6.678	45	21924	1.506	ug/l	95
25) 2-Butanone	7.495	43	23166	7.592	ug/l #	87
39) Methylcyclohexane	9.607	83	4358	0.504	ug/l #	69
40) Benzene	8.613	78	438348	20.887	ug/l	95
52) Toluene	10.636	92	1317896	102.032	ug/l	98
67) Ethyl Benzene	11.966	91	460834	18.423	ug/l	96
68) m/p-Xylenes	12.072	106	826646	87.923	ug/l	85
69) o-Xylene	12.401	106	642332	70.373	ug/l	83
73) Isopropylbenzene	12.701	105	115763	4.769	ug/l	92
78) n-propylbenzene	13.042	91	419360	15.515	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	689696	33.357	ug/l	92
84) 1,2,4-Trimethylbenzene	13.483	105	2840586	137.317	ug/l	93
85) sec-Butylbenzene	13.618	105	112252	4.662	ug/l	89
86) p-Isopropyltoluene	13.730	119	79830	4.106	ug/l	94
89) n-Butylbenzene	14.060	91	139544	8.600	ug/l #	75
95) Naphthalene	15.642	128	918198	55.847	ug/l	99

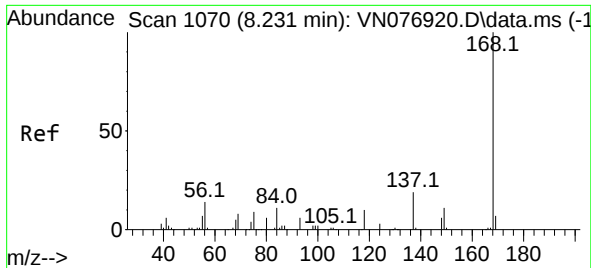
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
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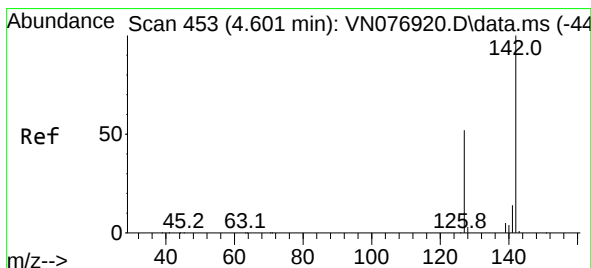
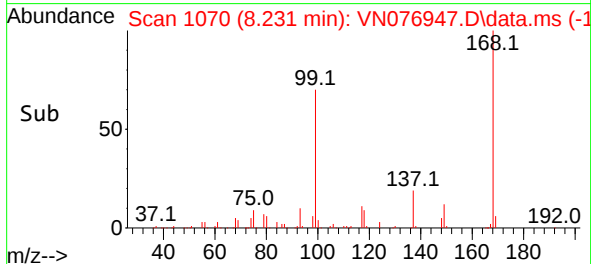
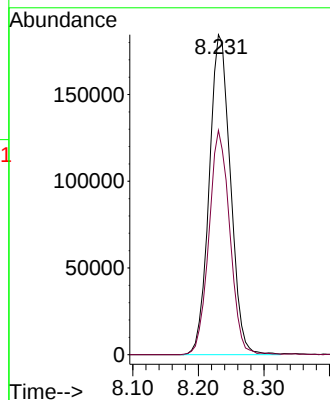
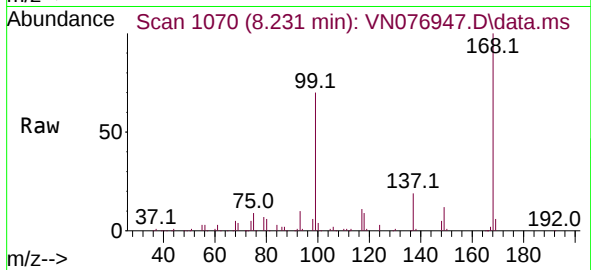




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

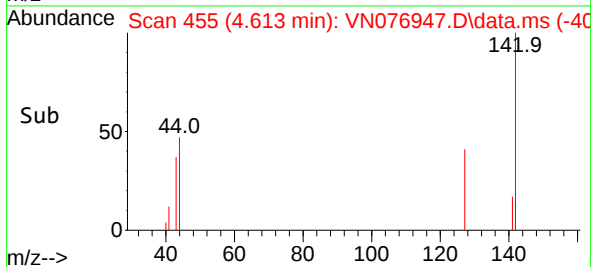
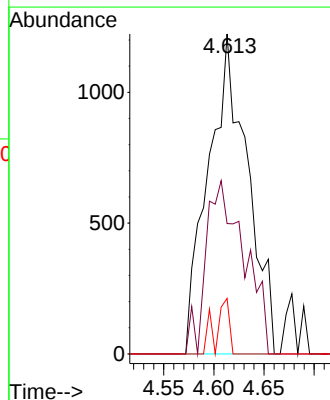
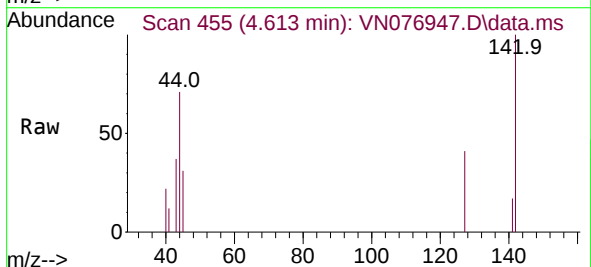
Instrument :
MSVOA_N
ClientSampleId :
33907

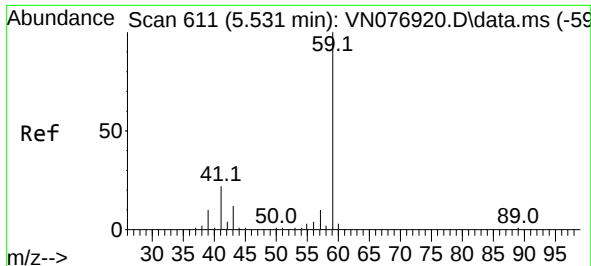
Tgt Ion:168 Resp: 414882
Ion Ratio Lower Upper
168 100
99 70.1 48.6 73.0



#10
Methyl Iodide
Concen: 0.638 ug/l
RT: 4.613 min Scan# 455
Delta R.T. 0.012 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion:142 Resp: 3323
Ion Ratio Lower Upper
142 100
127 40.7 35.2 52.8
141 17.3 10.2 15.2#

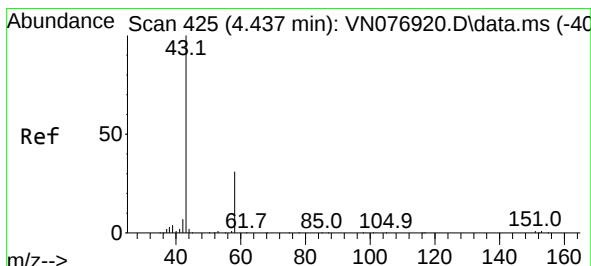
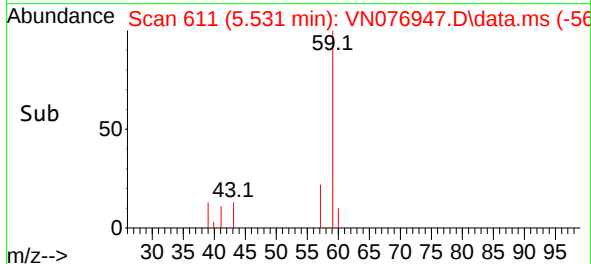
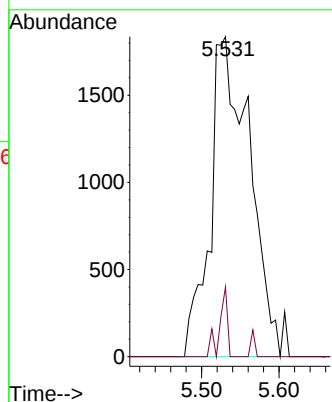
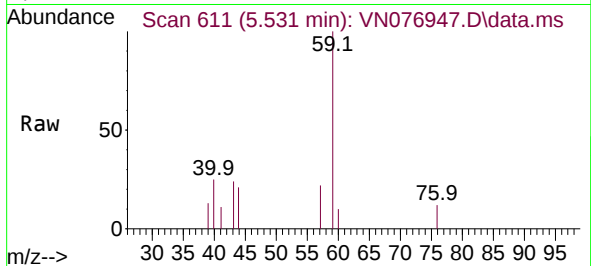




#11
Tert butyl alcohol
Concen: 7.502 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

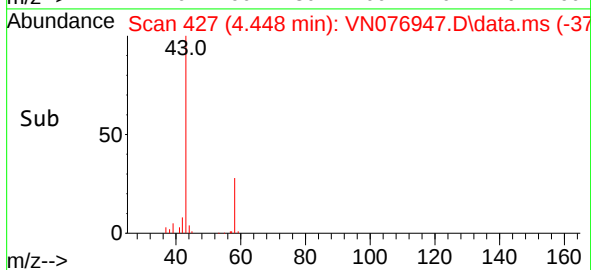
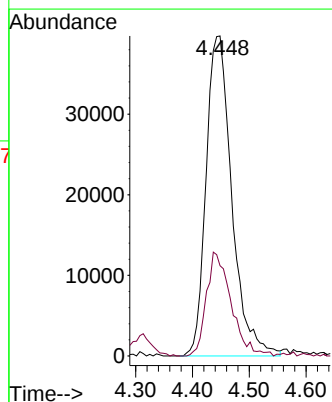
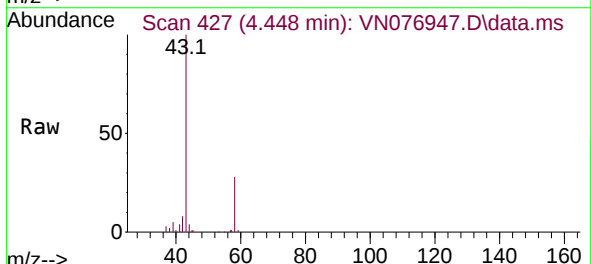
Instrument :
MSVOA_N
ClientSampleId :
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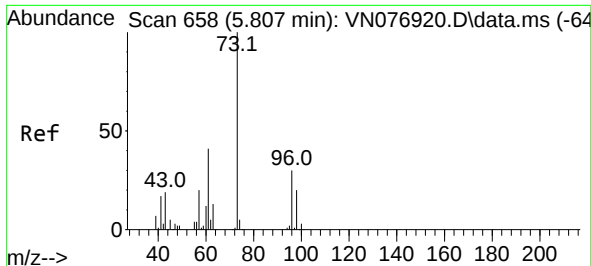
Tgt Ion: 59 Resp: 6461
Ion Ratio Lower Upper
59 100
57 4.3 8.6 12.8#



#16
Acetone
Concen: 58.225 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.012 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 43 Resp: 124913
Ion Ratio Lower Upper
43 100
58 28.2 28.2 42.2

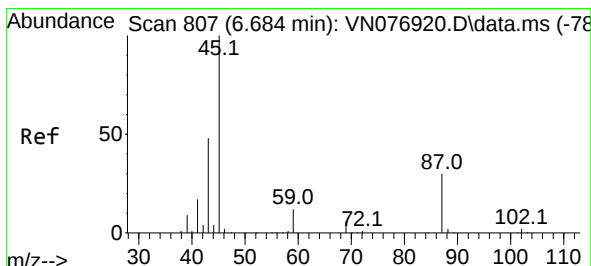
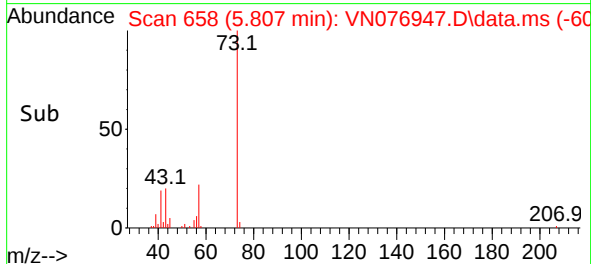
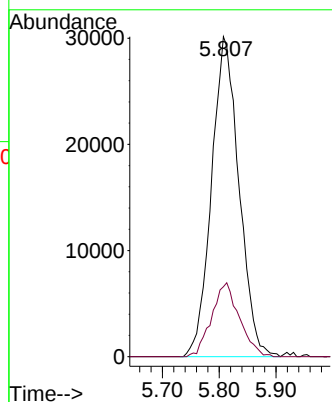
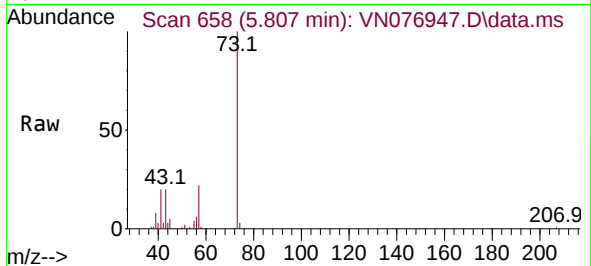




#19
Methyl tert-butyl Ether
Concen: 6.211 ug/l
RT: 5.807 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

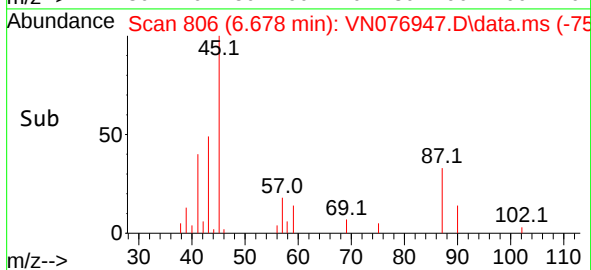
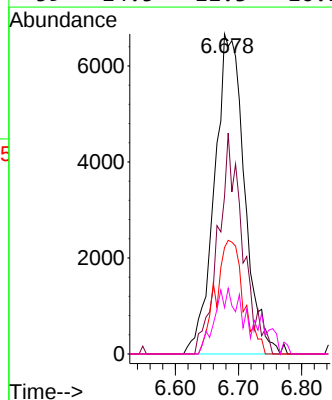
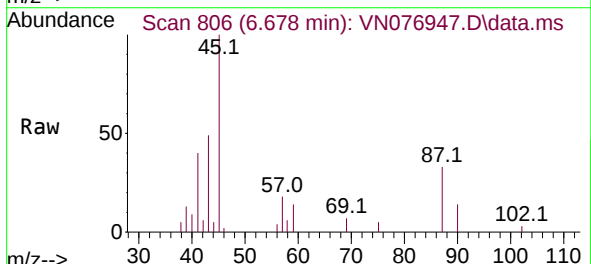
Instrument :
MSVOA_N
ClientSampleId :
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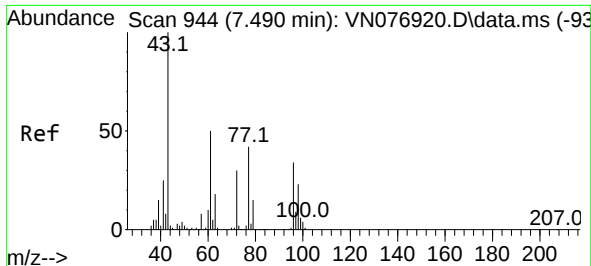
Tgt Ion: 73 Resp: 101277
Ion Ratio Lower Upper
73 100
57 21.9 16.1 24.1



#22
Diisopropyl ether
Concen: 1.506 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 45 Resp: 21924
Ion Ratio Lower Upper
45 100
43 49.1 42.6 63.8
87 33.2 29.7 44.5
59 14.5 11.3 16.9

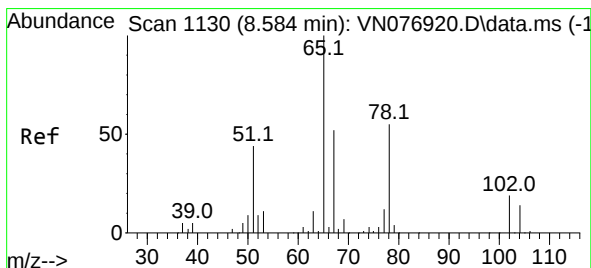
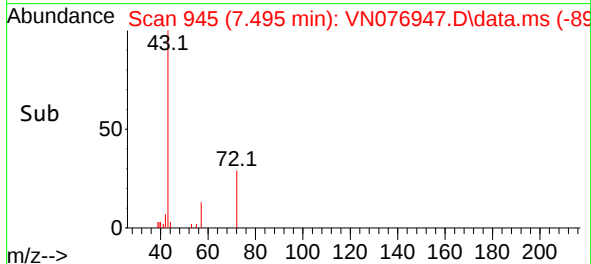
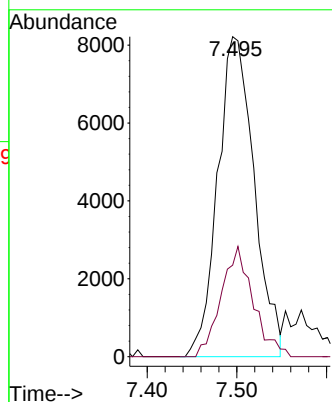
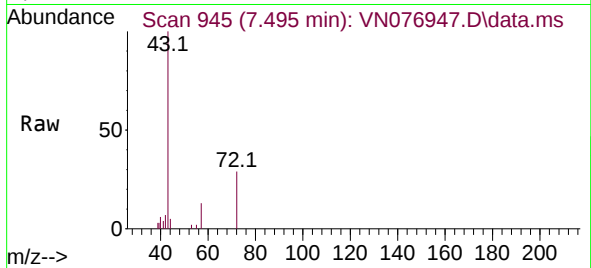




#25
2-Butanone
Concen: 7.592 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

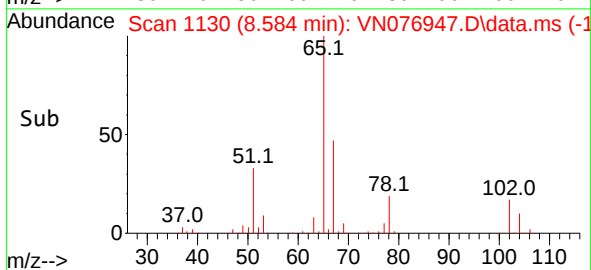
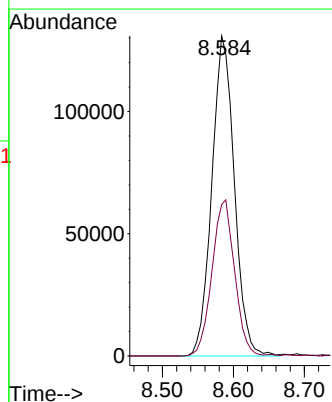
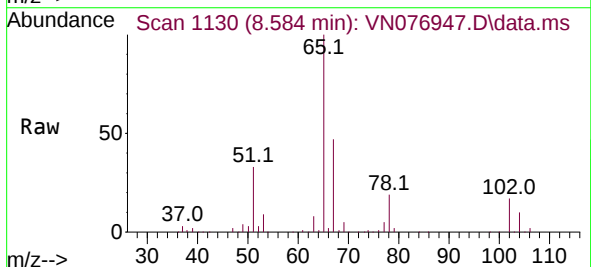
Instrument :
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ClientSampleId :
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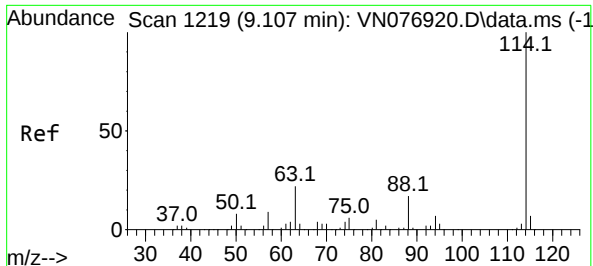
Tgt Ion: 43 Resp: 23166
Ion Ratio Lower Upper
43 100
72 28.6 28.8 43.2#



#33
1,2-Dichloroethane-d4
Concen: 46.522 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 65 Resp: 288027
Ion Ratio Lower Upper
65 100
67 48.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

33907

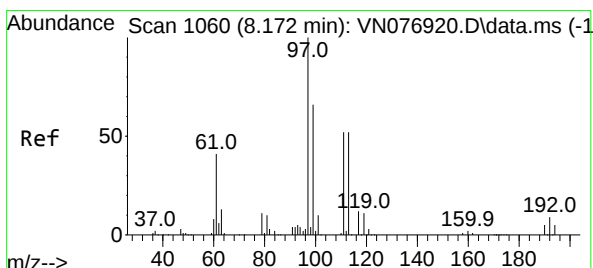
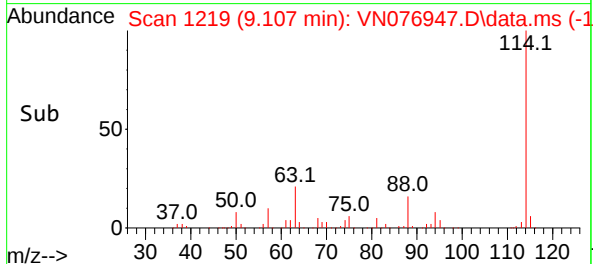
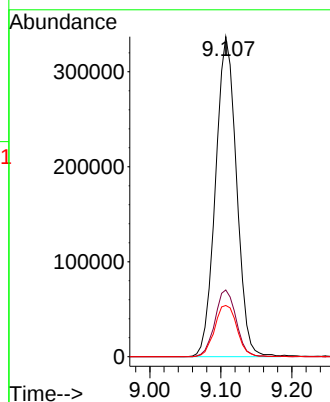
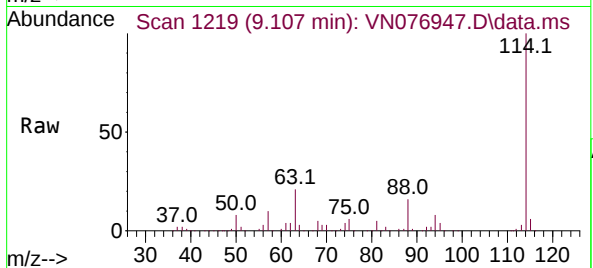
Tgt Ion:114 Resp: 690737

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.6

88 16.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.472 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

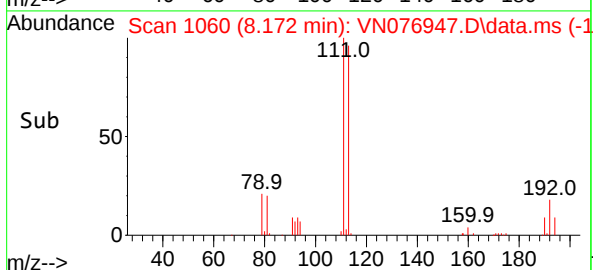
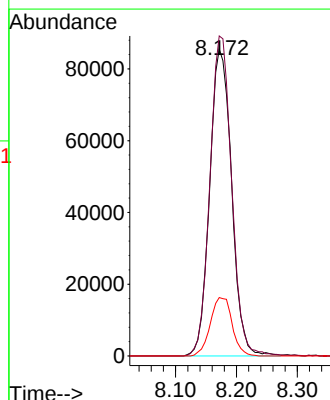
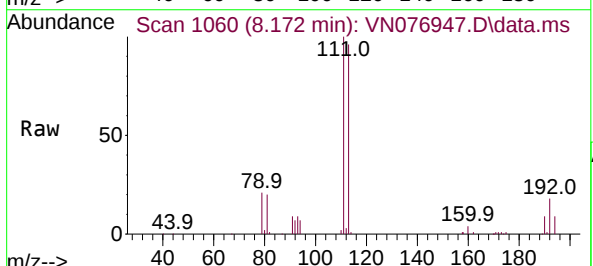
Tgt Ion:113 Resp: 213936

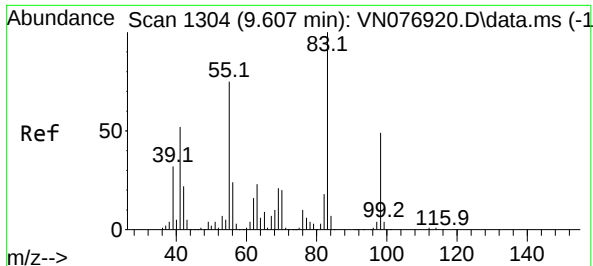
Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

192 18.9 13.9 20.9





#39

Methylcyclohexane

Concen: 0.504 ug/l

RT: 9.607 min Scan# 11304

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

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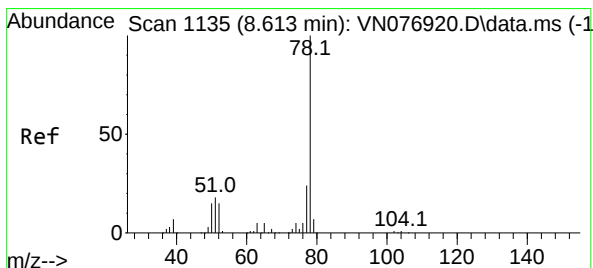
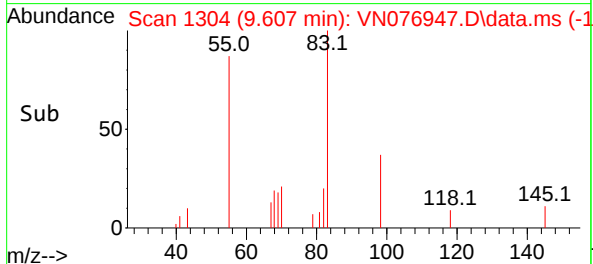
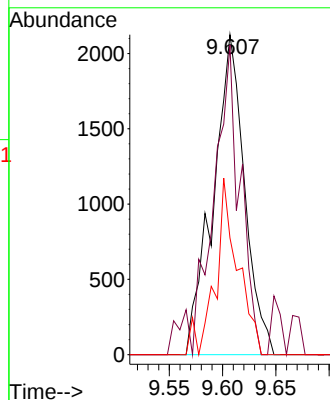
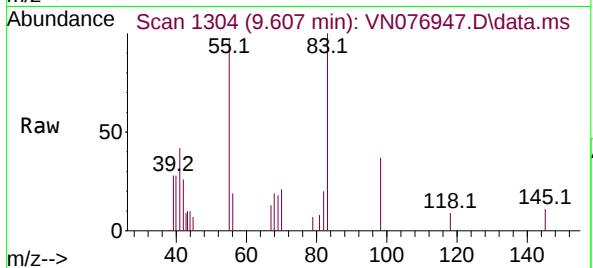
Tgt Ion: 83 Resp: 4358

Ion Ratio Lower Upper

83 100

55 89.0 47.0 70.4#

98 36.5 39.4 59.0#



#40

Benzene

Concen: 20.887 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN076947.D

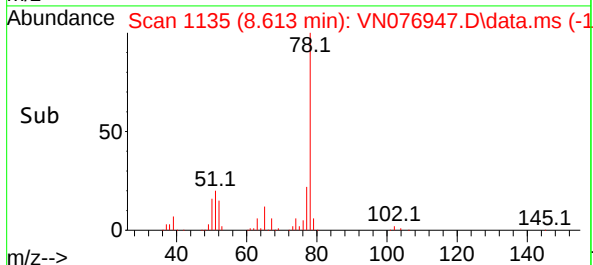
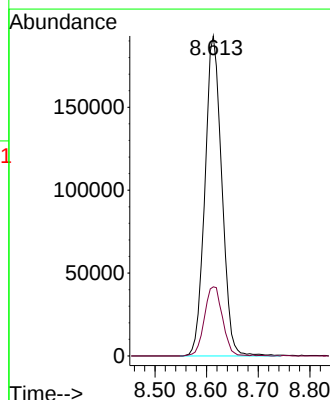
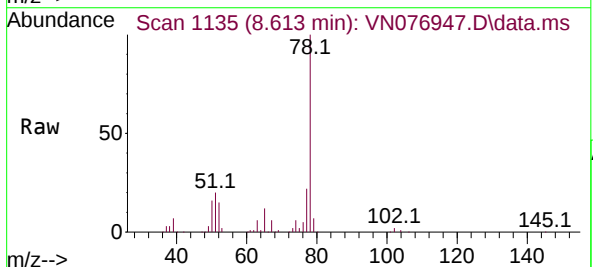
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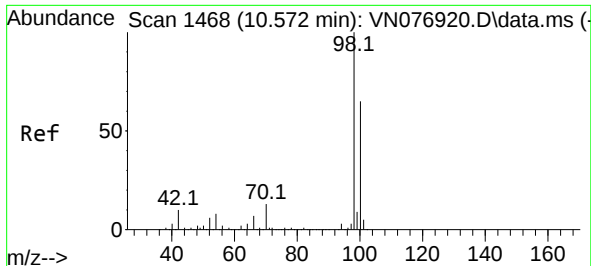
Tgt Ion: 78 Resp: 438348

Ion Ratio Lower Upper

78 100

77 21.6 19.3 28.9

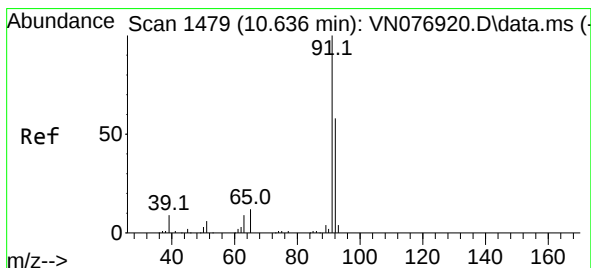
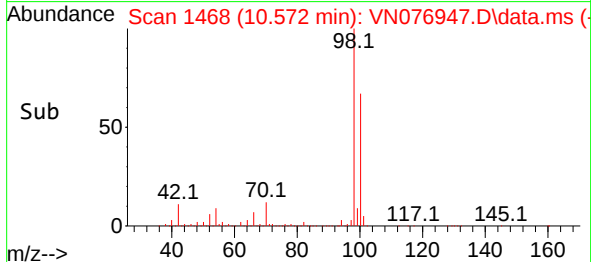
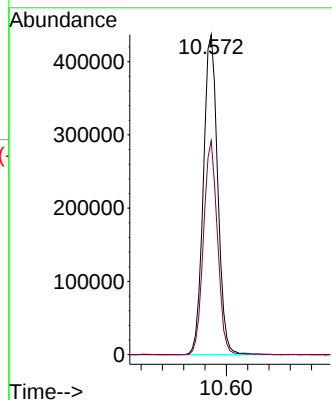
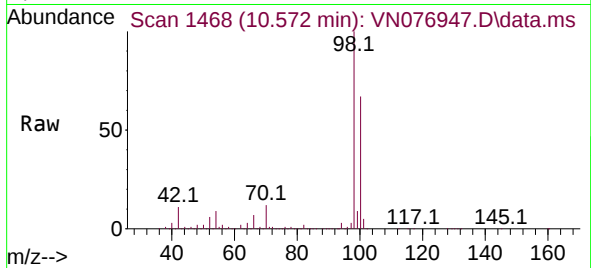




#50
Toluene-d8
Concen: 47.932 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

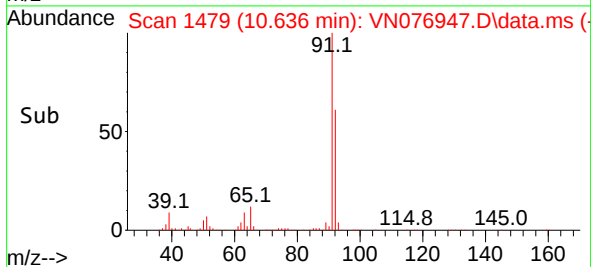
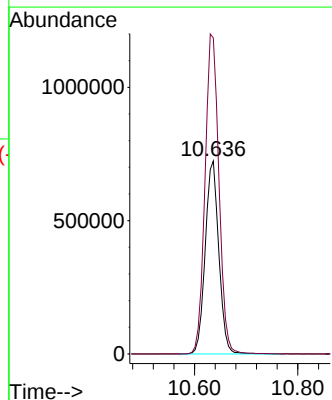
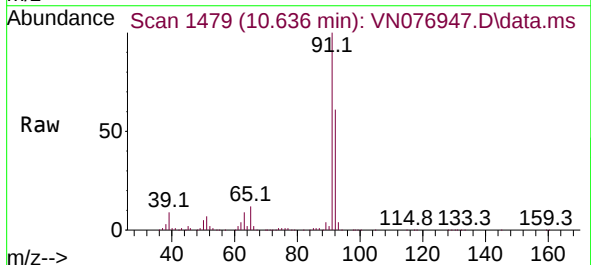
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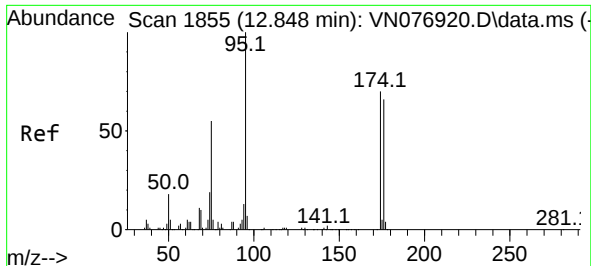
Tgt Ion: 98 Resp: 813227
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



#52
Toluene
Concen: 102.032 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 92 Resp: 1317896
Ion Ratio Lower Upper
92 100
91 170.3 138.2 207.2

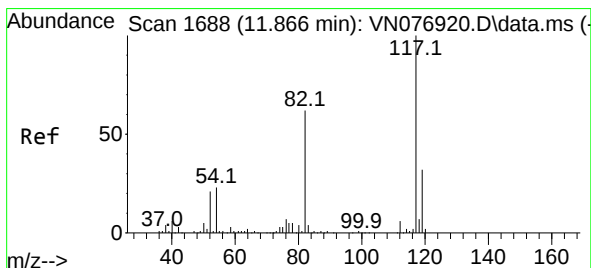
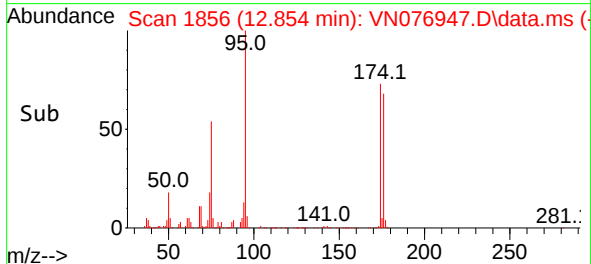
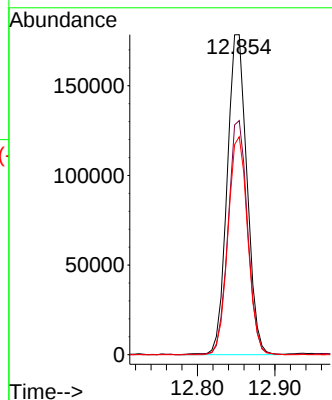
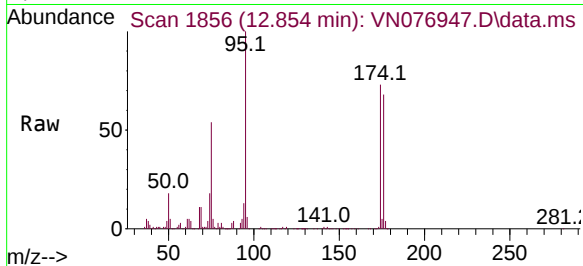




#62
4-Bromofluorobenzene
Concen: 51.184 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

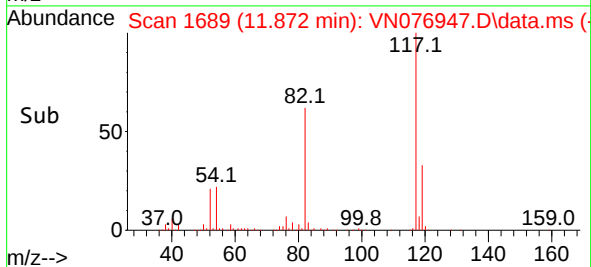
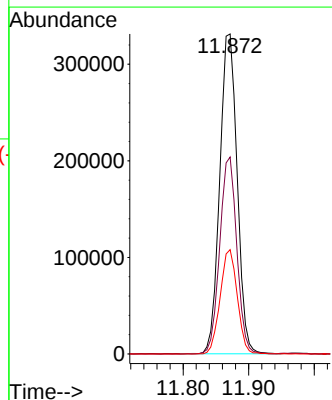
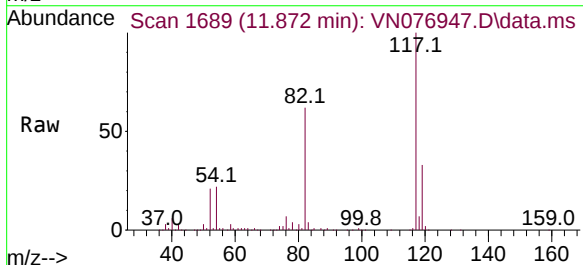
Instrument :
MSVOA_N
ClientSampleId :
33907

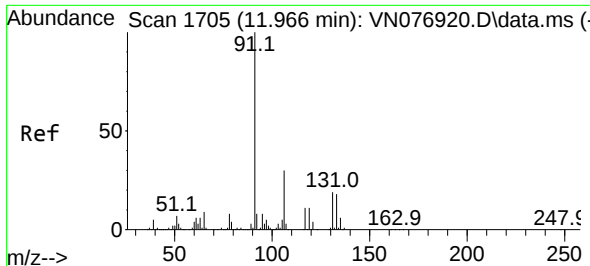
Tgt Ion: 95 Resp: 317630
Ion Ratio Lower Upper
95 100
174 72.0 0.0 162.4
176 67.7 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 117 Resp: 608172
Ion Ratio Lower Upper
117 100
82 61.6 43.5 65.3
119 32.6 25.5 38.3

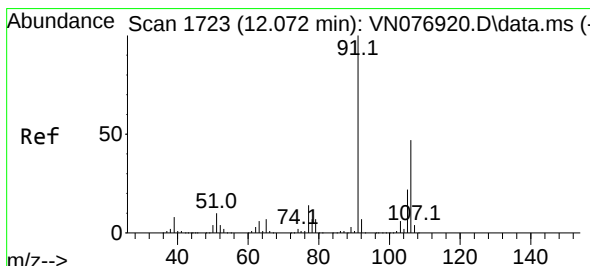
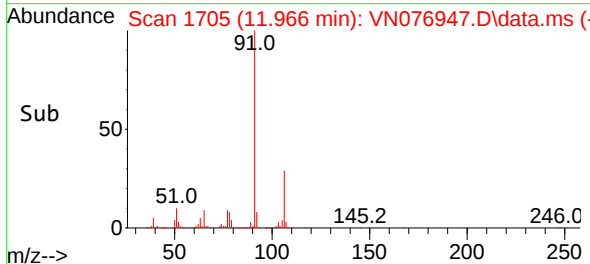
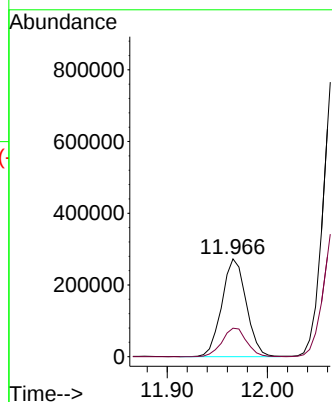
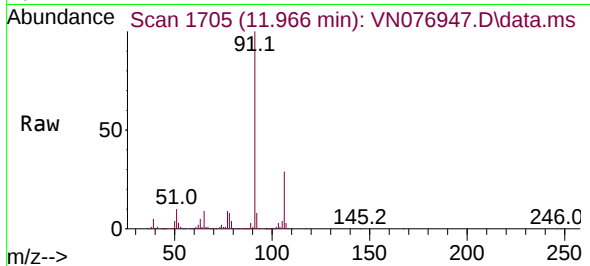




#67
Ethyl Benzene
Concen: 18.423 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

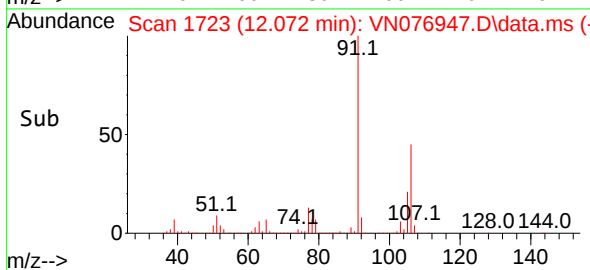
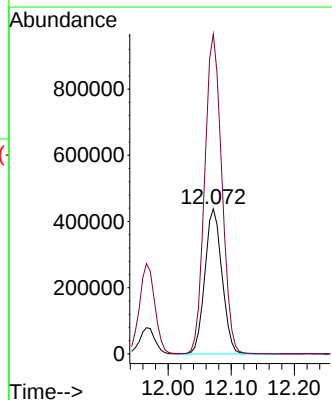
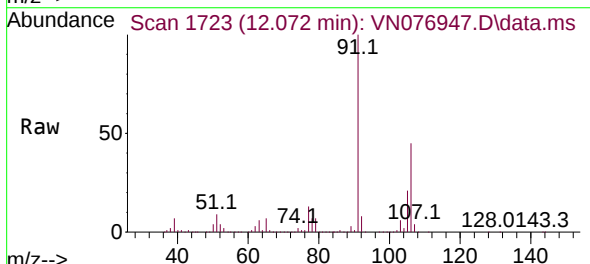
Instrument :
MSVOA_N
ClientSampleId :
33907

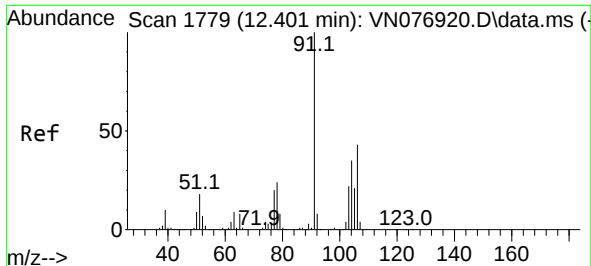
Tgt Ion: 91 Resp: 460834
Ion Ratio Lower Upper
91 100
106 29.2 25.1 37.7



#68
m/p-Xylenes
Concen: 87.923 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 106 Resp: 826646
Ion Ratio Lower Upper
106 100
91 220.2 158.0 237.0

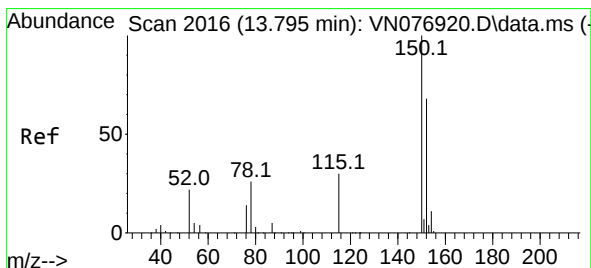
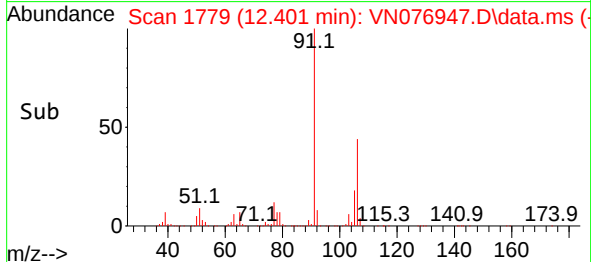
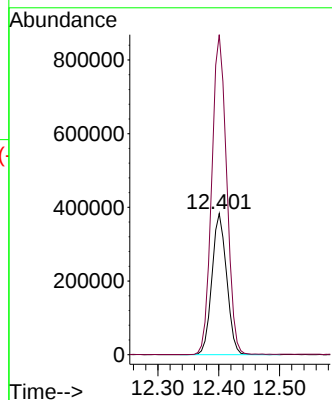
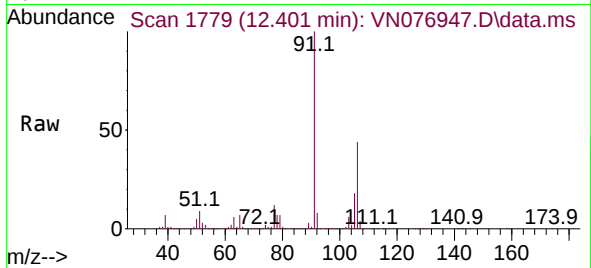




#69
o-Xylene
Concen: 70.373 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

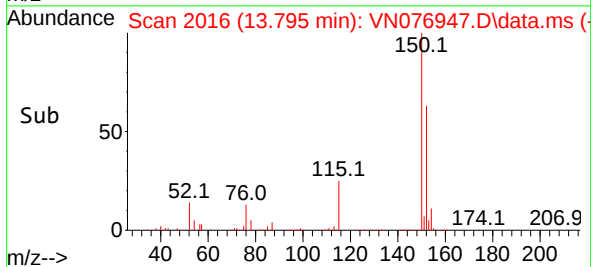
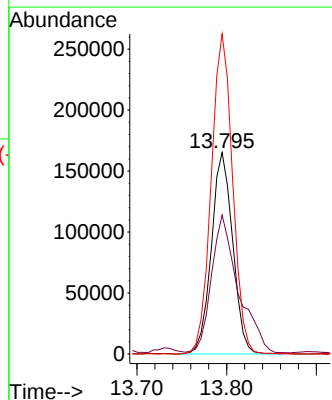
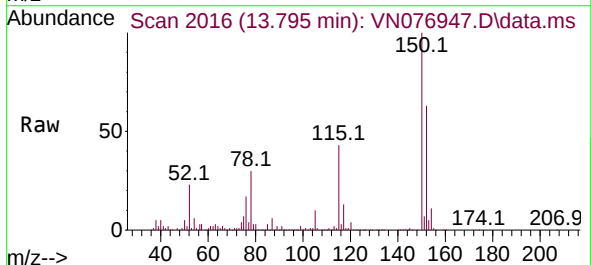
Instrument :
MSVOA_N
ClientSampleId :
33907

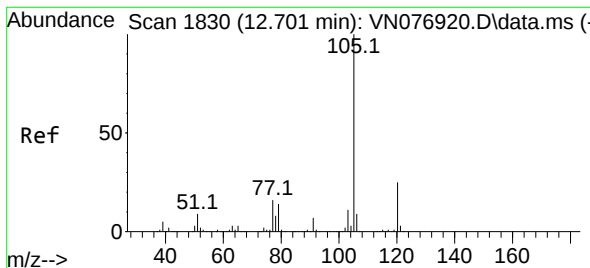
Tgt Ion:106 Resp: 642332
Ion Ratio Lower Upper
106 100
91 230.3 101.8 305.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion:152 Resp: 272401
Ion Ratio Lower Upper
152 100
115 86.2 30.3 90.9
150 159.1 0.0 353.6





#73

Isopropylbenzene

Concen: 4.769 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

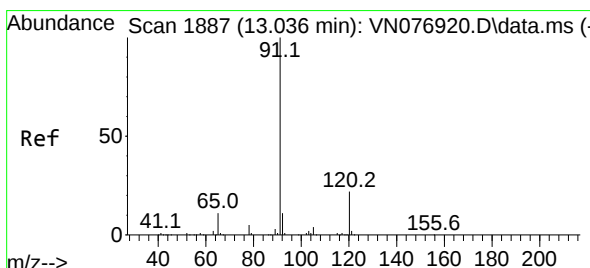
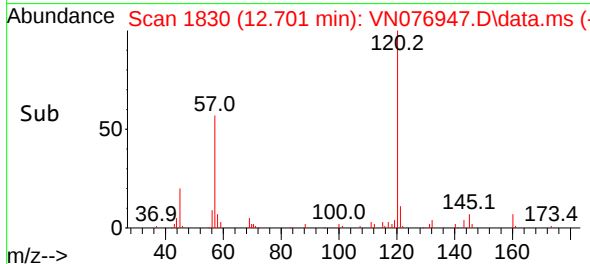
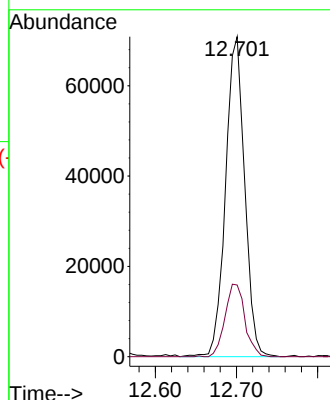
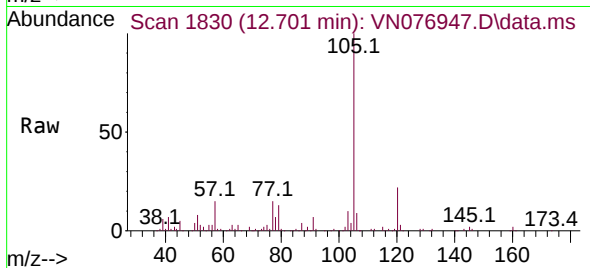
33907

Tgt Ion:105 Resp: 115763

Ion Ratio Lower Upper

105 100

120 23.6 13.8 41.4



#78

n-propylbenzene

Concen: 15.515 ug/l

RT: 13.042 min Scan# 1888

Delta R.T. 0.006 min

Lab File: VN076947.D

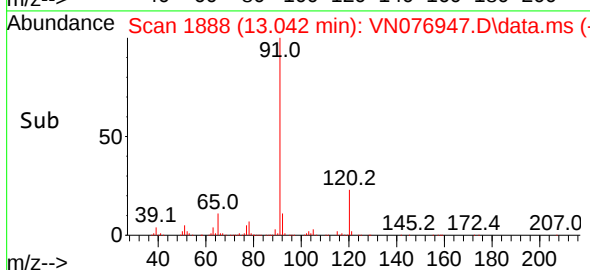
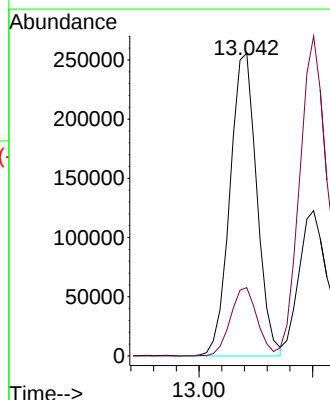
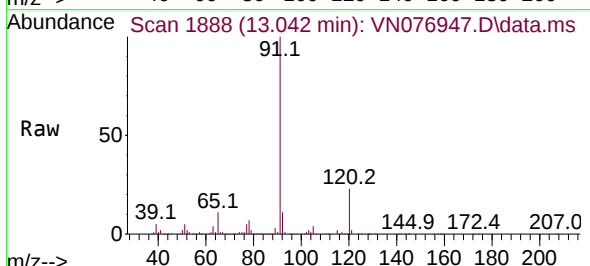
Acq: 11 Mar 2023 00:28

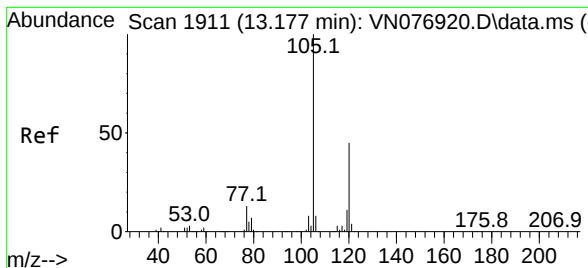
Tgt Ion: 91 Resp: 419360

Ion Ratio Lower Upper

91 100

120 22.4 11.9 35.7





#80

1,3,5-Trimethylbenzene

Concen: 33.357 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

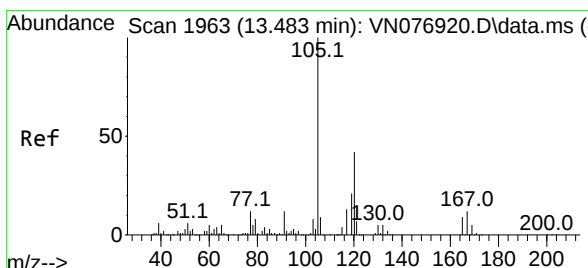
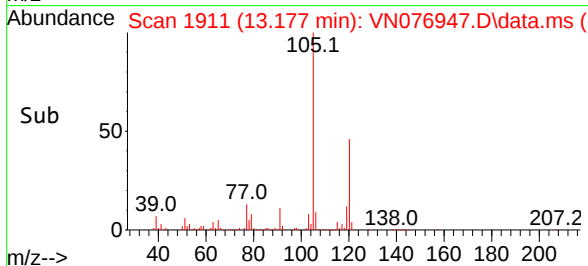
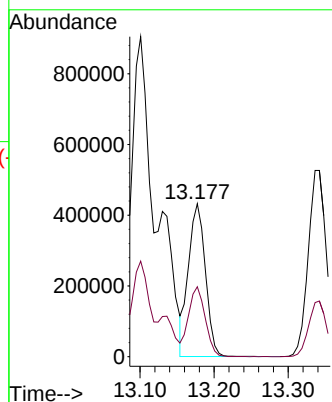
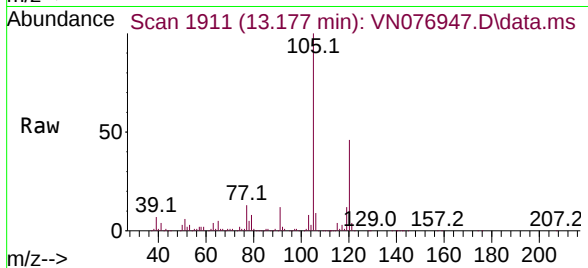
33907

Tgt Ion:105 Resp: 689696

Ion Ratio Lower Upper

105 100

120 44.9 25.2 75.6



#84

1,2,4-Trimethylbenzene

Concen: 137.317 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN076947.D

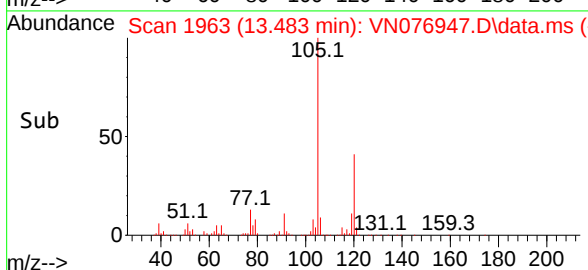
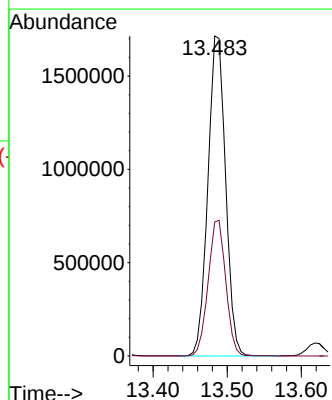
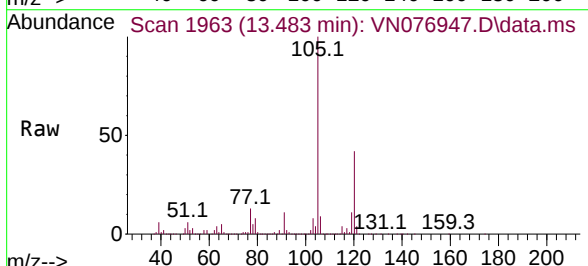
Acq: 11 Mar 2023 00:28

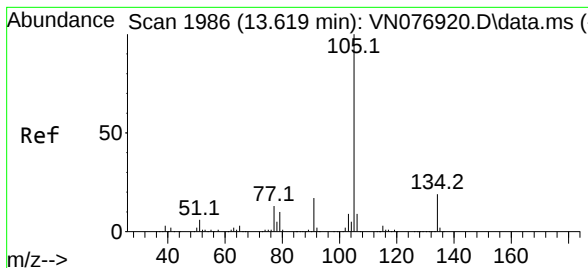
Tgt Ion:105 Resp: 2840586

Ion Ratio Lower Upper

105 100

120 42.3 23.6 70.8

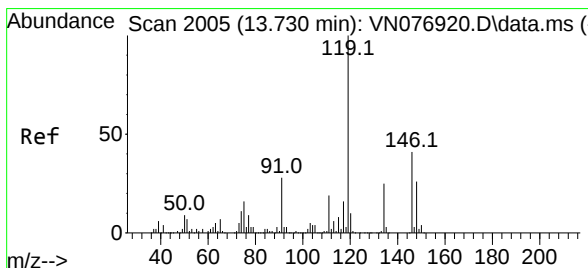
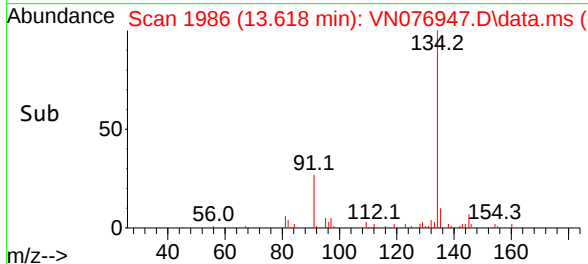
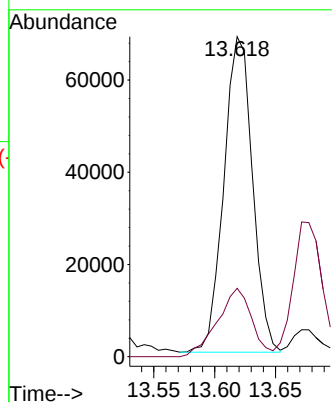
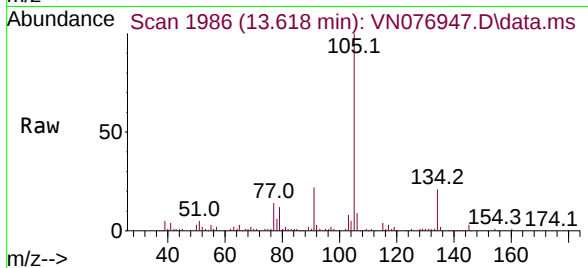




#85
 sec-Butylbenzene
 Concen: 4.662 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

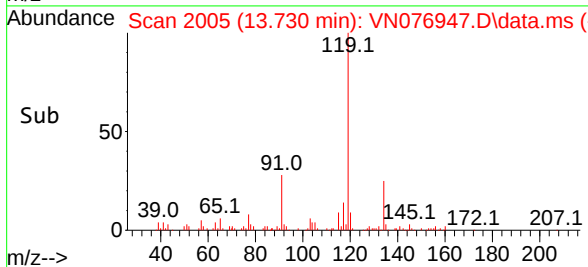
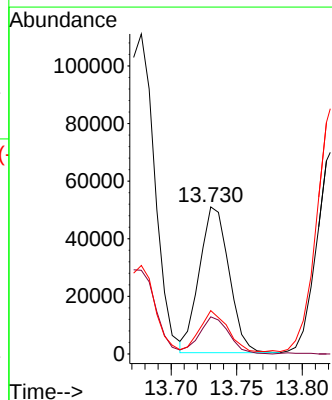
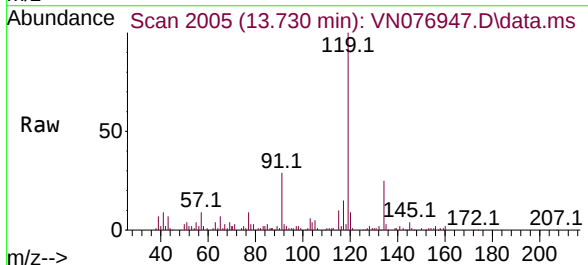
Instrument :
 MSVOA_N
 ClientSampleId :
 33907

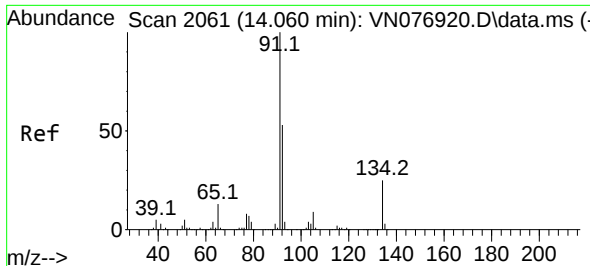
Tgt Ion:105 Resp: 112252
 Ion Ratio Lower Upper
 105 100
 134 25.9 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 4.106 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

Tgt Ion:119 Resp: 79830
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.5 40.5
 91 26.2 11.2 33.6

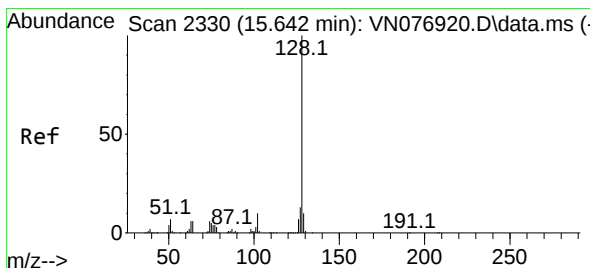
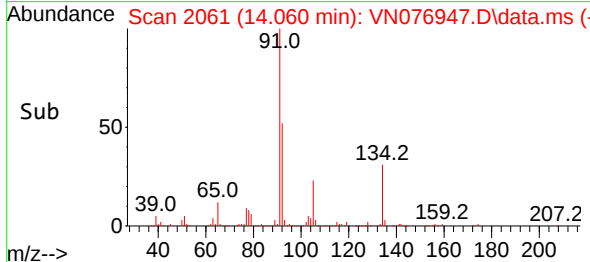
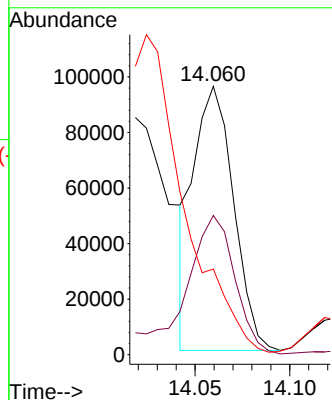
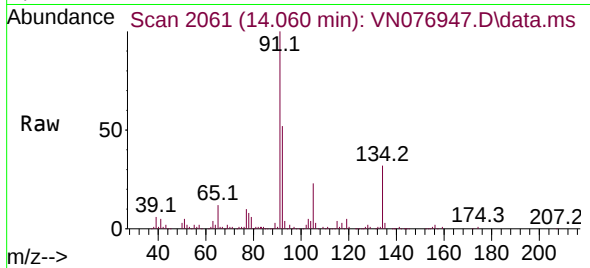




#89
n-Butylbenzene
Concen: 8.600 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Instrument :
MSVOA_N
ClientSampleId :
33907

Tgt Ion: 91 Resp: 139544
Ion Ratio Lower Upper
91 100
92 61.4 26.6 79.7
134 0.0 13.6 40.7#



#95
Naphthalene
Concen: 55.847 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion:128 Resp: 918198
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.2 8.9 13.3

