

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076665.D
 Acq On : 14 Feb 2023 17:00
 Operator : JC\MD
 Sample : 01549-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1831

Quant Time: Feb 15 03:15:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

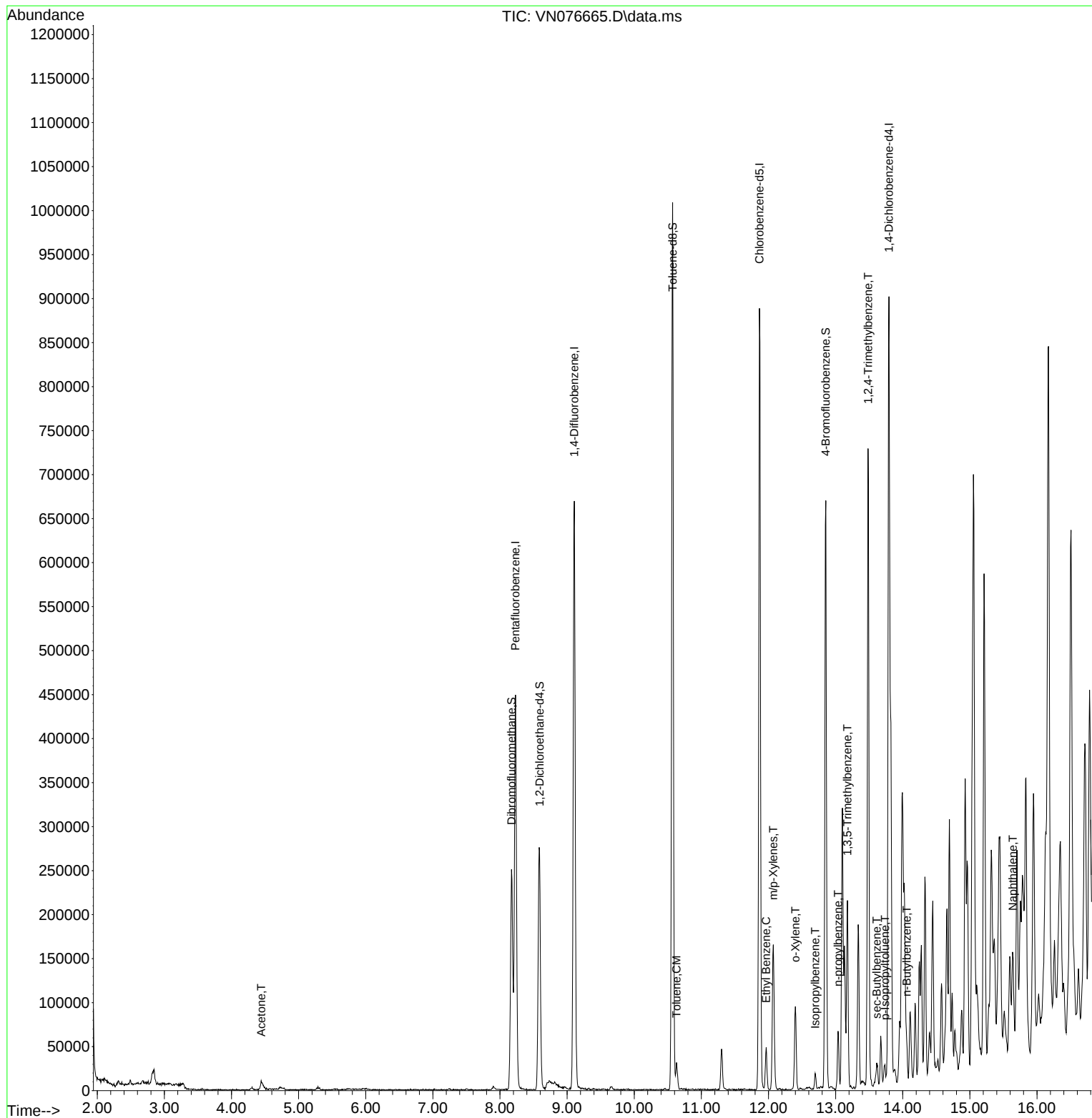
Internal Standards						
1) Pentafluorobenzene	8.230	168	309742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	561465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	494809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	227253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	221080	51.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.380%
35) Dibromofluoromethane	8.172	113	169832	46.188	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.380%
50) Toluene-d8	10.571	98	675570	49.198	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.400%
62) 4-Bromofluorobenzene	12.854	95	213580	46.961	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.920%
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	16729	8.756	ug/l	99
52) Toluene	10.630	92	10606	1.077	ug/l	97
67) Ethyl Benzene	11.965	91	30492	1.707	ug/l	93
68) m/p-Xylenes	12.071	106	52947	7.689	ug/l	98
69) o-Xylene	12.401	106	25886	3.854	ug/l	98
73) Isopropylbenzene	12.695	105	10569	0.635	ug/l	100
78) n-propylbenzene	13.036	91	48301	2.469	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	102691	7.460	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	398180	29.023	ug/l	99
85) sec-Butylbenzene	13.612	105	16012	0.921	ug/l	86
86) p-Isopropyltoluene	13.736	119	11751	0.846	ug/l	94
89) n-Butylbenzene	14.059	91	23012	1.906	ug/l #	67
95) Naphthalene	15.642	128	93112	7.638	ug/l	95

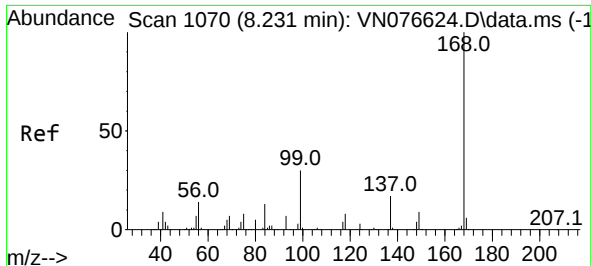
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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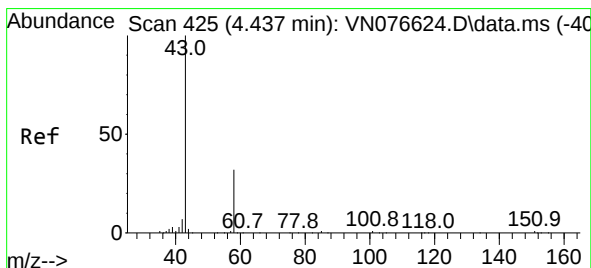
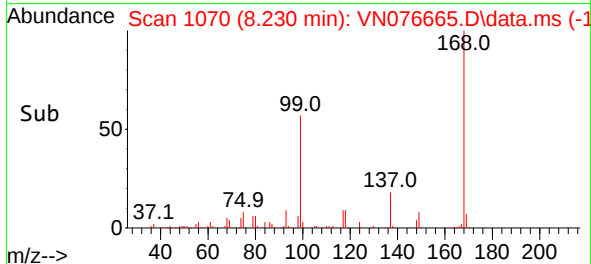
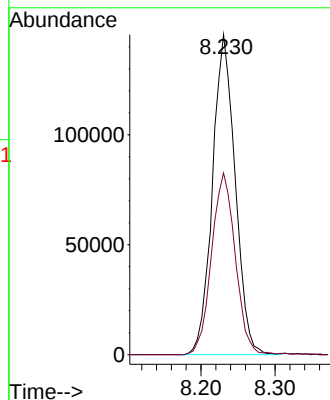
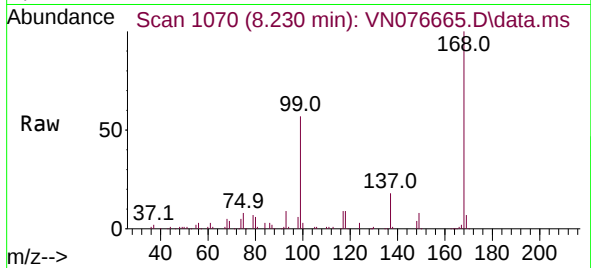




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

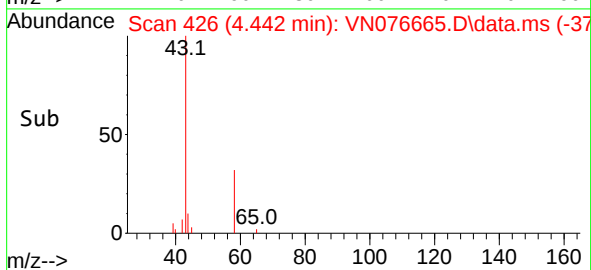
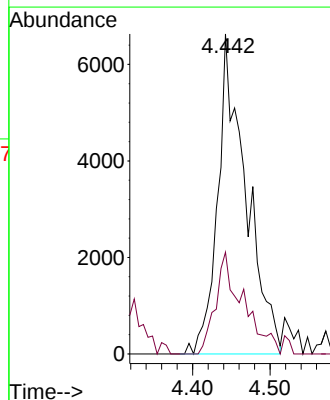
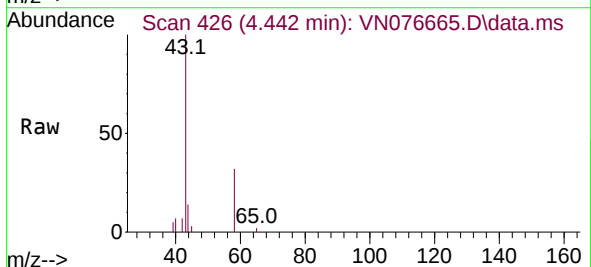
Instrument :
MSVOA_N
ClientSampleId :
1831

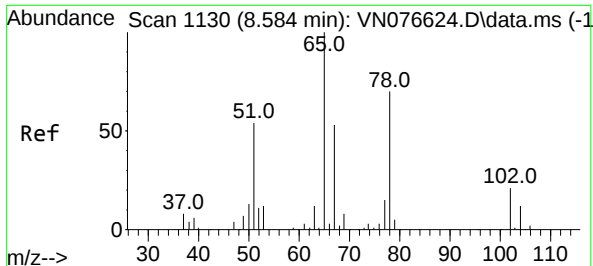
Tgt Ion:168 Resp: 309742
Ion Ratio Lower Upper
168 100
99 56.8 44.8 67.2



#16
Acetone
Concen: 8.756 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

Tgt Ion: 43 Resp: 16729
Ion Ratio Lower Upper
43 100
58 31.8 25.9 38.9





#33

1,2-Dichloroethane-d4

Concen: 51.689 ug/l

RT: 8.589 min Scan# 1131

Delta R.T. 0.005 min

Lab File: VN076665.D

Acq: 14 Feb 2023 17:00

Instrument :

MSVOA_N

ClientSampleId :

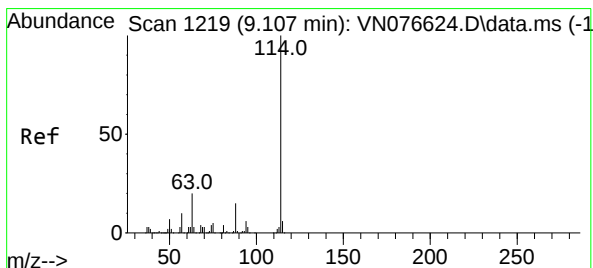
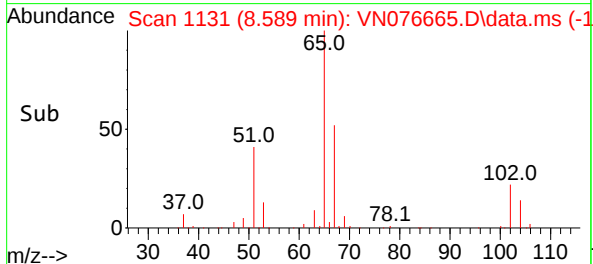
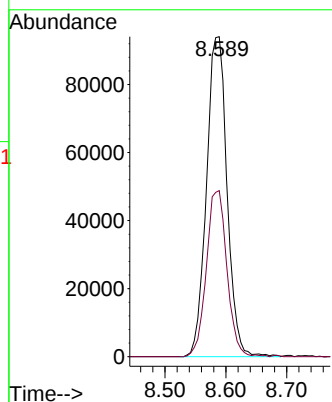
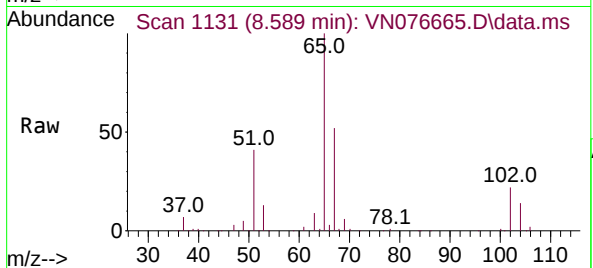
1831

Tgt Ion: 65 Resp: 221080

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076665.D

Acq: 14 Feb 2023 17:00

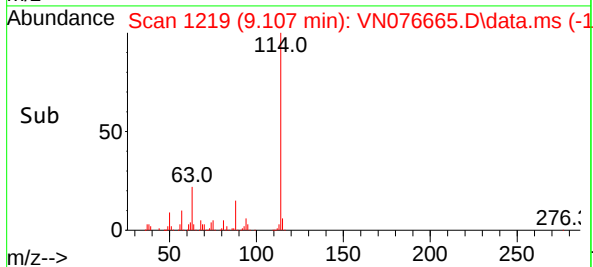
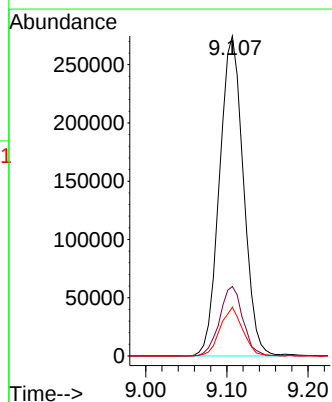
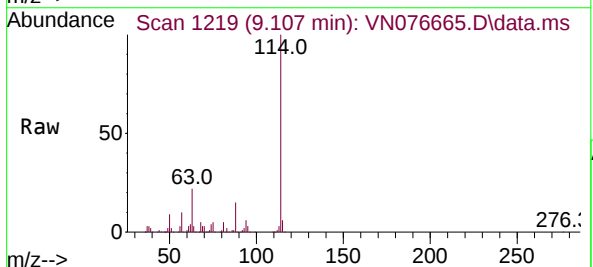
Tgt Ion: 114 Resp: 561465

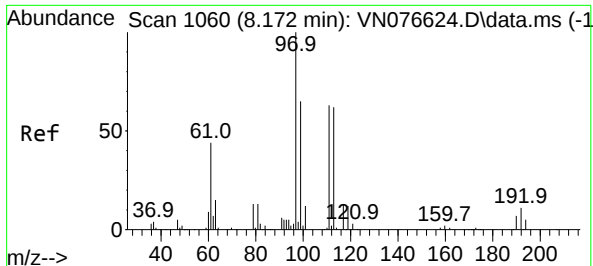
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 46.188 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076665.D

Acq: 14 Feb 2023 17:00

Instrument :

MSVOA_N

ClientSampleId :

1831

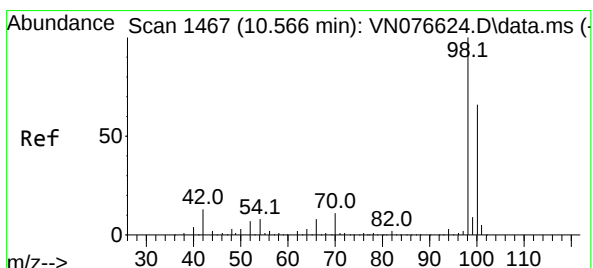
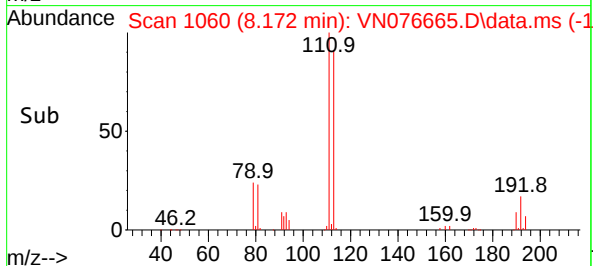
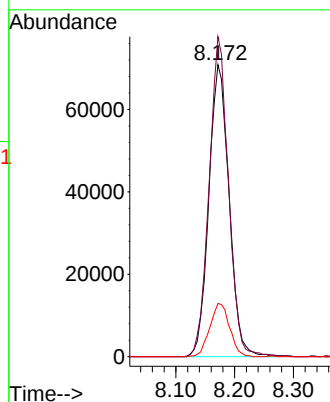
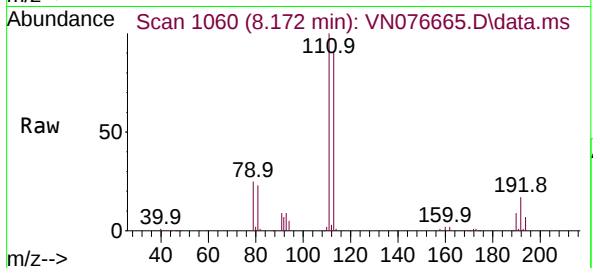
Tgt Ion:113 Resp: 169832

Ion Ratio Lower Upper

113 100

111 105.1 83.1 124.7

192 17.8 15.6 23.4



#50

Toluene-d8

Concen: 49.198 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.005 min

Lab File: VN076665.D

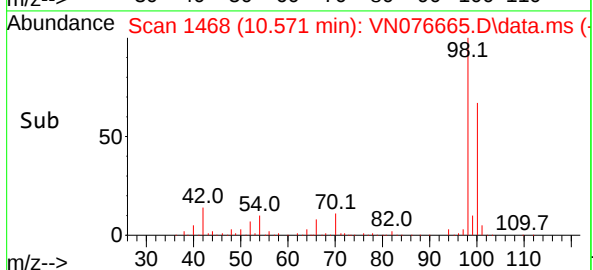
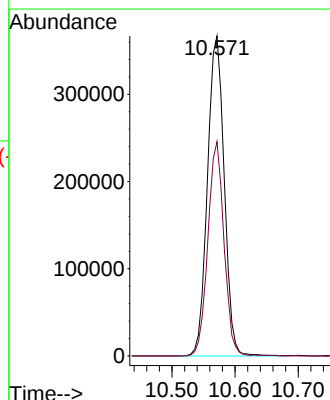
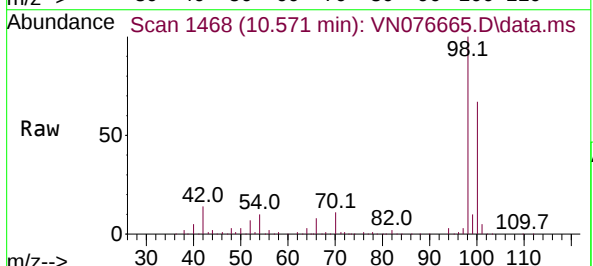
Acq: 14 Feb 2023 17:00

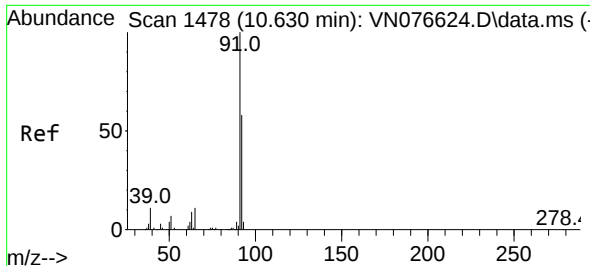
Tgt Ion: 98 Resp: 675570

Ion Ratio Lower Upper

98 100

100 64.4 52.9 79.3

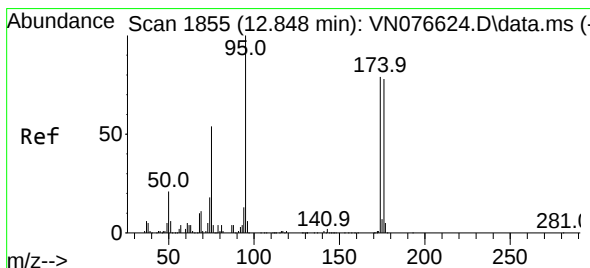
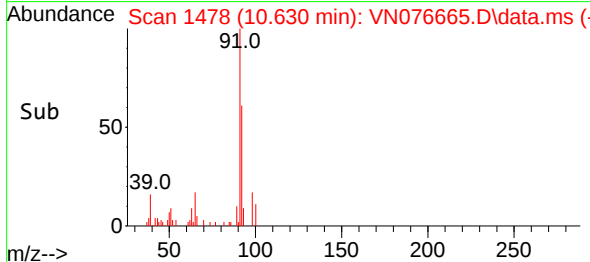
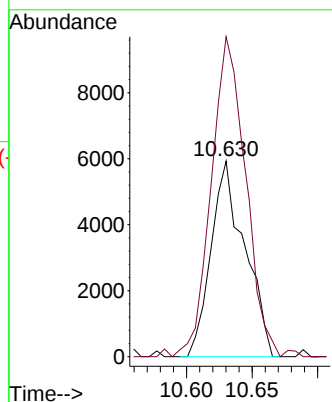
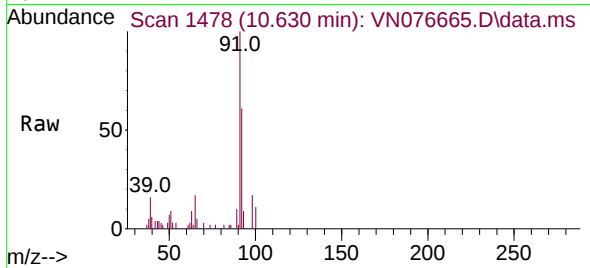




#52
Toluene
Concen: 1.077 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

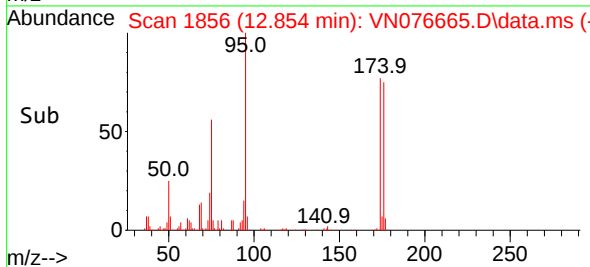
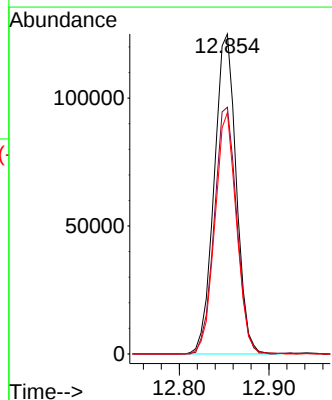
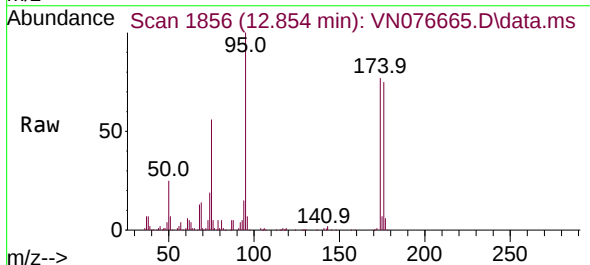
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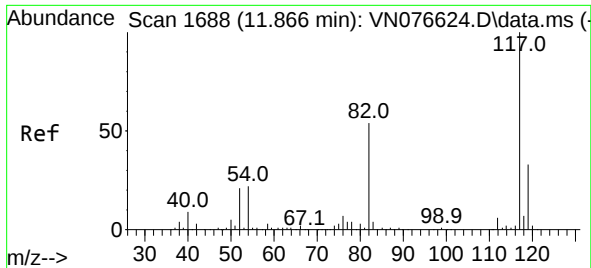
Tgt Ion: 92 Resp: 10606
Ion Ratio Lower Upper
92 100
91 168.3 138.0 207.0



#62
4-Bromofluorobenzene
Concen: 46.961 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

Tgt Ion: 95 Resp: 213580
Ion Ratio Lower Upper
95 100
174 78.5 0.0 169.2
176 73.8 0.0 163.4

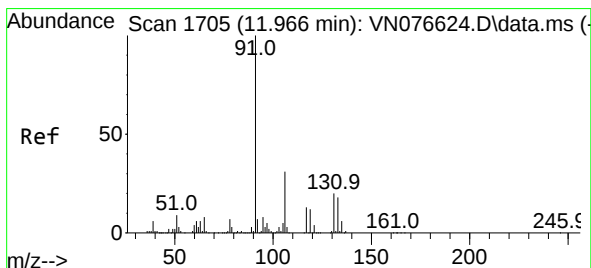
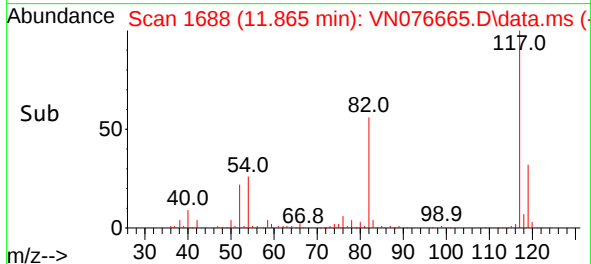
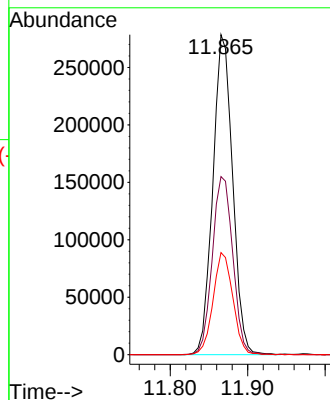
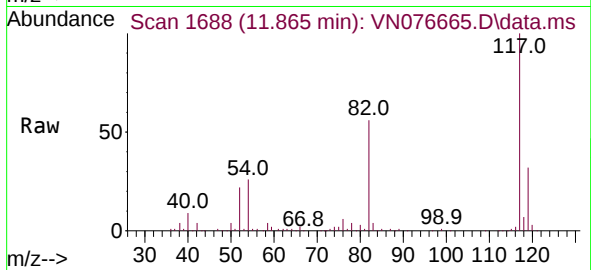




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11831
Delta R.T. -0.001 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

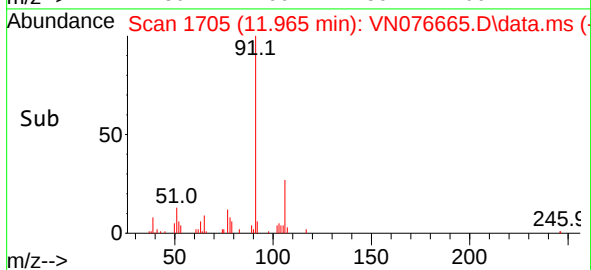
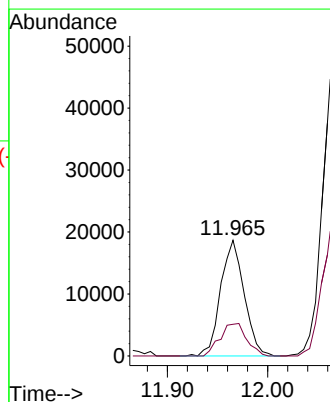
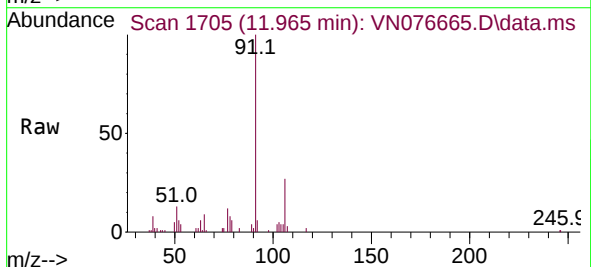
Instrument :
MSVOA_N
ClientSampleId :
1831

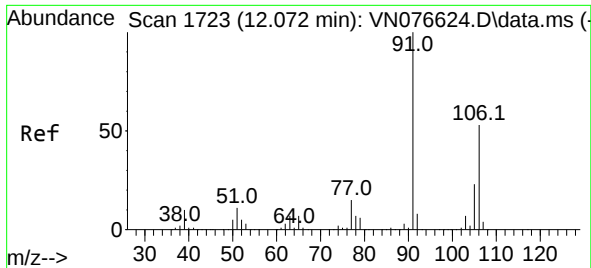
Tgt Ion:117 Resp: 494809
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.2
119 31.9 26.1 39.1



#67
Ethyl Benzene
Concen: 1.707 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.001 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

Tgt Ion: 91 Resp: 30492
Ion Ratio Lower Upper
91 100
106 27.4 25.1 37.7

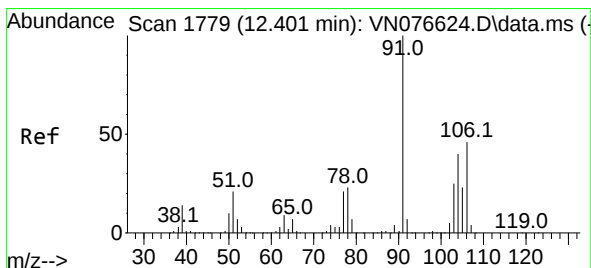
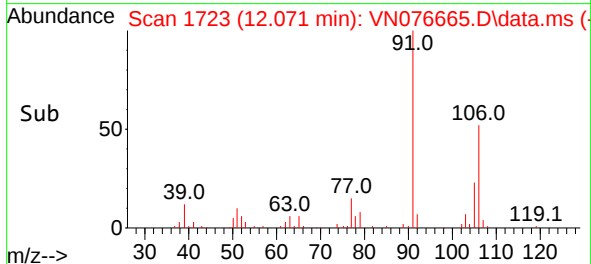
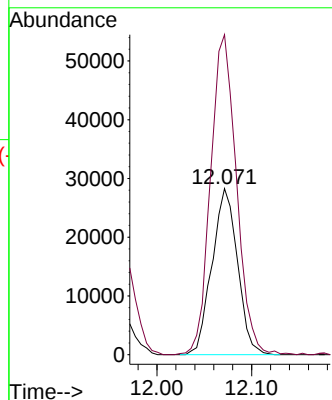
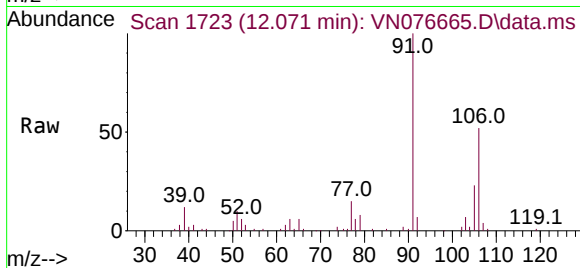




#68
m/p-Xylenes
Concen: 7.689 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

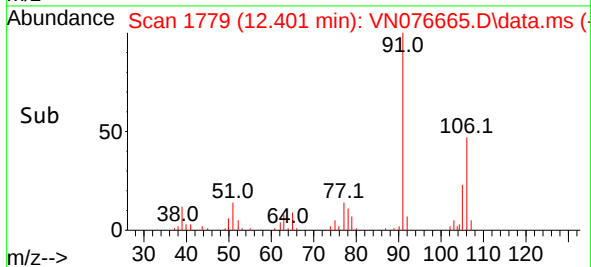
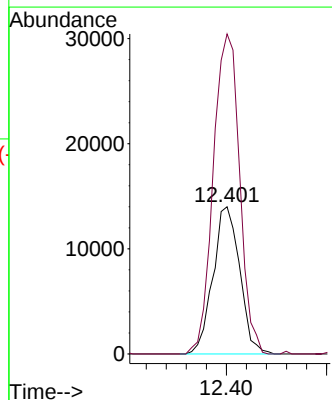
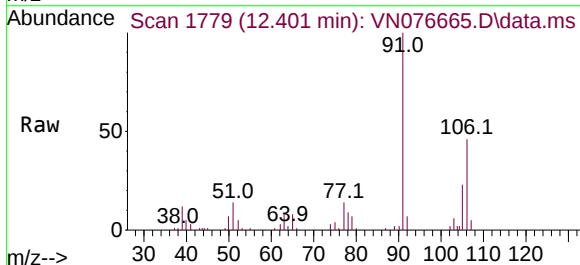
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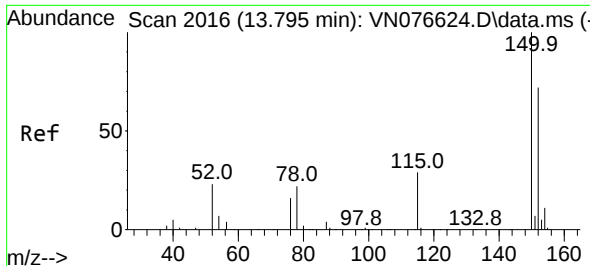
Tgt Ion:106 Resp: 52947
Ion Ratio Lower Upper
106 100
91 195.7 154.7 232.1



#69
o-Xylene
Concen: 3.854 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

Tgt Ion:106 Resp: 25886
Ion Ratio Lower Upper
106 100
91 214.4 105.8 317.4

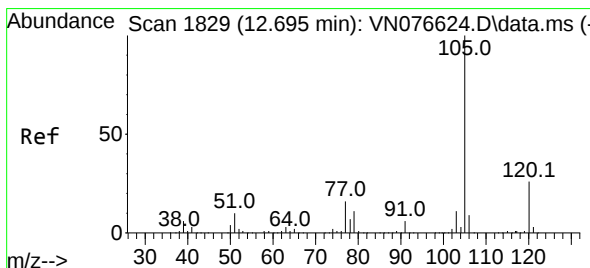
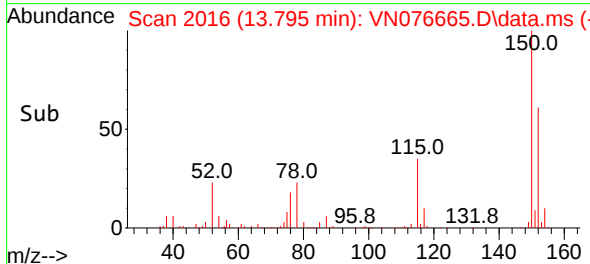
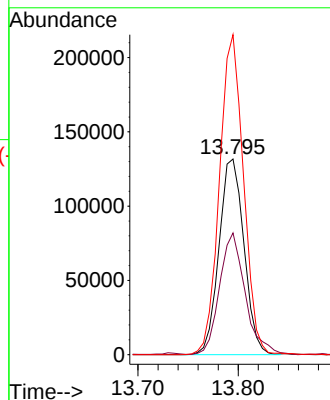
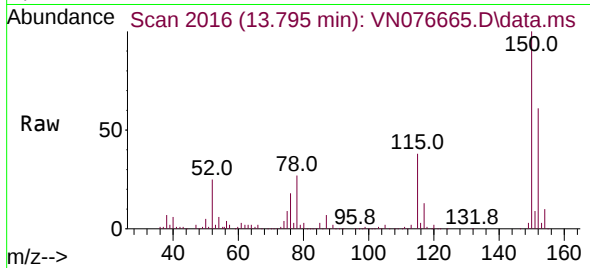




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

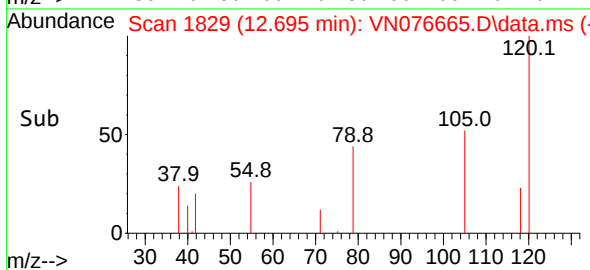
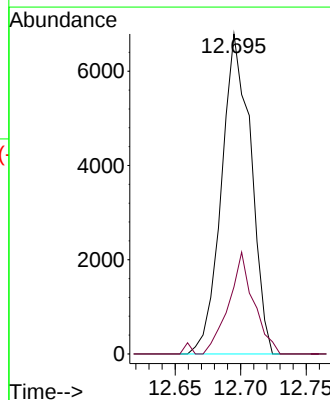
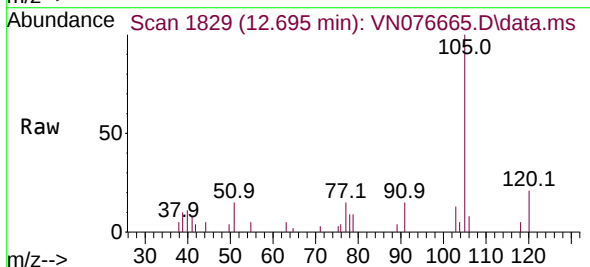
Instrument :
MSVOA_N
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1831

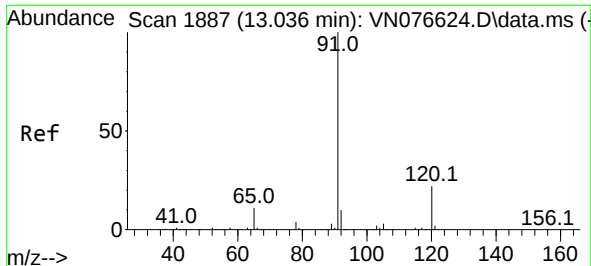
Tgt Ion:152 Resp: 227253
Ion Ratio Lower Upper
152 100
115 64.1 29.3 87.9
150 157.8 0.0 349.8



#73
Isopropylbenzene
Concen: 0.635 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. -0.000 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

Tgt Ion:105 Resp: 10569
Ion Ratio Lower Upper
105 100
120 27.2 13.7 41.0

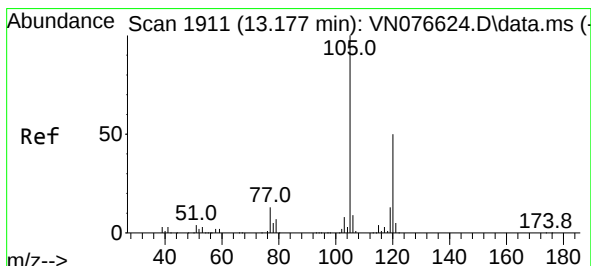
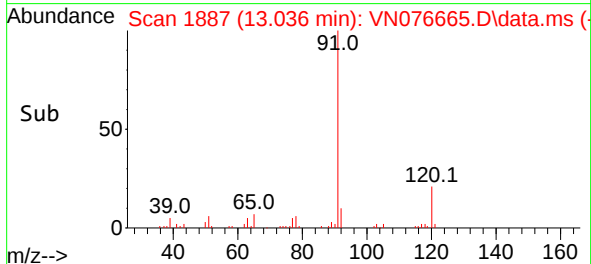
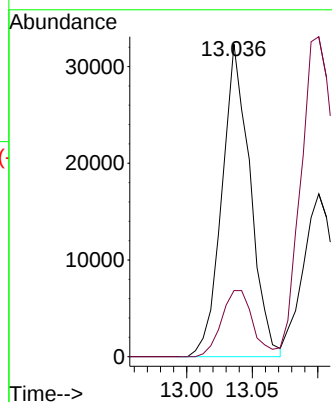
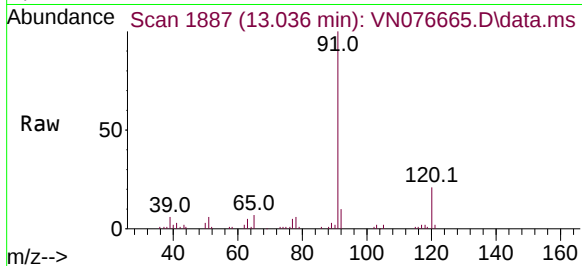




#78
n-propylbenzene
Concen: 2.469 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

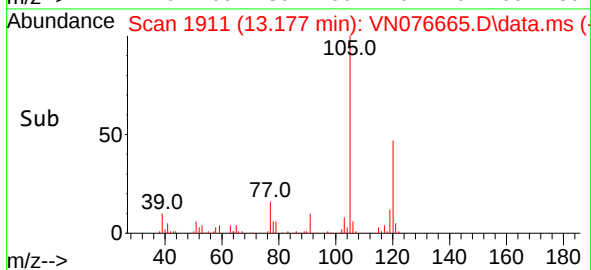
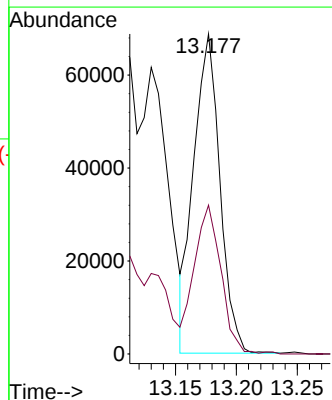
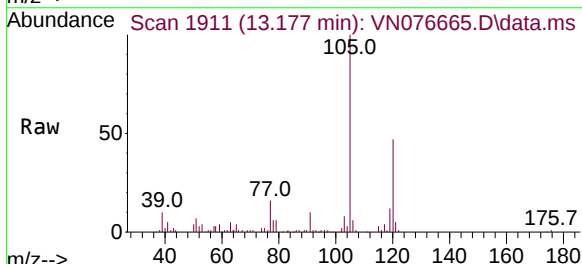
Instrument :
MSVOA_N
ClientSampleId :
1831

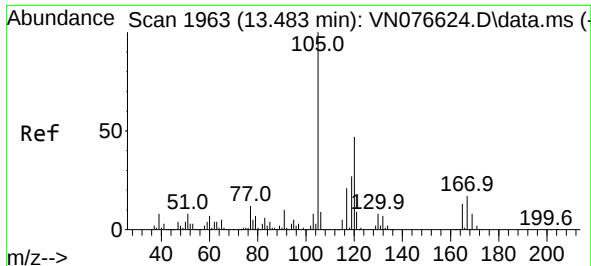
Tgt Ion: 91 Resp: 48301
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 7.460 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

Tgt Ion:105 Resp: 102691
Ion Ratio Lower Upper
105 100
120 48.0 25.1 75.4

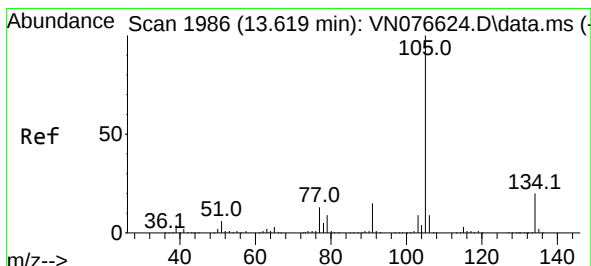
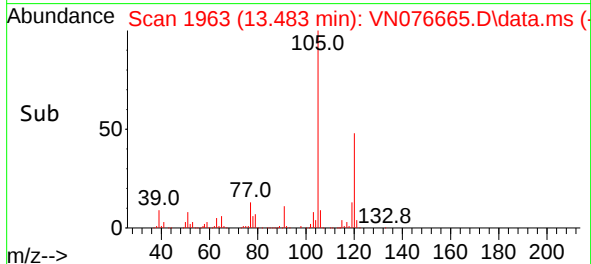
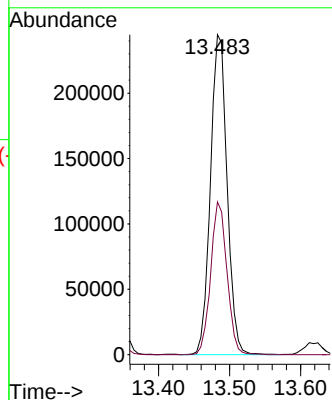
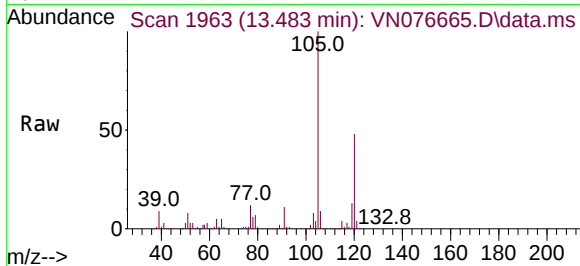




#84
1,2,4-Trimethylbenzene
Concen: 29.023 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. -0.000 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

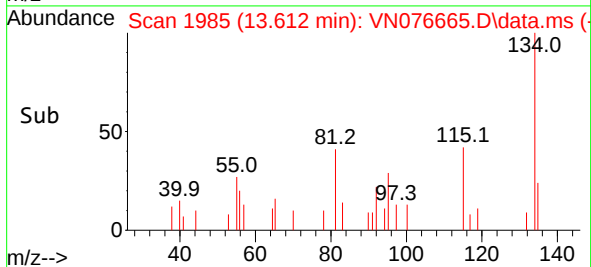
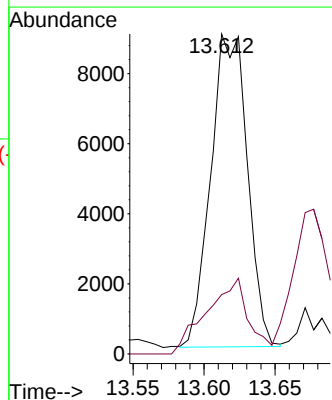
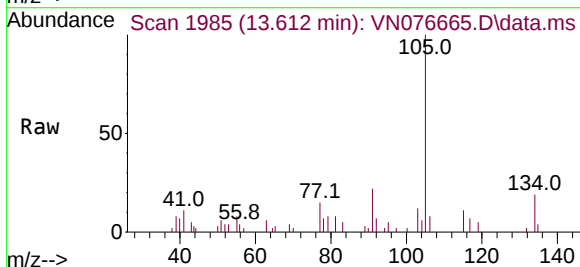
Instrument :
MSVOA_N
ClientSampleId :
1831

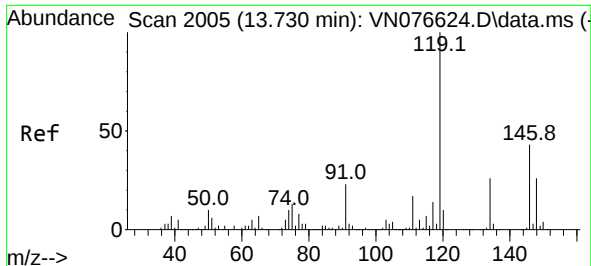
Tgt Ion:105 Resp: 398180
Ion Ratio Lower Upper
105 100
120 46.7 23.0 69.0



#85
sec-Butylbenzene
Concen: 0.921 ug/l
RT: 13.612 min Scan# 1985
Delta R.T. -0.007 min
Lab File: VN076665.D
Acq: 14 Feb 2023 17:00

Tgt Ion:105 Resp: 16012
Ion Ratio Lower Upper
105 100
134 27.6 10.5 31.5





#86

p-Isopropyltoluene

Concen: 0.846 ug/l

RT: 13.736 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VN076665.D

Acq: 14 Feb 2023 17:00

Instrument :

MSVOA_N

ClientSampleId :

1831

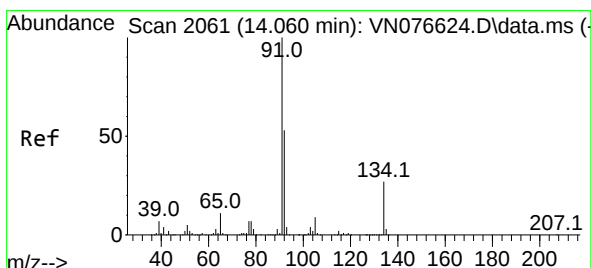
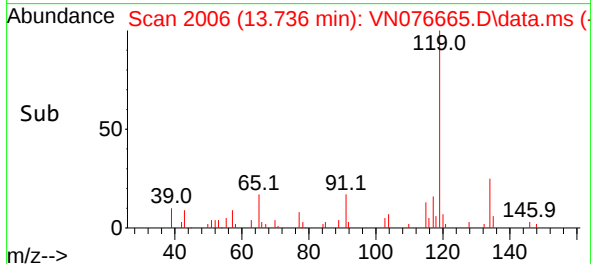
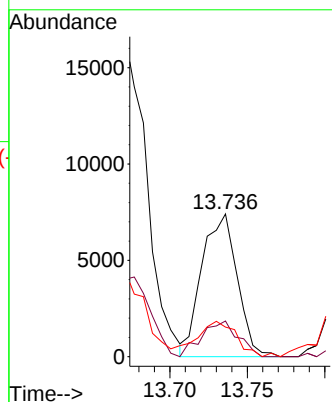
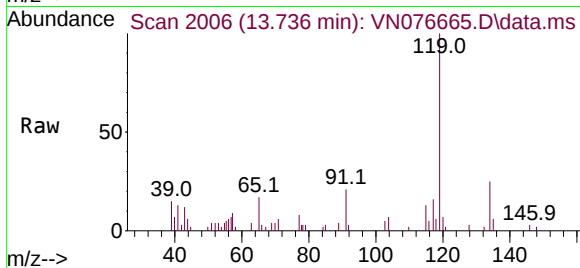
Tgt Ion:119 Resp: 11751

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

91 28.5 11.7 35.0



#89

n-Butylbenzene

Concen: 1.906 ug/l

RT: 14.059 min Scan# 2061

Delta R.T. -0.001 min

Lab File: VN076665.D

Acq: 14 Feb 2023 17:00

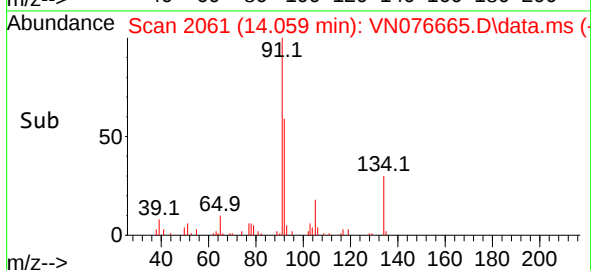
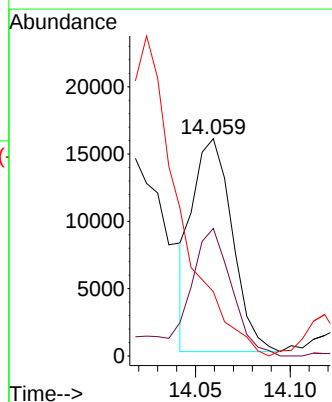
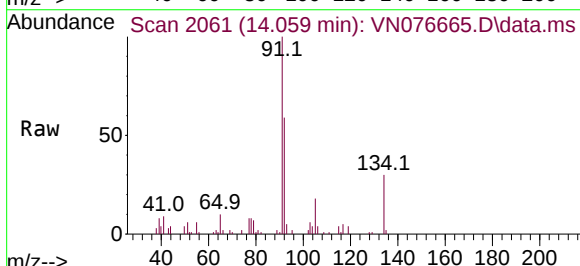
Tgt Ion: 91 Resp: 23012

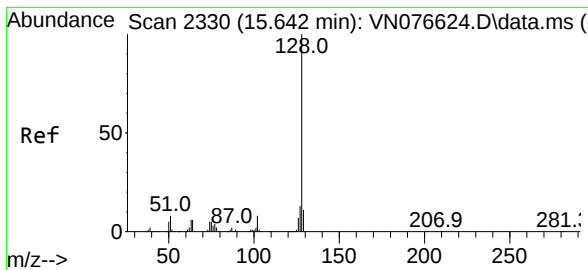
Ion Ratio Lower Upper

91 100

92 69.2 26.4 79.0

134 0.0 13.2 39.5#





#95
 Naphthalene
 Concen: 7.638 ug/l
 RT: 15.642 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076665.D
 Acq: 14 Feb 2023 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 1831

Tgt Ion:	128	Resp:	93112
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.6	16.0
129	12.7	8.6	13.0

