

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122221\
 Data File : VN070295.D
 Acq On : 22 Dec 2021 17:44
 Operator : JC/MD
 Sample : M5142-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 A2RE

Quant Time: Dec 23 04:38:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

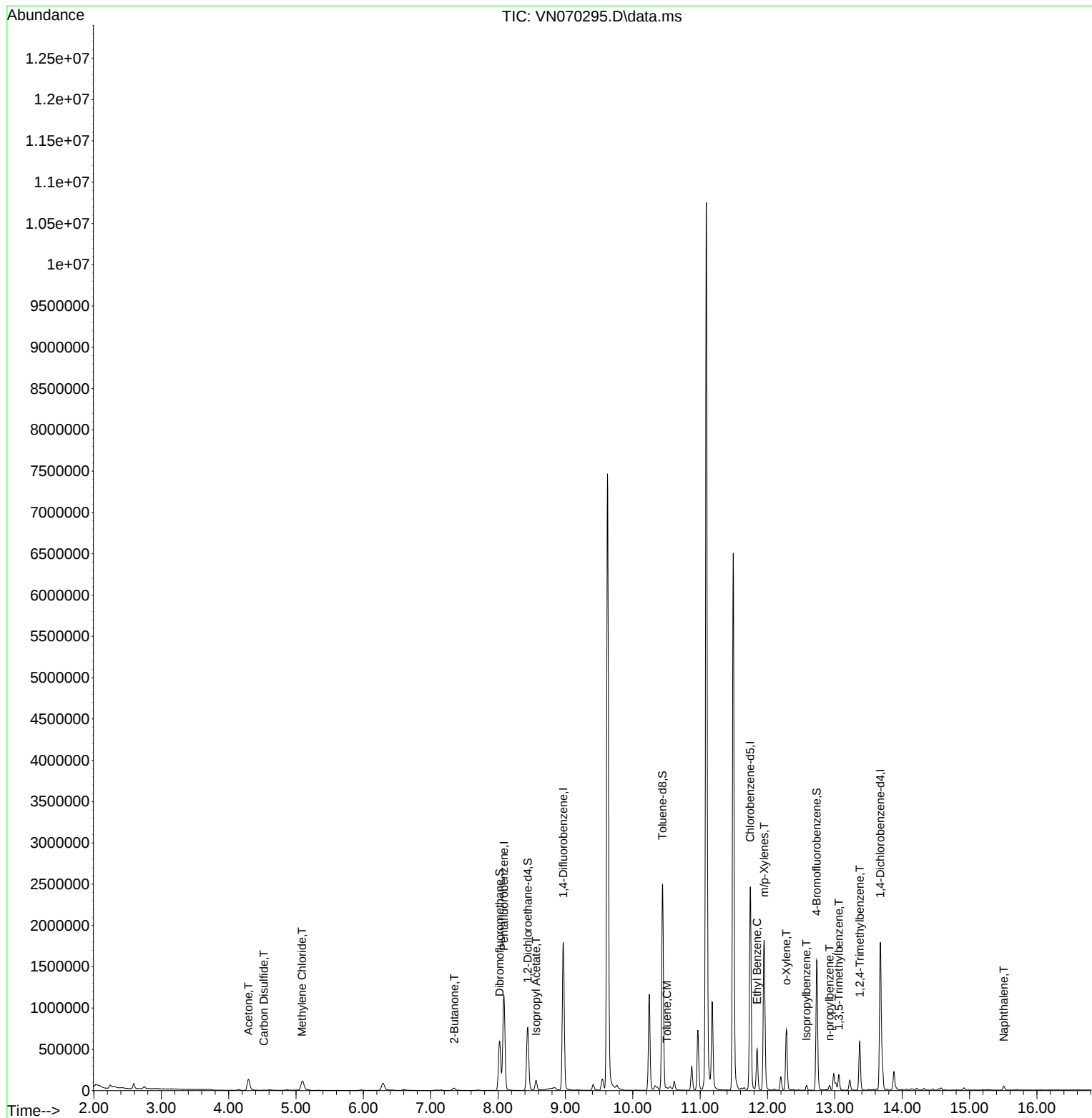
Internal Standards						
1) Pentafluorobenzene	8.086	168	864463	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1512888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1366961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	477099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	659288	49.395	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.780%
35) Dibromofluoromethane	8.021	113	436743	46.087	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.180%
50) Toluene-d8	10.440	98	1684073	44.258	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	88.520%
62) 4-Bromofluorobenzene	12.731	95	562988	40.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	81.680%
Target Compounds						
						Qvalue
16) Acetone	4.293	43	258673	32.217	ug/l	98
17) Carbon Disulfide	4.524	76	7275	0.342	ug/l	96
20) Methylene Chloride	5.090	84	80878	7.577	ug/l	88
25) 2-Butanone	7.351	43	43899	4.024	ug/l	91
43) Isopropyl Acetate	8.563	43	142514	4.493	ug/l	# 87
52) Toluene	10.507	92	7547	0.281	ug/l	88
67) Ethyl Benzene	11.846	91	357544	7.098	ug/l	96
68) m/p-Xylenes	11.950	106	554572	30.236	ug/l	91
69) o-Xylene	12.280	106	198167	10.726	ug/l	90
73) Isopropylbenzene	12.578	105	36473	0.859	ug/l	98
78) n-propylbenzene	12.921	91	47354	1.003	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	98338	2.878	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	341484	10.495	ug/l	97
95) Naphthalene	15.507	128	43644	5.708	ug/l	99

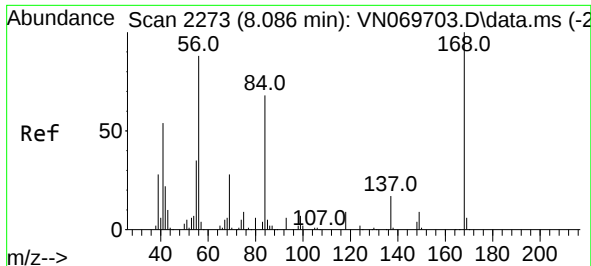
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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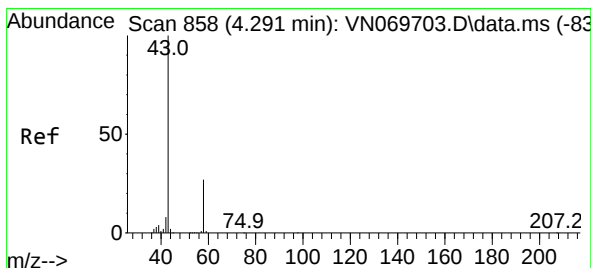
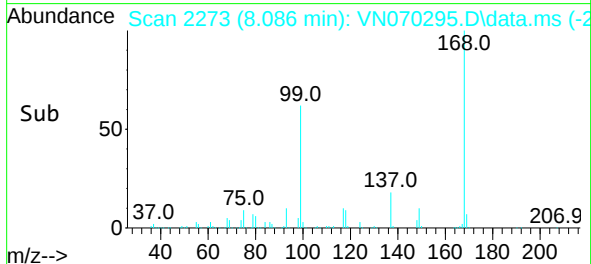
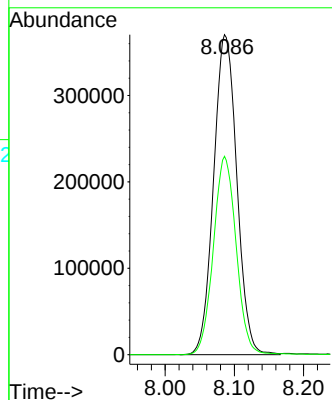
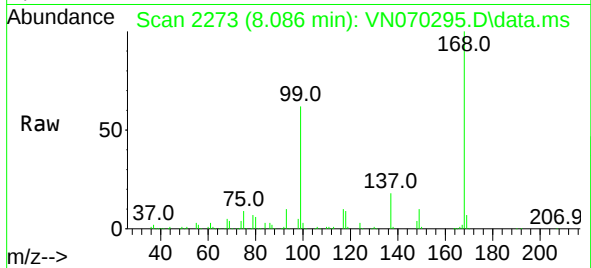




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

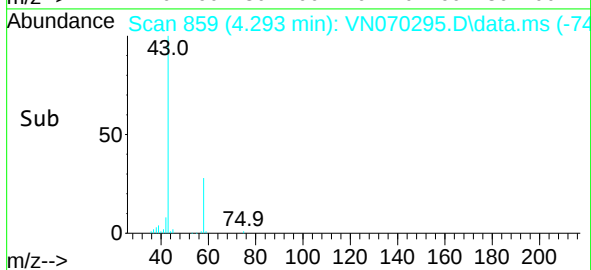
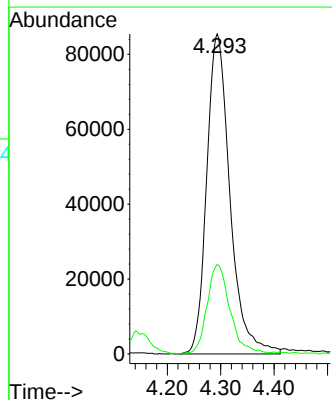
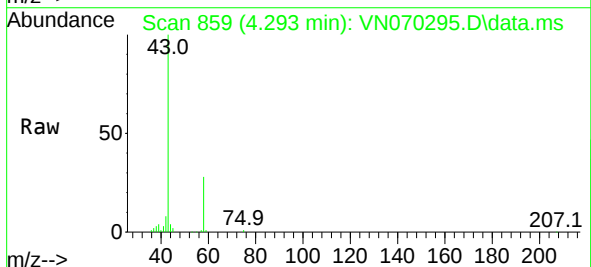
Instrument :
MSVOA_N
ClientSampleId :
A2RE

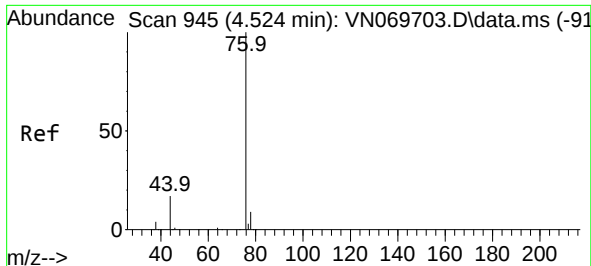
Tgt Ion:168 Resp: 864463
Ion Ratio Lower Upper
168 100
99 62.0 41.3 61.9#



#16
Acetone
Concen: 32.217 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

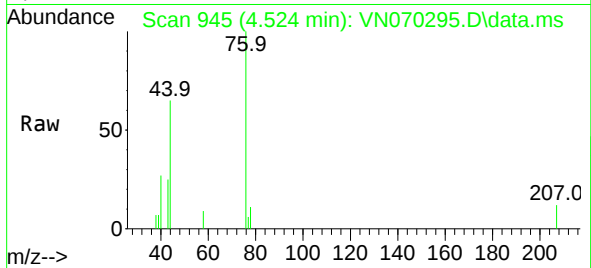
Tgt Ion: 43 Resp: 258673
Ion Ratio Lower Upper
43 100
58 27.9 23.1 34.7



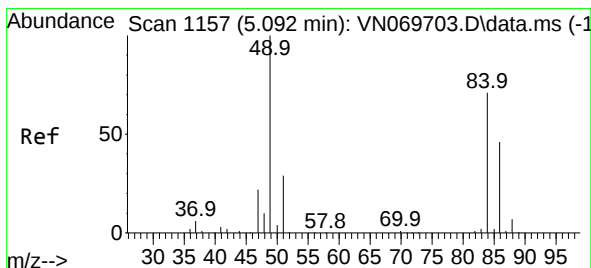
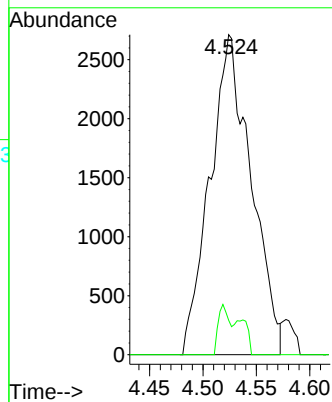
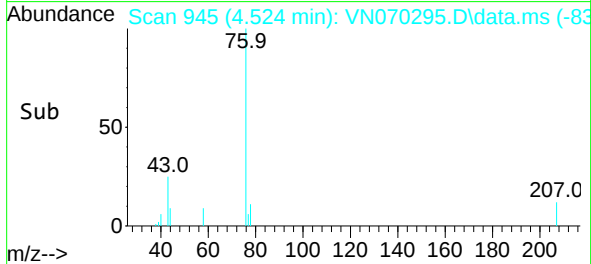


#17
Carbon Disulfide
Concen: 0.342 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

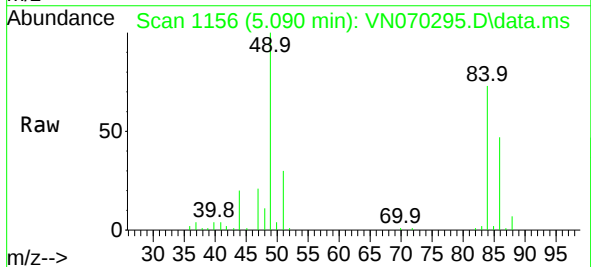
Instrument :
MSVOA_N
ClientSampleId :
A2RE



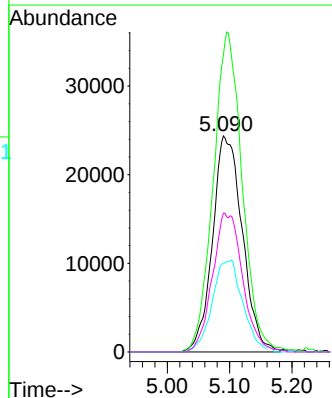
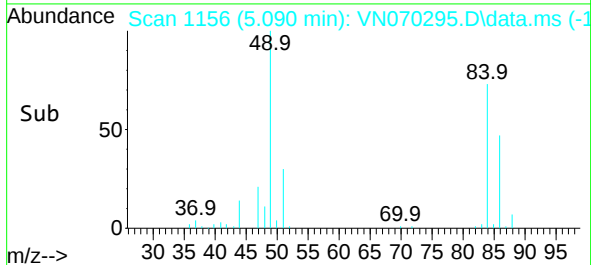
Tgt Ion: 76 Resp: 7275
Ion Ratio Lower Upper
76 100
78 10.8 7.5 11.3

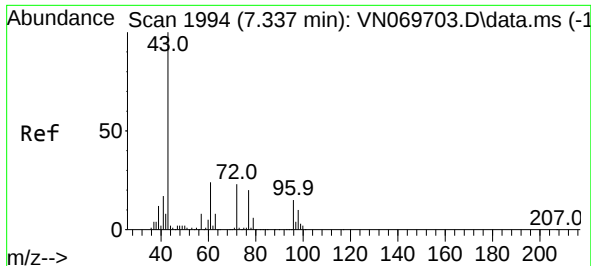


#20
Methylene Chloride
Concen: 7.577 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.003 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44



Tgt Ion: 84 Resp: 80878
Ion Ratio Lower Upper
84 100
49 137.4 93.5 140.3
51 40.8 29.4 44.2
86 64.2 53.0 79.4





#25

2-Butanone

Concen: 4.024 ug/l

RT: 7.351 min Scan# 1994

Delta R.T. 0.014 min

Lab File: VN070295.D

Acq: 22 Dec 2021 17:44

Instrument :

MSVOA_N

ClientSampleId :

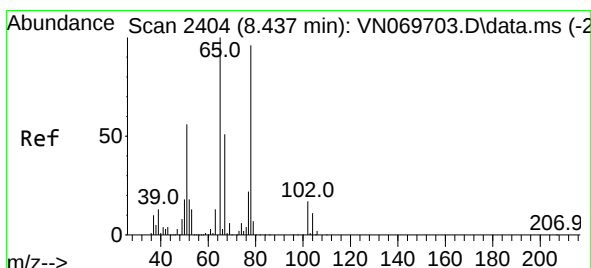
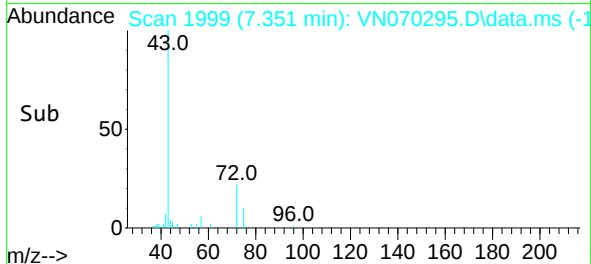
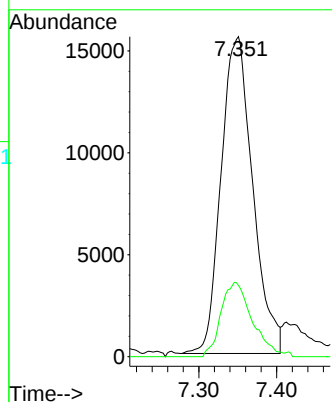
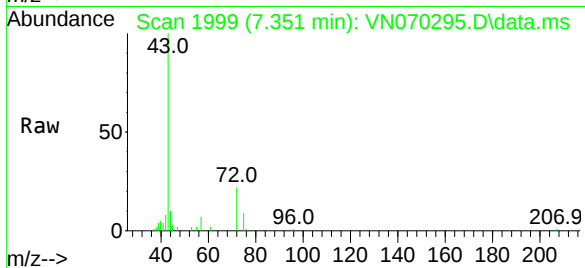
A2RE

Tgt Ion: 43 Resp: 43899

Ion Ratio Lower Upper

43 100

72 22.5 21.7 32.5



#33

1,2-Dichloroethane-d4

Concen: 49.395 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN070295.D

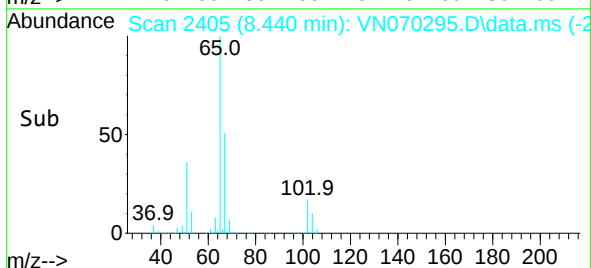
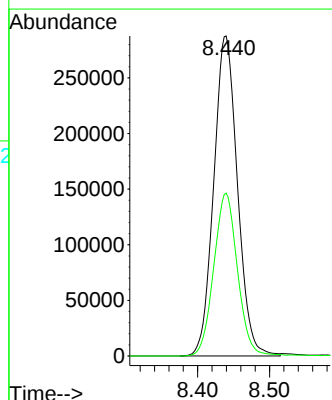
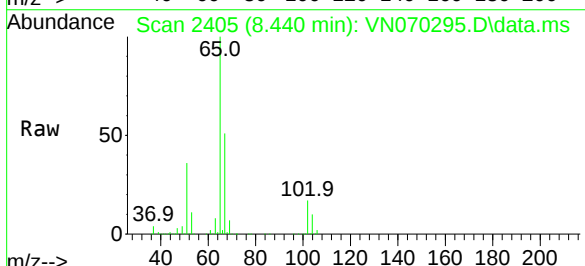
Acq: 22 Dec 2021 17:44

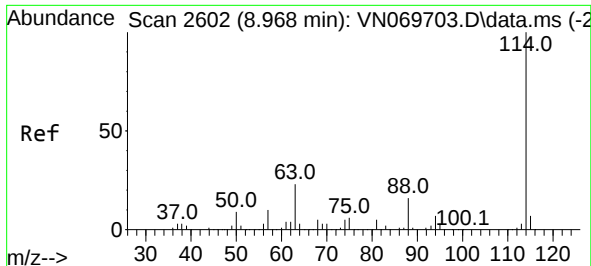
Tgt Ion: 65 Resp: 659288

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN070295.D

Acq: 22 Dec 2021 17:44

Instrument :

MSVOA_N

ClientSampleId :

A2RE

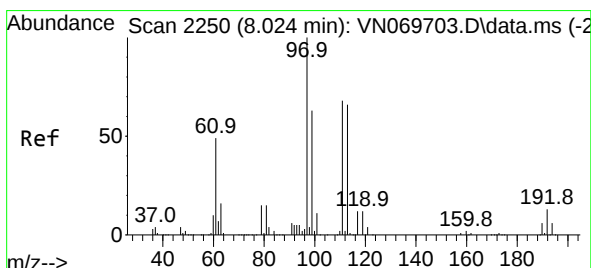
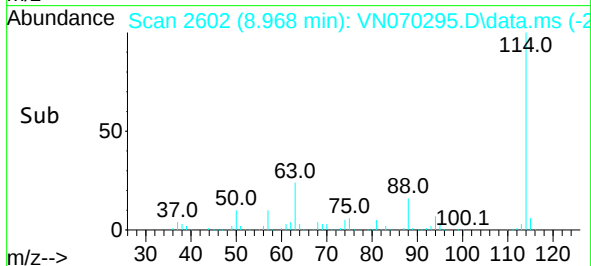
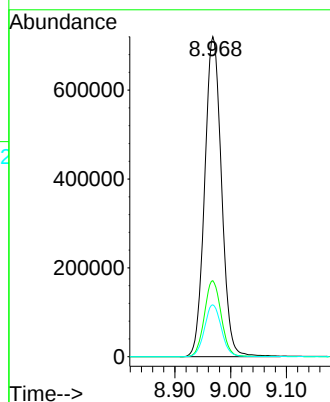
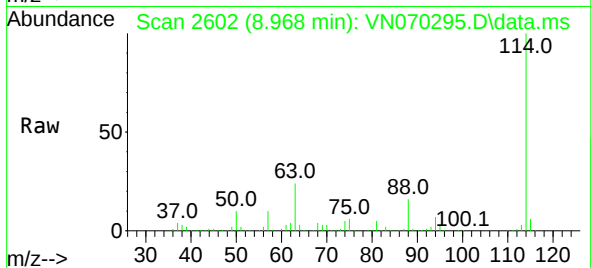
Tgt Ion:114 Resp: 1512888

Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.087 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. -0.003 min

Lab File: VN070295.D

Acq: 22 Dec 2021 17:44

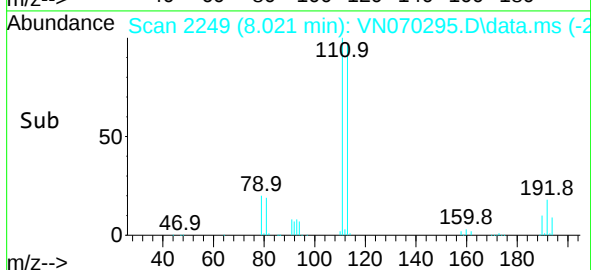
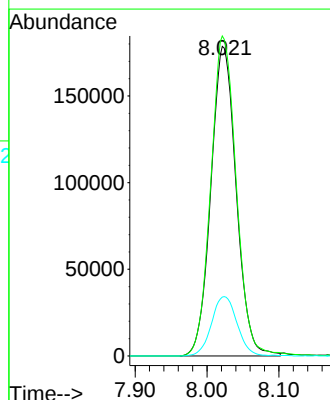
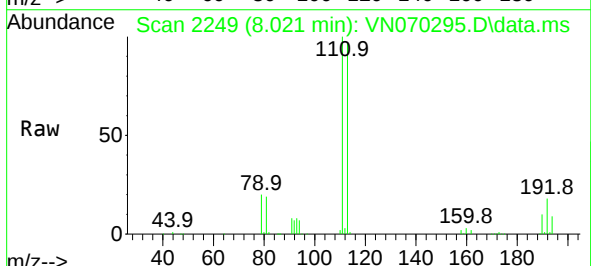
Tgt Ion:113 Resp: 436743

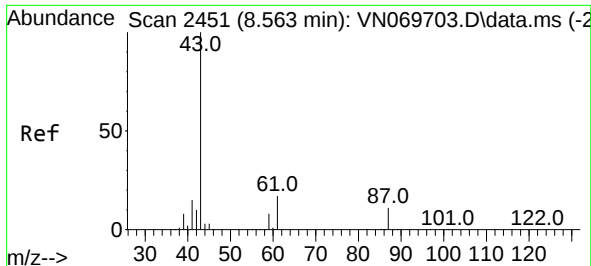
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.2

192 19.4 16.9 25.3

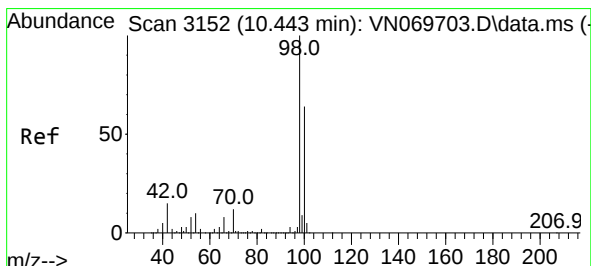
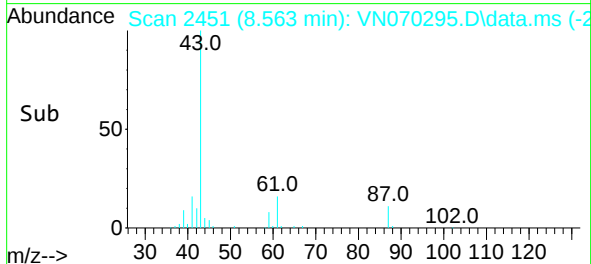
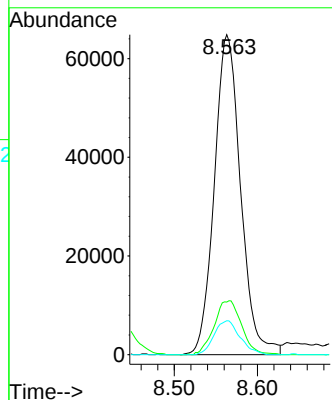
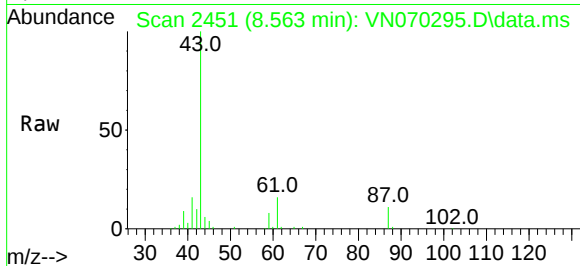




#43
Isopropyl Acetate
Concen: 4.493 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

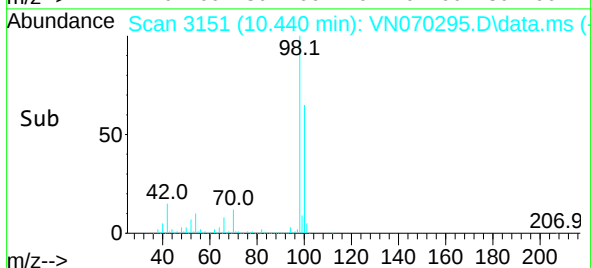
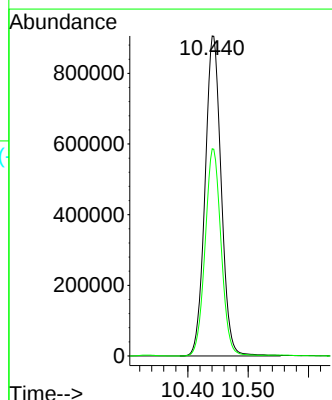
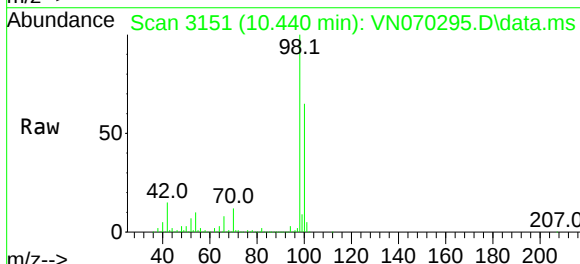
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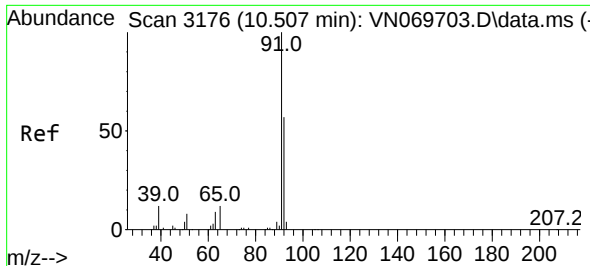
Tgt Ion: 43 Resp: 142514
Ion Ratio Lower Upper
43 100
61 17.6 20.4 30.6#
87 10.5 11.2 16.8#



#50
Toluene-d8
Concen: 44.258 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

Tgt Ion: 98 Resp: 1684073
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6

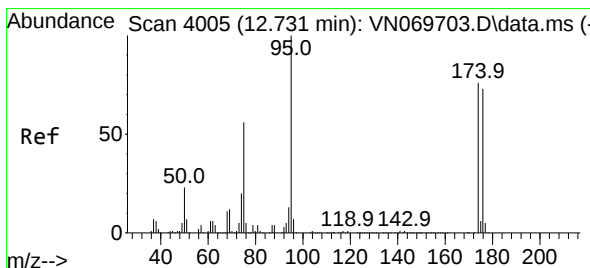
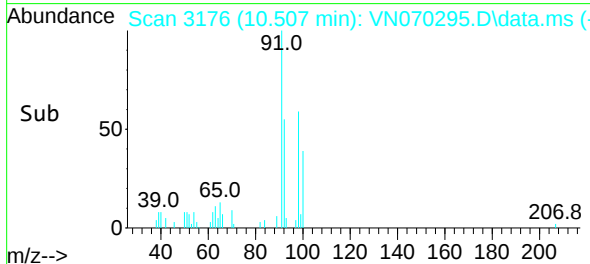
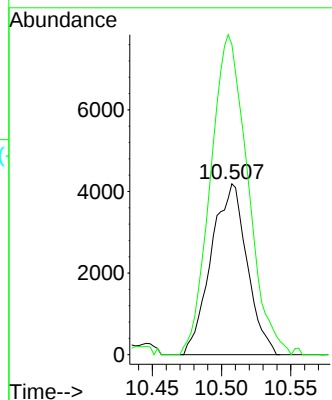
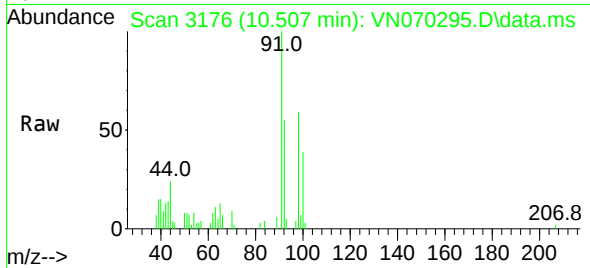




#52
Toluene
Concen: 0.281 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

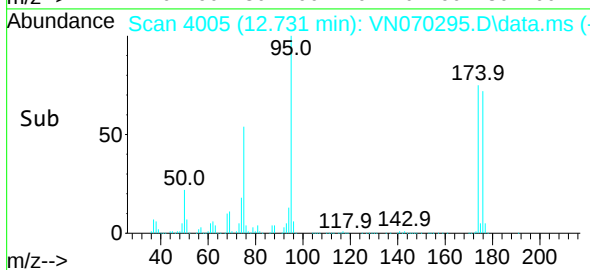
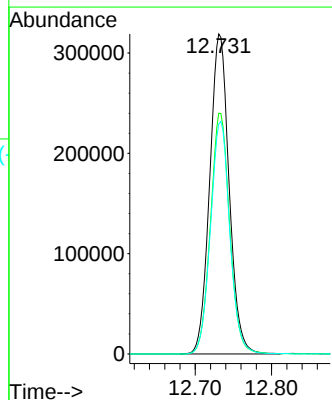
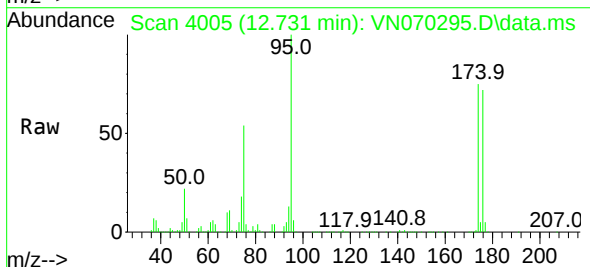
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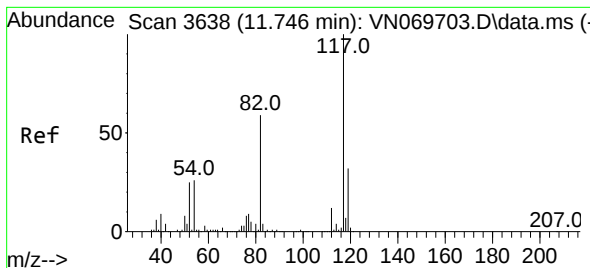
Tgt Ion: 92 Resp: 7547
Ion Ratio Lower Upper
92 100
91 194.2 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 40.841 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

Tgt Ion: 95 Resp: 562988
Ion Ratio Lower Upper
95 100
174 74.8 0.0 187.2
176 72.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.002 min

Lab File: VN070295.D

Acq: 22 Dec 2021 17:44

Instrument :

MSVOA_N

ClientSampleId :

A2RE

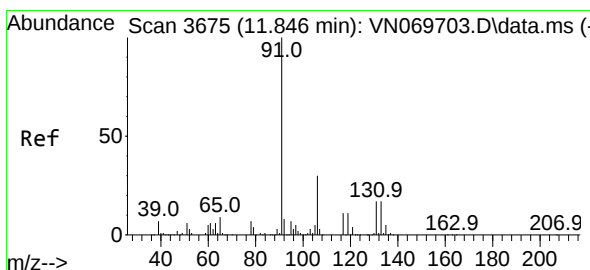
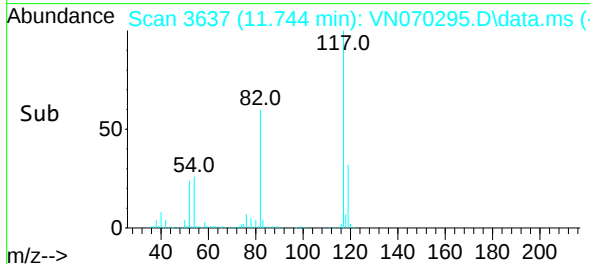
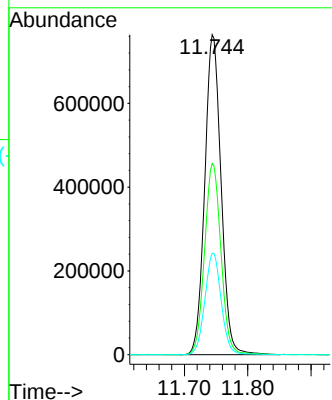
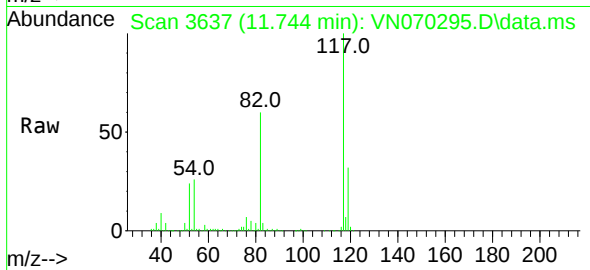
Tgt Ion:117 Resp: 1366961

Ion Ratio Lower Upper

117 100

82 59.8 42.4 63.6

119 31.6 25.4 38.2



#67

Ethyl Benzene

Concen: 7.098 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.000 min

Lab File: VN070295.D

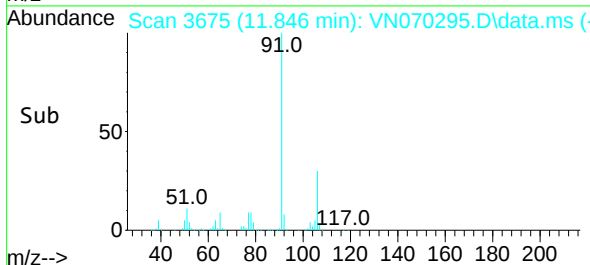
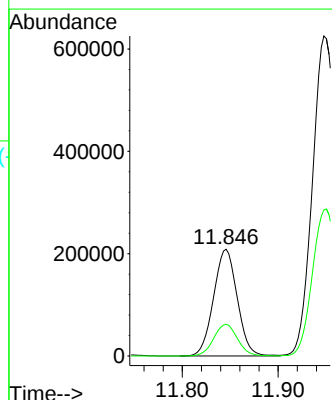
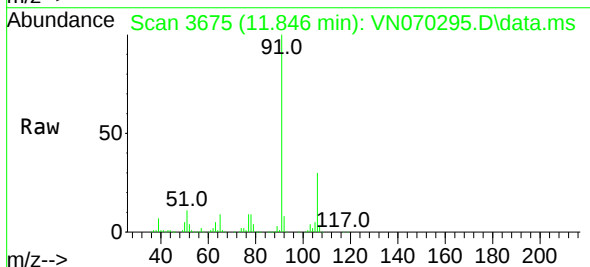
Acq: 22 Dec 2021 17:44

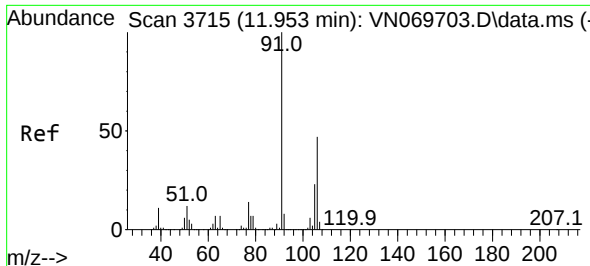
Tgt Ion: 91 Resp: 357544

Ion Ratio Lower Upper

91 100

106 29.7 25.7 38.5

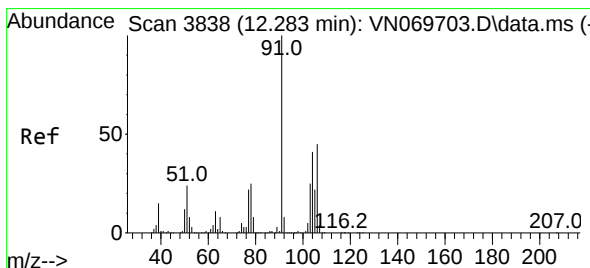
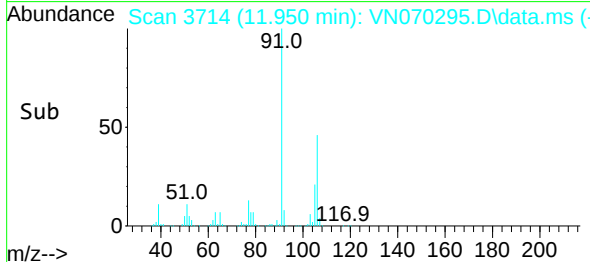
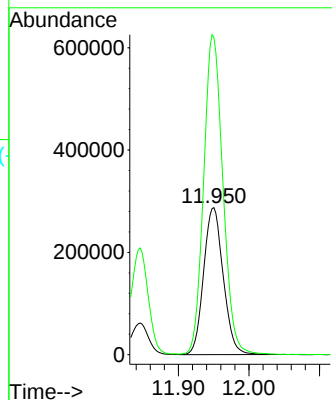
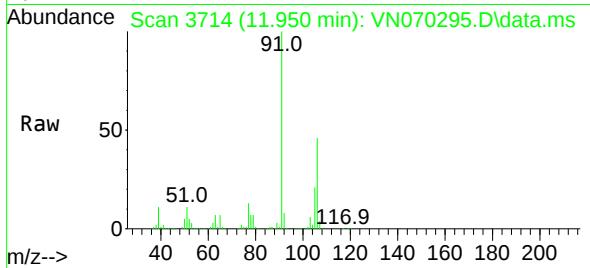




#68
m/p-Xylenes
Concen: 30.236 ug/l
RT: 11.950 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

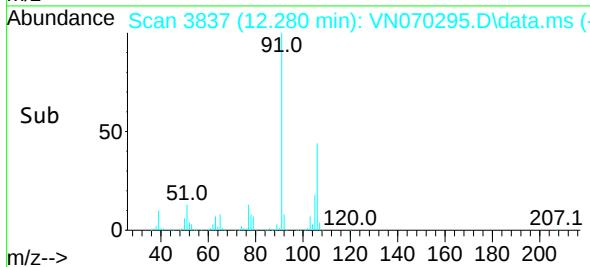
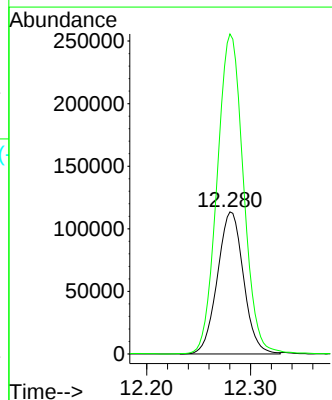
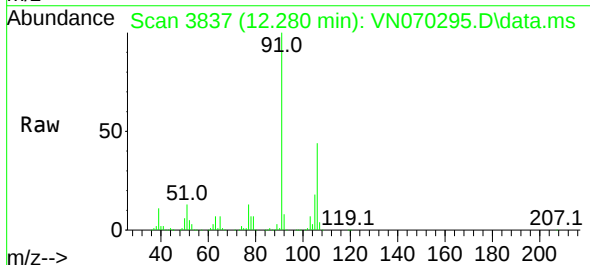
Instrument :
MSVOA_N
ClientSampleId :
A2RE

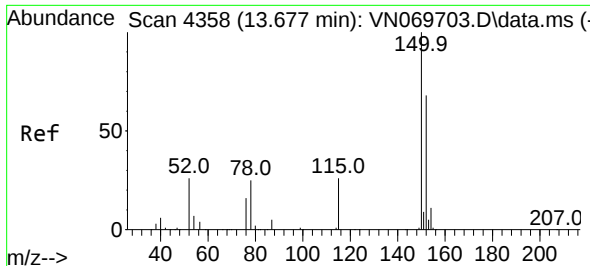
Tgt Ion:106 Resp: 554572
Ion Ratio Lower Upper
106 100
91 214.1 160.6 240.8



#69
o-Xylene
Concen: 10.726 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

Tgt Ion:106 Resp: 198167
Ion Ratio Lower Upper
106 100
91 227.5 105.8 317.3

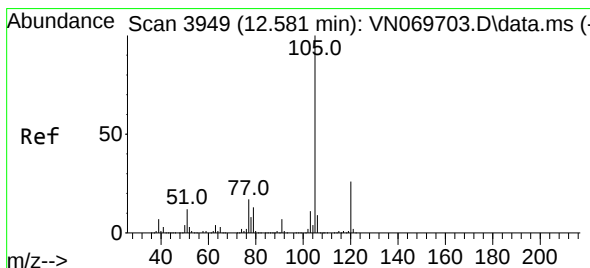
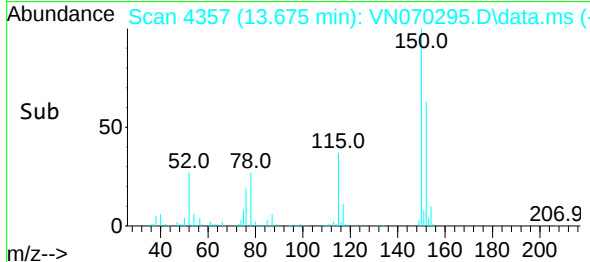
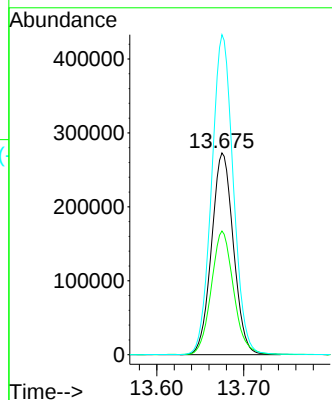
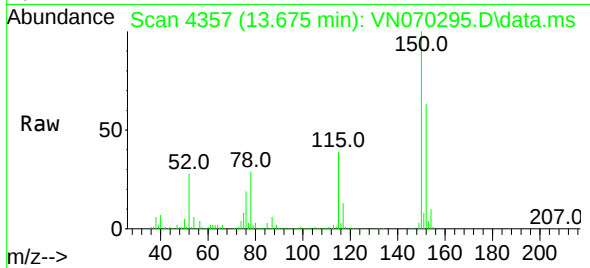




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

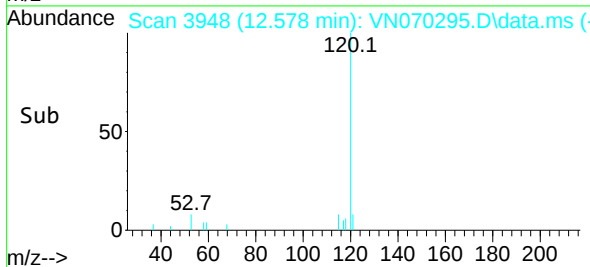
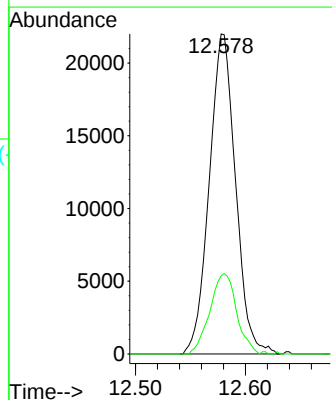
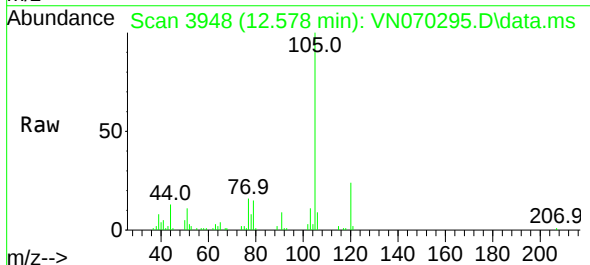
Instrument :
MSVOA_N
ClientSampleId :
A2RE

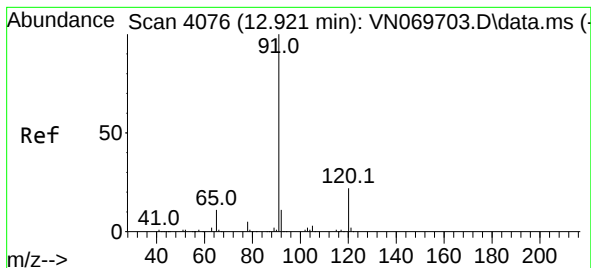
Tgt Ion:152 Resp: 477099
Ion Ratio Lower Upper
152 100
115 62.3 27.5 82.5
150 157.1 0.0 344.4



#73
Isopropylbenzene
Concen: 0.859 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

Tgt Ion:105 Resp: 36473
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1





#78

n-propylbenzene

Concen: 1.003 ug/l

RT: 12.921 min Scan# 4076

Delta R.T. 0.000 min

Lab File: VN070295.D

Acq: 22 Dec 2021 17:44

Instrument :

MSVOA_N

ClientSampleId :

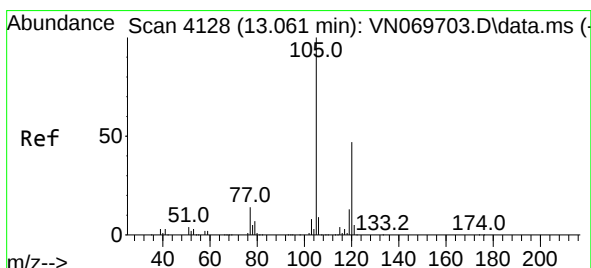
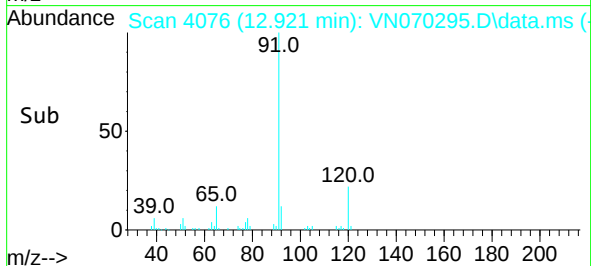
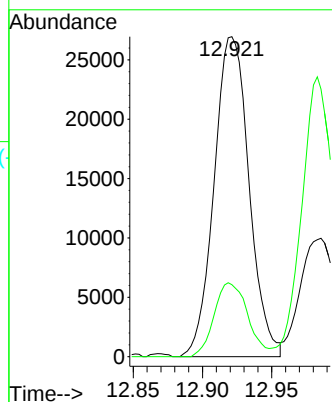
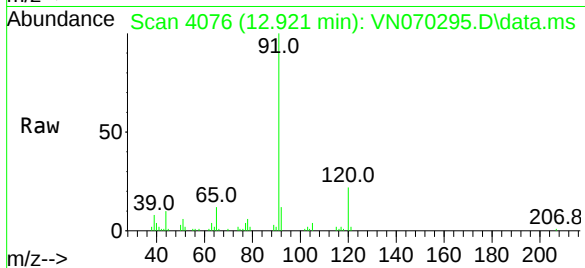
A2RE

Tgt Ion: 91 Resp: 47354

Ion Ratio Lower Upper

91 100

120 22.1 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 2.878 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. -0.003 min

Lab File: VN070295.D

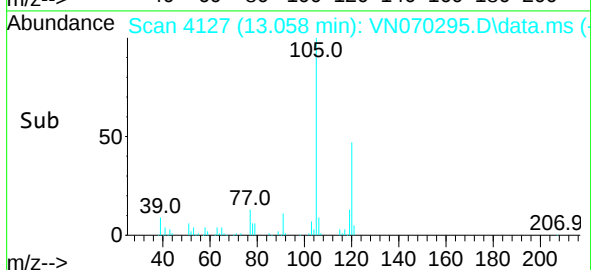
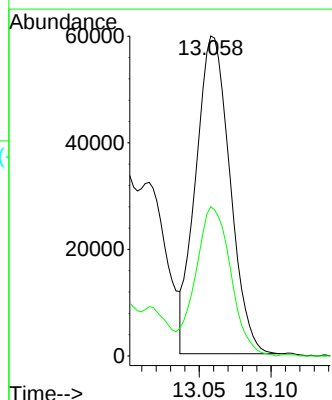
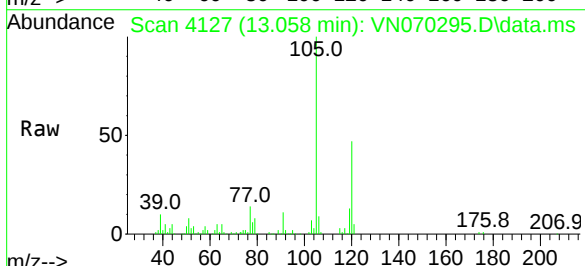
Acq: 22 Dec 2021 17:44

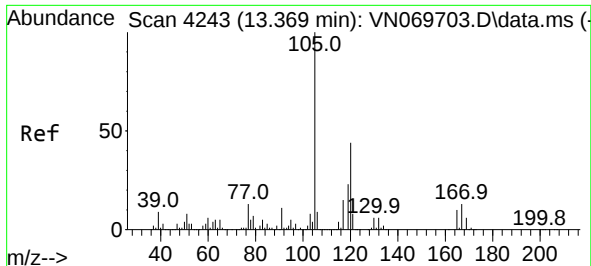
Tgt Ion:105 Resp: 98338

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.6

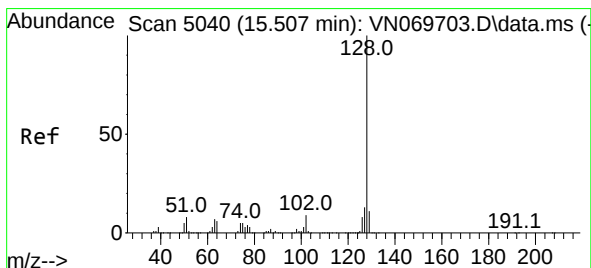
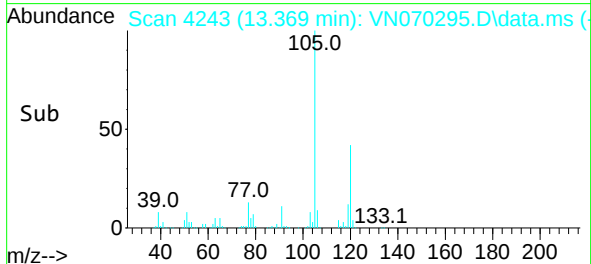
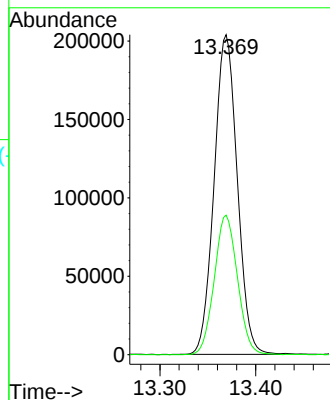
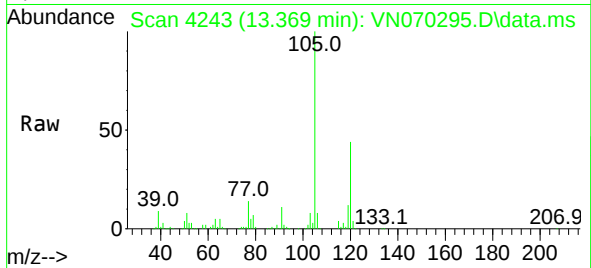




#84
1,2,4-Trimethylbenzene
Concen: 10.495 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

Instrument :
MSVOA_N
ClientSampleId :
A2RE

Tgt Ion:105 Resp: 341484
Ion Ratio Lower Upper
105 100
120 43.8 22.8 68.4



#95
Naphthalene
Concen: 5.708 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070295.D
Acq: 22 Dec 2021 17:44

Tgt Ion:128 Resp: 43644
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 11.5 8.7 13.1

