

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011022\
 Data File : VN070555.D
 Acq On : 10 Jan 2022 20:16
 Operator : JC/MD
 Sample : N1015-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20985

Quant Time: Jan 11 06:07:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

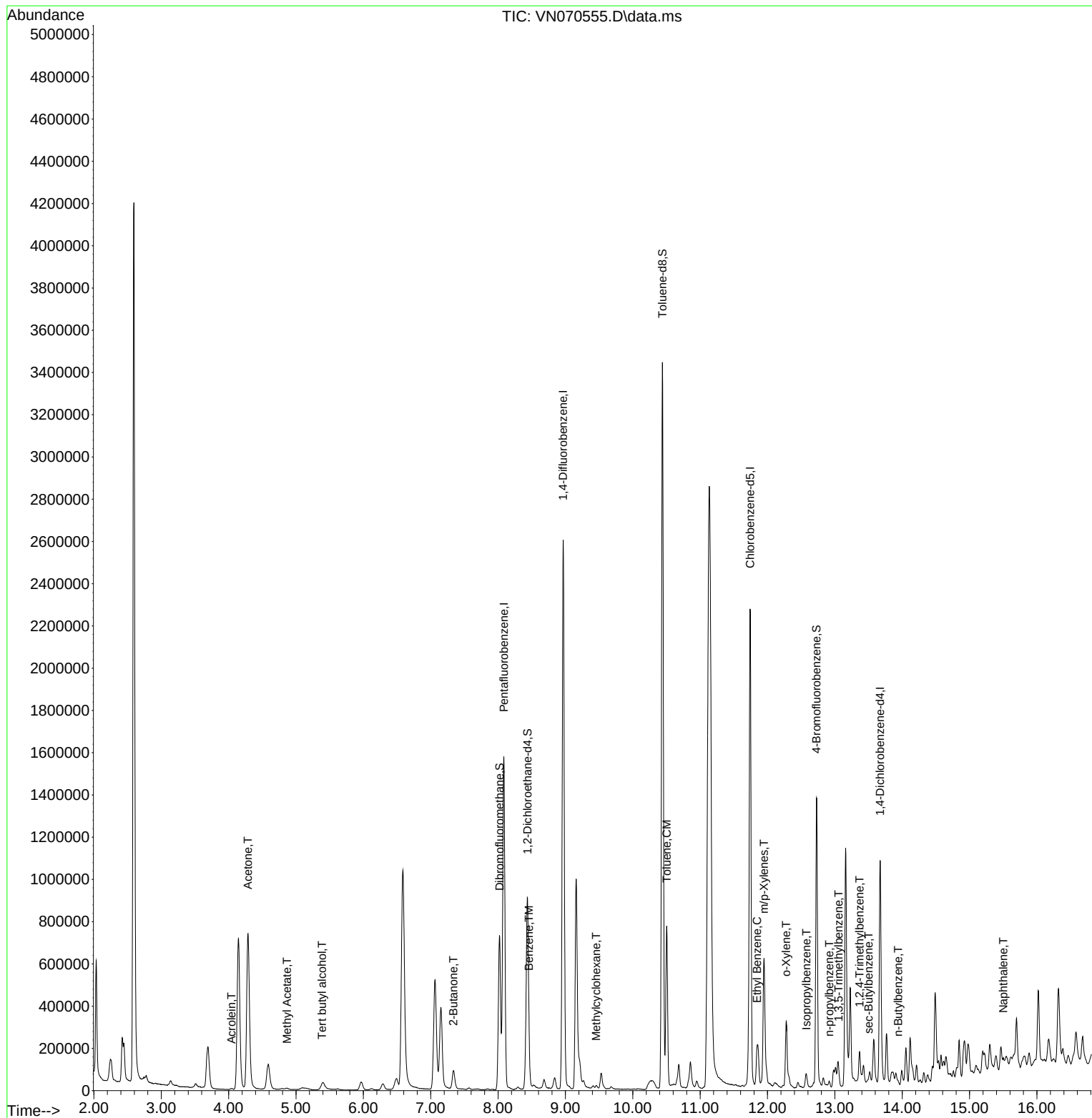
Internal Standards						
1) Pentafluorobenzene	8.086	168	1224914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1942075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1291069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	287583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	693856	39.397	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	78.800%		
35) Dibromofluoromethane	8.021	113	540917	46.033	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.060%		
50) Toluene-d8	10.440	98	2404986	50.102	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.200%		
62) 4-Bromofluorobenzene	12.728	95	489571	28.238	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	56.480%#		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.385	59	23235	7.923	ug/l #	82
13) Acrolein	4.041	56	7025	2.952	ug/l #	54
16) Acetone	4.285	43	1407309	123.093	ug/l	97
18) Methyl Acetate	4.867	43	15204	0.460	ug/l	91
25) 2-Butanone	7.337	43	147830	10.269	ug/l	90
39) Methylcyclohexane	9.456	83	5834	0.248	ug/l #	87
40) Benzene	8.458	78	51876	0.870	ug/l	93
52) Toluene	10.505	92	327560	9.081	ug/l	97
67) Ethyl Benzene	11.843	91	109896	2.190	ug/l	95
68) m/p-Xylenes	11.948	106	187533	10.265	ug/l	94
69) o-Xylene	12.278	106	83641	4.603	ug/l	94
73) Isopropylbenzene	12.578	105	8945	0.335	ug/l	100
78) n-propylbenzene	12.916	91	18870	0.638	ug/l	100
80) 1,3,5-Trimethylbenzene	13.055	105	26741	1.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.366	105	86445	4.195	ug/l	94
85) sec-Butylbenzene	13.501	105	6983	0.273	ug/l	96
89) n-Butylbenzene	13.940	91	8480	0.506	ug/l #	76
95) Naphthalene	15.501	128	47547	5.295	ug/l	97

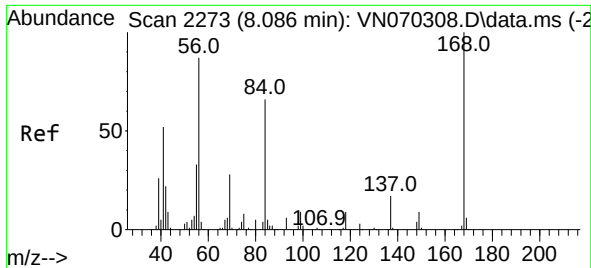
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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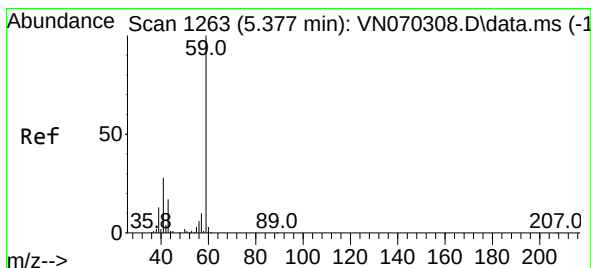
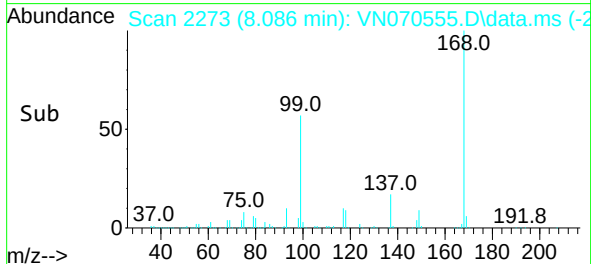
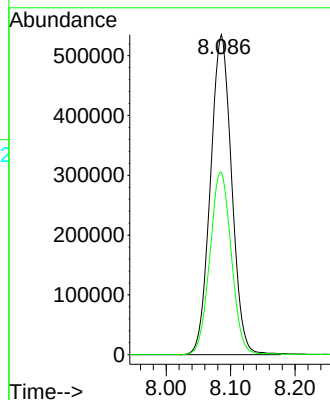
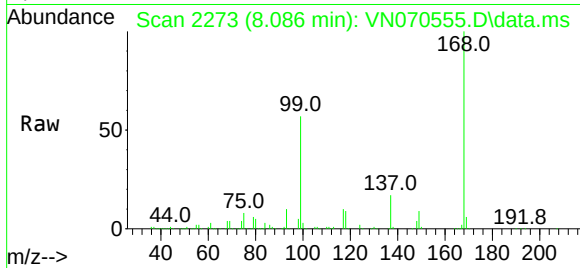




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

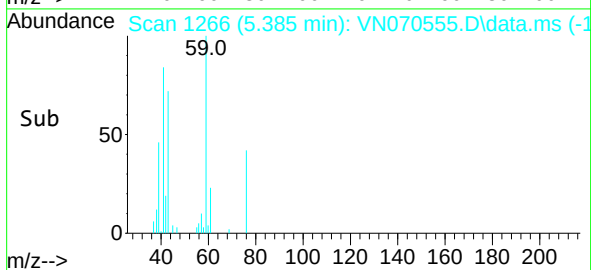
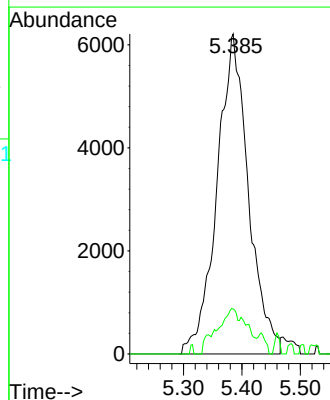
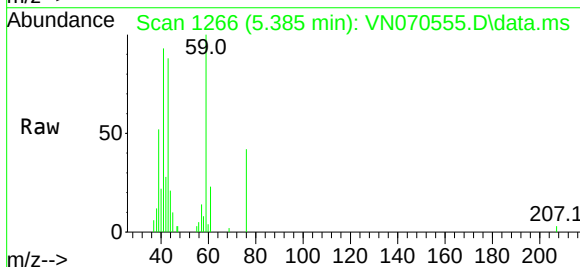
Instrument :
MSVOA_N
ClientSampleId :
20985

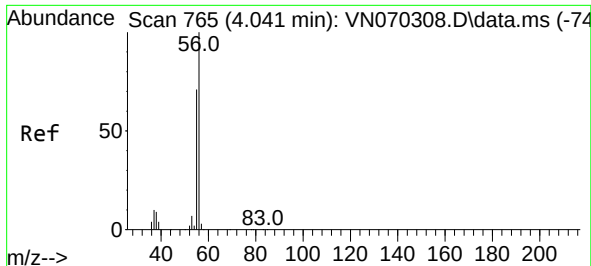
Tgt Ion:168 Resp: 1224914
Ion Ratio Lower Upper
168 100
99 57.0 41.3 61.9



#11
Tert butyl alcohol
Concen: 7.923 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. 0.008 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 59 Resp: 23235
Ion Ratio Lower Upper
59 100
57 4.2 8.7 13.1#

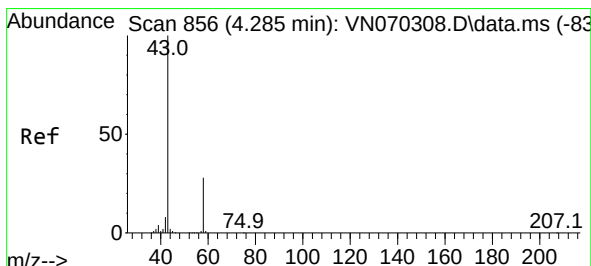
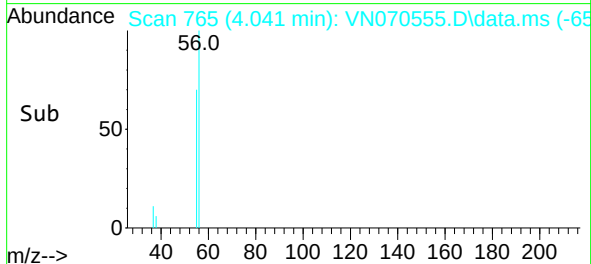
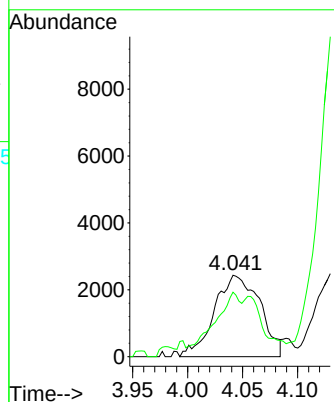
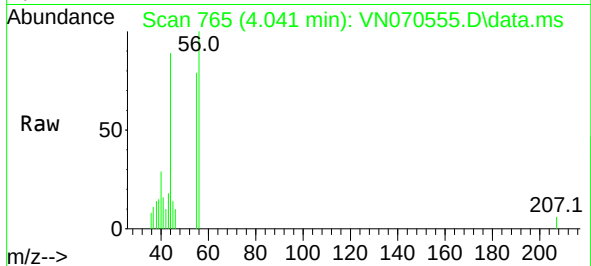




#13
Acrolein
Concen: 2.952 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

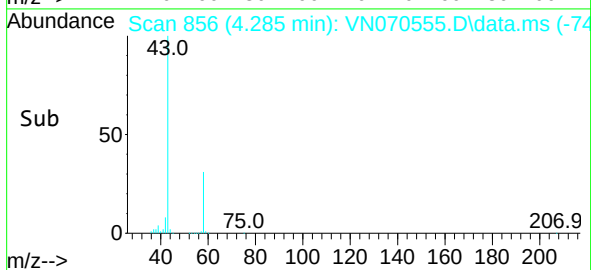
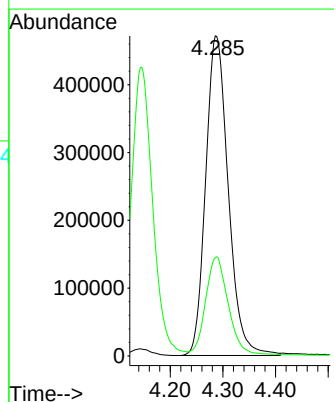
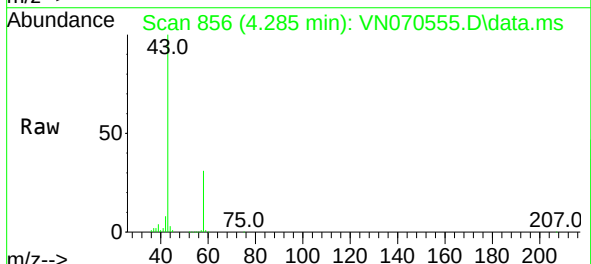
Instrument :
MSVOA_N
ClientSampleId :
20985

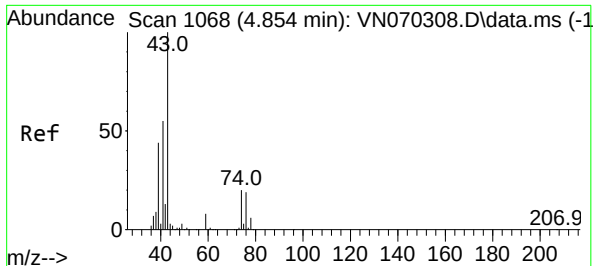
Tgt Ion: 56 Resp: 7025
Ion Ratio Lower Upper
56 100
55 33.1 56.6 85.0#



#16
Acetone
Concen: 123.093 ug/l
RT: 4.285 min Scan# 856
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 43 Resp: 1407309
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7

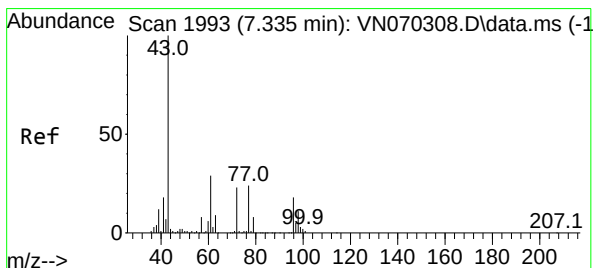
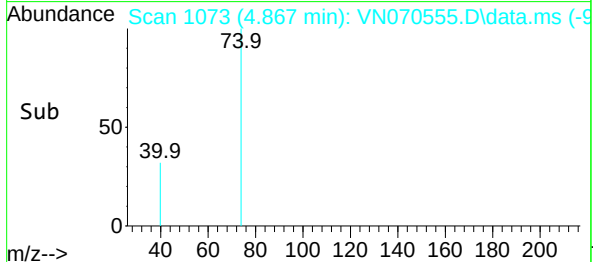
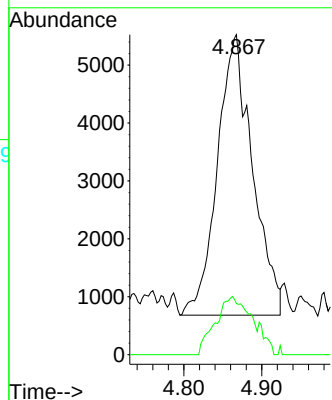
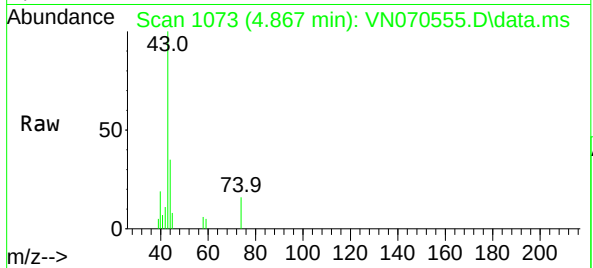




#18
Methyl Acetate
Concen: 0.460 ug/l
RT: 4.867 min Scan# 11
Delta R.T. 0.013 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

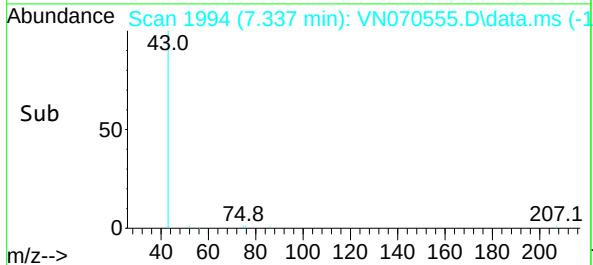
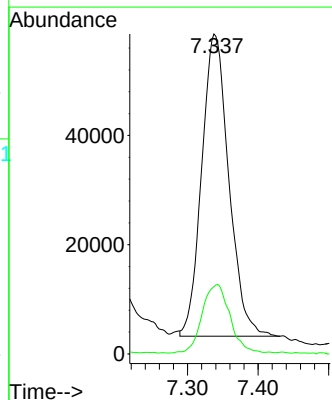
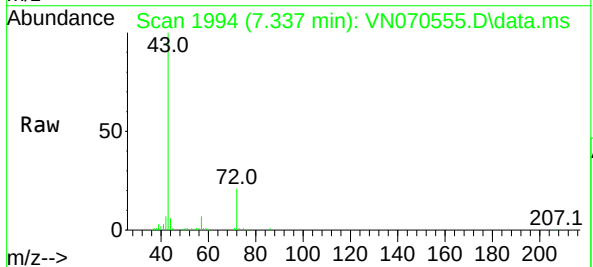
Instrument :
MSVOA_N
ClientSampleId :
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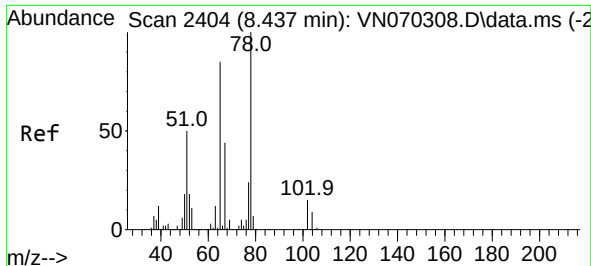
Tgt Ion: 43 Resp: 15204
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.2



#25
2-Butanone
Concen: 10.269 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 43 Resp: 147830
Ion Ratio Lower Upper
43 100
72 21.7 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 39.397 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN070555.D

Acq: 10 Jan 2022 20:16

Instrument :

MSVOA_N

ClientSampleId :

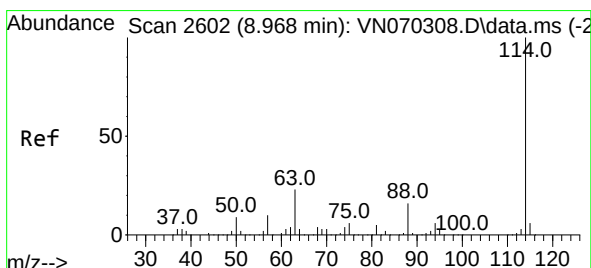
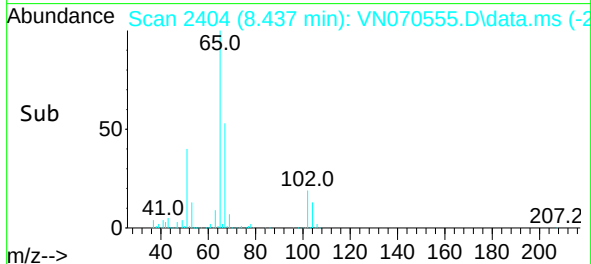
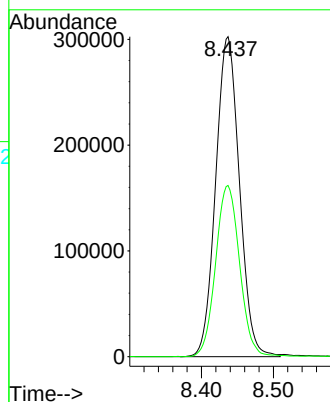
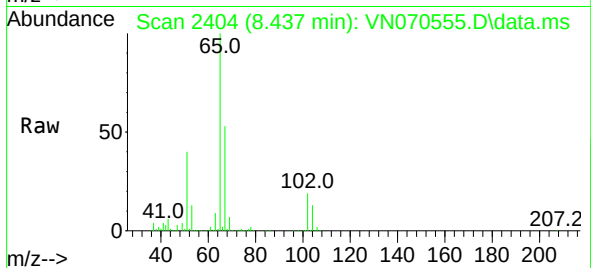
20985

Tgt Ion: 65 Resp: 693856

Ion Ratio Lower Upper

65 100

67 54.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070555.D

Acq: 10 Jan 2022 20:16

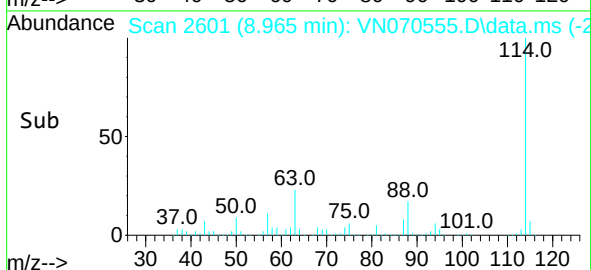
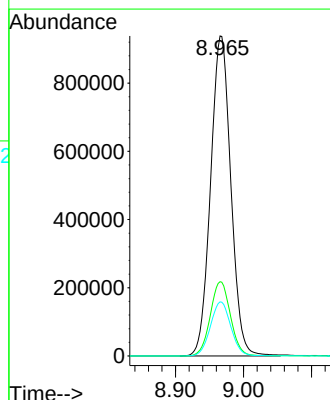
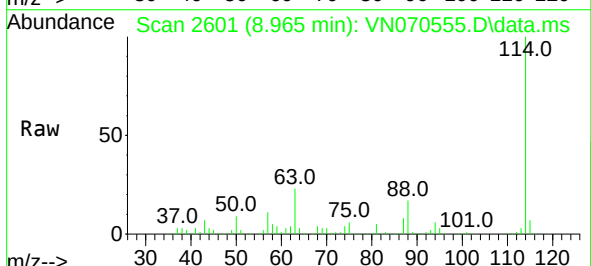
Tgt Ion: 114 Resp: 1942075

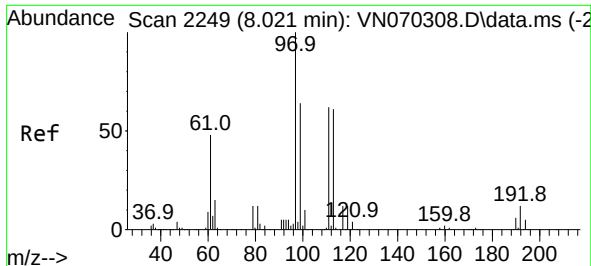
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

88 16.9 0.0 27.4

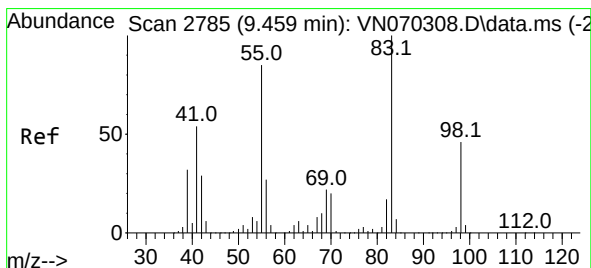
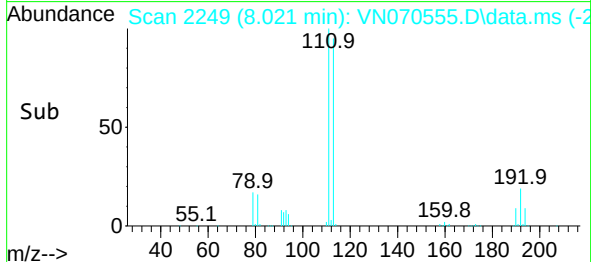
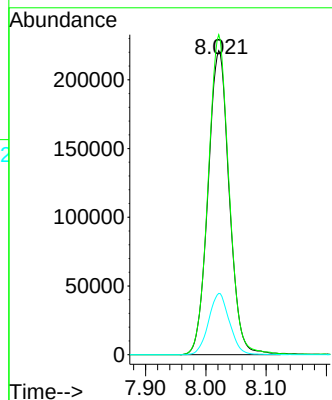
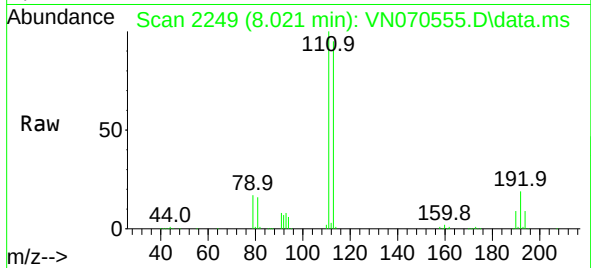




#35
Dibromofluoromethane
Concen: 46.033 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

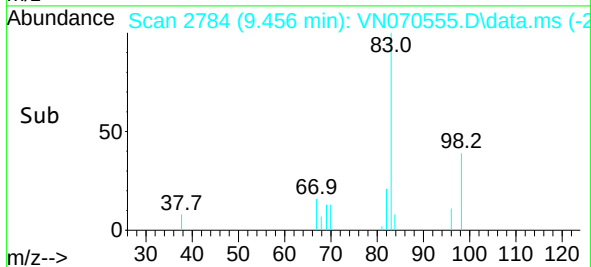
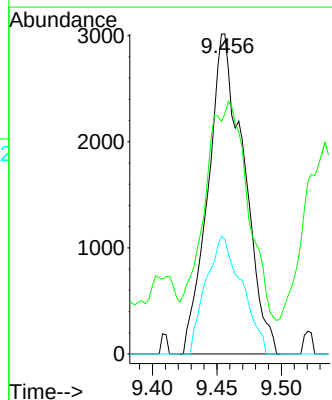
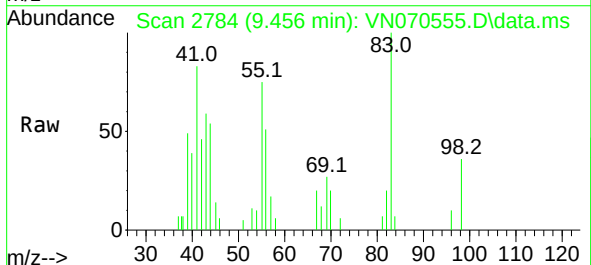
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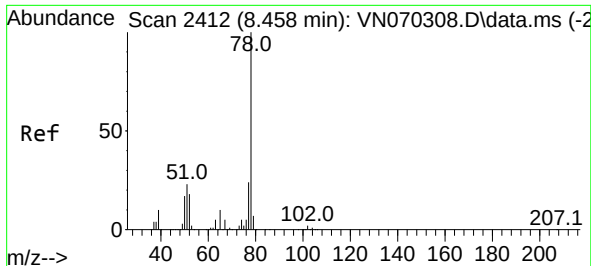
Tgt Ion:113 Resp: 540917
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.8 16.9 25.3



#39
Methylcyclohexane
Concen: 0.248 ug/l
RT: 9.456 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 83 Resp: 5834
Ion Ratio Lower Upper
83 100
55 63.9 58.1 87.1
98 35.8 38.4 57.6#

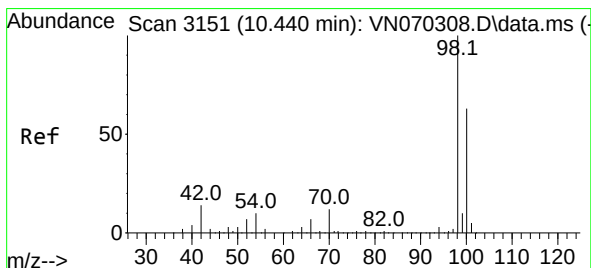
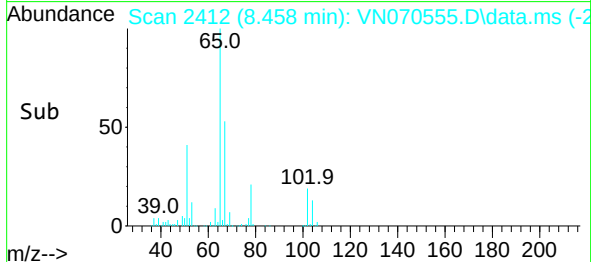
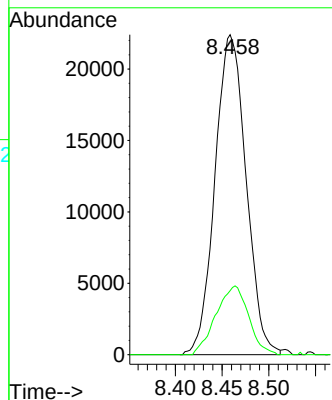
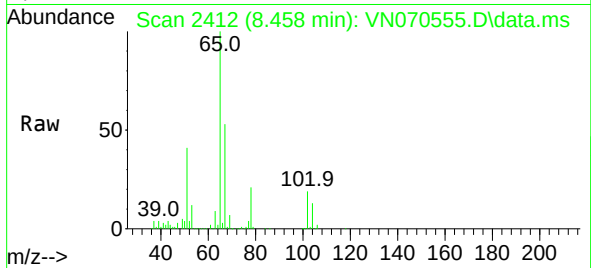




#40
Benzene
Concen: 0.870 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

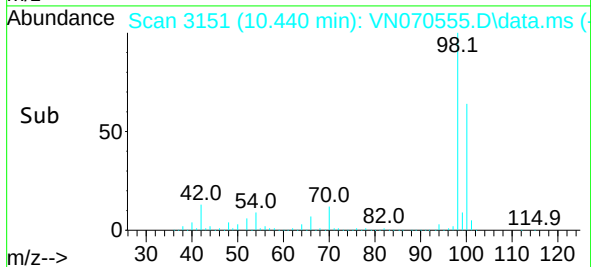
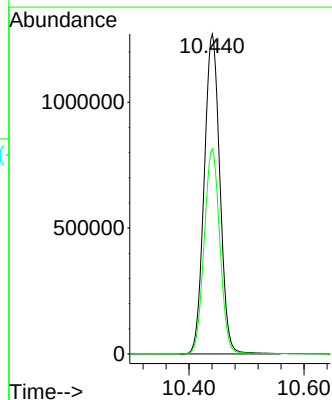
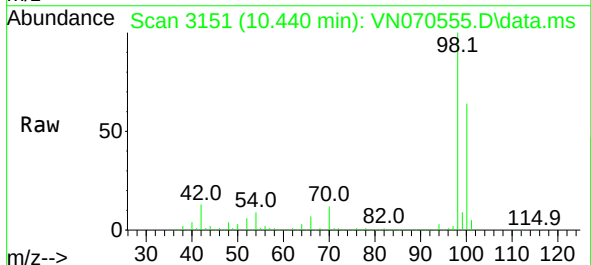
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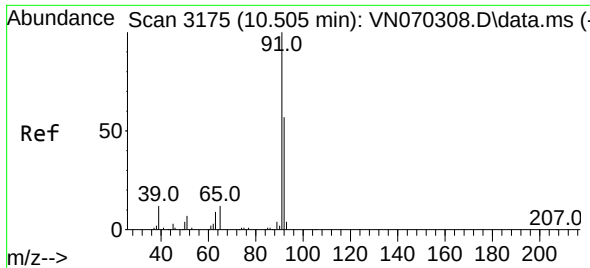
Tgt Ion: 78 Resp: 51876
Ion Ratio Lower Upper
78 100
77 20.0 18.6 27.8



#50
Toluene-d8
Concen: 50.102 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 98 Resp: 2404986
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

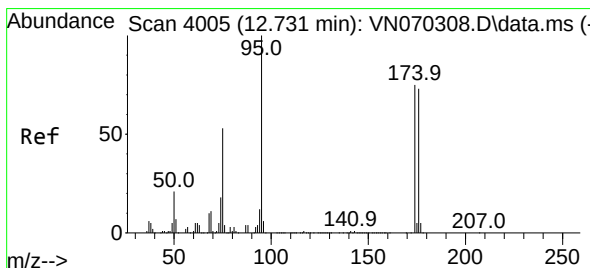
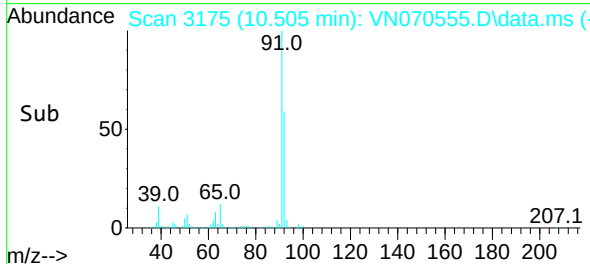
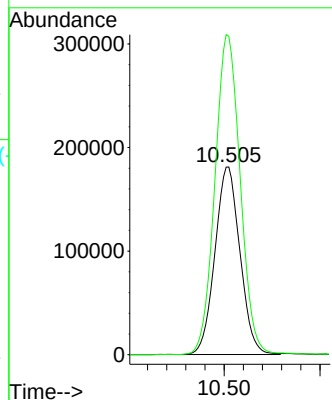
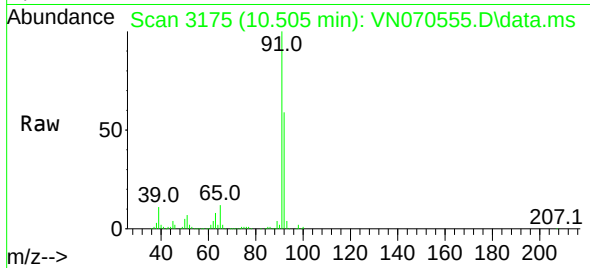




#52
Toluene
Concen: 9.081 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

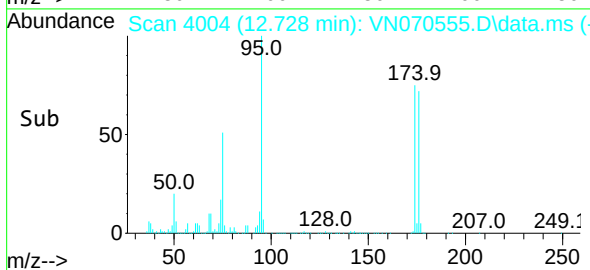
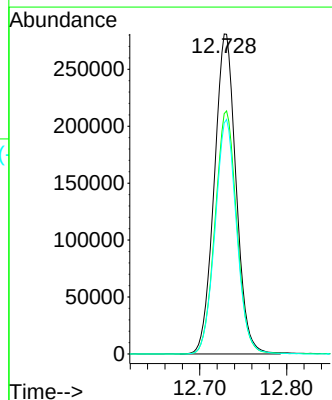
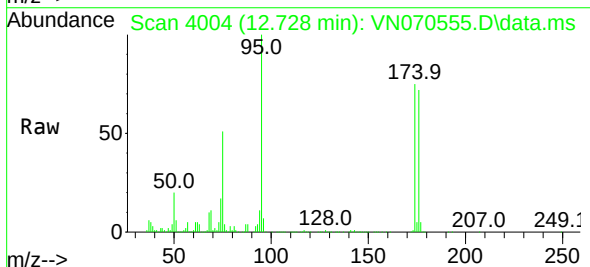
Instrument :
MSVOA_N
ClientSampleId :
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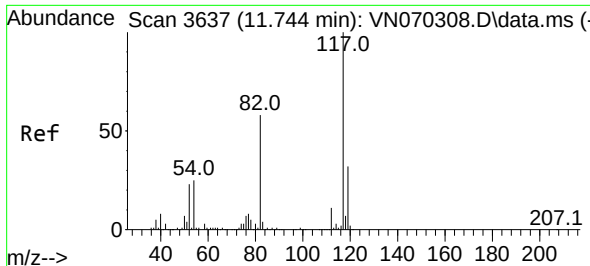
Tgt Ion: 92 Resp: 327560
Ion Ratio Lower Upper
92 100
91 172.8 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 28.238 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 95 Resp: 489571
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 72.4 0.0 181.4

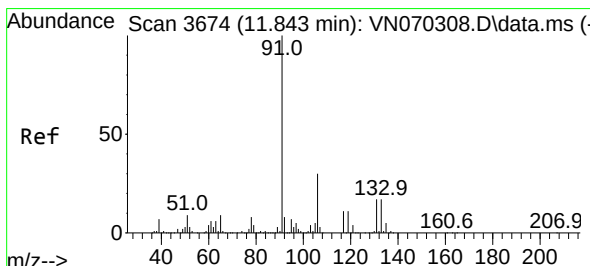
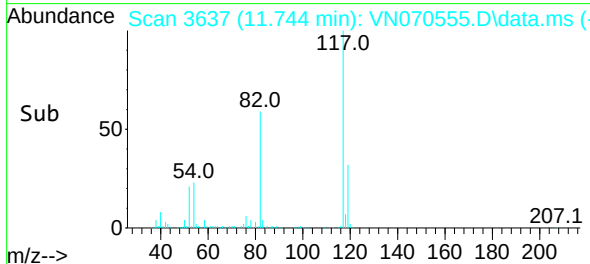
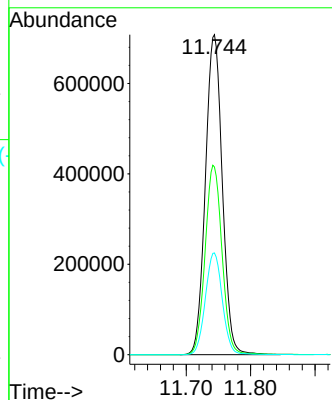
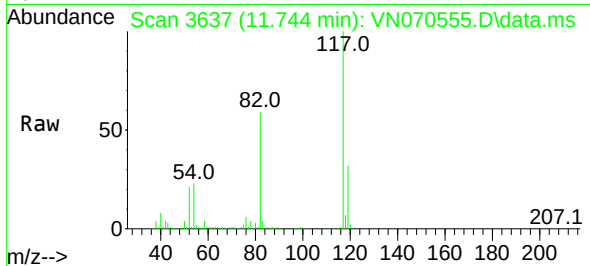




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

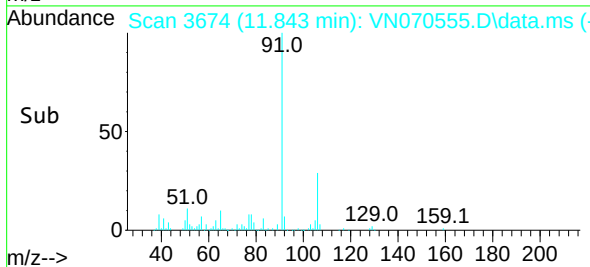
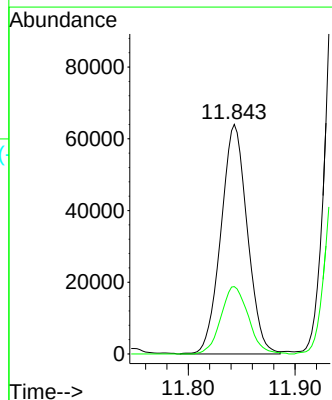
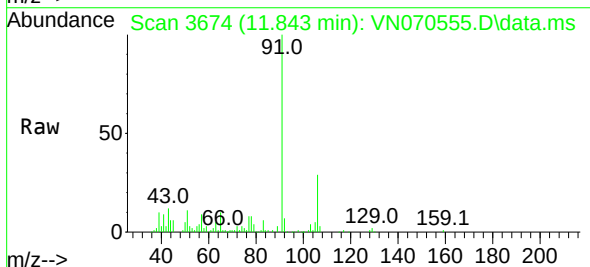
Instrument :
MSVOA_N
ClientSampleId :
20985

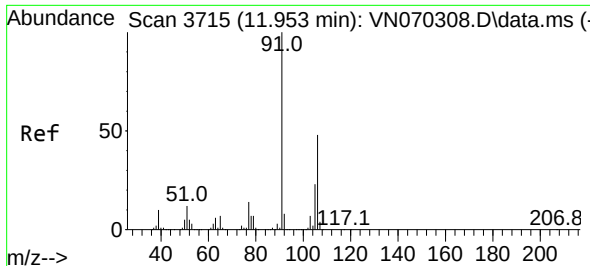
Tgt Ion:117 Resp: 1291069
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 31.8 25.4 38.2



#67
Ethyl Benzene
Concen: 2.190 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 91 Resp: 109896
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5

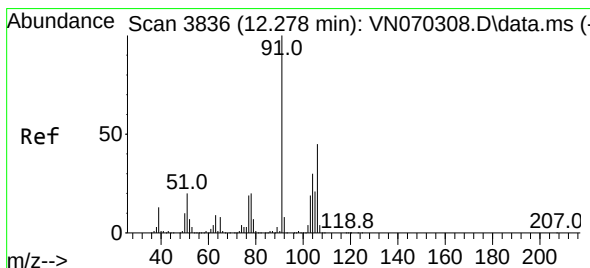
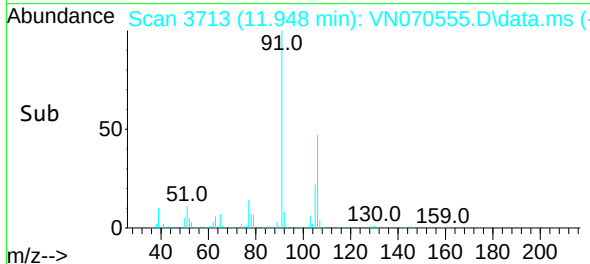
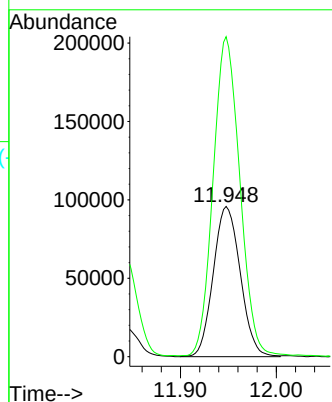
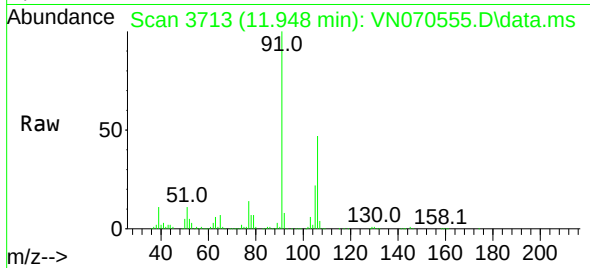




#68
m/p-Xylenes
Concen: 10.265 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

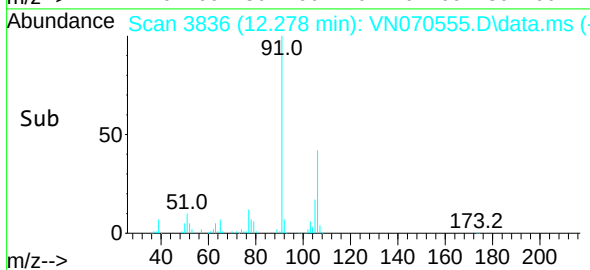
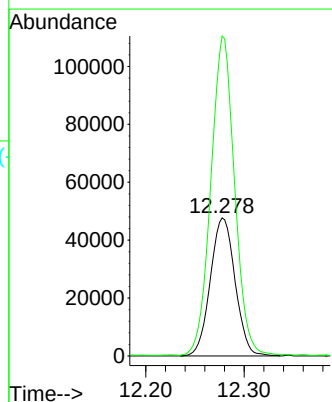
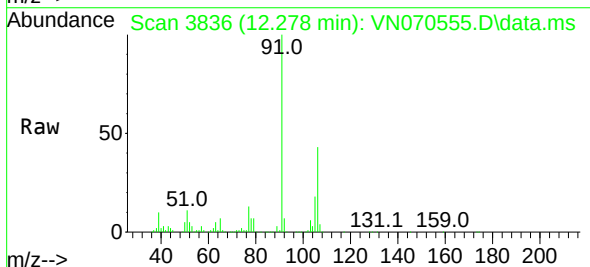
Instrument :
MSVOA_N
ClientSampleId :
20985

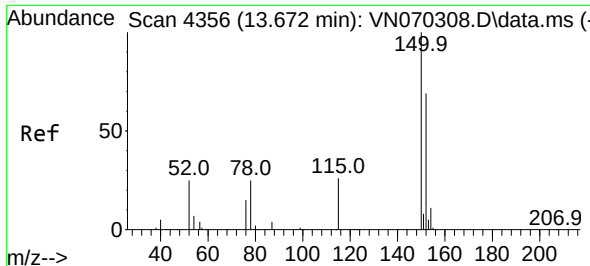
Tgt Ion:106 Resp: 187533
Ion Ratio Lower Upper
106 100
91 209.5 160.6 240.8



#69
o-Xylene
Concen: 4.603 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion:106 Resp: 83641
Ion Ratio Lower Upper
106 100
91 221.2 105.8 317.3

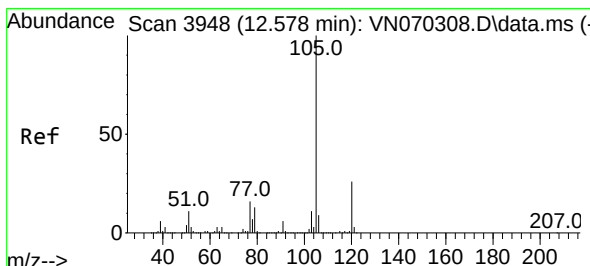
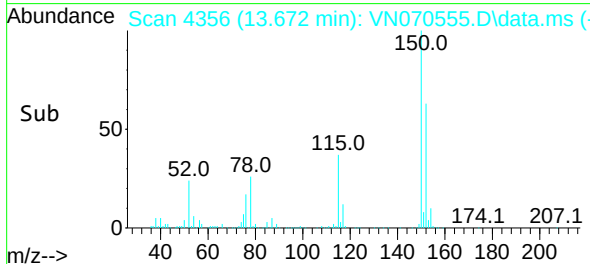
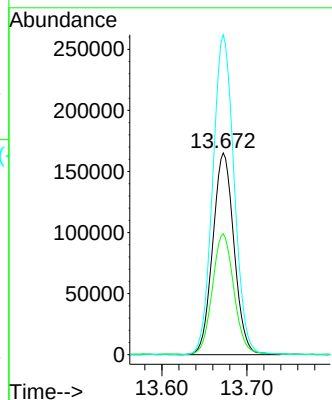
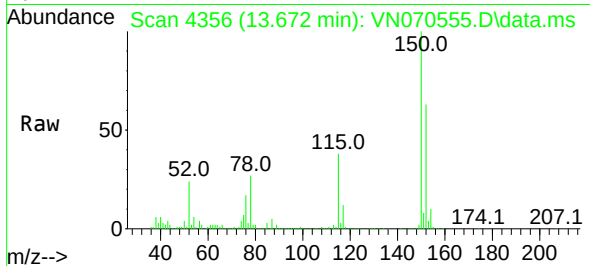




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

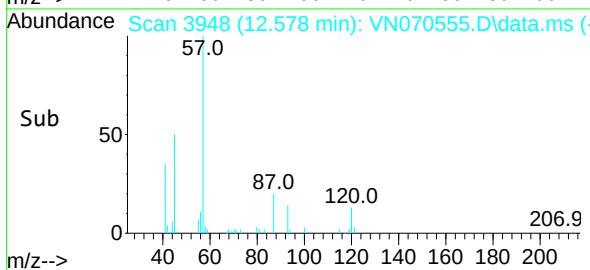
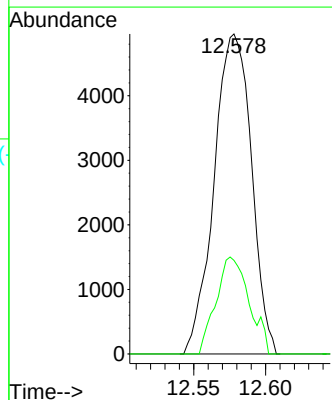
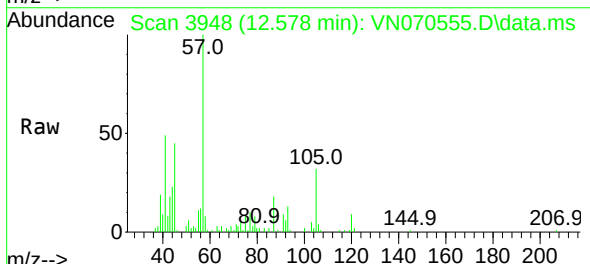
Instrument :
MSVOA_N
ClientSampleId :
20985

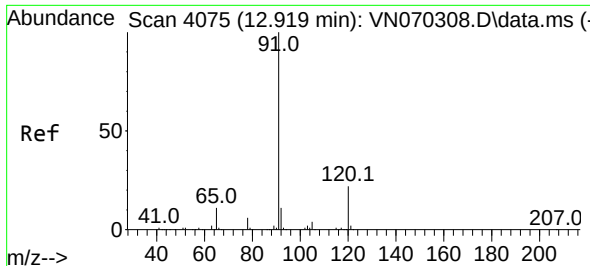
Tgt Ion:152 Resp: 287583
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.5
150 159.7 0.0 344.4



#73
Isopropylbenzene
Concen: 0.335 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion:105 Resp: 8945
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

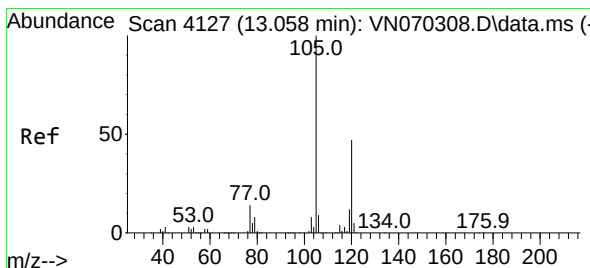
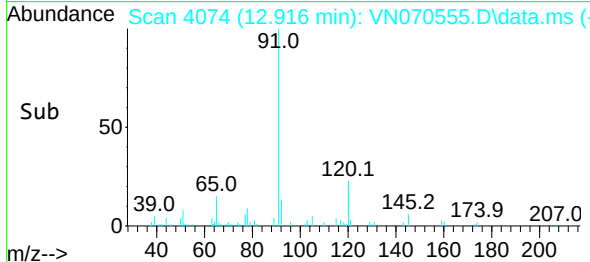
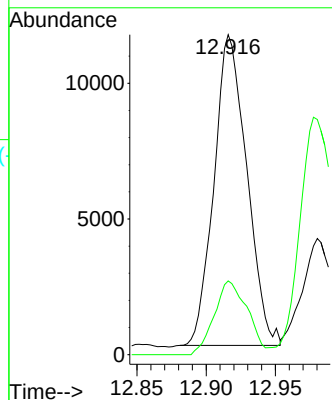
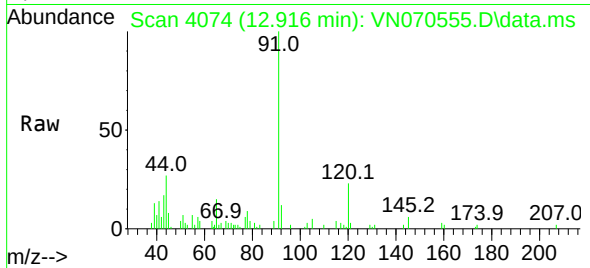




#78
n-propylbenzene
Concen: 0.638 ug/l
RT: 12.916 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

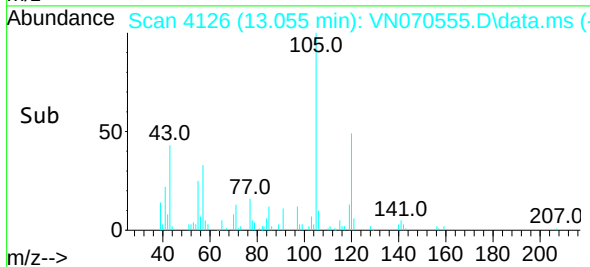
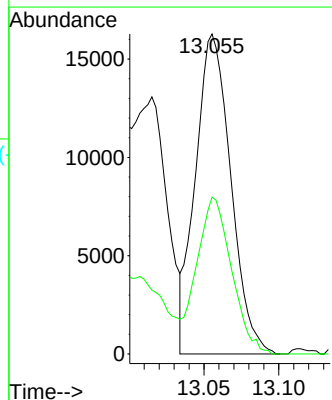
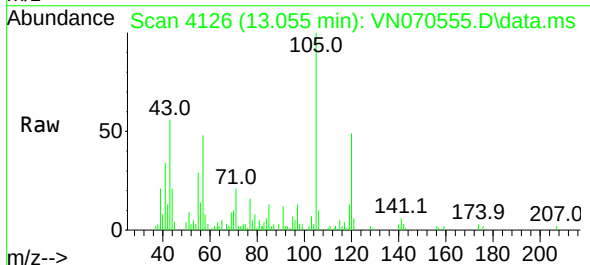
Instrument :
MSVOA_N
ClientSampleId :
20985

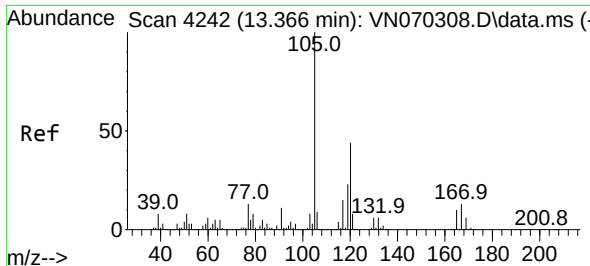
Tgt Ion: 91 Resp: 18870
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 1.250 ug/l
RT: 13.055 min Scan# 4126
Delta R.T. -0.003 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 105 Resp: 26741
Ion Ratio Lower Upper
105 100
120 48.4 24.6 73.6

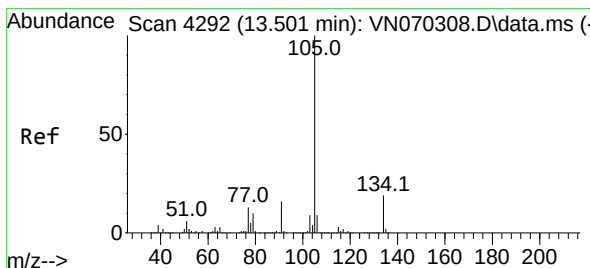
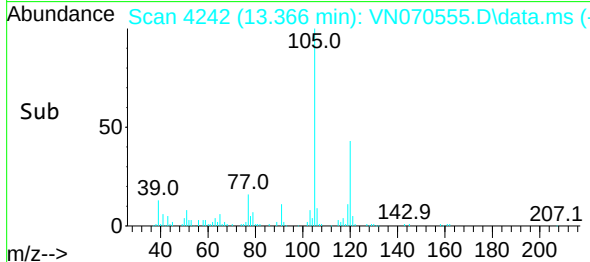
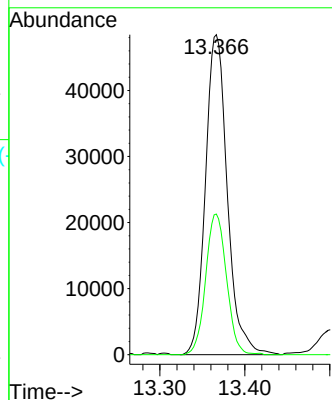
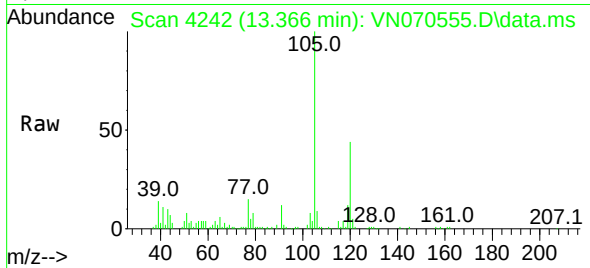




#84
1,2,4-Trimethylbenzene
Concen: 4.195 ug/l
RT: 13.366 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

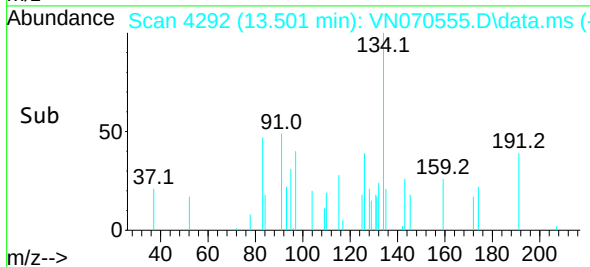
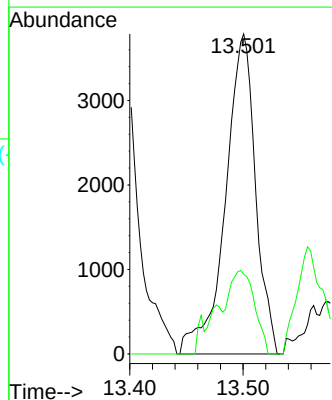
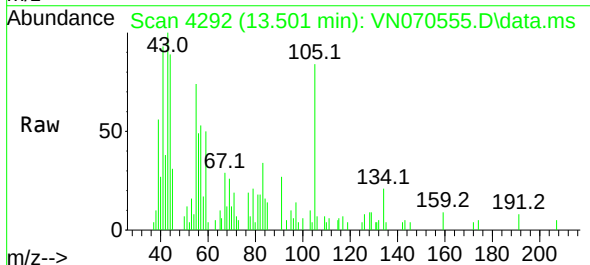
Instrument :
MSVOA_N
ClientSampleId :
20985

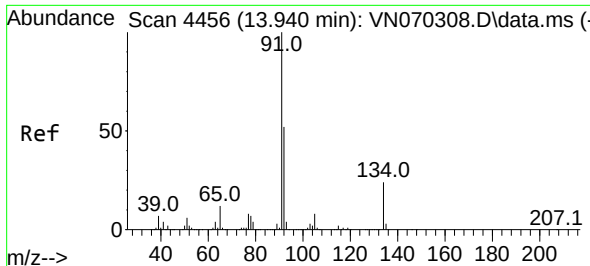
Tgt Ion:105 Resp: 86445
Ion Ratio Lower Upper
105 100
120 41.9 22.8 68.4



#85
sec-Butylbenzene
Concen: 0.273 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion:105 Resp: 6983
Ion Ratio Lower Upper
105 100
134 22.4 10.4 31.1

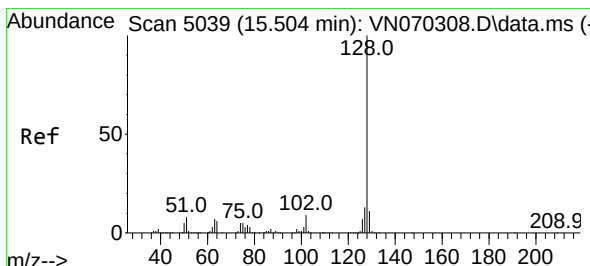
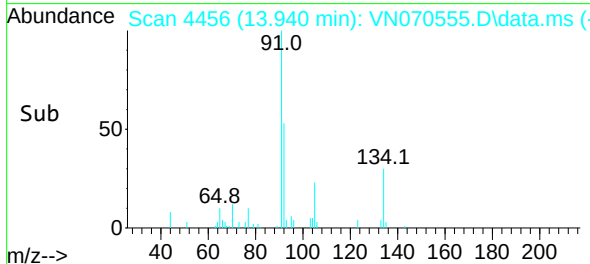
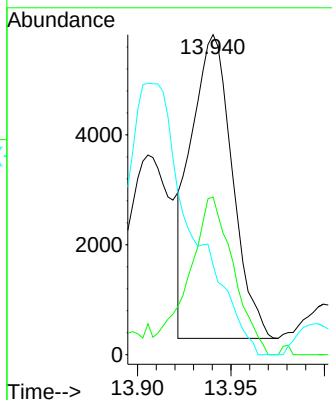
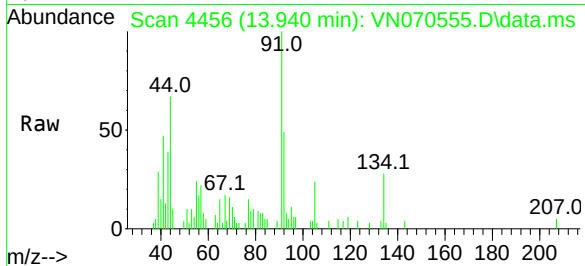




#89
n-Butylbenzene
Concen: 0.506 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Instrument :
MSVOA_N
ClientSampleId :
20985

Tgt Ion: 91 Resp: 8480
Ion Ratio Lower Upper
91 100
92 56.5 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 5.295 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070555.D
Acq: 10 Jan 2022 20:16

Tgt Ion: 128 Resp: 47547
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 8.9 8.7 13.1

