

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070519.D
 Acq On : 6 Jan 2022 15:11
 Operator : JC/MD
 Sample : N1012-11RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31243RE

Quant Time: Jan 08 01:39:16 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)

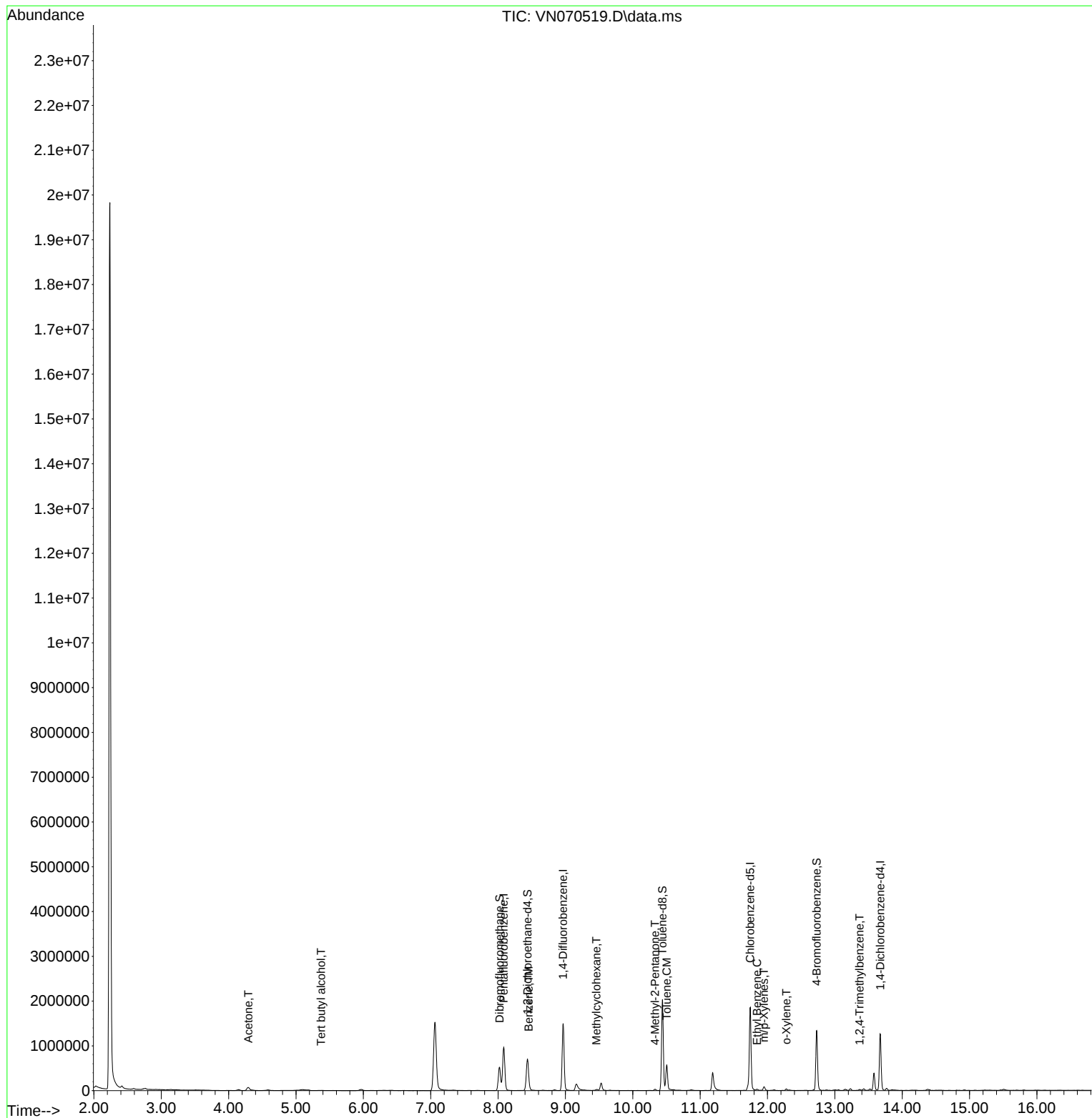
Internal Standards						
1) Pentafluorobenzene	8.083	168	742225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1291625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1068731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	348594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	566227	53.058	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.120%	
35) Dibromofluoromethane	8.021	113	388768	49.747	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.500%	
50) Toluene-d8	10.440	98	1392561	43.620	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 87.240%	
62) 4-Bromofluorobenzene	12.731	95	488448	42.361	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 84.720%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.374	59	8674	4.882	ug/l	# 76
16) Acetone	4.293	43	131477	18.979	ug/l	98
39) Methylcyclohexane	9.459	83	5981	0.382	ug/l	# 91
40) Benzene	8.456	78	35579	0.898	ug/l	96
51) 4-Methyl-2-Pentanone	10.331	43	20770	1.251	ug/l	95
52) Toluene	10.505	92	241254	10.056	ug/l	100
67) Ethyl Benzene	11.843	91	17009	0.409	ug/l	99
68) m/p-Xylenes	11.948	106	27149	1.795	ug/l	97
69) o-Xylene	12.280	106	8905	0.592	ug/l	99
84) 1,2,4-Trimethylbenzene	13.366	105	13396	0.536	ug/l	90

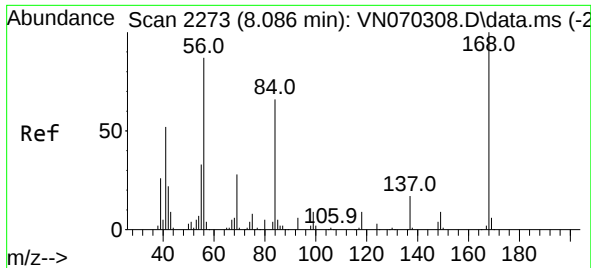
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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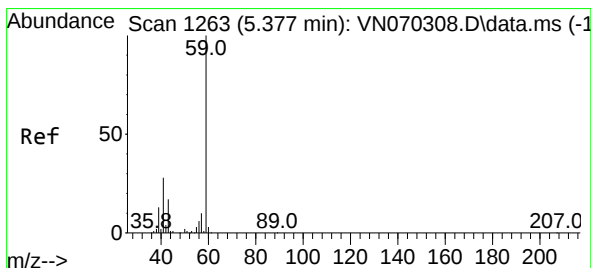
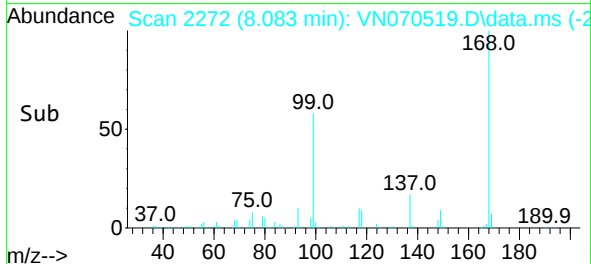
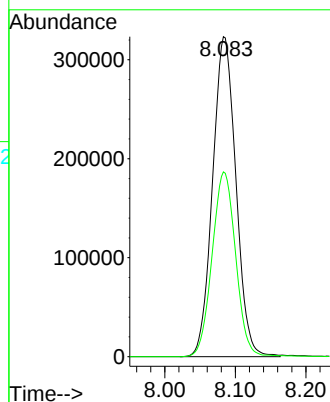
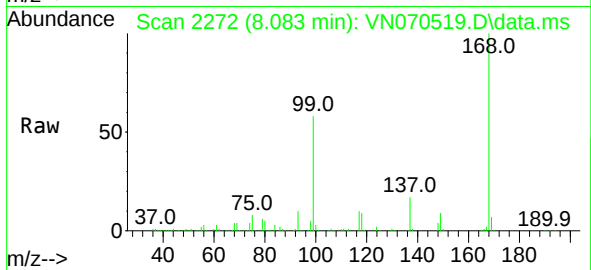




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

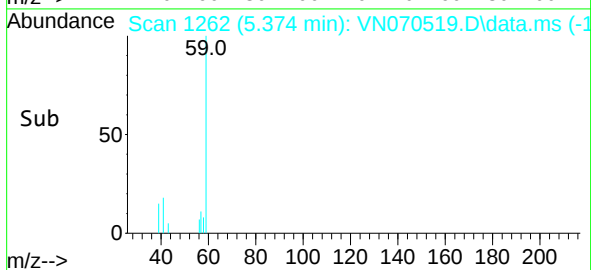
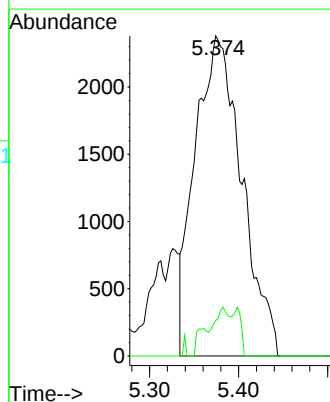
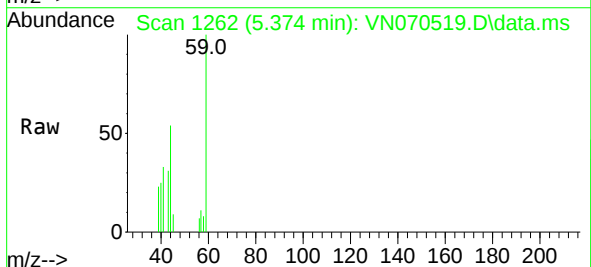
Instrument :
MSVOA_N
ClientSampleId :
31243RE

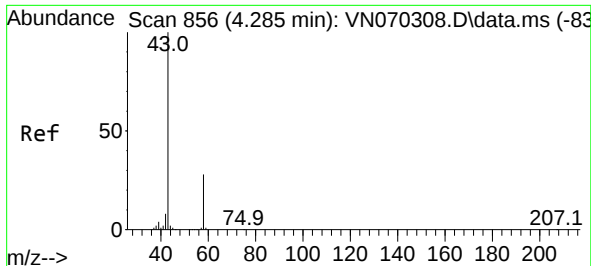
Tgt Ion:168 Resp: 742225
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#11
Tert butyl alcohol
Concen: 4.882 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.003 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 59 Resp: 8674
Ion Ratio Lower Upper
59 100
57 2.0 8.7 13.1#

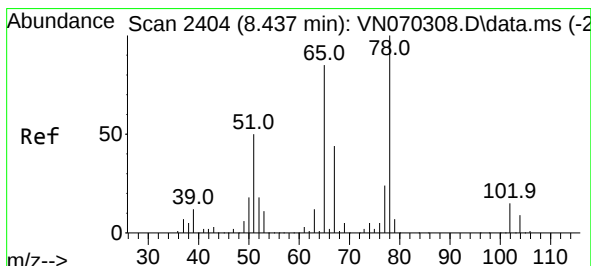
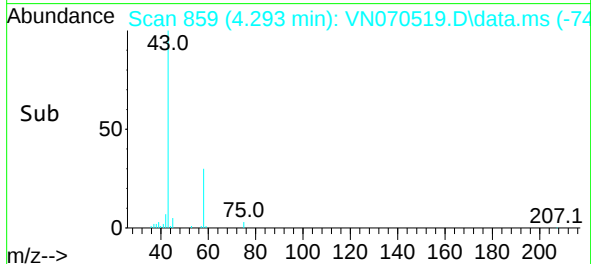
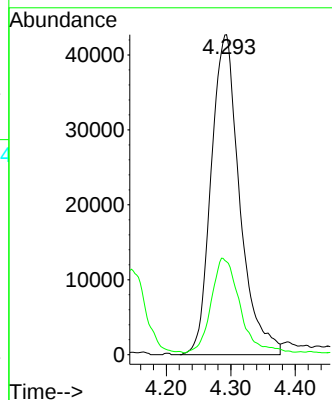
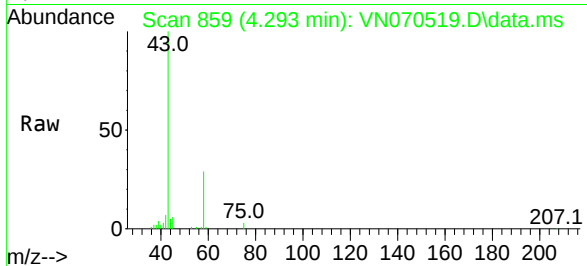




#16
Acetone
Concen: 18.979 ug/l
RT: 4.293 min Scan# 856
Delta R.T. 0.008 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

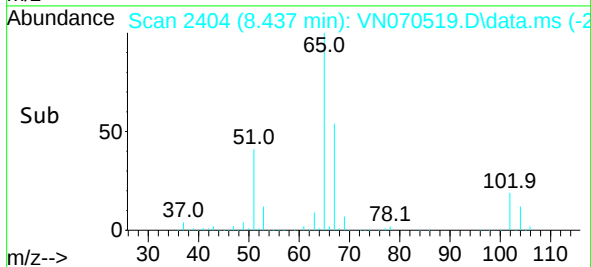
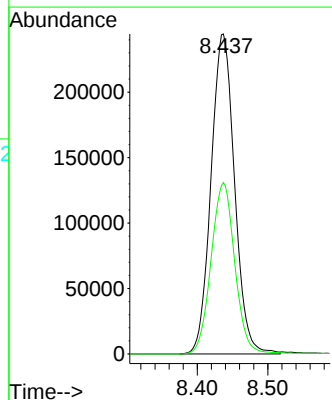
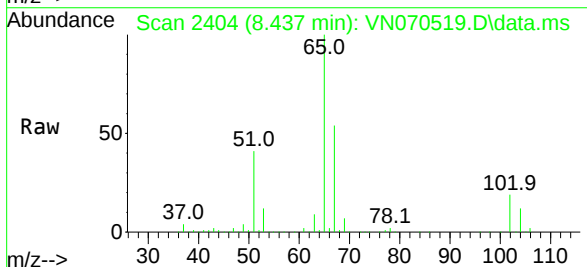
Instrument :
MSVOA_N
ClientSampleId :
31243RE

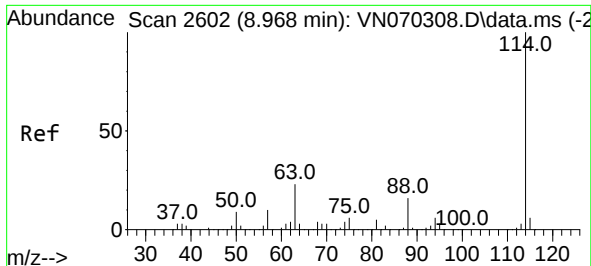
Tgt Ion: 43 Resp: 131477
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



#33
1,2-Dichloroethane-d4
Concen: 53.058 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 65 Resp: 566227
Ion Ratio Lower Upper
65 100
67 54.1 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: VN070519.D

Acq: 6 Jan 2022 15:11

Instrument :

MSVOA_N

ClientSampleId :

31243RE

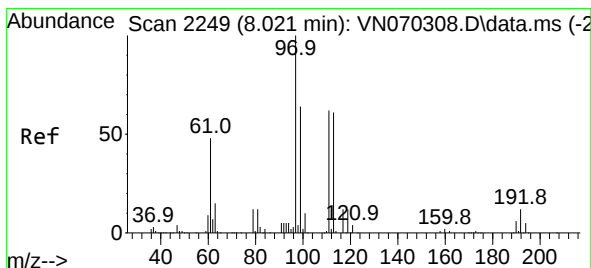
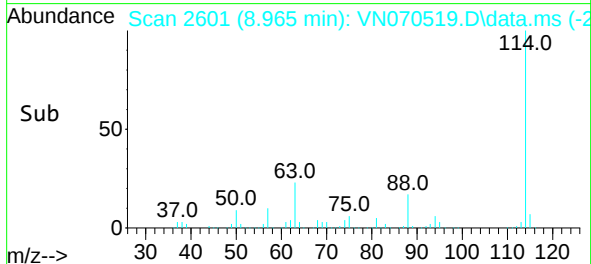
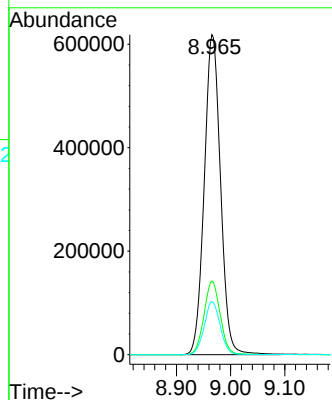
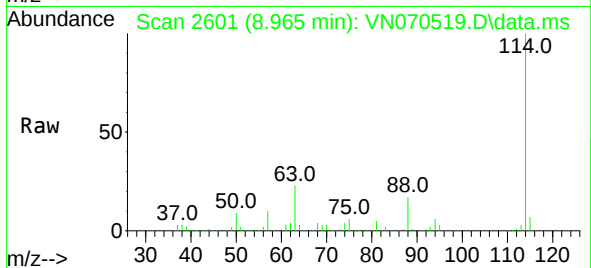
Tgt Ion:114 Resp: 1291625

Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 16.6 0.0 27.4



#35

Dibromofluoromethane

Concen: 49.747 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070519.D

Acq: 6 Jan 2022 15:11

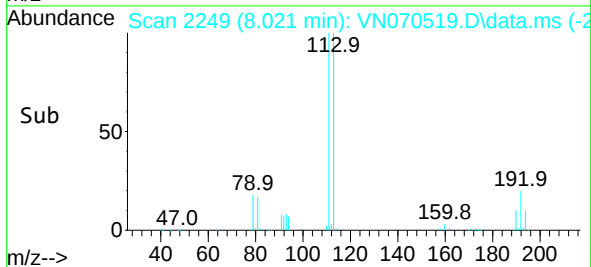
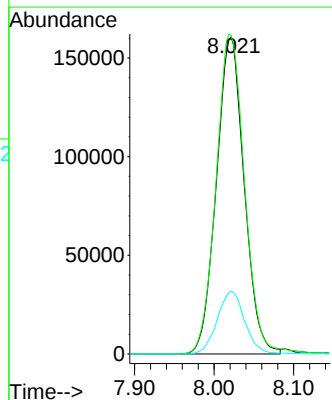
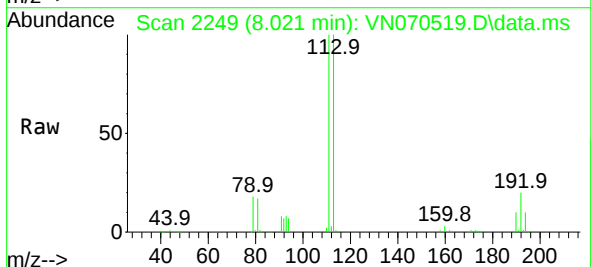
Tgt Ion:113 Resp: 388768

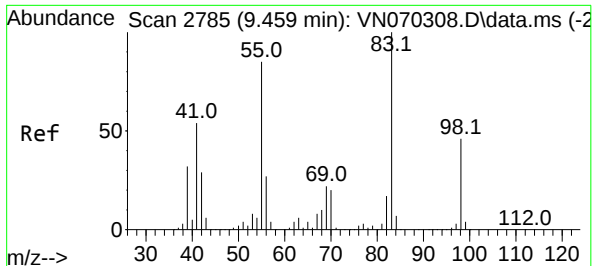
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

192 19.7 16.9 25.3





#39

Methylcyclohexane

Concen: 0.382 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070519.D

Acq: 6 Jan 2022 15:11

Instrument :

MSVOA_N

ClientSampleId :

31243RE

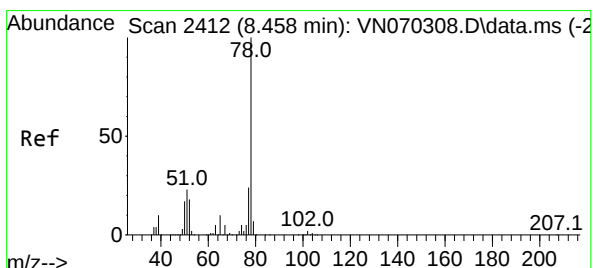
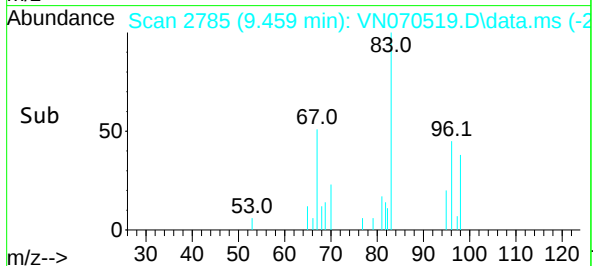
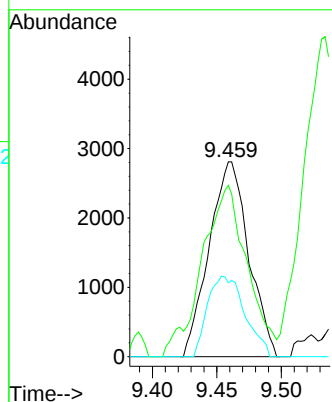
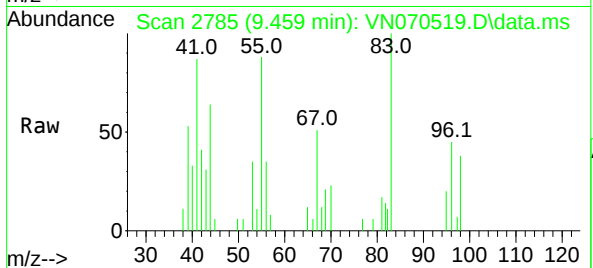
Tgt Ion: 83 Resp: 5981

Ion Ratio Lower Upper

83 100

55 76.5 58.1 87.1

98 37.9 38.4 57.6#



#40

Benzene

Concen: 0.898 ug/l

RT: 8.456 min Scan# 2411

Delta R.T. -0.002 min

Lab File: VN070519.D

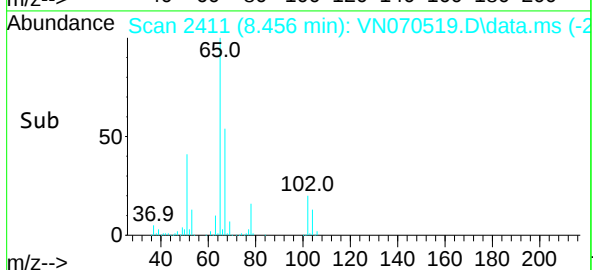
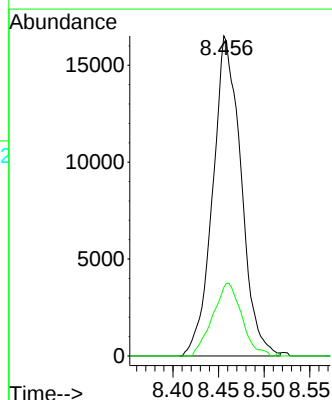
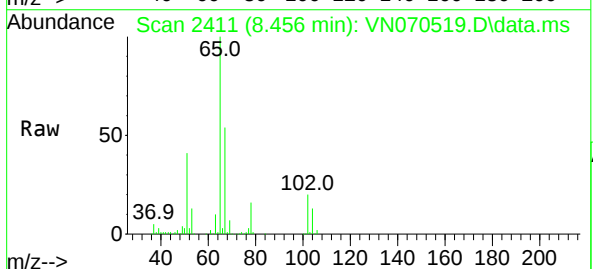
Acq: 6 Jan 2022 15:11

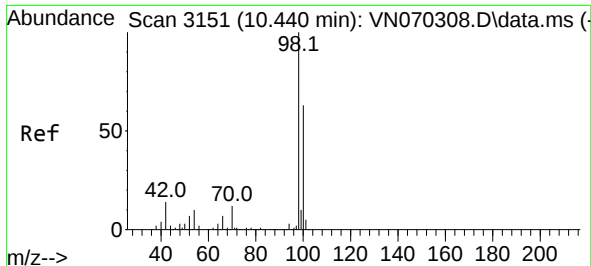
Tgt Ion: 78 Resp: 35579

Ion Ratio Lower Upper

78 100

77 21.4 18.6 27.8

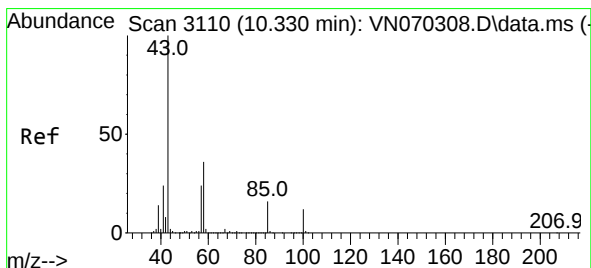
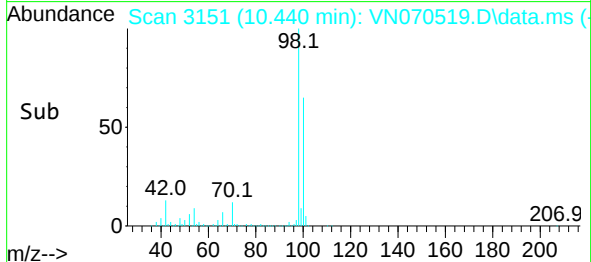
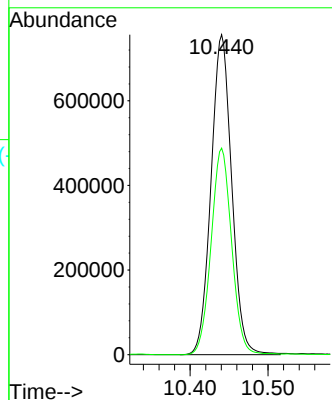
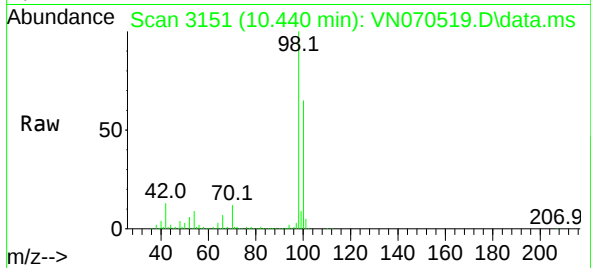




#50
Toluene-d8
Concen: 43.620 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

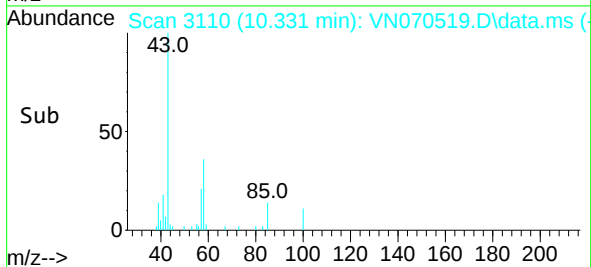
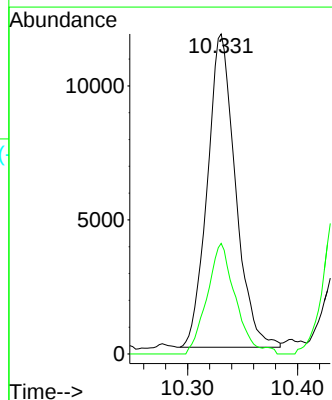
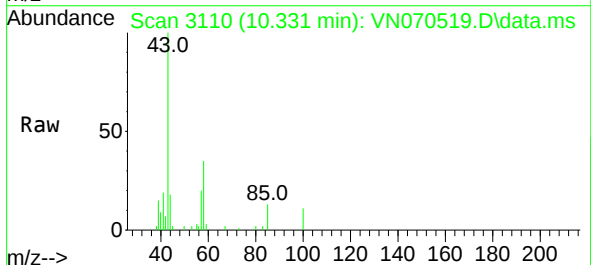
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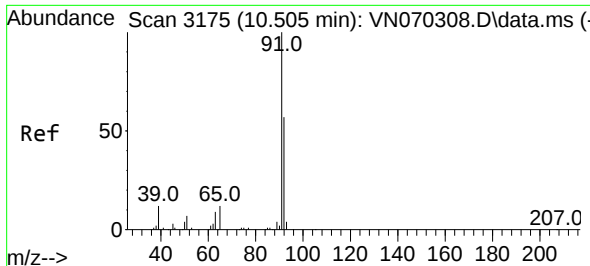
Tgt Ion: 98 Resp: 1392561
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.251 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 43 Resp: 20770
Ion Ratio Lower Upper
43 100
58 35.0 30.4 45.6

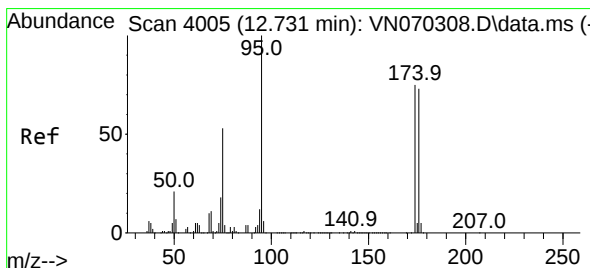
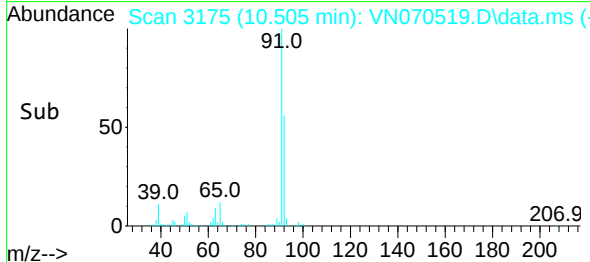
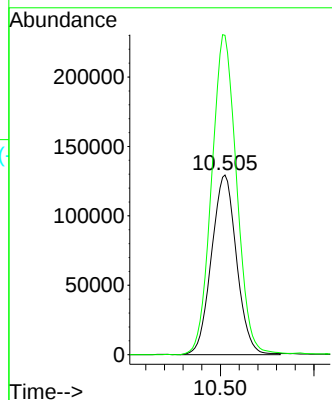
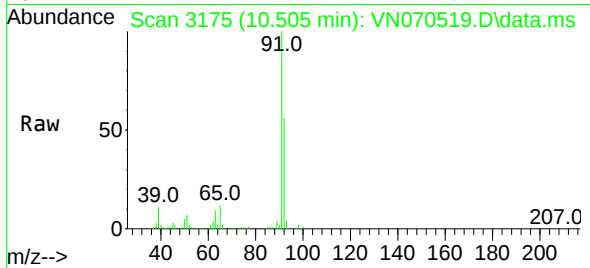




#52
Toluene
Concen: 10.056 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

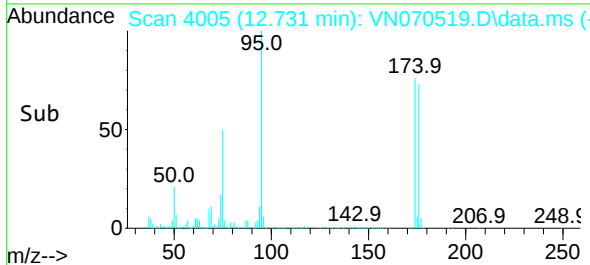
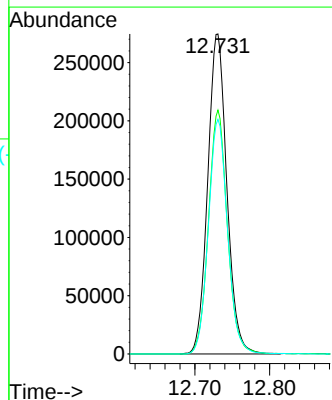
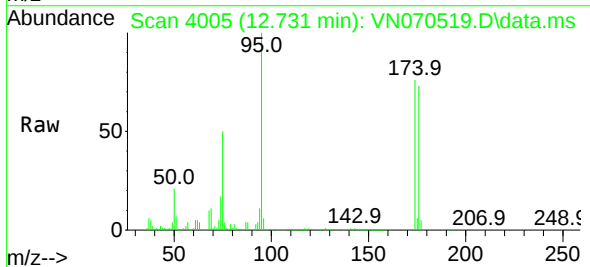
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31243RE

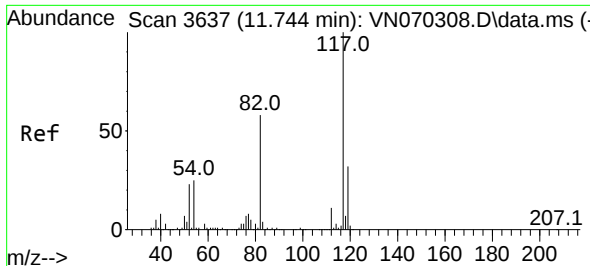
Tgt Ion: 92 Resp: 241254
Ion Ratio Lower Upper
92 100
91 178.0 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 42.361 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 95 Resp: 488448
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 73.3 0.0 181.4

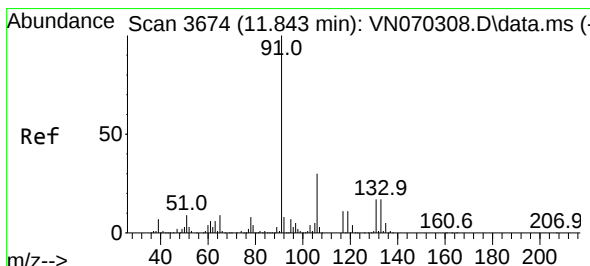
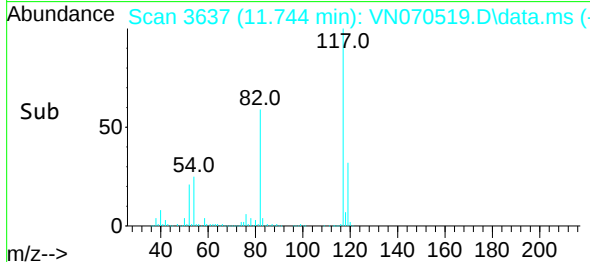
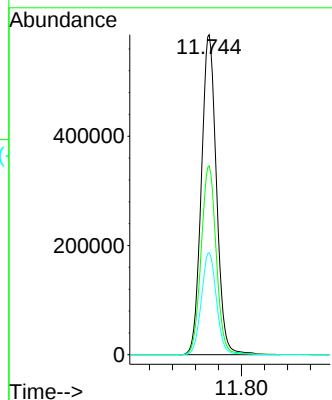
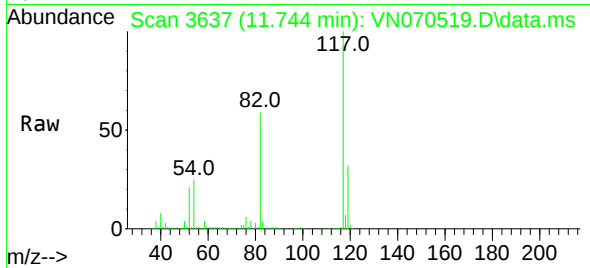




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

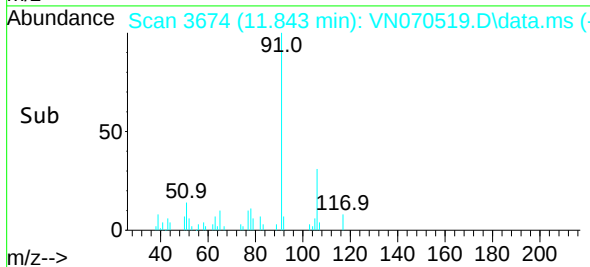
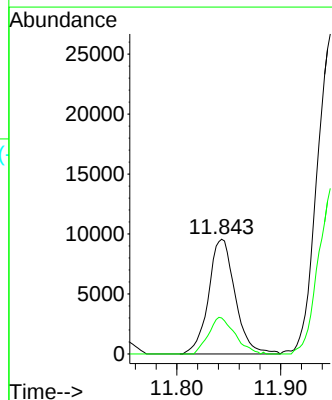
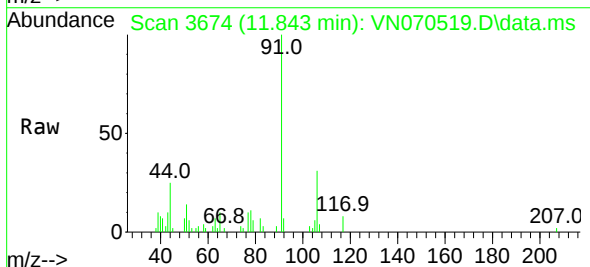
Instrument :
MSVOA_N
ClientSampleId :
31243RE

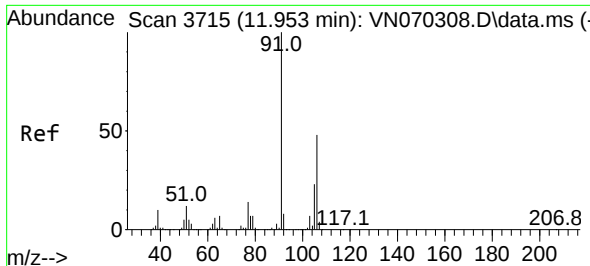
Tgt Ion:117 Resp: 1068731
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 31.8 25.4 38.2



#67
Ethyl Benzene
Concen: 0.409 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 91 Resp: 17009
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

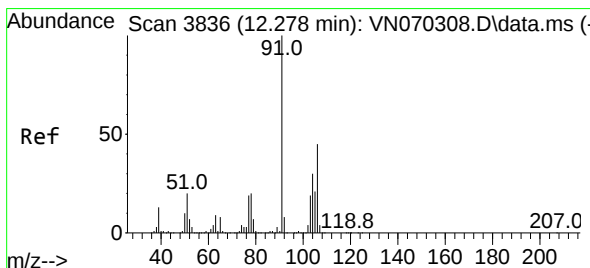
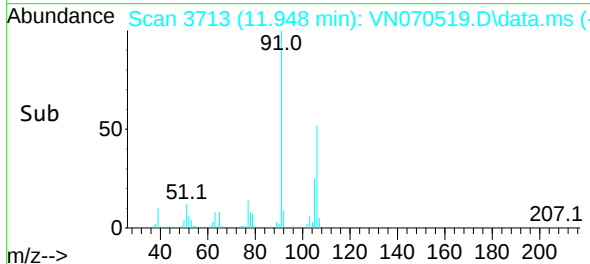
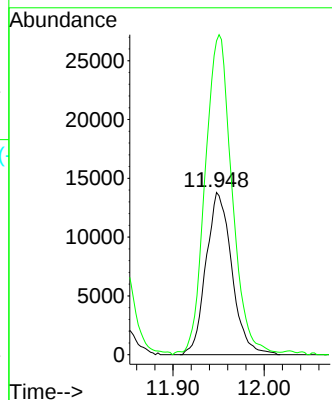
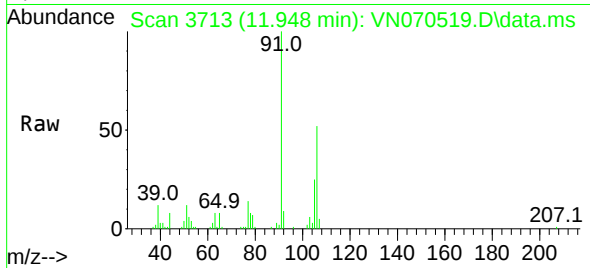




#68
m/p-Xylenes
Concen: 1.795 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

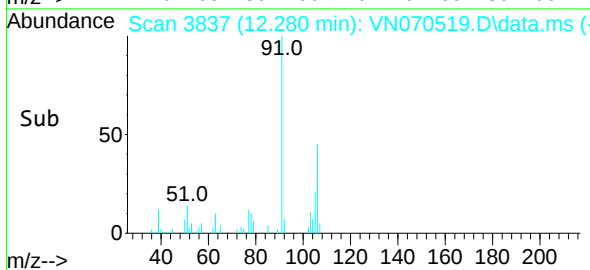
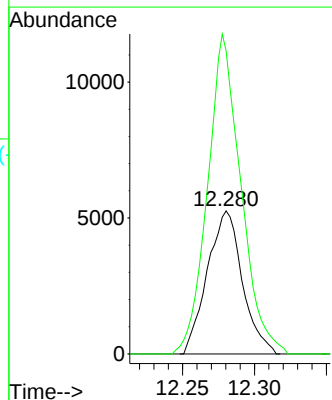
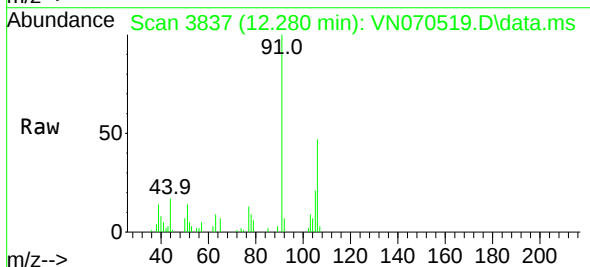
Instrument :
MSVOA_N
ClientSampleId :
31243RE

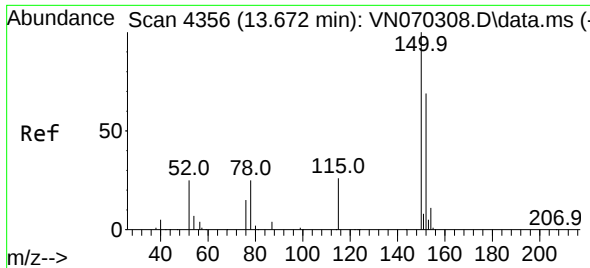
Tgt Ion:106 Resp: 27149
Ion Ratio Lower Upper
106 100
91 205.1 160.6 240.8



#69
o-Xylene
Concen: 0.592 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion:106 Resp: 8905
Ion Ratio Lower Upper
106 100
91 213.0 105.8 317.3

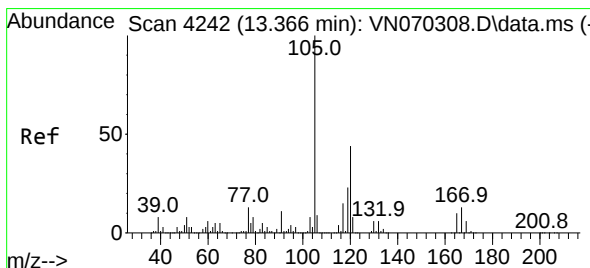
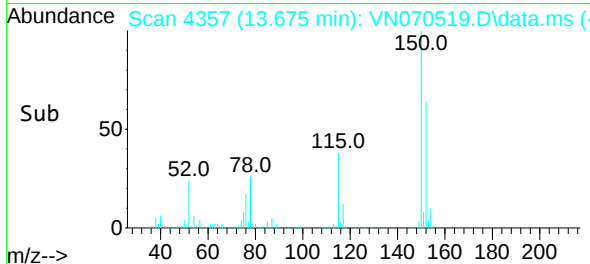
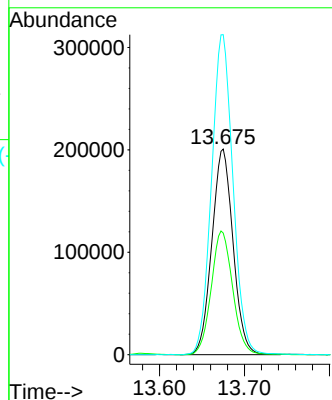
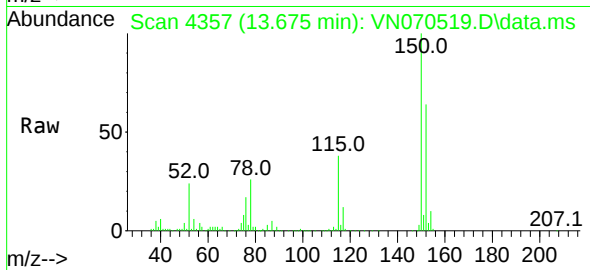




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070519.D
 Acq: 6 Jan 2022 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 31243RE

Tgt Ion:152 Resp: 348594
 Ion Ratio Lower Upper
 152 100
 115 60.8 27.5 82.5
 150 157.3 0.0 344.4



#84
 1,2,4-Trimethylbenzene
 Concen: 0.536 ug/l
 RT: 13.366 min Scan# 4242
 Delta R.T. 0.000 min
 Lab File: VN070519.D
 Acq: 6 Jan 2022 15:11

Tgt Ion:105 Resp: 13396
 Ion Ratio Lower Upper
 105 100
 120 39.1 22.8 68.4

