

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070913.D
 Acq On : 3 Feb 2022 00:57
 Operator : JC/MD
 Sample : N1342-03DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31524DL

Quant Time: Feb 03 06:00:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

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

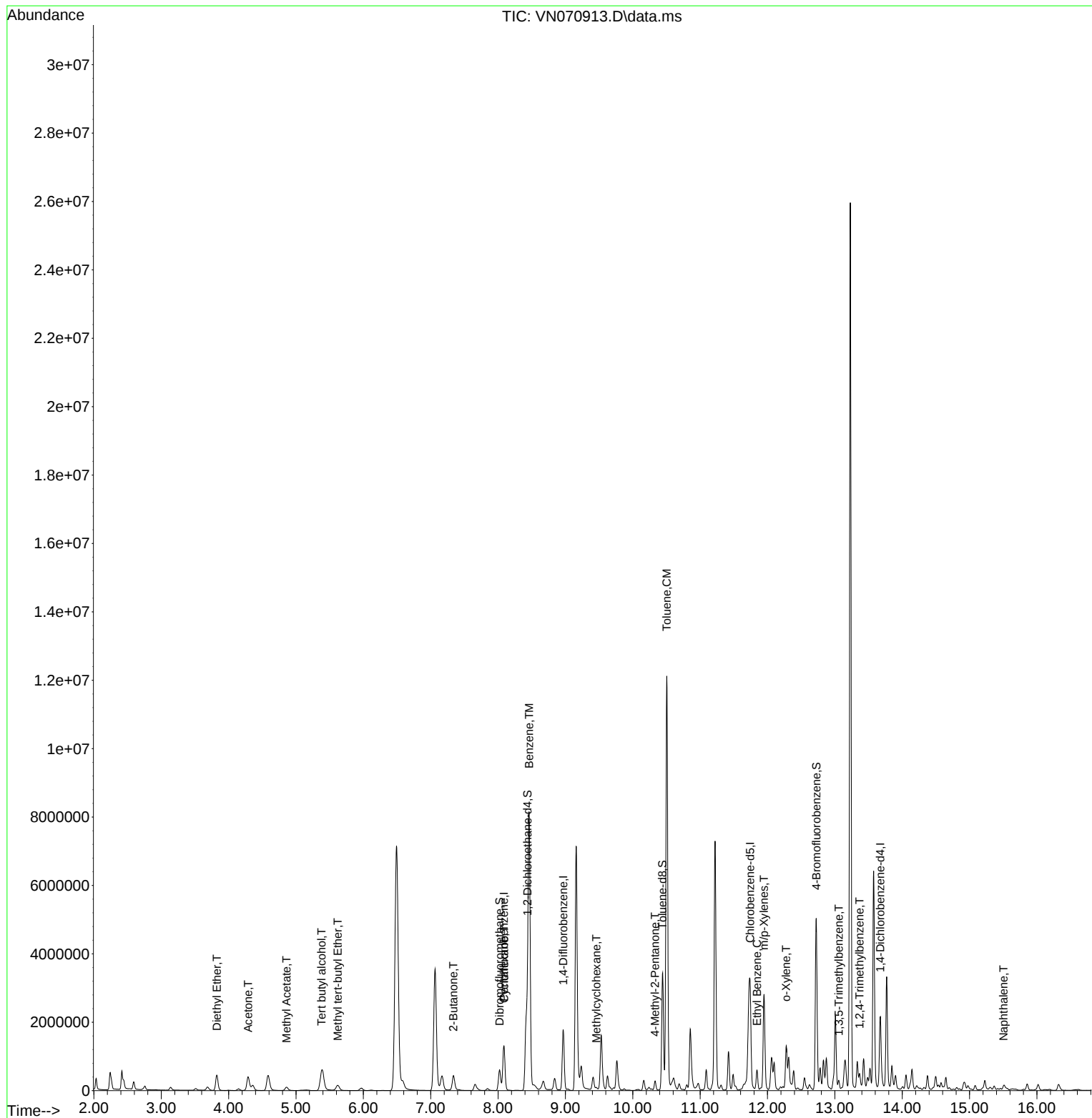
Internal Standards						
1) Pentafluorobenzene	8.086	168	973877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1538459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1334713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	560907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	615302	46.676	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.360%		
35) Dibromofluoromethane	8.021	113	450217	48.850	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.700%		
50) Toluene-d8	10.441	98	1890280	49.953	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.900%		
62) 4-Bromofluorobenzene	12.728	95	675587	49.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.100%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.824	74	250160	33.876	ug/l	84
11) Tert butyl alcohol	5.380	59	789363	284.969	ug/l	99
16) Acetone	4.288	43	747262	94.801	ug/l	97
18) Methyl Acetate	4.859	43	209945	11.320	ug/l	93
19) Methyl tert-butyl Ether	5.621	73	225213	6.010	ug/l #	82
25) 2-Butanone	7.337	43	735295	64.625	ug/l	93
31) Cyclohexane	8.091	56	62021	2.769	ug/l #	67
39) Methylcyclohexane	9.459	83	31909	1.734	ug/l #	89
40) Benzene	8.461	78	8182638	173.956	ug/l	99
51) 4-Methyl-2-Pentanone	10.331	43	185804	9.100	ug/l	97
52) Toluene	10.505	92	5308864	182.153	ug/l	96
67) Ethyl Benzene	11.843	91	414266	8.135	ug/l	95
68) m/p-Xylenes	11.948	106	851215	45.114	ug/l	92
69) o-Xylene	12.278	106	331829	17.572	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	144043	3.631	ug/l	95
84) 1,2,4-Trimethylbenzene	13.367	105	257670	6.642	ug/l	95
95) Naphthalene	15.504	128	65078	5.600	ug/l	97

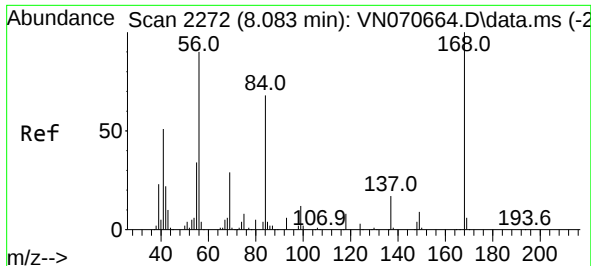
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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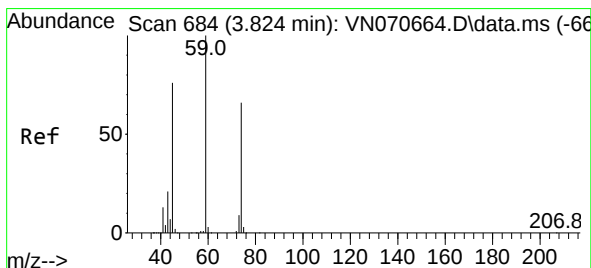
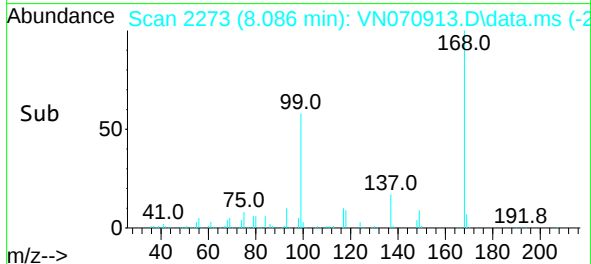
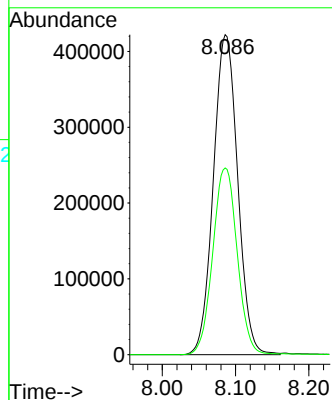
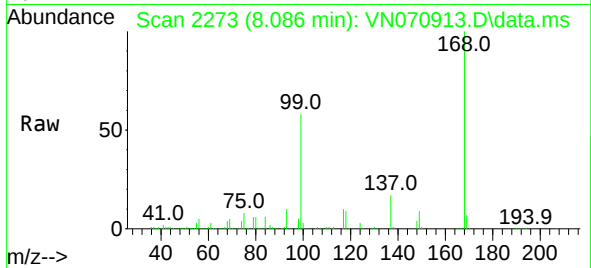




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

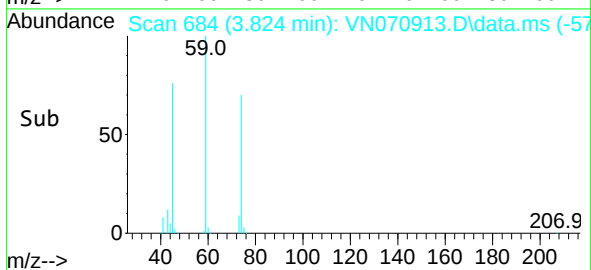
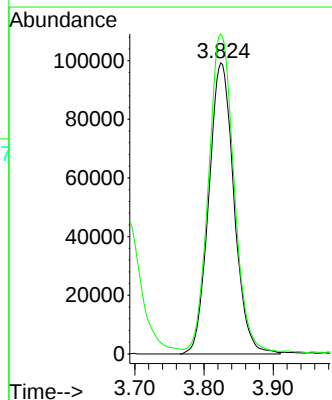
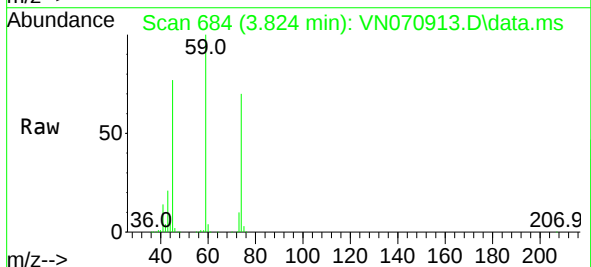
Instrument :
MSVOA_N
ClientSampleId :
31524DL

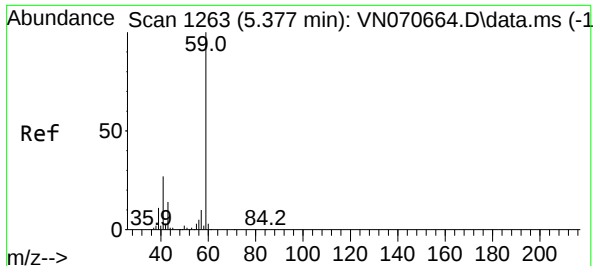
Tgt Ion:168 Resp: 973877
Ion Ratio Lower Upper
168 100
99 58.3 41.3 61.9



#8
Diethyl Ether
Concen: 33.876 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.003 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

Tgt Ion: 74 Resp: 250160
Ion Ratio Lower Upper
74 100
45 109.8 47.0 141.2





#11

Tert butyl alcohol

Concen: 284.969 ug/l

RT: 5.380 min Scan# 11

Delta R.T. -0.002 min

Lab File: VN070913.D

Acq: 3 Feb 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

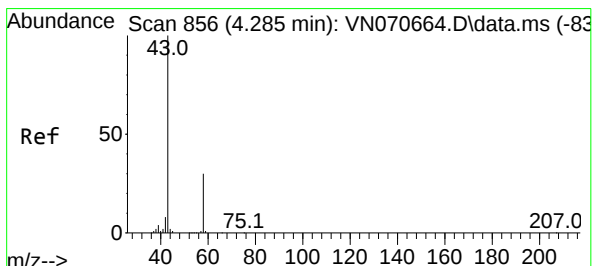
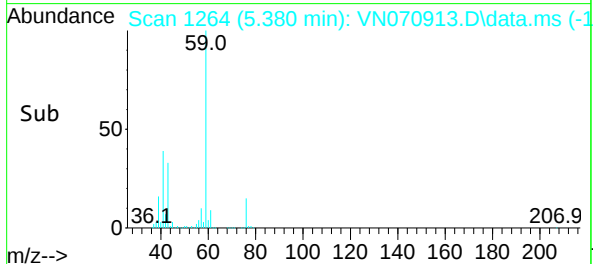
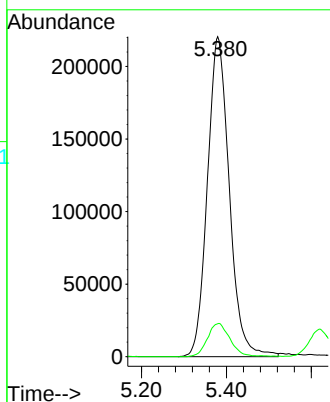
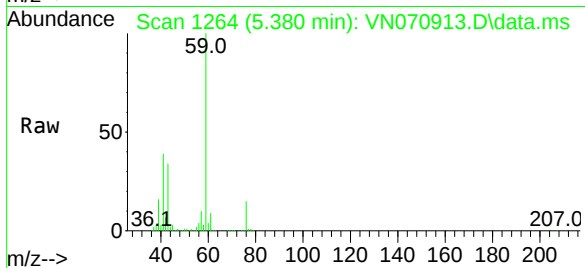
31524DL

Tgt Ion: 59 Resp: 789363

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



#16

Acetone

Concen: 94.801 ug/l

RT: 4.288 min Scan# 857

Delta R.T. 0.003 min

Lab File: VN070913.D

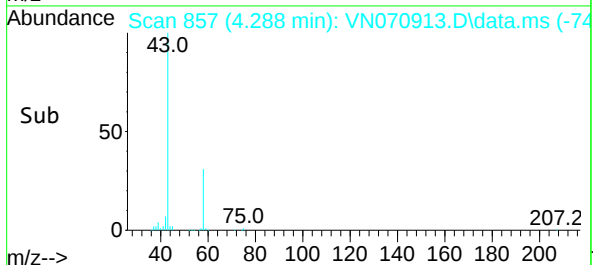
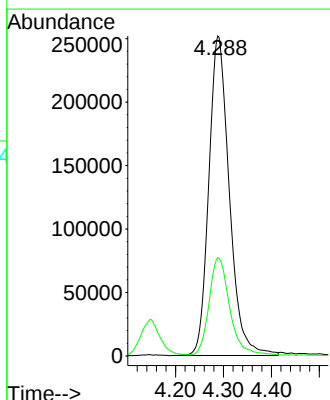
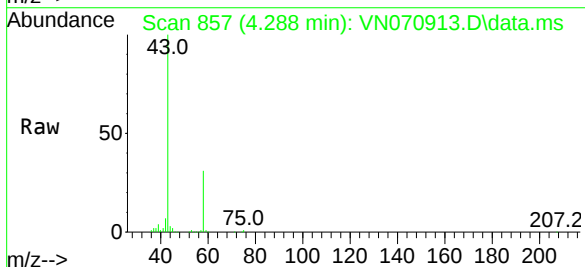
Acq: 3 Feb 2022 00:57

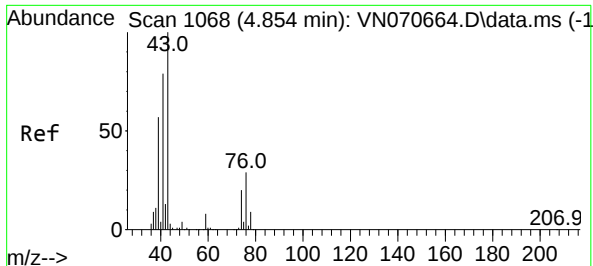
Tgt Ion: 43 Resp: 747262

Ion Ratio Lower Upper

43 100

58 30.4 23.1 34.7

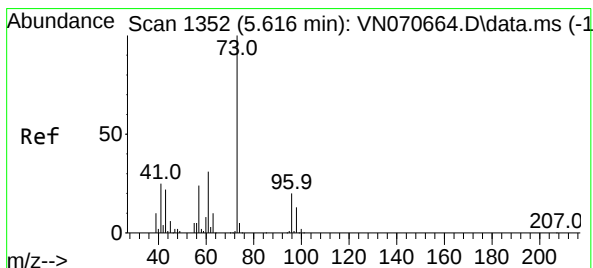
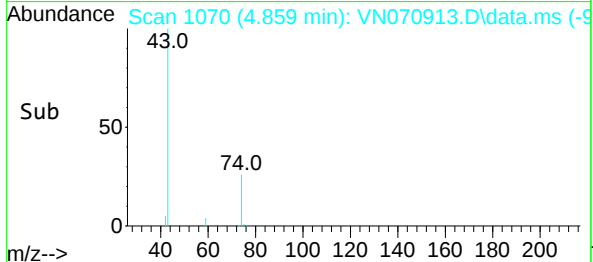
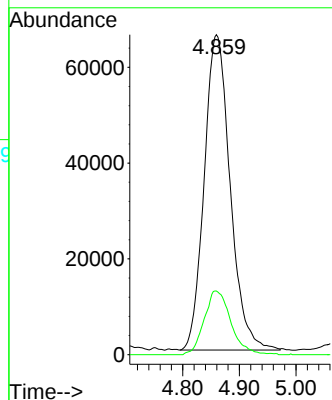
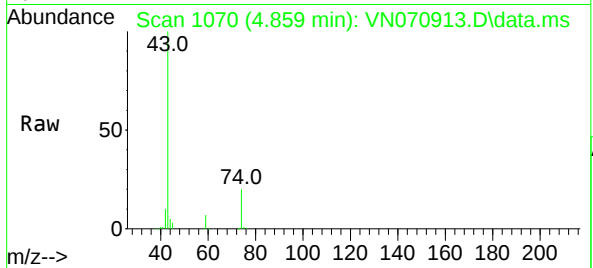




#18
Methyl Acetate
Concen: 11.320 ug/l
RT: 4.859 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

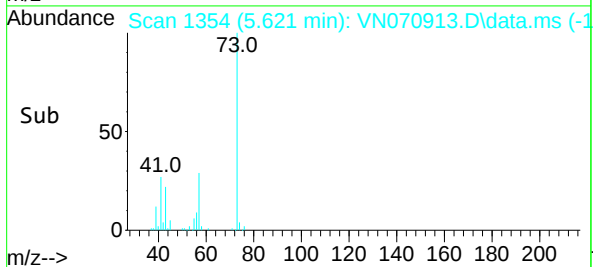
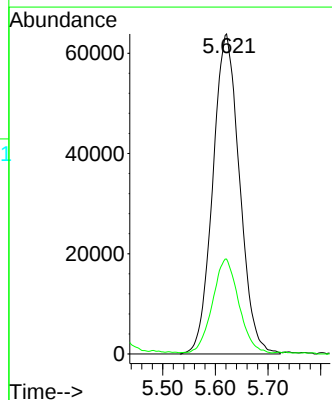
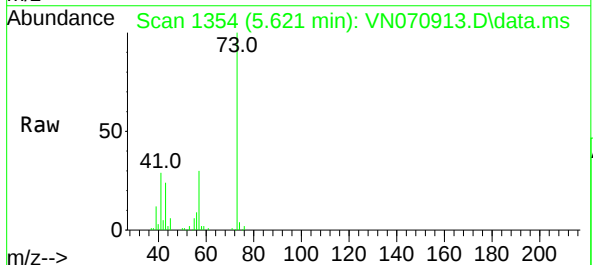
Instrument :
MSVOA_N
ClientSampleId :
31524DL

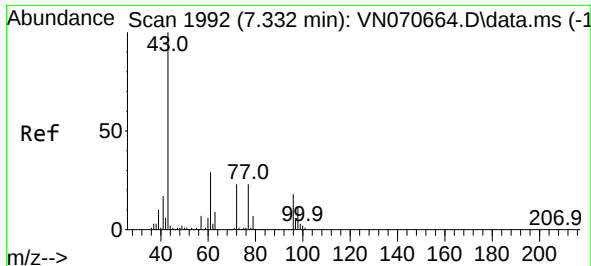
Tgt Ion: 43 Resp: 209945
Ion Ratio Lower Upper
43 100
74 20.7 19.4 29.2



#19
Methyl tert-butyl Ether
Concen: 6.010 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.005 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

Tgt Ion: 73 Resp: 225213
Ion Ratio Lower Upper
73 100
57 29.2 16.8 25.2#





#25

2-Butanone

Concen: 64.625 ug/l

RT: 7.337 min Scan# 1992

Delta R.T. 0.002 min

Lab File: VN070913.D

Acq: 3 Feb 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

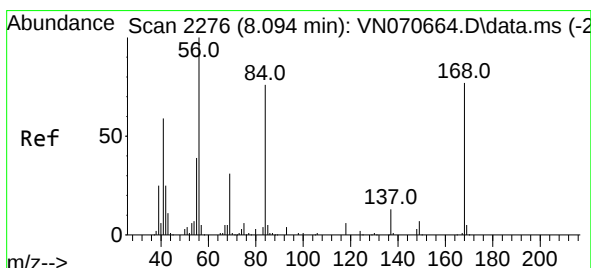
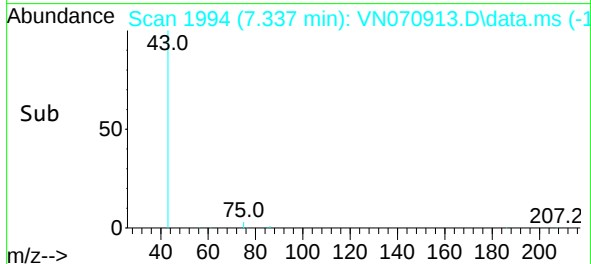
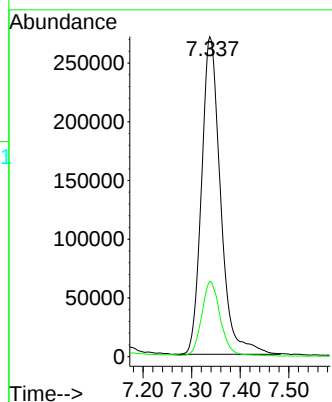
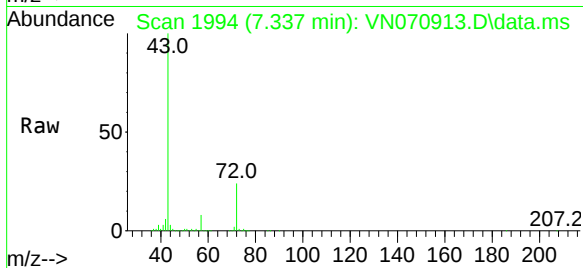
31524DL

Tgt Ion: 43 Resp: 735295

Ion Ratio Lower Upper

43 100

72 23.5 21.7 32.5



#31

Cyclohexane

Concen: 2.769 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.003 min

Lab File: VN070913.D

Acq: 3 Feb 2022 00:57

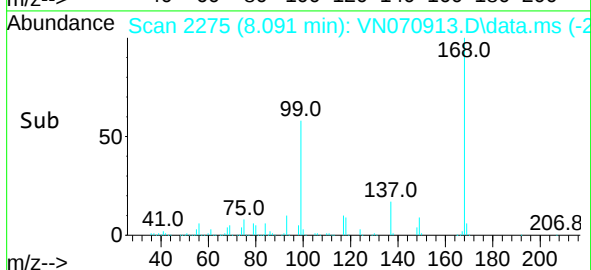
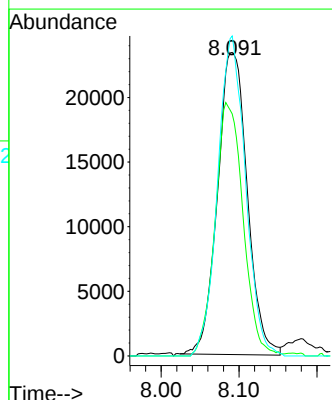
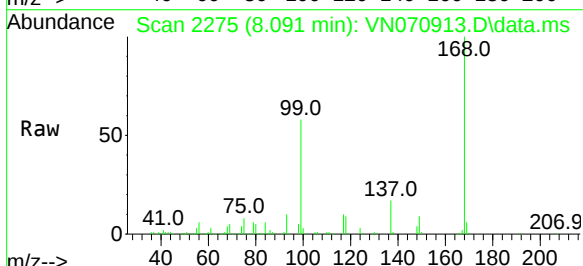
Tgt Ion: 56 Resp: 62021

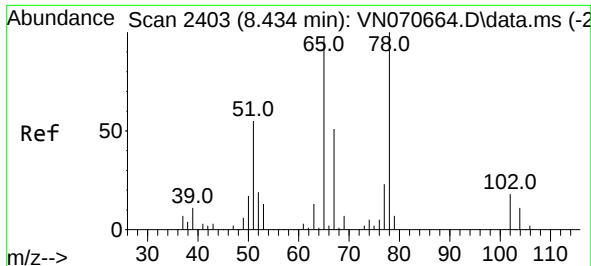
Ion Ratio Lower Upper

56 100

69 80.3 27.1 40.7#

84 106.2 73.4 110.0

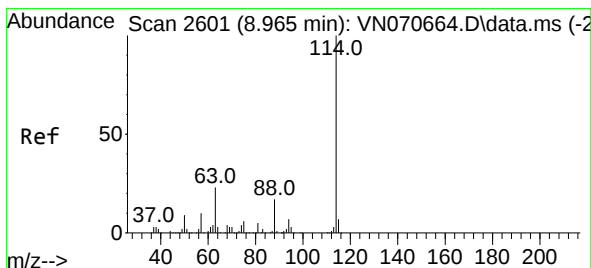
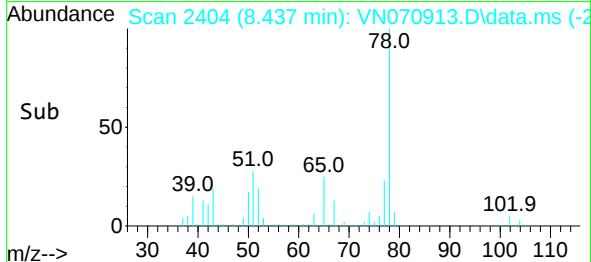
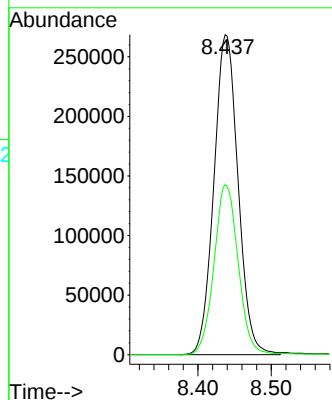
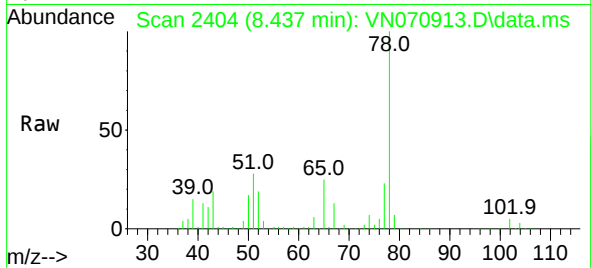




#33
 1,2-Dichloroethane-d4
 Concen: 46.676 ug/l
 RT: 8.437 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VN070913.D
 Acq: 3 Feb 2022 00:57

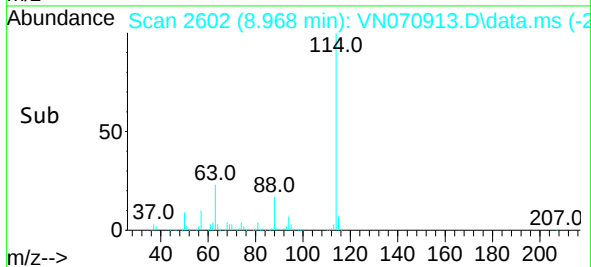
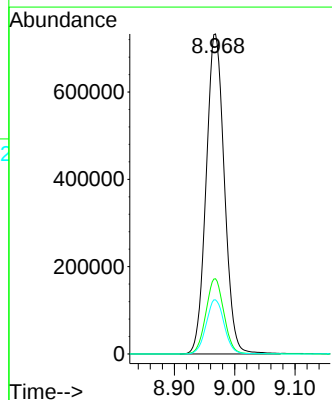
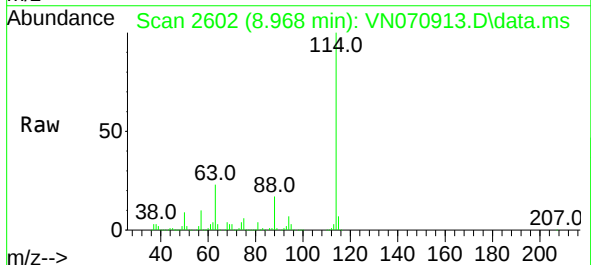
Instrument :
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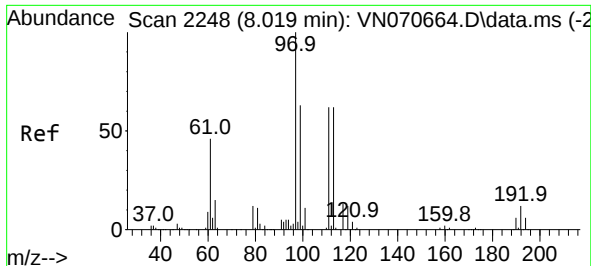
Tgt Ion: 65 Resp: 615302
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.003 min
 Lab File: VN070913.D
 Acq: 3 Feb 2022 00:57

Tgt Ion: 114 Resp: 1538459
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 37.8
 88 16.9 0.0 27.4

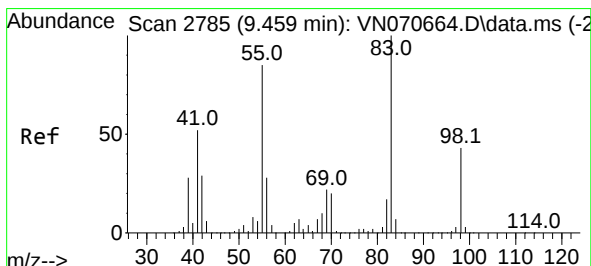
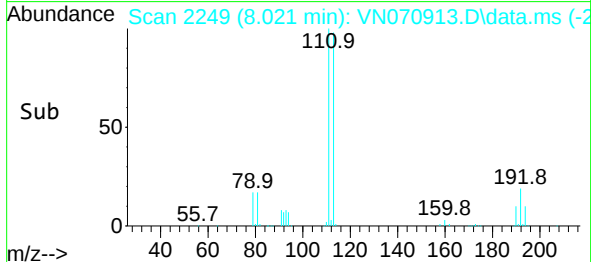
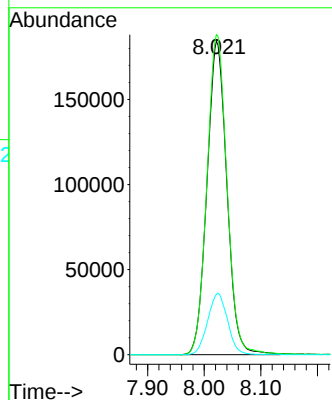
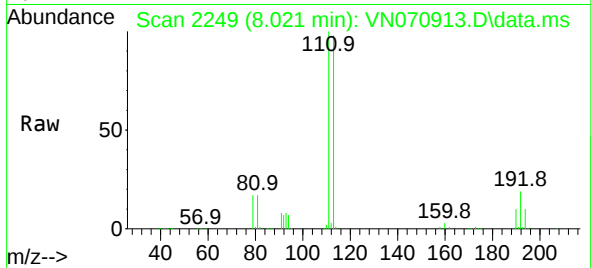




#35
Dibromofluoromethane
Concen: 48.850 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

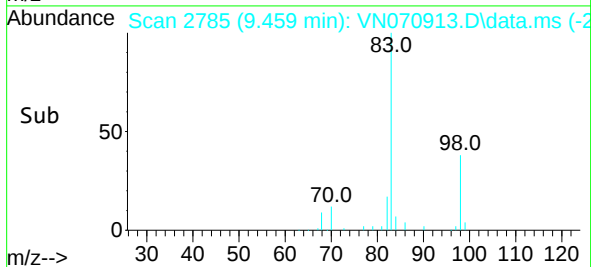
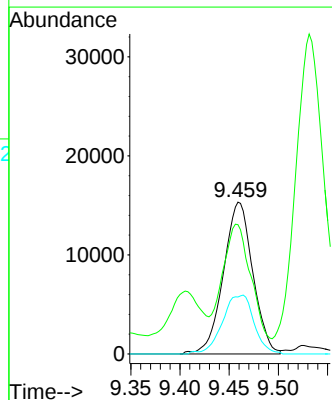
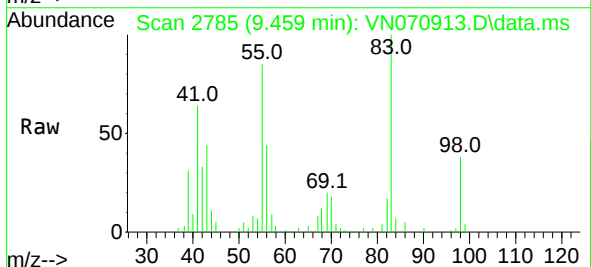
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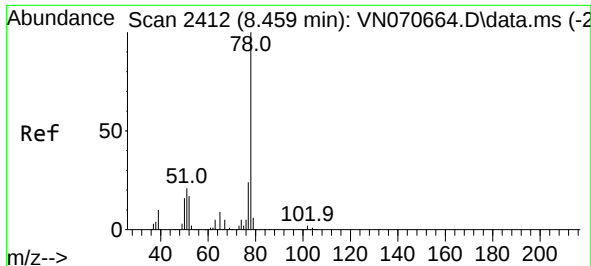
Tgt Ion:113 Resp: 450217
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.6 16.9 25.3



#39
Methylcyclohexane
Concen: 1.734 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

Tgt Ion: 83 Resp: 31909
Ion Ratio Lower Upper
83 100
55 65.2 58.1 87.1
98 37.5 38.4 57.6#

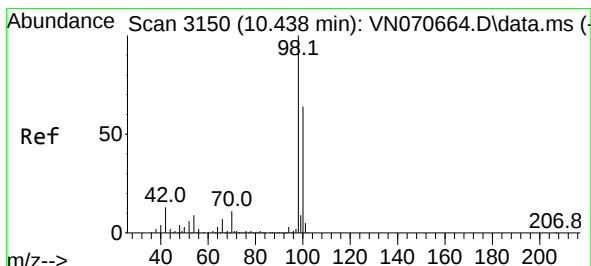
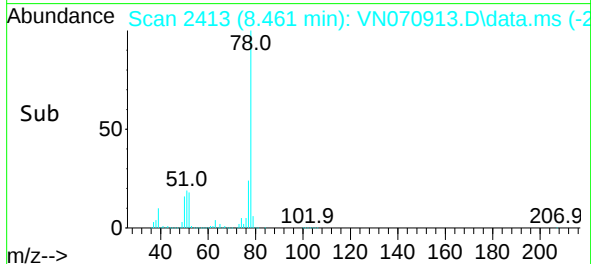
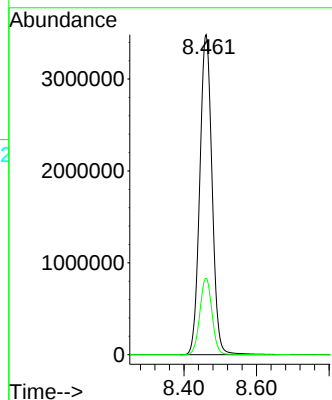
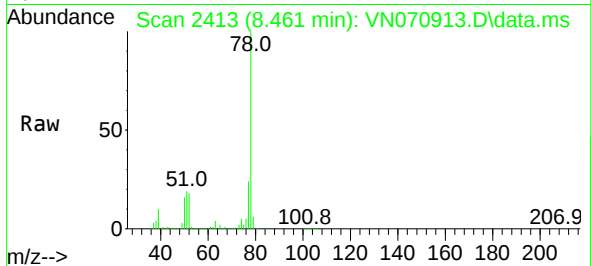




#40
Benzene
Concen: 173.956 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.002 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

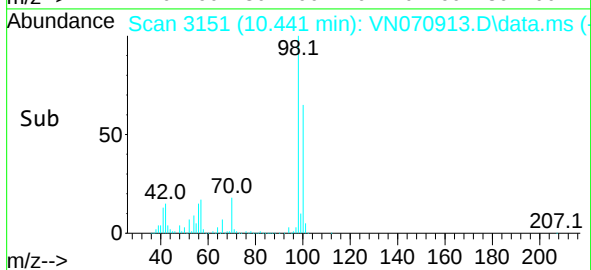
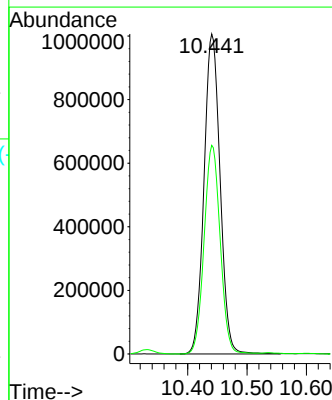
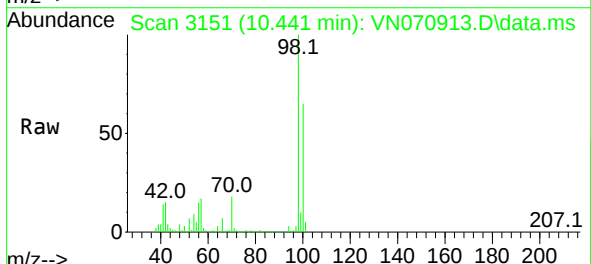
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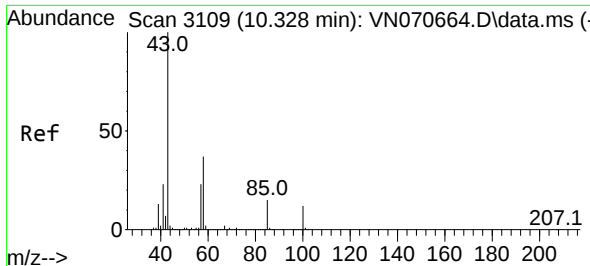
Tgt Ion: 78 Resp: 8182638
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8



#50
Toluene-d8
Concen: 49.953 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.001 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

Tgt Ion: 98 Resp: 1890280
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 9.100 ug/l

RT: 10.331 min Scan# 3110

Delta R.T. -0.000 min

Lab File: VN070913.D

Acq: 3 Feb 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

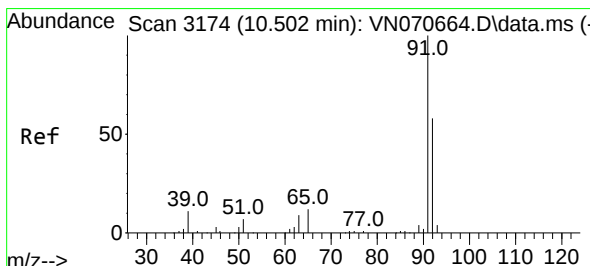
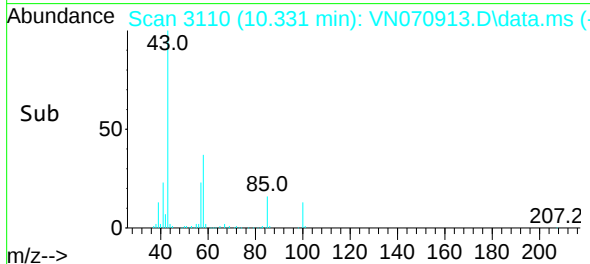
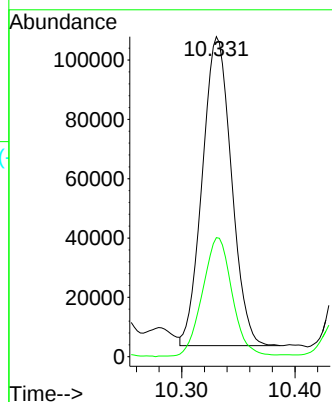
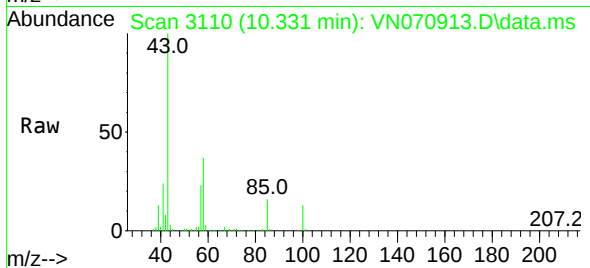
31524DL

Tgt Ion: 43 Resp: 185804

Ion Ratio Lower Upper

43 100

58 39.6 30.4 45.6



#52

Toluene

Concen: 182.153 ug/l

RT: 10.505 min Scan# 3175

Delta R.T. -0.000 min

Lab File: VN070913.D

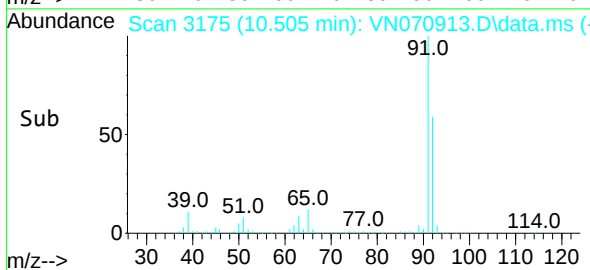
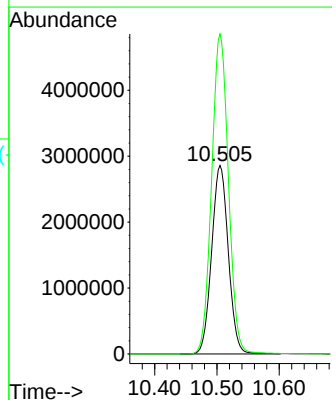
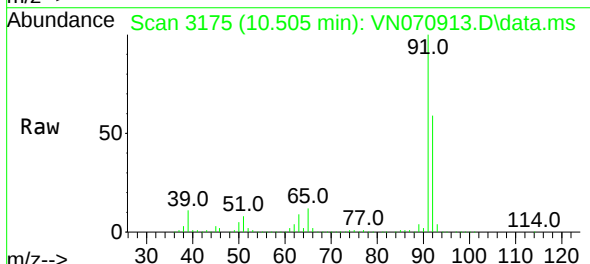
Acq: 3 Feb 2022 00:57

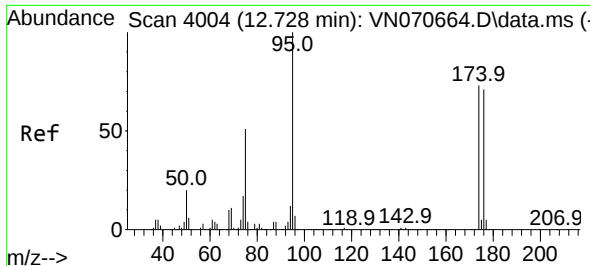
Tgt Ion: 92 Resp: 5308864

Ion Ratio Lower Upper

92 100

91 171.6 142.0 213.0

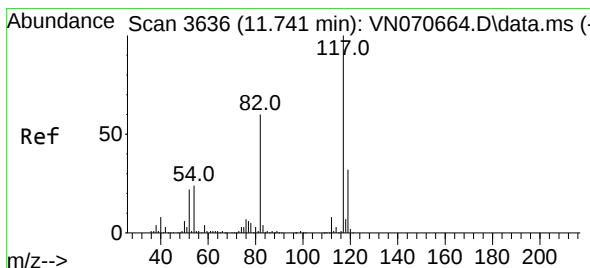
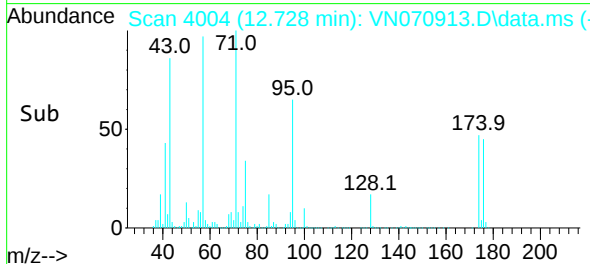
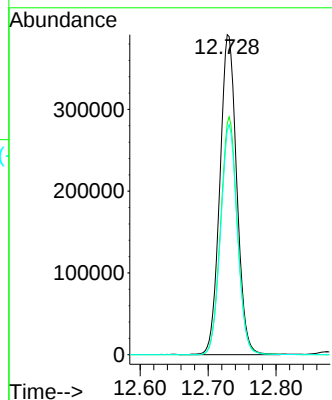
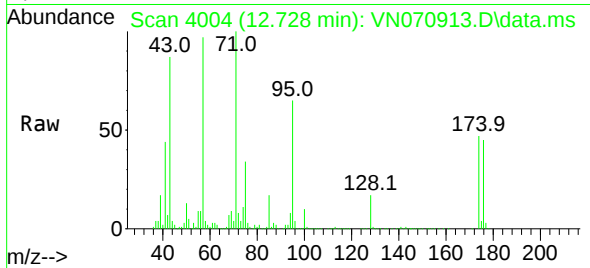




#62
4-Bromofluorobenzene
Concen: 49.549 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

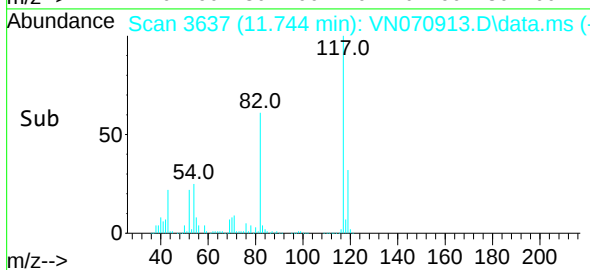
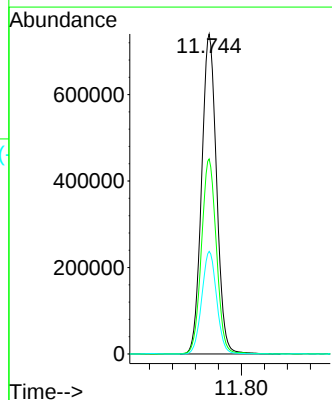
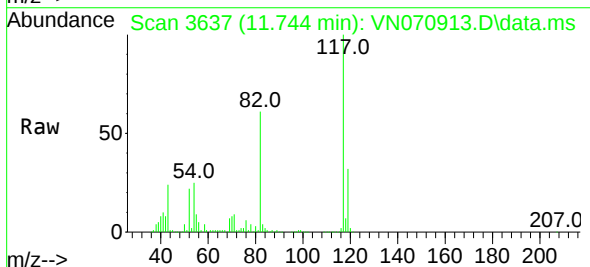
Instrument :
MSVOA_N
ClientSampleId :
31524DL

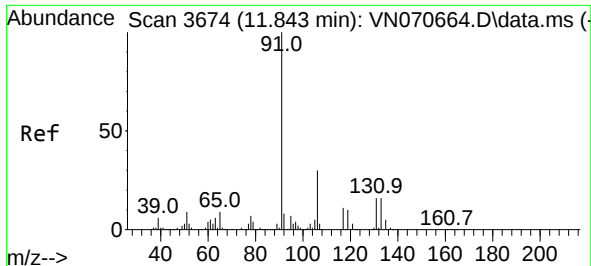
Tgt Ion: 95 Resp: 675587
Ion Ratio Lower Upper
95 100
174 73.5 0.0 187.2
176 71.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

Tgt Ion: 117 Resp: 1334713
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 32.1 25.4 38.2





#67

Ethyl Benzene

Concen: 8.135 ug/l

RT: 11.843 min Scan# 3

Delta R.T. 0.000 min

Lab File: VN070913.D

Acq: 3 Feb 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

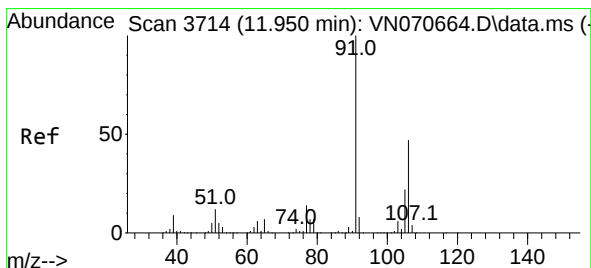
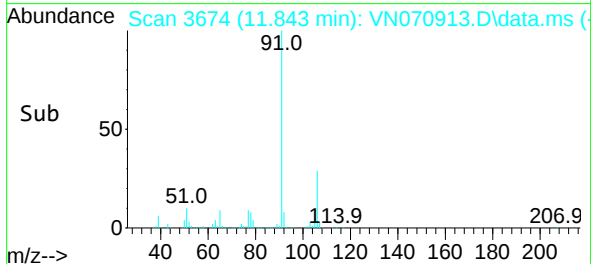
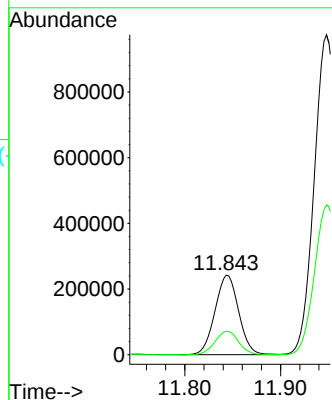
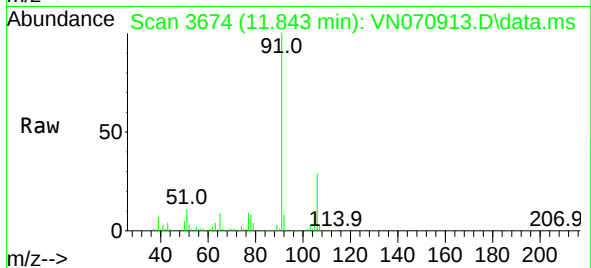
31524DL

Tgt Ion: 91 Resp: 414266

Ion Ratio Lower Upper

91 100

106 29.5 25.7 38.5



#68

m/p-Xylenes

Concen: 45.114 ug/l

RT: 11.948 min Scan# 3713

Delta R.T. -0.005 min

Lab File: VN070913.D

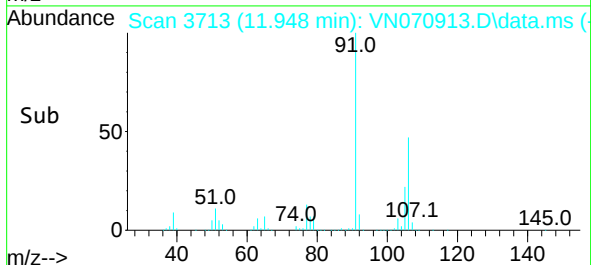
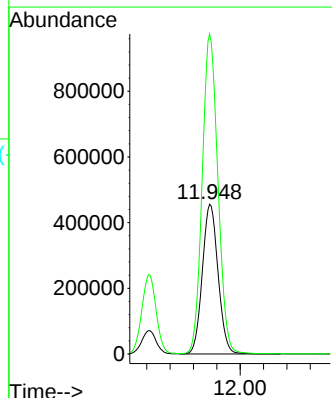
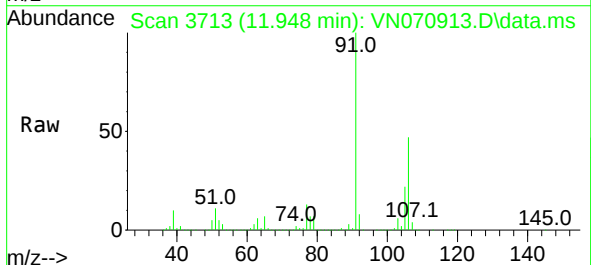
Acq: 3 Feb 2022 00:57

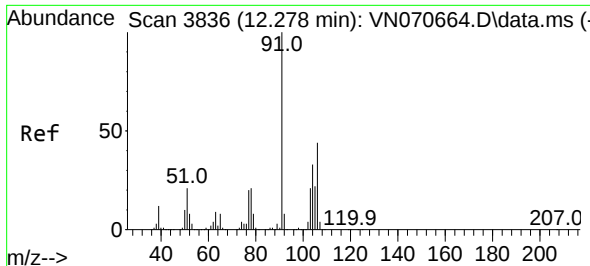
Tgt Ion: 106 Resp: 851215

Ion Ratio Lower Upper

106 100

91 213.3 160.6 240.8

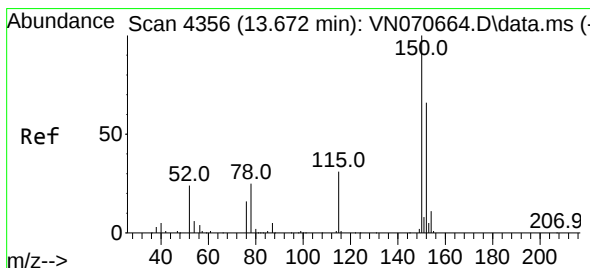
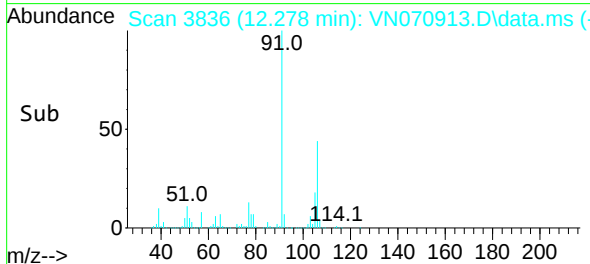
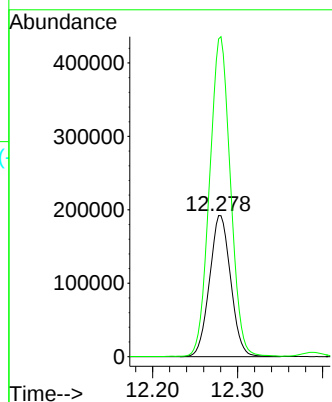
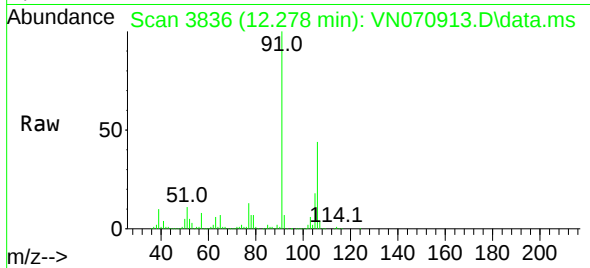




#69
o-Xylene
Concen: 17.572 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.002 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

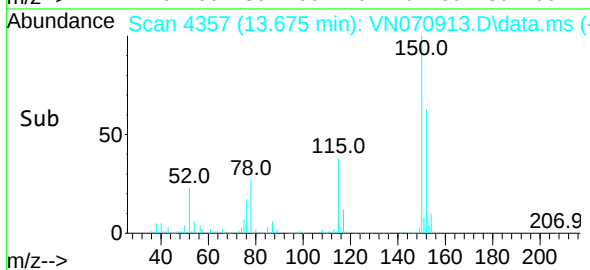
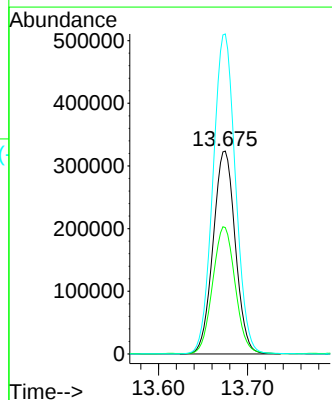
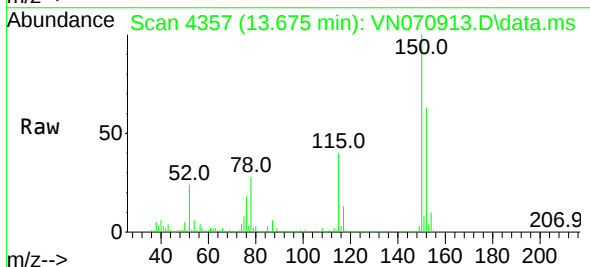
Instrument :
MSVOA_N
ClientSampleId :
31524DL

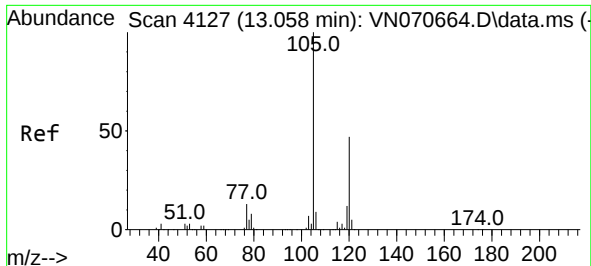
Tgt Ion:106 Resp: 331829
Ion Ratio Lower Upper
106 100
91 223.5 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

Tgt Ion:152 Resp: 560907
Ion Ratio Lower Upper
152 100
115 63.6 27.5 82.5
150 160.5 0.0 344.4

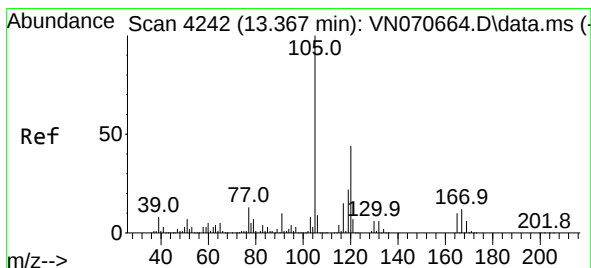
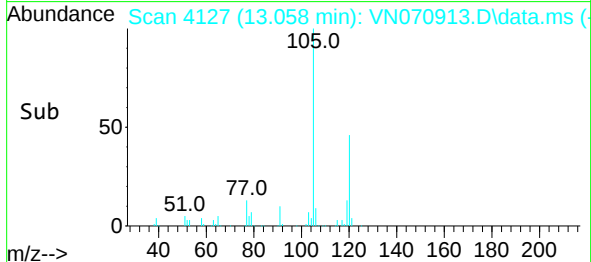
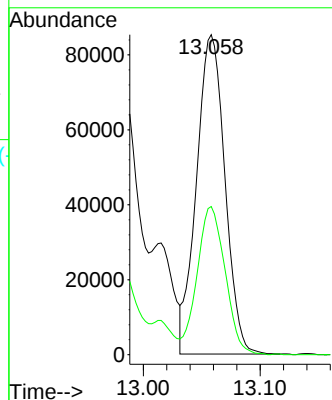
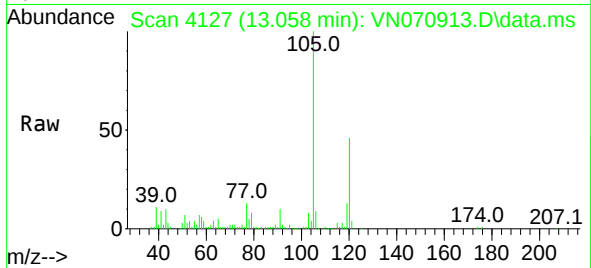




#80
1,3,5-Trimethylbenzene
Concen: 3.631 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

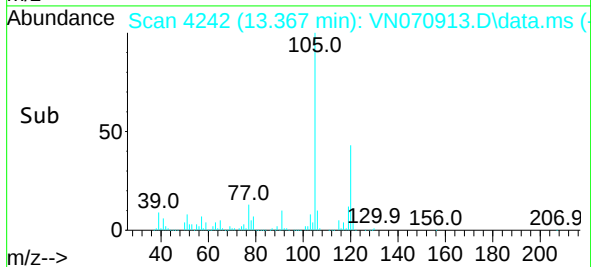
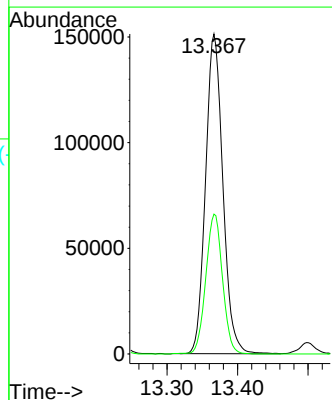
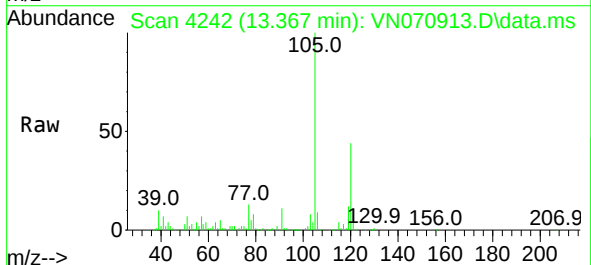
Instrument :
MSVOA_N
ClientSampleId :
31524DL

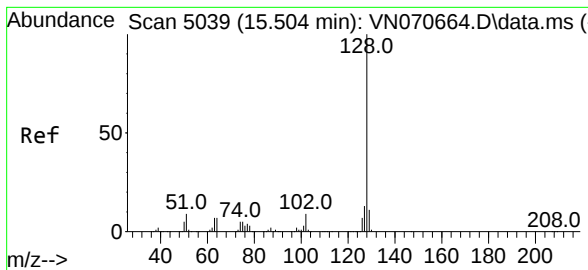
Tgt Ion:105 Resp: 144043
Ion Ratio Lower Upper
105 100
120 45.9 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 6.642 ug/l
RT: 13.367 min Scan# 4242
Delta R.T. -0.000 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

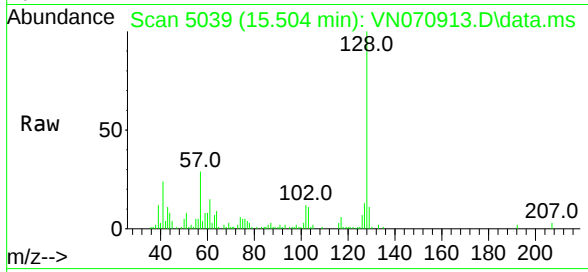
Tgt Ion:105 Resp: 257670
Ion Ratio Lower Upper
105 100
120 42.2 22.8 68.4





#95
Naphthalene
Concen: 5.600 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070913.D
Acq: 3 Feb 2022 00:57

Instrument :
MSVOA_N
ClientSampleId :
31524DL



Tgt Ion:	128	Resp:	65078
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	8.9	8.7	13.1

