

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070917.D
 Acq On : 3 Feb 2022 2:39
 Operator : JC/MD
 Sample : N1342-15DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31535DL

Quant Time: Feb 03 06:01:55 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	939711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1464463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1310282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	578509	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	603337	47.432	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.860%
35) Dibromofluoromethane	8.021	113	426702	48.638	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.280%
50) Toluene-d8	10.443	98	1813090	50.335	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.660%
62) 4-Bromofluorobenzene	12.731	95	663421	51.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.220%

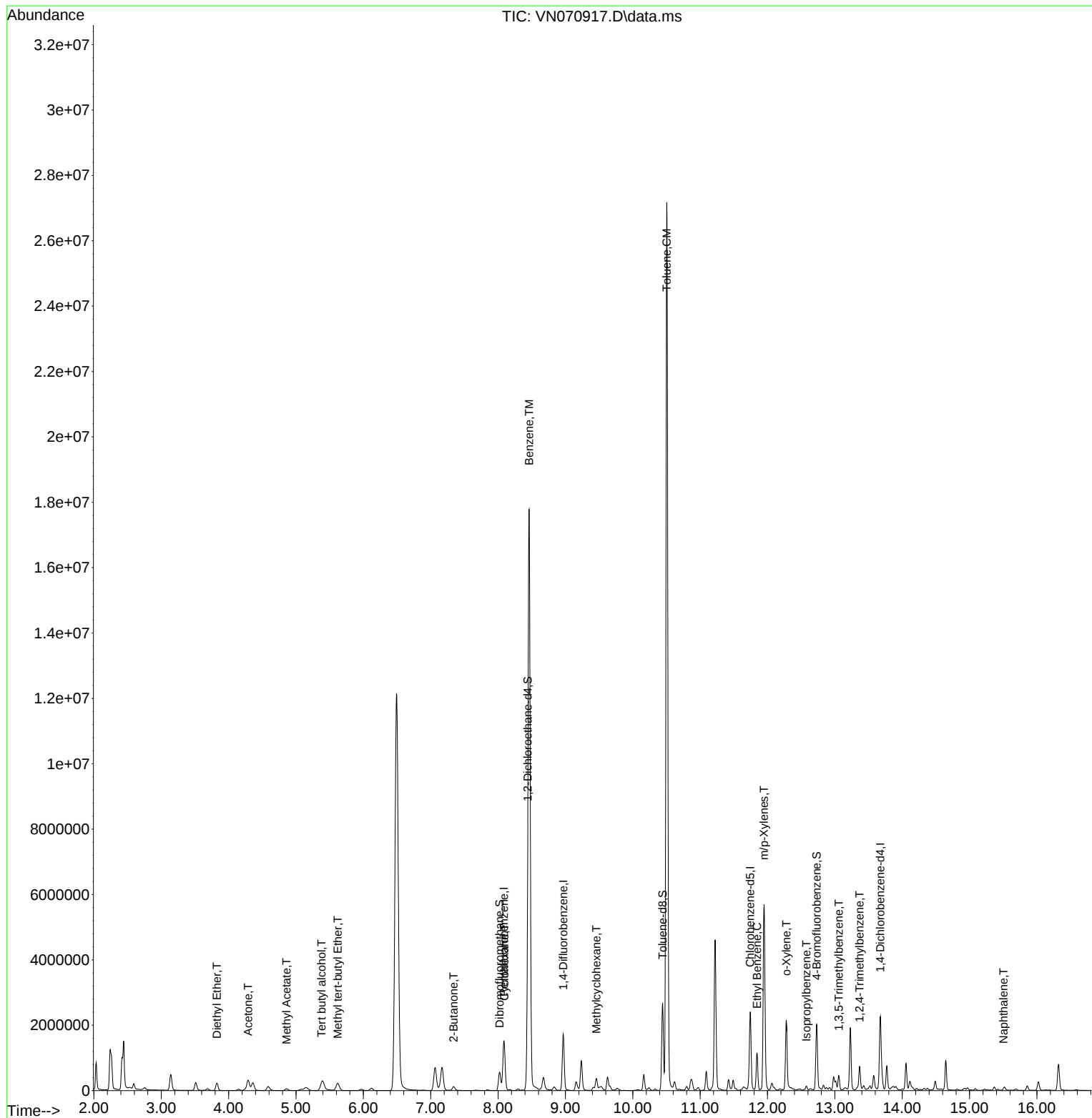
Target Compounds					Qvalue
8) Diethyl Ether	3.824	74	124420	17.461	ug/l 83
11) Tert butyl alcohol	5.380	59	283905	106.219	ug/l 99
16) Acetone	4.288	43	622247	81.811	ug/l 100
18) Methyl Acetate	4.859	43	120071	6.516	ug/l 93
19) Methyl tert-butyl Ether	5.618	73	234509	6.486	ug/l # 21
25) 2-Butanone	7.340	43	199573	18.178	ug/l 96
31) Cyclohexane	8.094	56	211962	9.808	ug/l # 88
39) Methylcyclohexane	9.459	83	153183	8.743	ug/l 88
40) Benzene	8.461	78	17965000	401.218	ug/l 97
52) Toluene	10.505	92	12179399	439.003	ug/l # 1
67) Ethyl Benzene	11.843	91	832011	16.643	ug/l 95
68) m/p-Xylenes	11.948	106	1760447	95.042	ug/l 90
69) o-Xylene	12.280	106	573793	30.952	ug/l 90
73) Isopropylbenzene	12.578	105	84376	1.672	ug/l 98
80) 1,3,5-Trimethylbenzene	13.058	105	238694	5.834	ug/l 97
84) 1,2,4-Trimethylbenzene	13.366	105	425335	10.630	ug/l 95
95) Naphthalene	15.504	128	15961	4.033	ug/l # 94

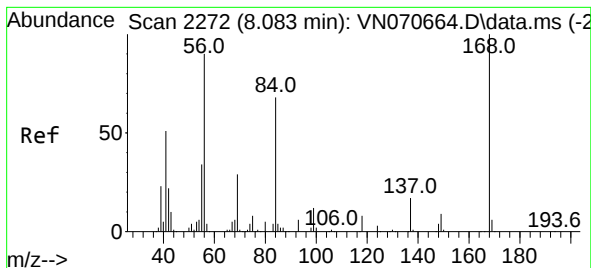
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 02 15:30:39 2022
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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: VN070917.D

Acq: 3 Feb 2022 2:39

Instrument :

MSVOA_N

ClientSampleId :

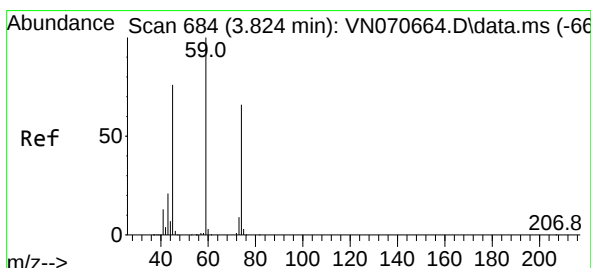
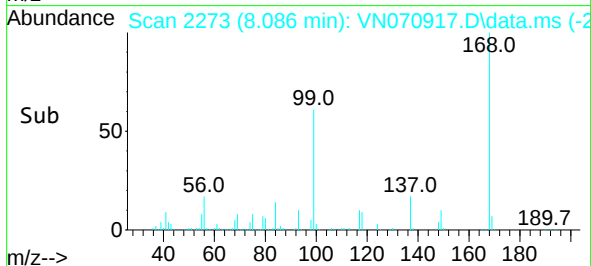
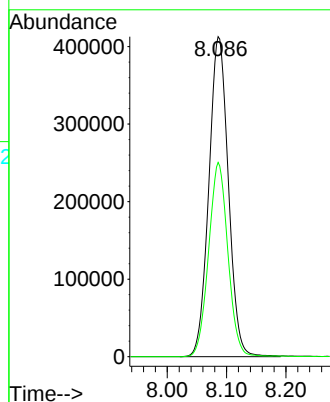
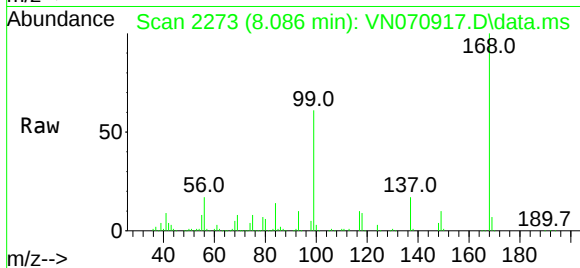
31535DL

Tgt Ion:168 Resp: 939711

Ion Ratio Lower Upper

168 100

99 60.7 41.3 61.9



#8

Diethyl Ether

Concen: 17.461 ug/l

RT: 3.824 min Scan# 684

Delta R.T. 0.003 min

Lab File: VN070917.D

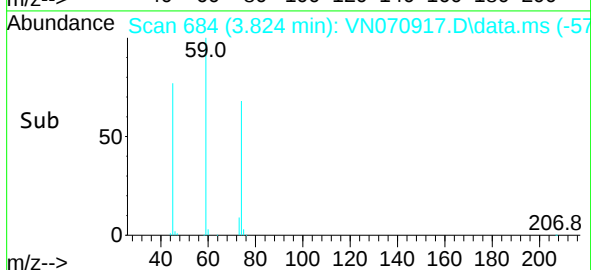
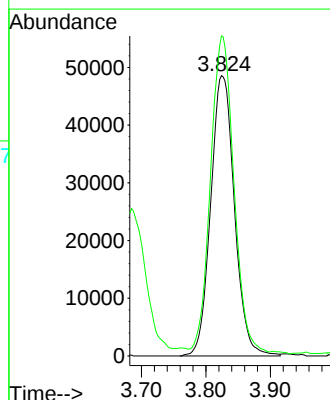
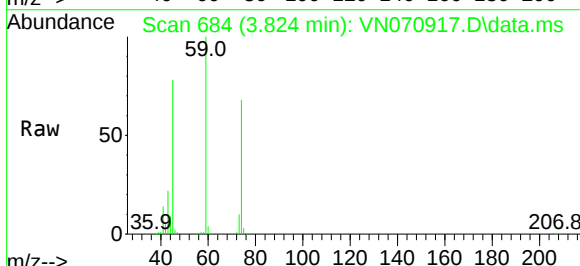
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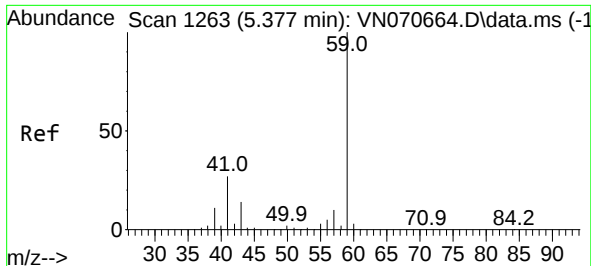
Tgt Ion: 74 Resp: 124420

Ion Ratio Lower Upper

74 100

45 110.2 47.0 141.2





#11

Tert butyl alcohol

Concen: 106.219 ug/l

RT: 5.380 min Scan# 11

Delta R.T. -0.002 min

Lab File: VN070917.D

Acq: 3 Feb 2022 2:39

Instrument :

MSVOA_N

ClientSampleId :

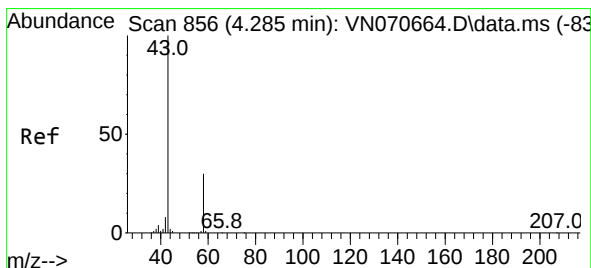
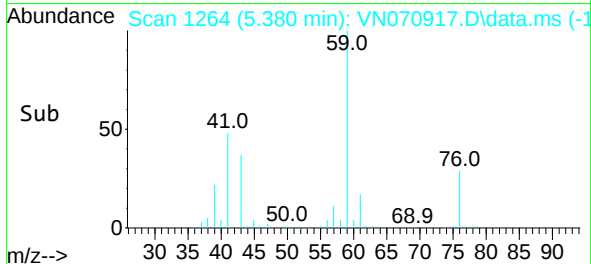
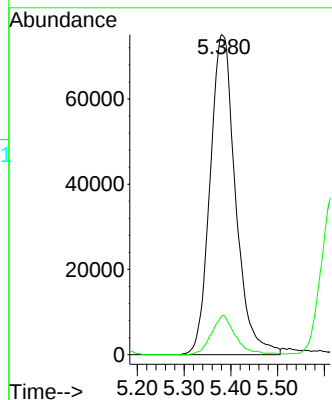
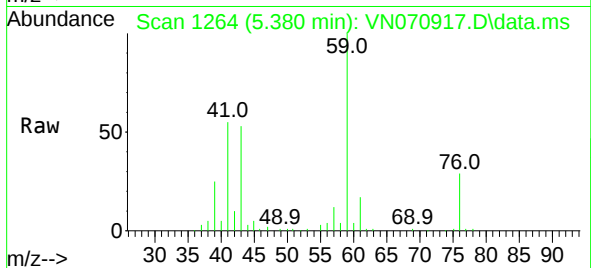
31535DL

Tgt Ion: 59 Resp: 283905

Ion Ratio Lower Upper

59 100

57 11.2 8.7 13.1



#16

Acetone

Concen: 81.811 ug/l

RT: 4.288 min Scan# 857

Delta R.T. 0.003 min

Lab File: VN070917.D

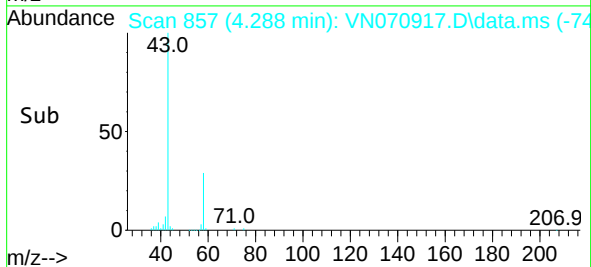
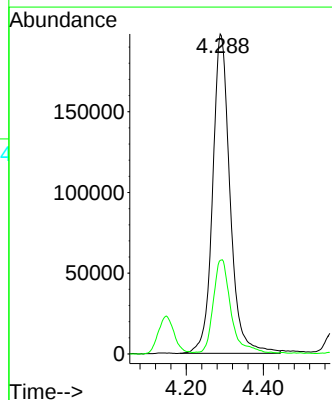
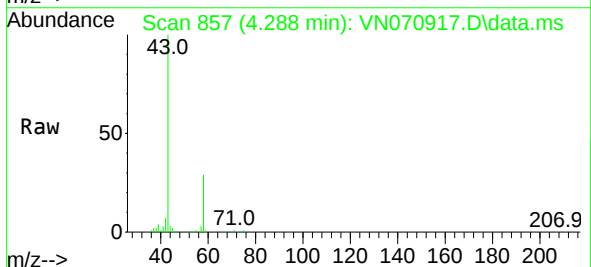
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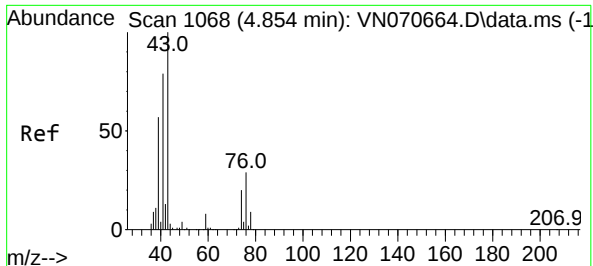
Tgt Ion: 43 Resp: 622247

Ion Ratio Lower Upper

43 100

58 28.9 23.1 34.7





#18

Methyl Acetate

Concen: 6.516 ug/l

RT: 4.859 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN070917.D

Acq: 3 Feb 2022 2:39

Instrument :

MSVOA_N

ClientSampleId :

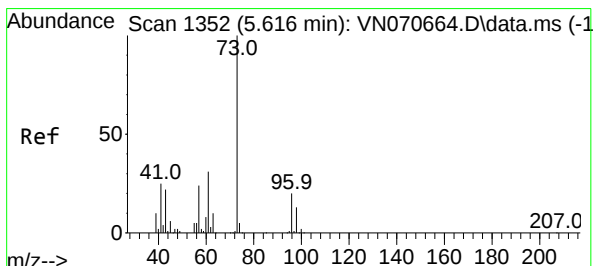
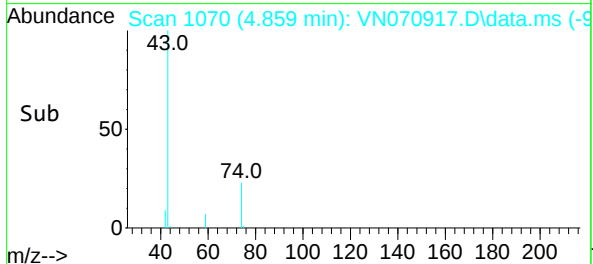
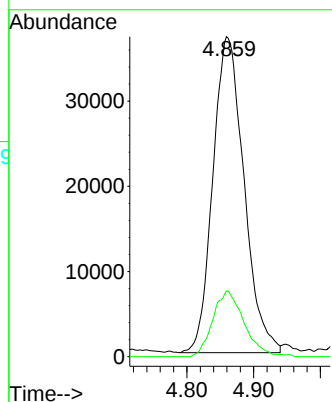
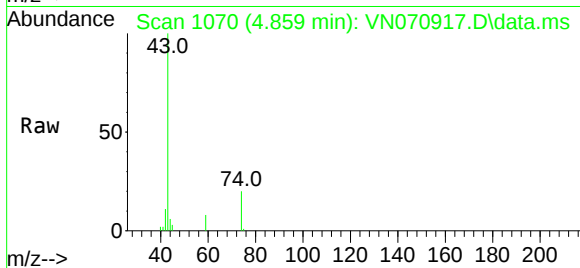
31535DL

Tgt Ion: 43 Resp: 120071

Ion Ratio Lower Upper

43 100

74 20.9 19.4 29.2



#19

Methyl tert-butyl Ether

Concen: 6.486 ug/l

RT: 5.618 min Scan# 1353

Delta R.T. 0.002 min

Lab File: VN070917.D

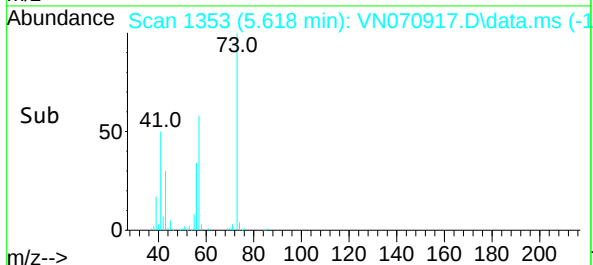
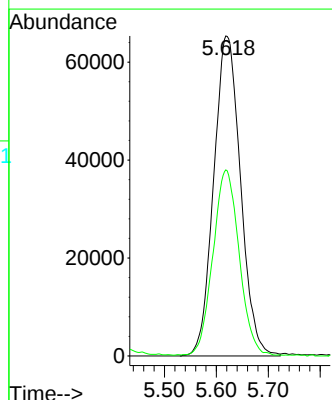
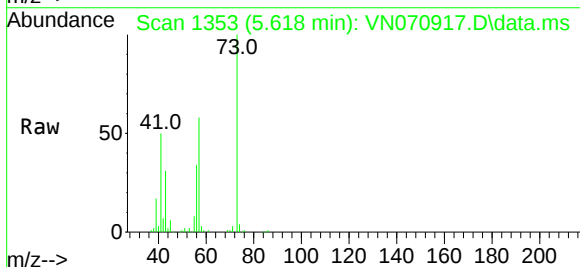
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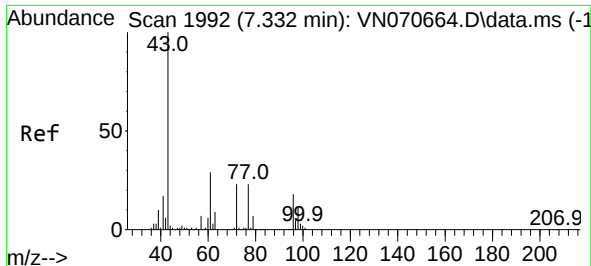
Tgt Ion: 73 Resp: 234509

Ion Ratio Lower Upper

73 100

57 57.8 16.8 25.2#

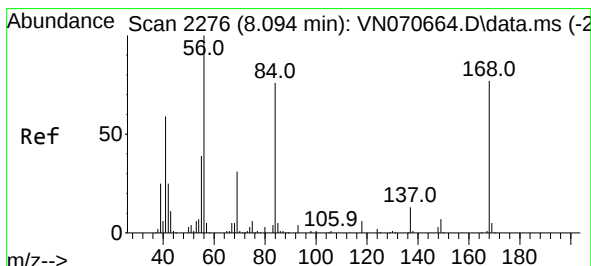
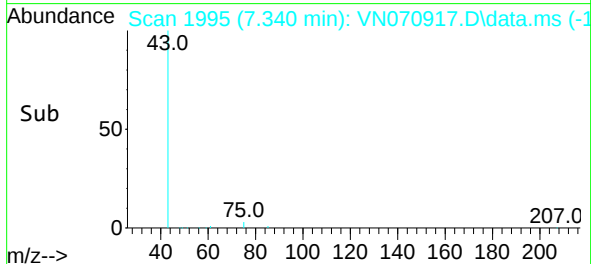
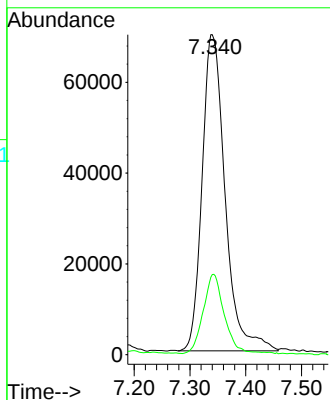
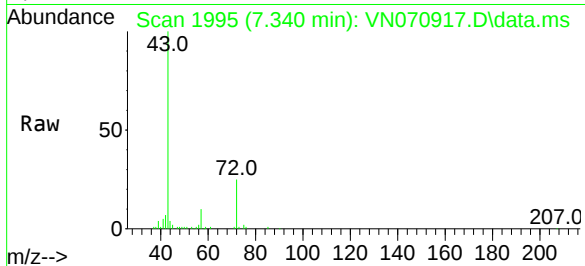




#25
2-Butanone
Concen: 18.178 ug/l
RT: 7.340 min Scan# 1992
Delta R.T. 0.005 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

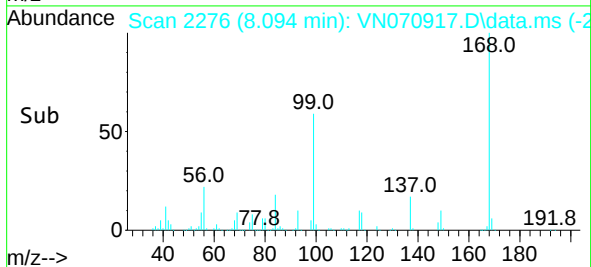
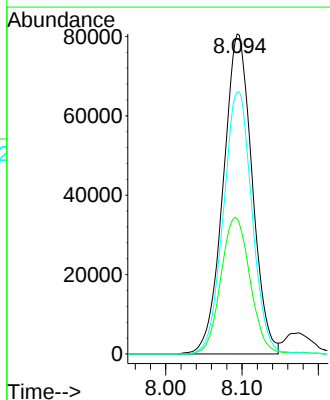
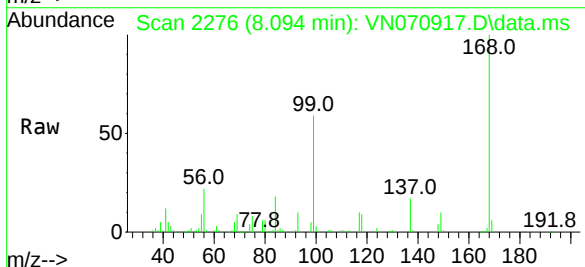
Instrument :
MSVOA_N
ClientSampleId :
31535DL

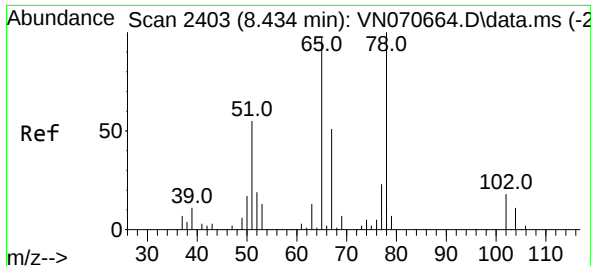
Tgt Ion: 43 Resp: 199573
Ion Ratio Lower Upper
43 100
72 25.1 21.7 32.5



#31
Cyclohexane
Concen: 9.808 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

Tgt Ion: 56 Resp: 211962
Ion Ratio Lower Upper
56 100
69 42.4 27.1 40.7#
84 81.9 73.4 110.0

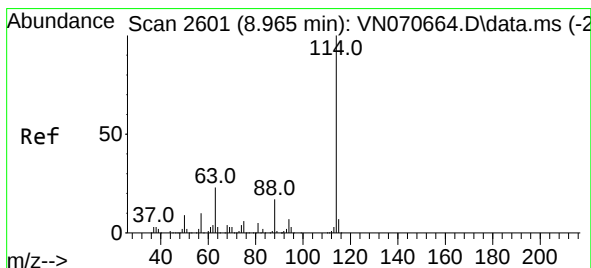
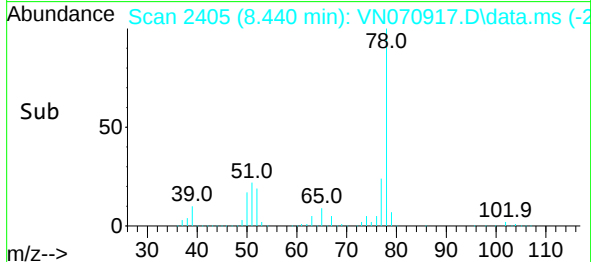
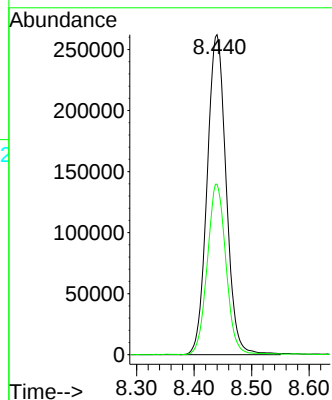
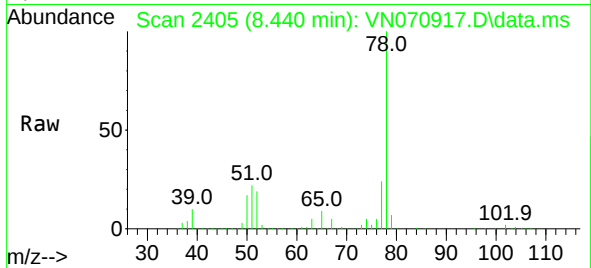




#33
 1,2-Dichloroethane-d4
 Concen: 47.432 ug/l
 RT: 8.440 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VN070917.D
 Acq: 3 Feb 2022 2:39

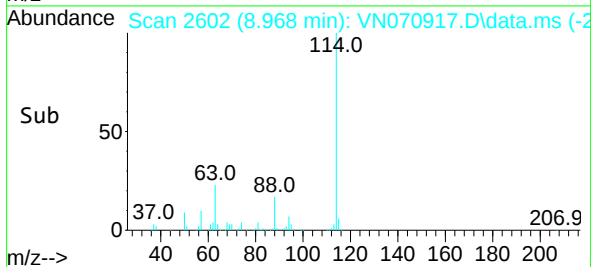
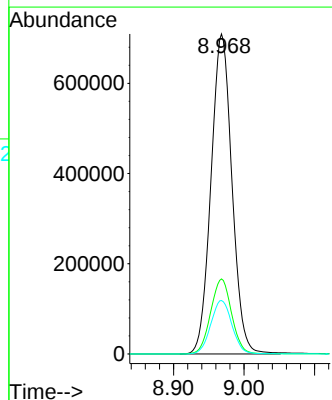
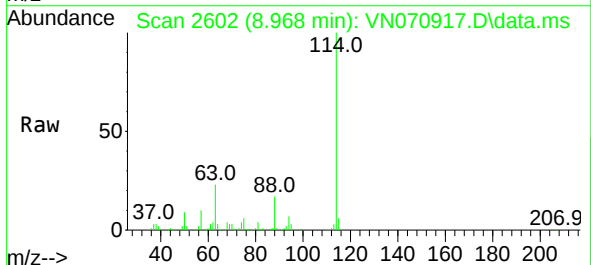
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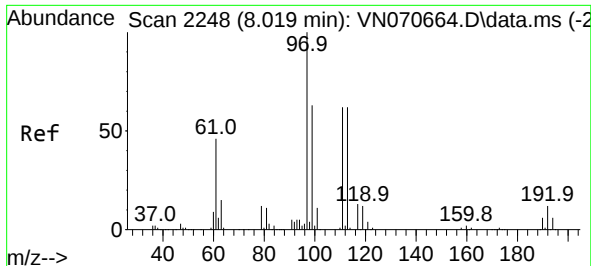
Tgt Ion: 65 Resp: 603337
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.003 min
 Lab File: VN070917.D
 Acq: 3 Feb 2022 2:39

Tgt Ion: 114 Resp: 1464463
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 37.8
 88 16.7 0.0 27.4

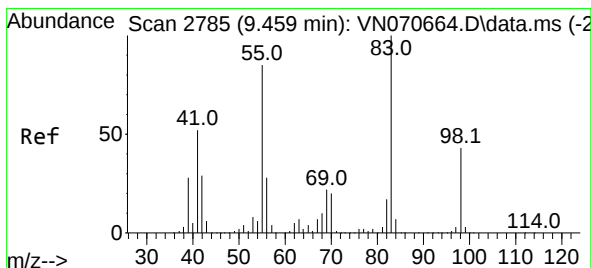
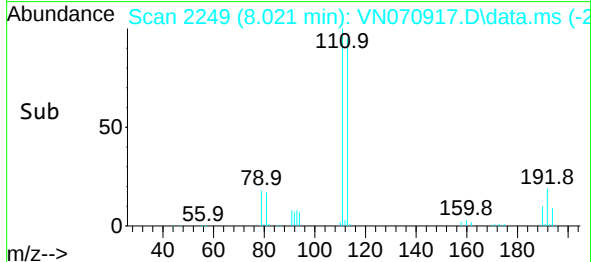
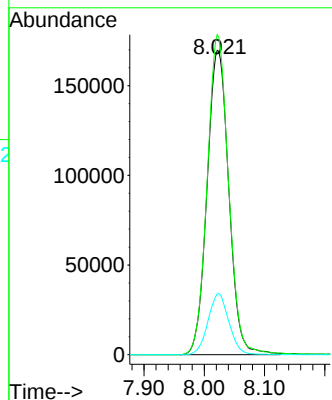
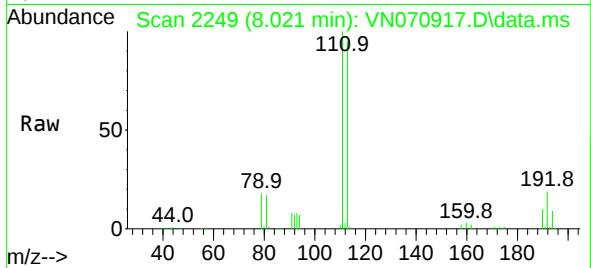




#35
Dibromofluoromethane
Concen: 48.638 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

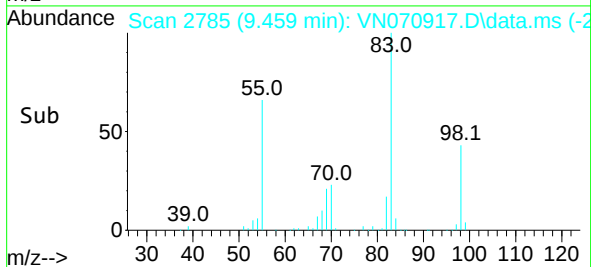
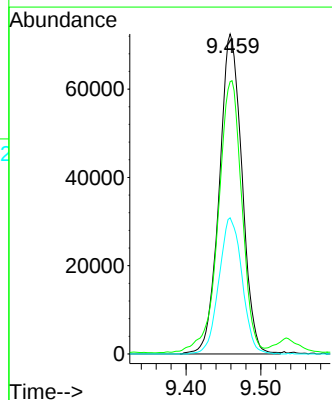
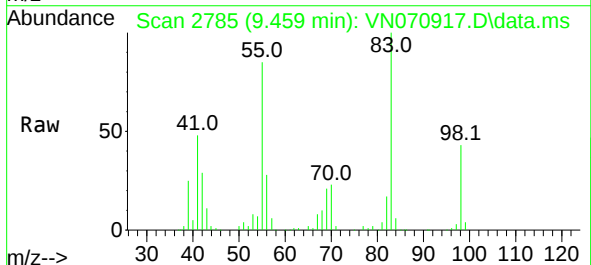
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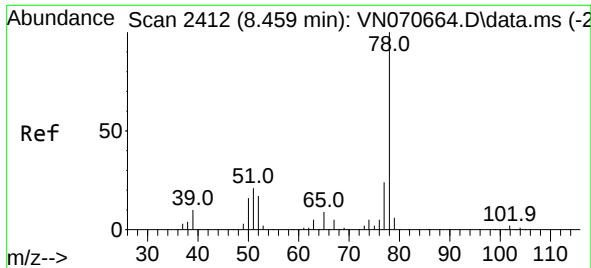
Tgt Ion:113 Resp: 426702
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.2 16.9 25.3



#39
Methylcyclohexane
Concen: 8.743 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

Tgt Ion: 83 Resp: 153183
Ion Ratio Lower Upper
83 100
55 84.2 58.1 87.1
98 42.5 38.4 57.6

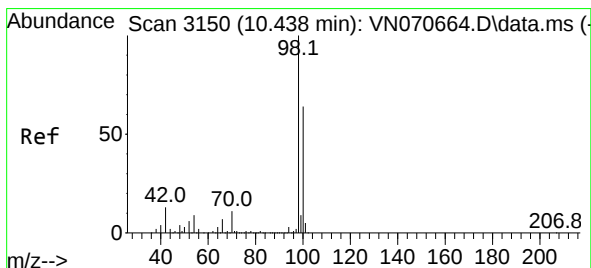
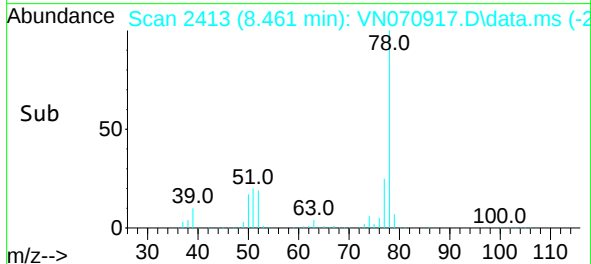
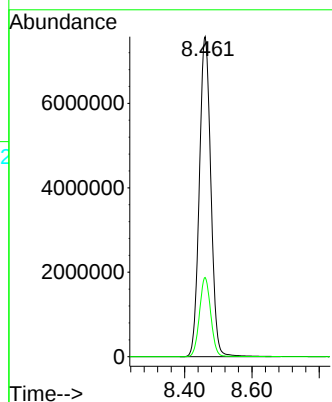
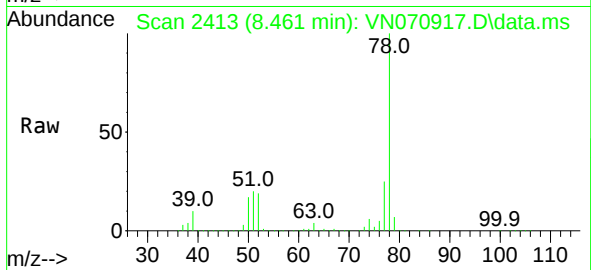




#40
Benzene
Concen: 401.218 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.002 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

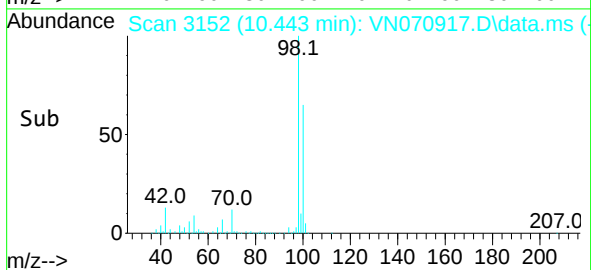
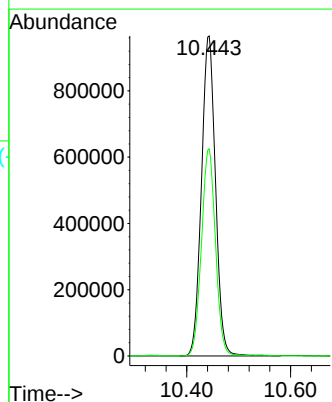
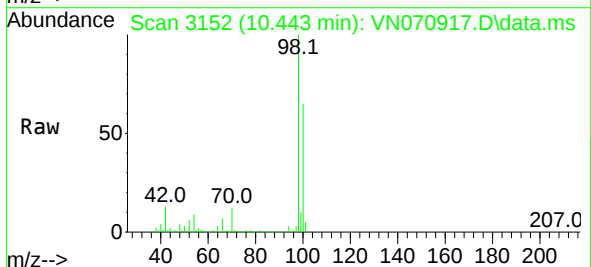
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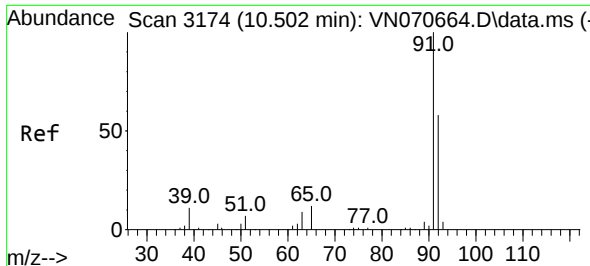
Tgt Ion: 78 Resp:17965000
Ion Ratio Lower Upper
78 100
77 24.8 18.6 27.8



#50
Toluene-d8
Concen: 50.335 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.002 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

Tgt Ion: 98 Resp: 1813090
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6

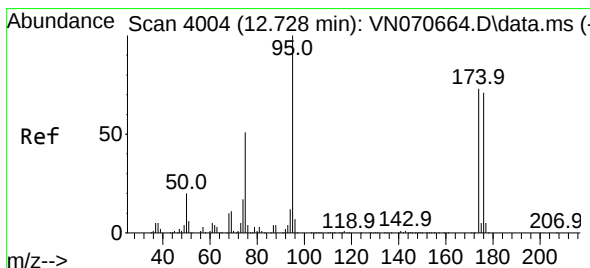
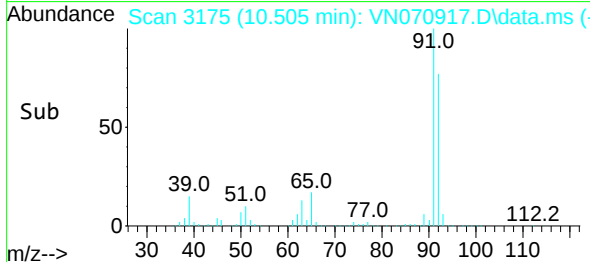
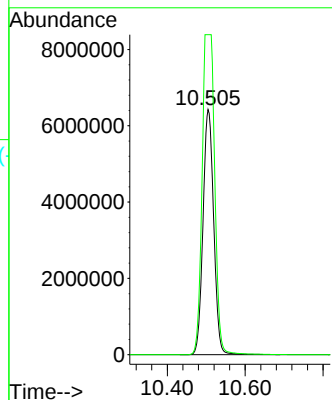
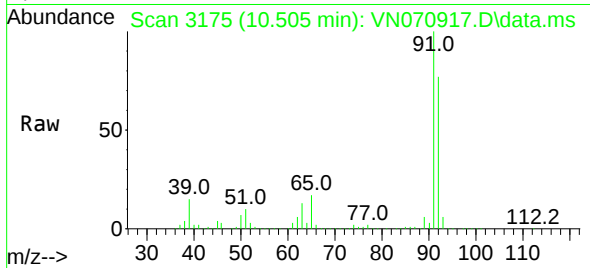




#52
Toluene
Concen: 439.003 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

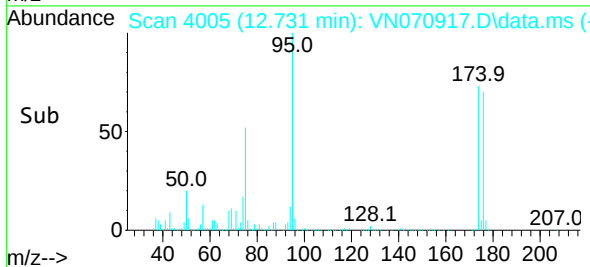
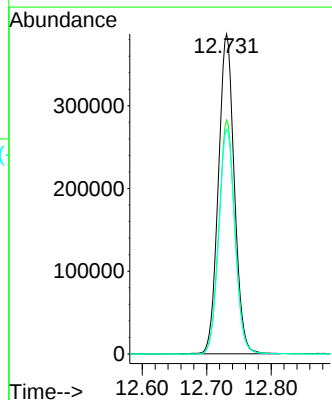
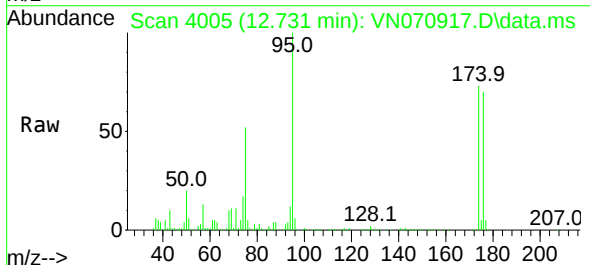
Instrument :
MSVOA_N
ClientSampleId :
31535DL

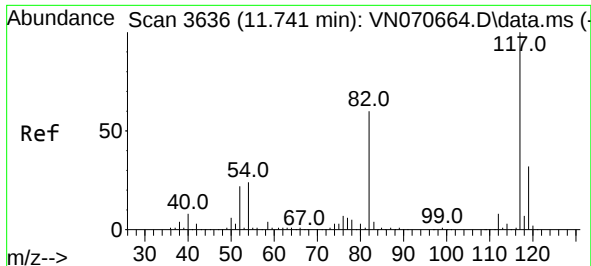
Tgt Ion: 92 Resp:12179399
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0#



#62
4-Bromofluorobenzene
Concen: 51.115 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

Tgt Ion: 95 Resp: 663421
Ion Ratio Lower Upper
95 100
174 73.6 0.0 187.2
176 71.0 0.0 181.4

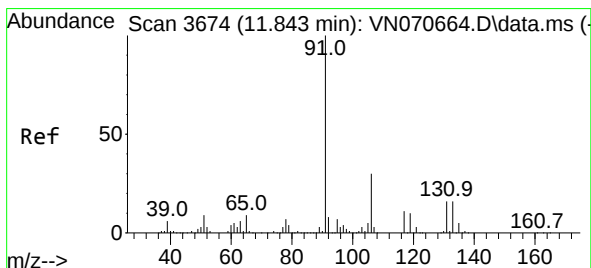
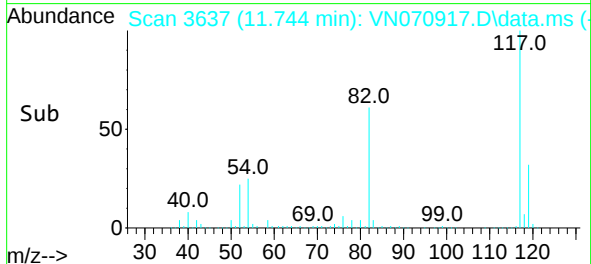
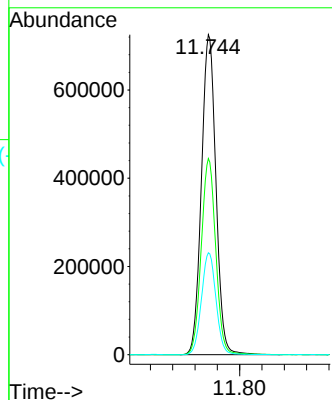
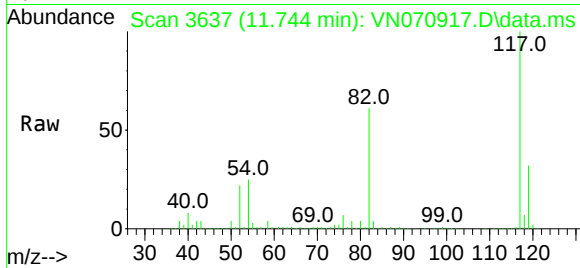




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. -0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

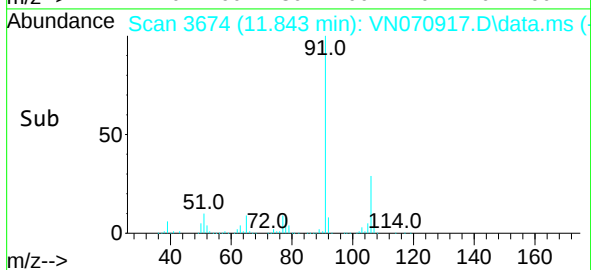
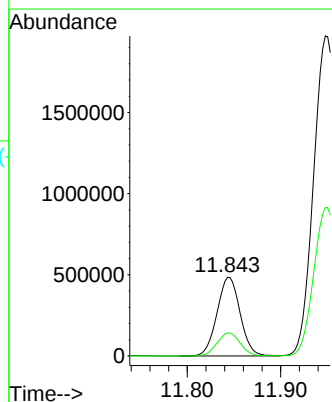
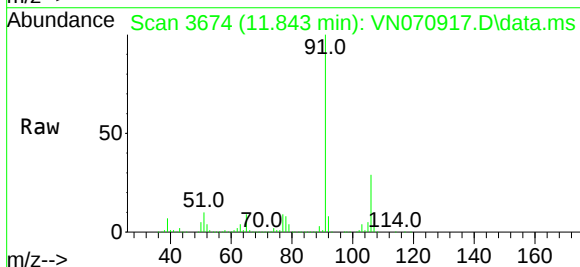
Instrument :
MSVOA_N
ClientSampleId :
31535DL

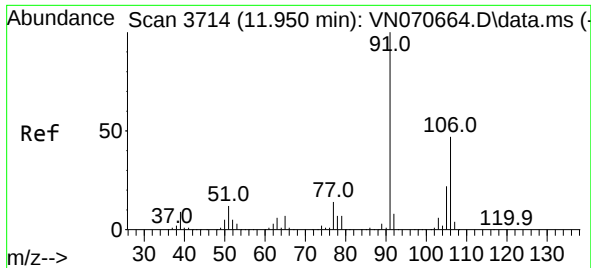
Tgt Ion:117 Resp: 1310282
Ion Ratio Lower Upper
117 100
82 61.3 42.4 63.6
119 31.8 25.4 38.2



#67
Ethyl Benzene
Concen: 16.643 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

Tgt Ion: 91 Resp: 832011
Ion Ratio Lower Upper
91 100
106 29.2 25.7 38.5

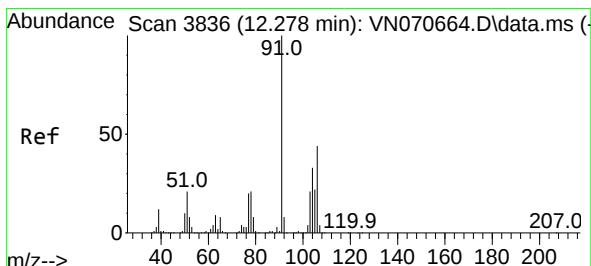
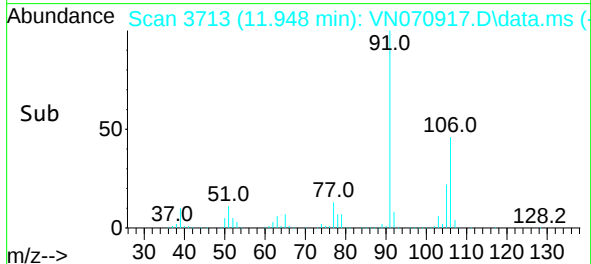
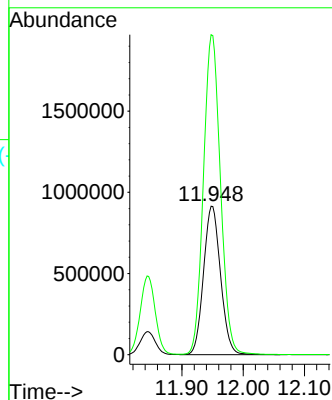
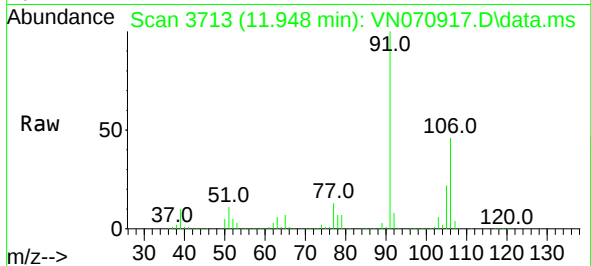




#68
m/p-Xylenes
Concen: 95.042 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

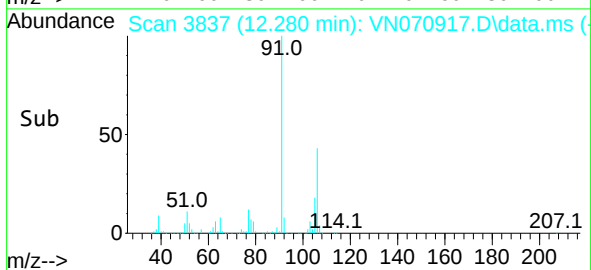
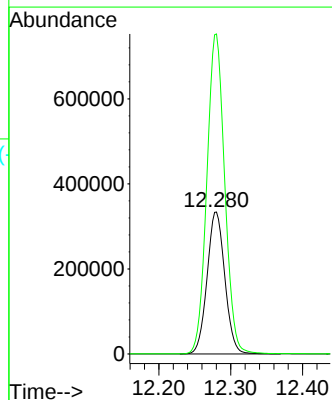
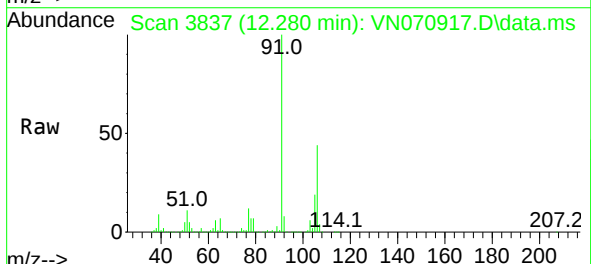
Instrument :
MSVOA_N
ClientSampleId :
31535DL

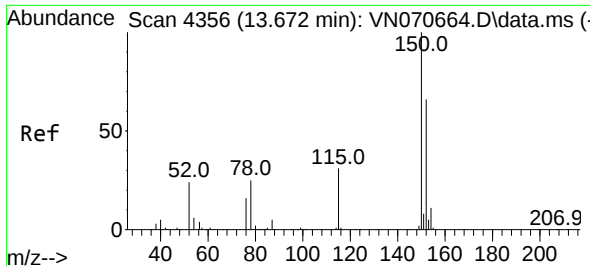
Tgt Ion:106 Resp: 1760447
Ion Ratio Lower Upper
106 100
91 216.1 160.6 240.8



#69
o-Xylene
Concen: 30.952 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

Tgt Ion:106 Resp: 573793
Ion Ratio Lower Upper
106 100
91 226.7 105.8 317.3

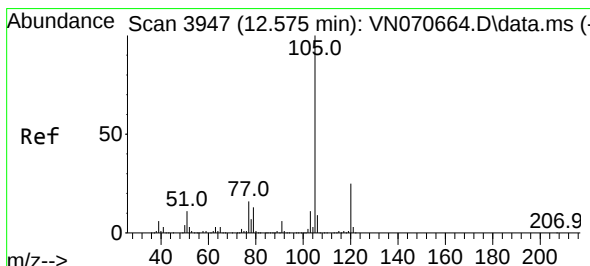
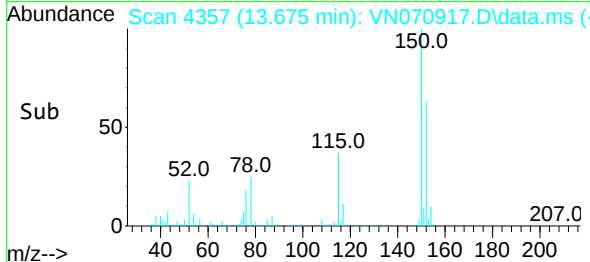
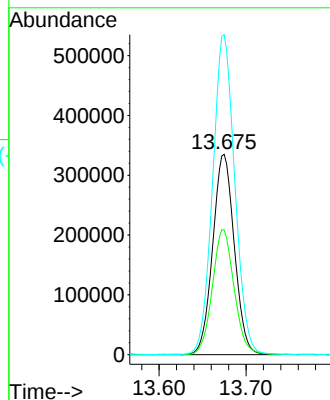
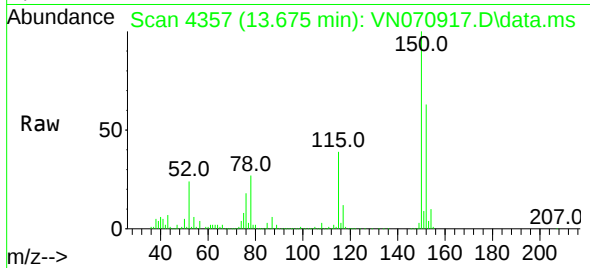




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

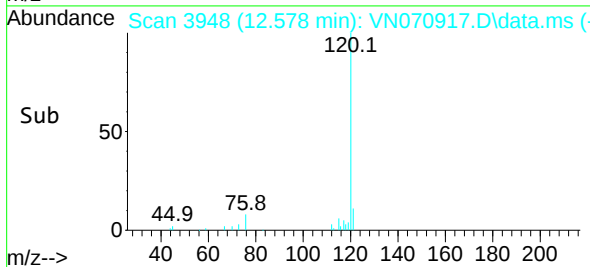
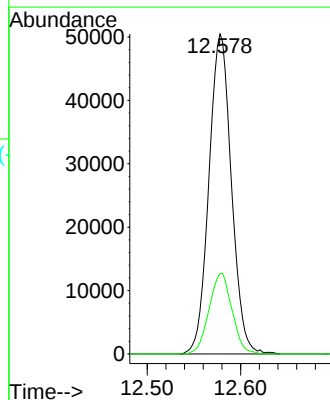
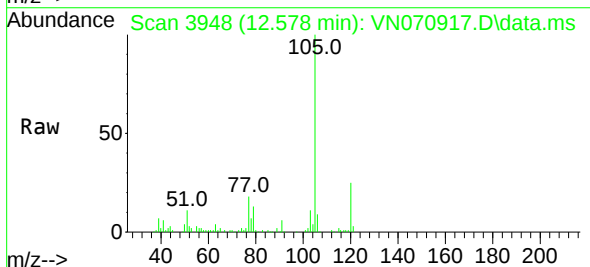
Instrument :
MSVOA_N
ClientSampleId :
31535DL

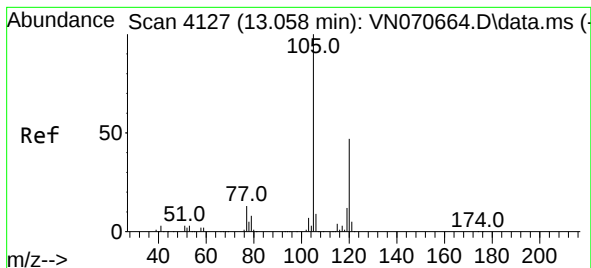
Tgt Ion:152 Resp: 578509
Ion Ratio Lower Upper
152 100
115 62.6 27.5 82.5
150 163.9 0.0 344.4



#73
Isopropylbenzene
Concen: 1.672 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070917.D
Acq: 3 Feb 2022 2:39

Tgt Ion:105 Resp: 84376
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1





#80

1,3,5-Trimethylbenzene

Concen: 5.834 ug/l

RT: 13.058 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN070917.D

Acq: 3 Feb 2022 2:39

Instrument :

MSVOA_N

ClientSampleId :

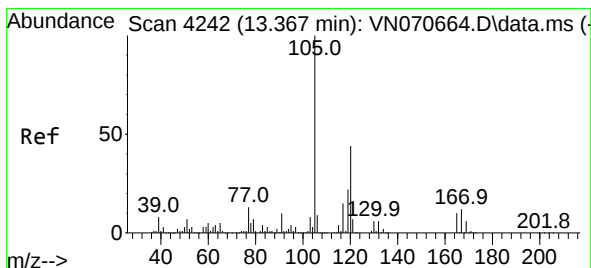
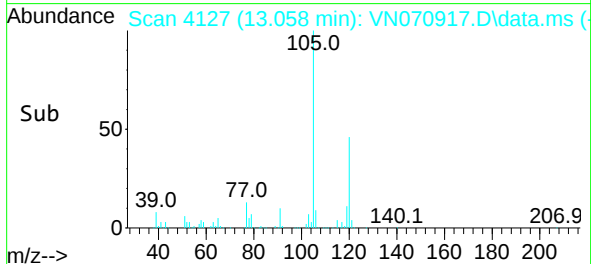
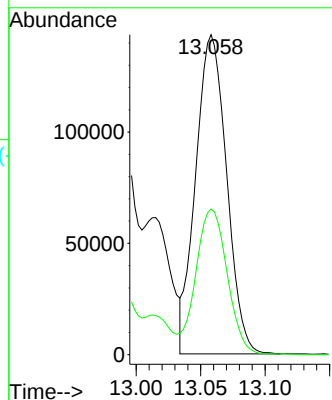
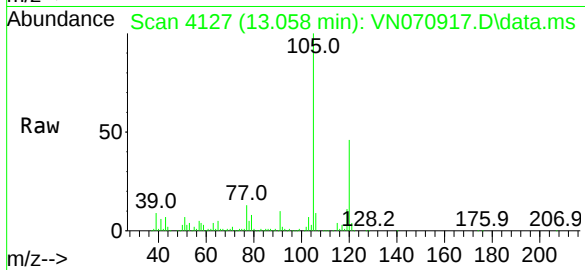
31535DL

Tgt Ion:105 Resp: 238694

Ion Ratio Lower Upper

105 100

120 47.0 24.6 73.6



#84

1,2,4-Trimethylbenzene

Concen: 10.630 ug/l

RT: 13.366 min Scan# 4242

Delta R.T. -0.001 min

Lab File: VN070917.D

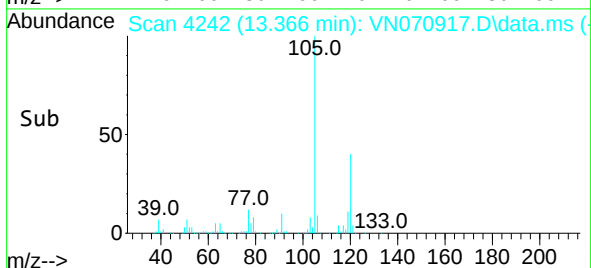
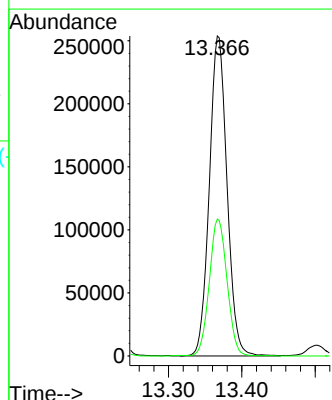
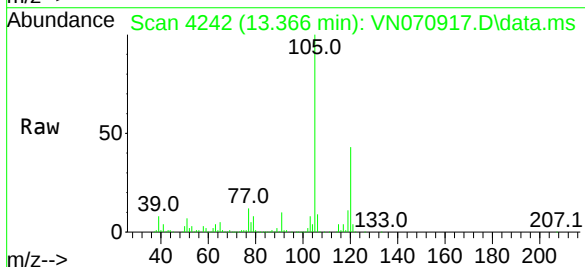
Acq: 3 Feb 2022 2:39

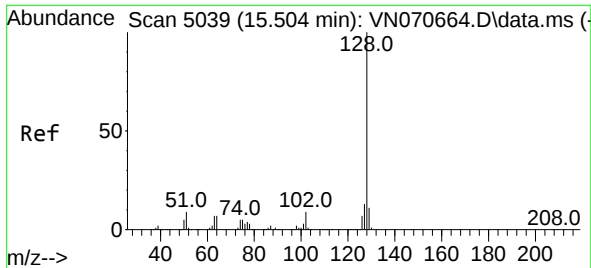
Tgt Ion:105 Resp: 425335

Ion Ratio Lower Upper

105 100

120 42.6 22.8 68.4





#95

Naphthalene

Concen: 4.033 ug/l

RT: 15.504 min Scan# 50

Delta R.T. -0.000 min

Lab File: VN070917.D

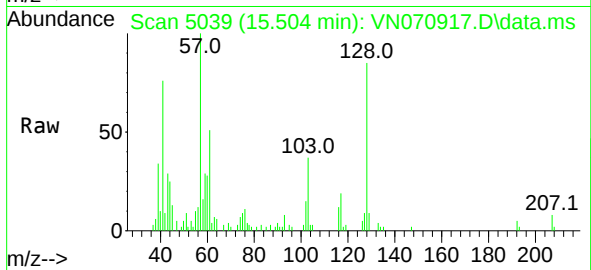
Acq: 3 Feb 2022 2:39

Instrument :

MSVOA_N

ClientSampleId :

31535DL



Tgt Ion:128 Resp: 15961

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

129 7.2 8.7 13.1#

