

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070918.D
 Acq On : 3 Feb 2022 3:05
 Operator : JC/MD
 Sample : N1342-23DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31539DL

Quant Time: Feb 03 06:02:11 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)

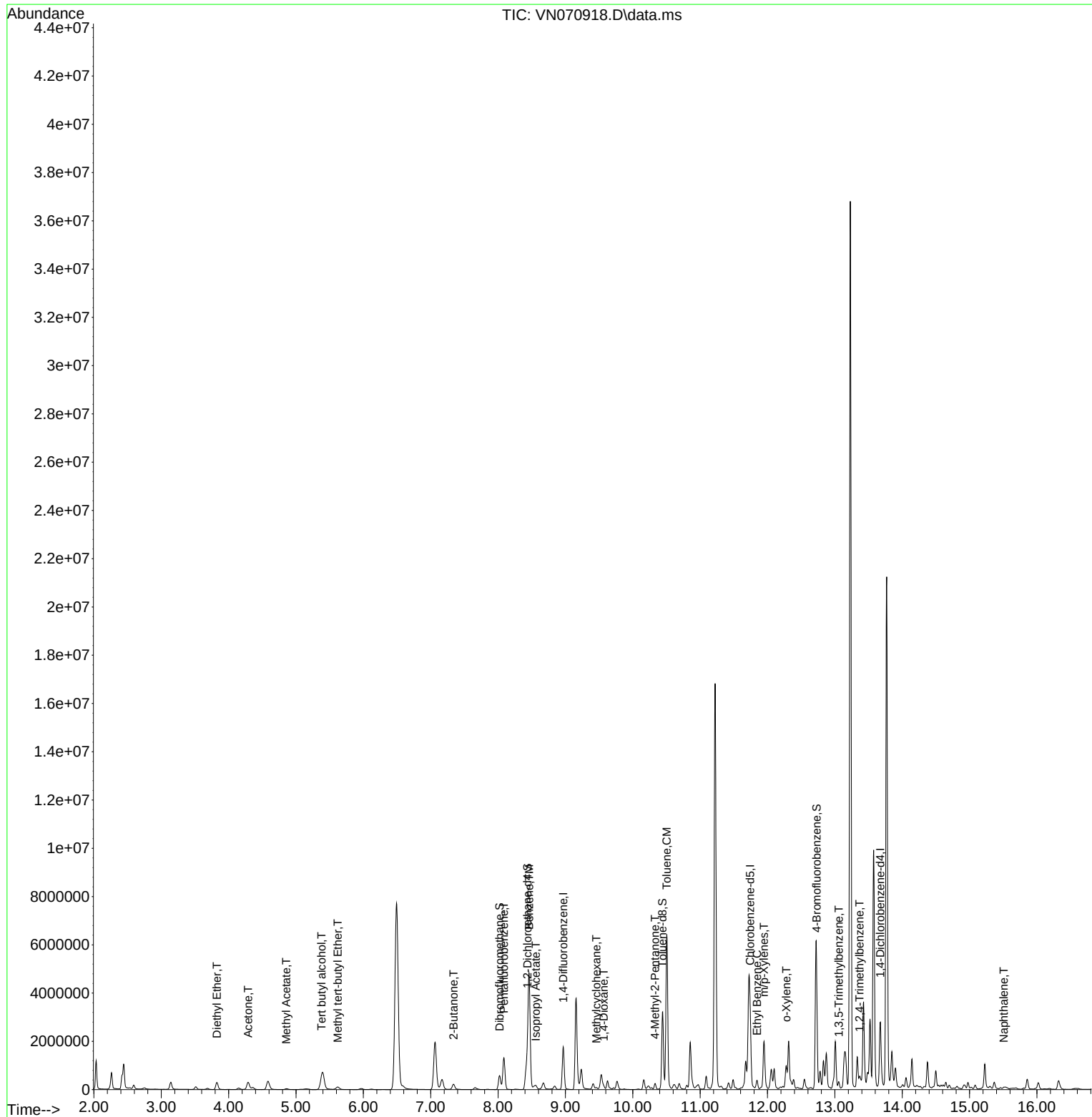
Internal Standards						
1) Pentafluorobenzene	8.086	168	948107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1489911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1336398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	697061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	607491	47.336	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.680%
35) Dibromofluoromethane	8.021	113	438717	49.154	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.300%
50) Toluene-d8	10.440	98	1857477	50.686	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.380%
62) 4-Bromofluorobenzene	12.731	95	694363	52.585	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.160%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.824	74	162754	22.639	ug/l	86
11) Tert butyl alcohol	5.380	59	502335	186.278	ug/l	97
16) Acetone	4.291	43	571290	74.447	ug/l	99
18) Methyl Acetate	4.857	43	76018	3.912	ug/l	94
19) Methyl tert-butyl Ether	5.621	73	125349	3.436	ug/l #	56
25) 2-Butanone	7.340	43	363537	32.820	ug/l	93
39) Methylcyclohexane	9.461	83	31766	1.782	ug/l	91
40) Benzene	8.461	78	4728579	103.801	ug/l	99
43) Isopropyl Acetate	8.560	43	162445	4.835	ug/l #	88
49) 1,4-Dioxane	9.569	88	71290	293.807	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	171601	8.678	ug/l	100
52) Toluene	10.505	92	2826463	100.139	ug/l	97
67) Ethyl Benzene	11.843	91	233998	4.589	ug/l	97
68) m/p-Xylenes	11.948	106	603452	31.942	ug/l	90
69) o-Xylene	12.280	106	218653	11.564	ug/l	89
80) 1,3,5-Trimethylbenzene	13.058	105	136644	2.772	ug/l	96
84) 1,2,4-Trimethylbenzene	13.366	105	263647	5.469	ug/l	93
95) Naphthalene	15.507	128	39100	4.538	ug/l #	92

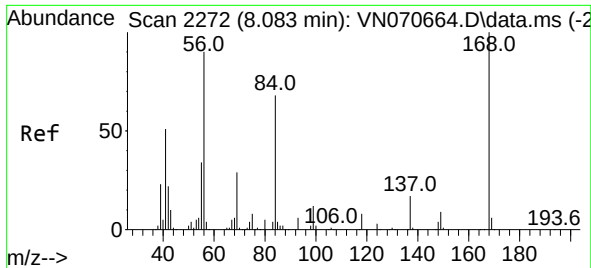
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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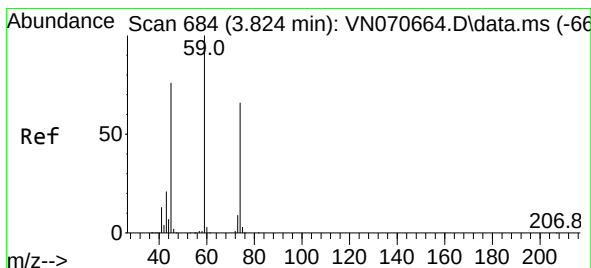
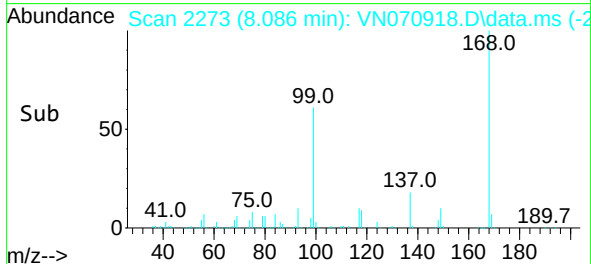
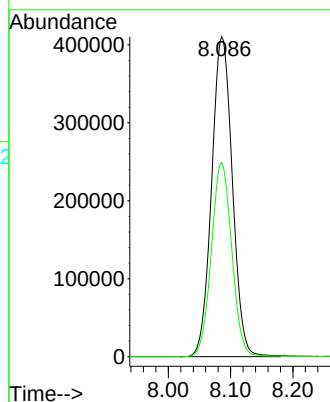
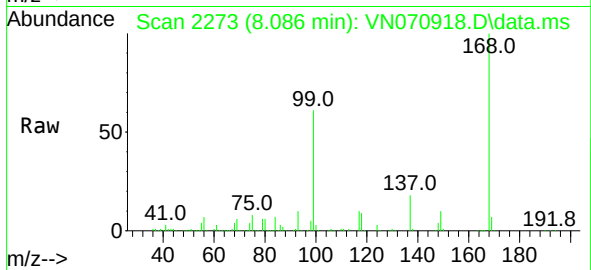




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

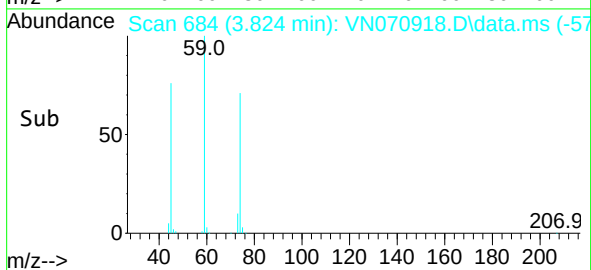
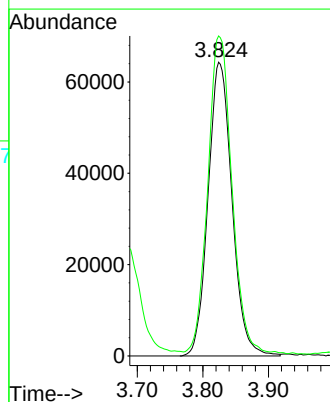
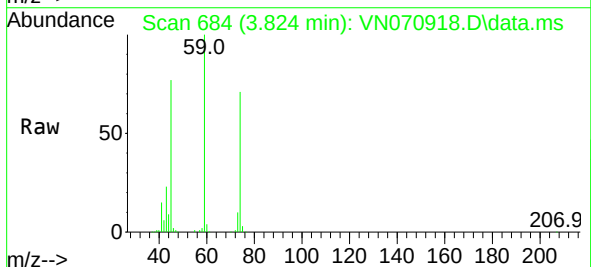
Instrument :
MSVOA_N
ClientSampleId :
31539DL

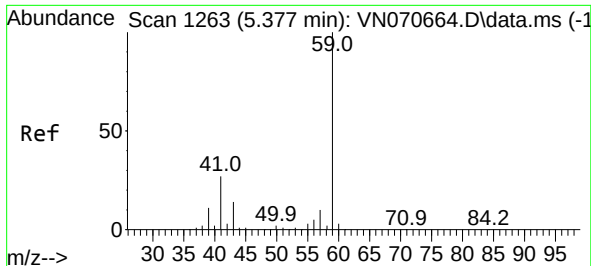
Tgt Ion:168 Resp: 948107
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#8
Diethyl Ether
Concen: 22.639 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.003 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion: 74 Resp: 162754
Ion Ratio Lower Upper
74 100
45 107.6 47.0 141.2

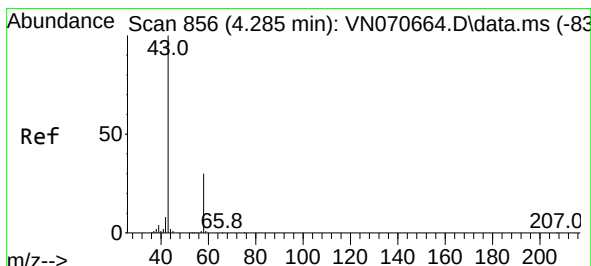
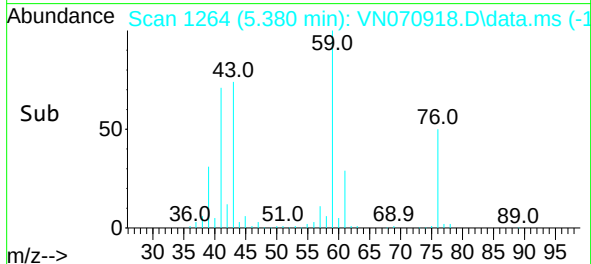
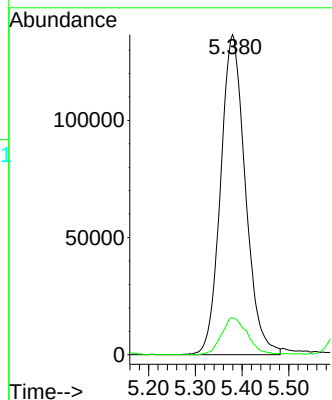
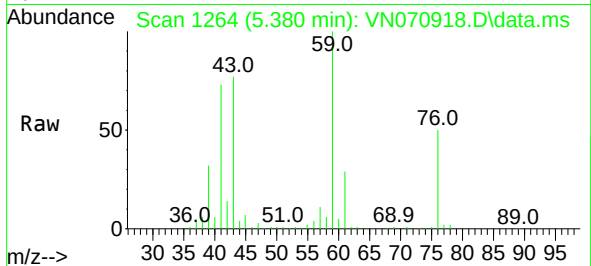




#11
Tert butyl alcohol
Concen: 186.278 ug/l
RT: 5.380 min Scan# 11
Delta R.T. -0.002 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

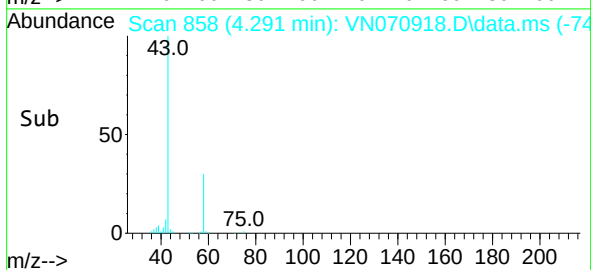
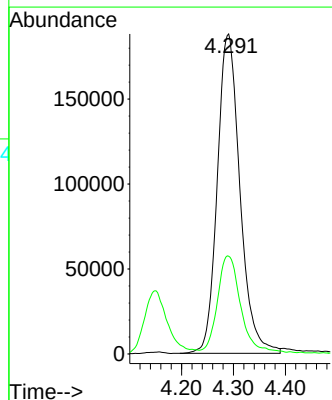
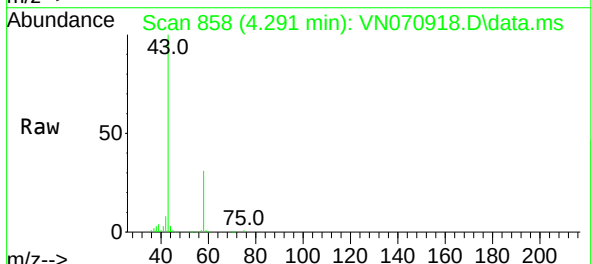
Instrument :
MSVOA_N
ClientSampleId :
31539DL

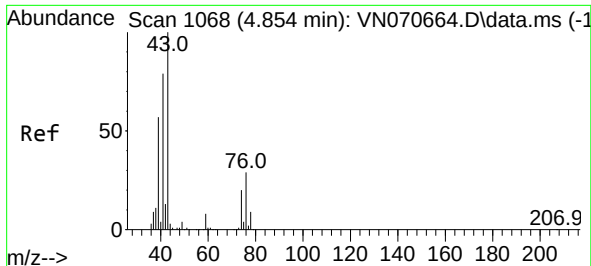
Tgt Ion: 59 Resp: 502335
Ion Ratio Lower Upper
59 100
57 12.1 8.7 13.1



#16
Acetone
Concen: 74.447 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion: 43 Resp: 571290
Ion Ratio Lower Upper
43 100
58 29.7 23.1 34.7





#18

Methyl Acetate

Concen: 3.912 ug/l

RT: 4.857 min Scan# 11

Delta R.T. 0.003 min

Lab File: VN070918.D

Acq: 3 Feb 2022 3:05

Instrument :

MSVOA_N

ClientSampleId :

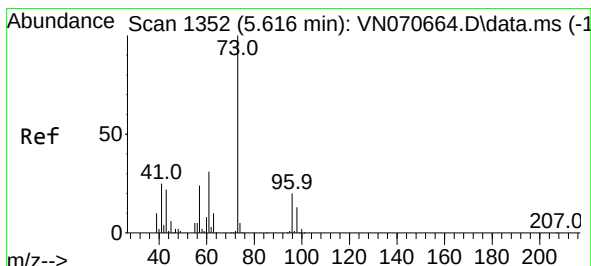
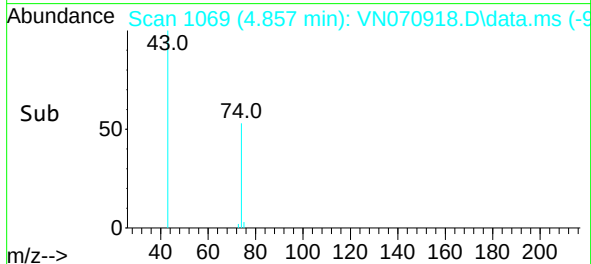
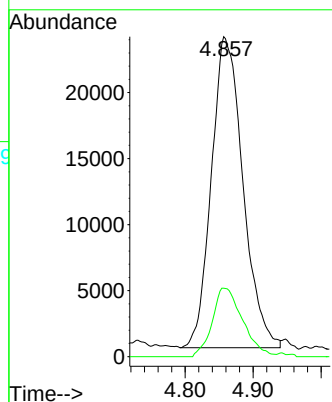
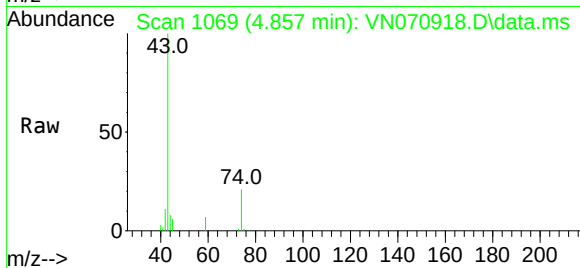
31539DL

Tgt Ion: 43 Resp: 76018

Ion Ratio Lower Upper

43 100

74 21.2 19.4 29.2



#19

Methyl tert-butyl Ether

Concen: 3.436 ug/l

RT: 5.621 min Scan# 1354

Delta R.T. 0.005 min

Lab File: VN070918.D

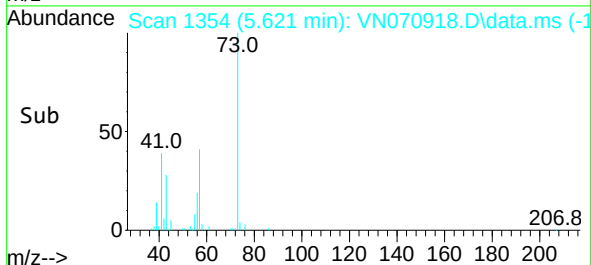
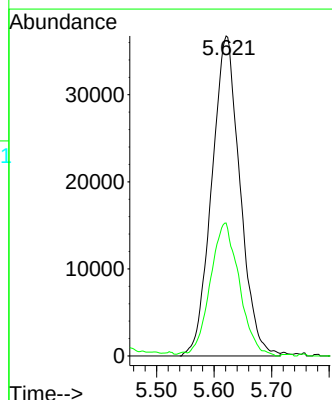
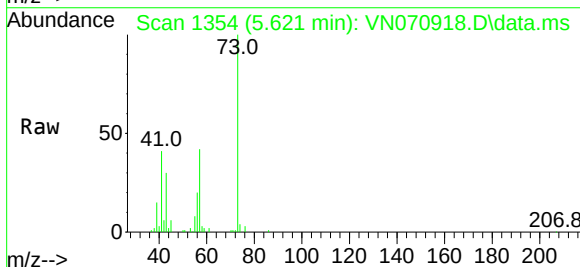
Acq: 3 Feb 2022 3:05

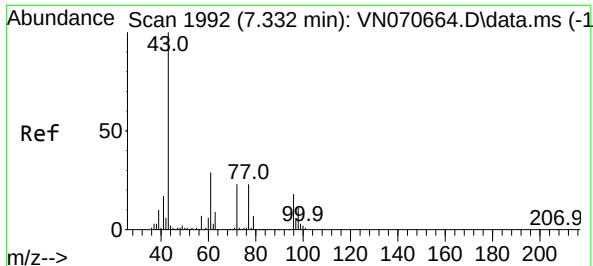
Tgt Ion: 73 Resp: 125349

Ion Ratio Lower Upper

73 100

57 41.6 16.8 25.2#





#25

2-Butanone

Concen: 32.820 ug/l

RT: 7.340 min Scan# 1992

Delta R.T. 0.005 min

Lab File: VN070918.D

Acq: 3 Feb 2022 3:05

Instrument :

MSVOA_N

ClientSampleId :

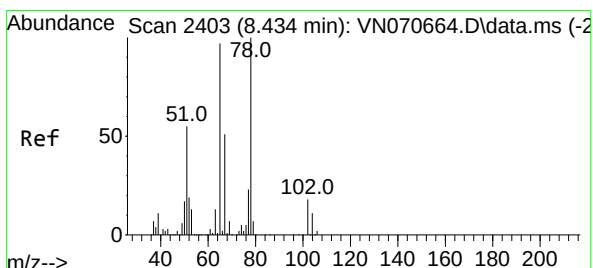
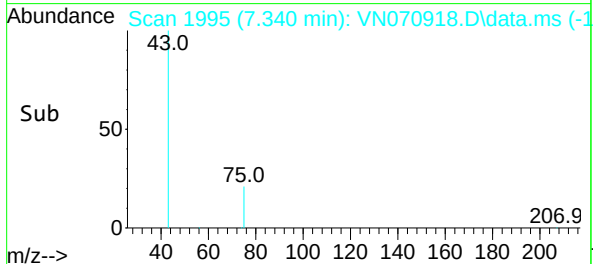
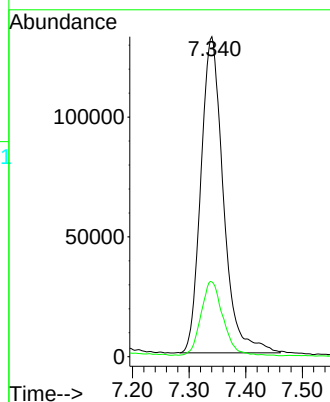
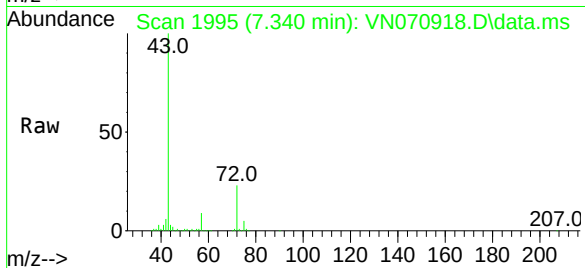
31539DL

Tgt Ion: 43 Resp: 363537

Ion Ratio Lower Upper

43 100

72 23.3 21.7 32.5



#33

1,2-Dichloroethane-d4

Concen: 47.336 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070918.D

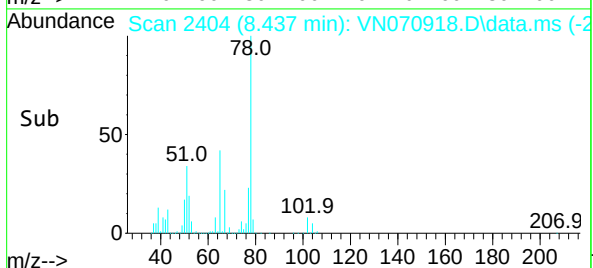
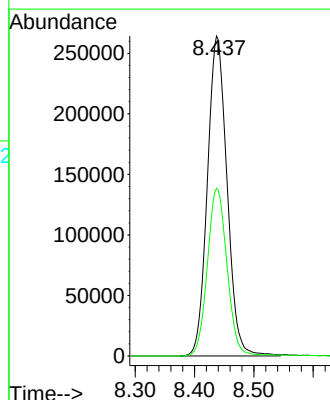
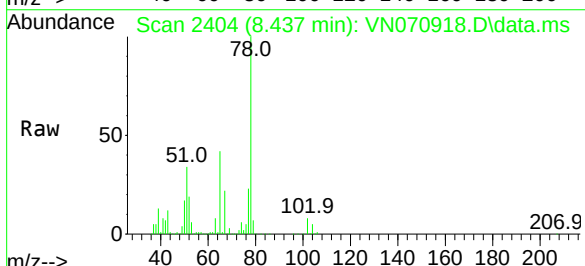
Acq: 3 Feb 2022 3:05

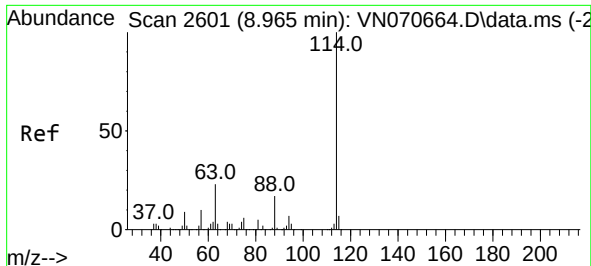
Tgt Ion: 65 Resp: 607491

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0

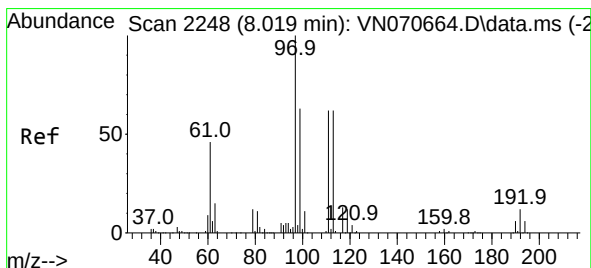
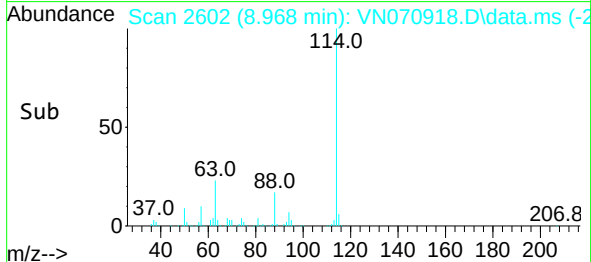
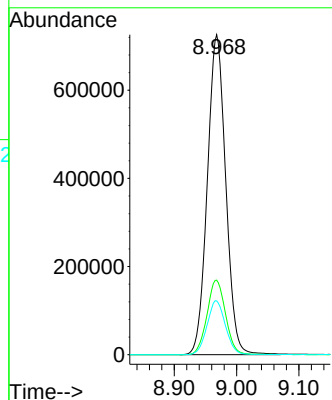
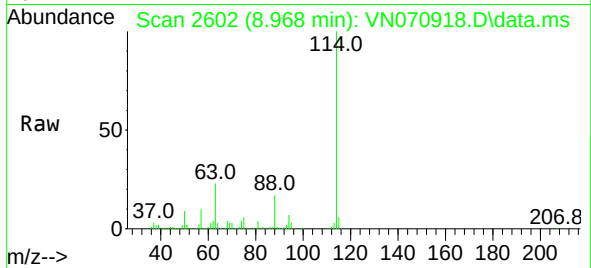




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 20
Delta R.T. 0.003 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

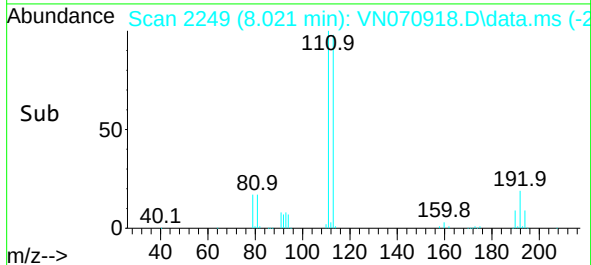
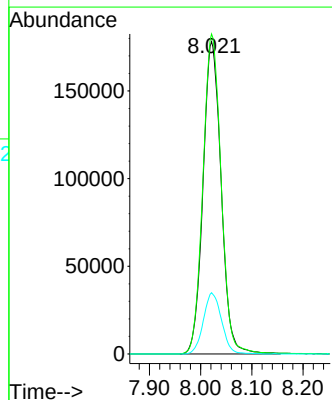
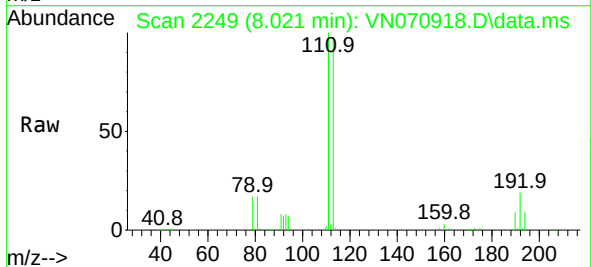
Instrument :
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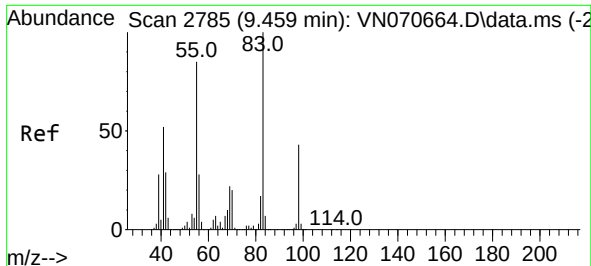
Tgt Ion:114 Resp: 1489911
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 16.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.154 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion:113 Resp: 438717
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.6 16.9 25.3





#39

Methylcyclohexane

Concen: 1.782 ug/l

RT: 9.461 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070918.D

Acq: 3 Feb 2022 3:05

Instrument :

MSVOA_N

ClientSampleId :

31539DL

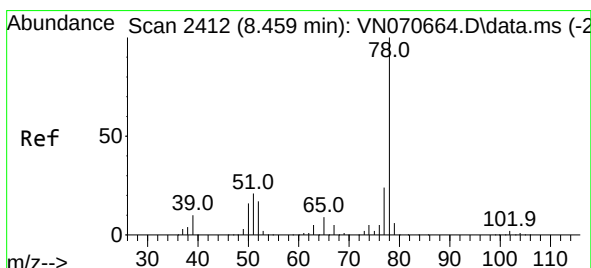
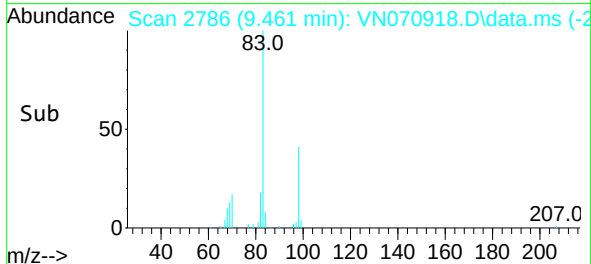
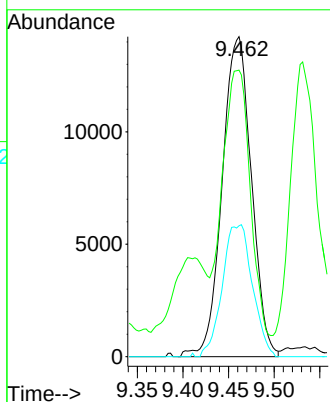
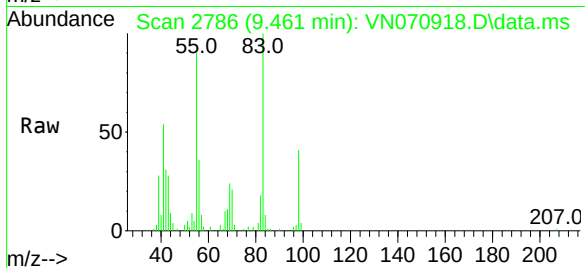
Tgt Ion: 83 Resp: 31766

Ion Ratio Lower Upper

83 100

55 78.7 58.1 87.1

98 40.9 38.4 57.6



#40

Benzene

Concen: 103.801 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.002 min

Lab File: VN070918.D

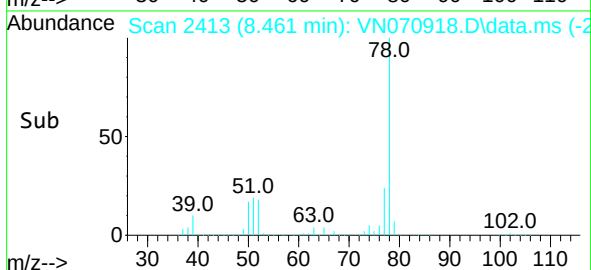
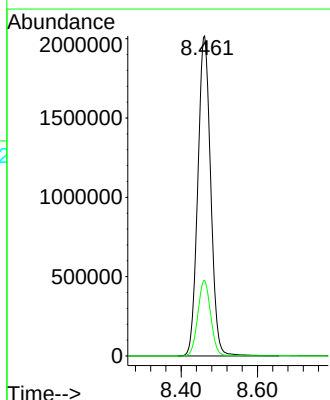
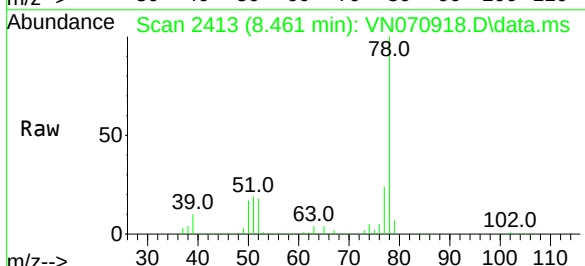
Acq: 3 Feb 2022 3:05

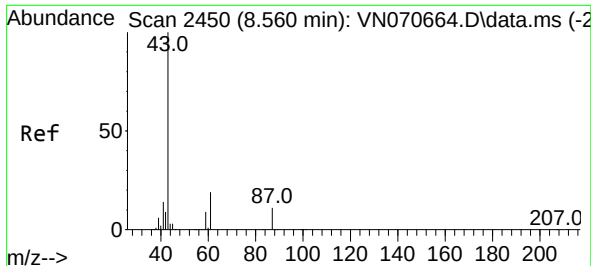
Tgt Ion: 78 Resp: 4728579

Ion Ratio Lower Upper

78 100

77 23.6 18.6 27.8

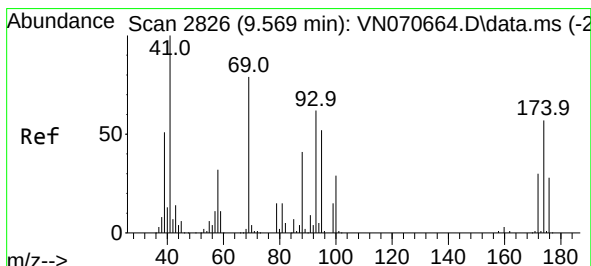
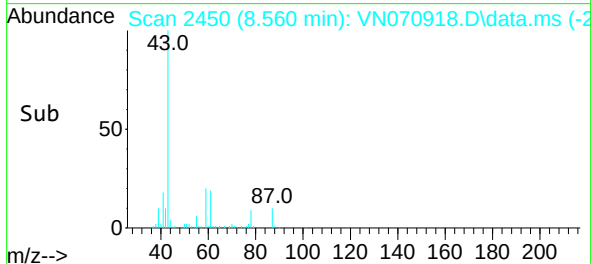
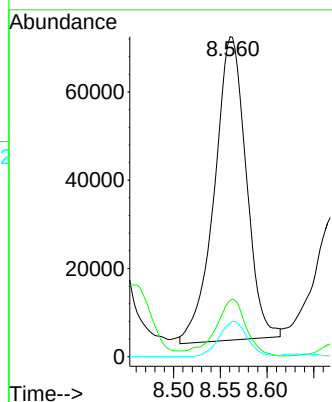
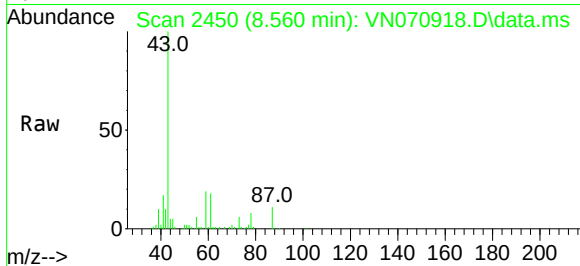




#43
Isopropyl Acetate
Concen: 4.835 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

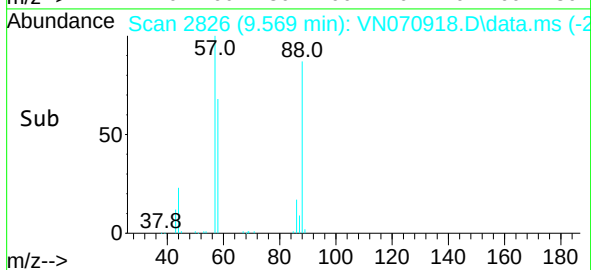
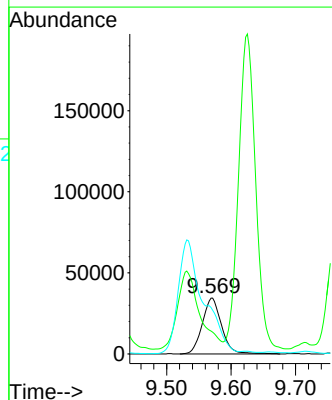
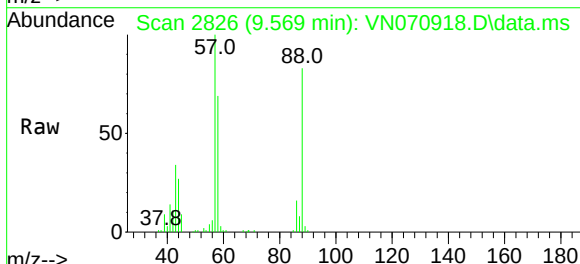
Instrument :
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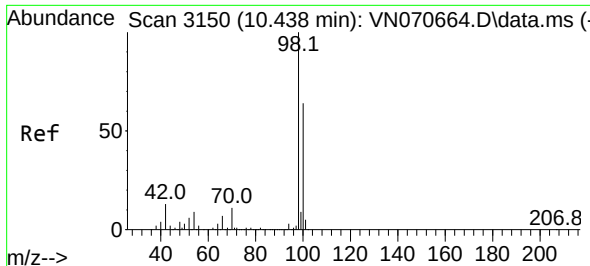
Tgt Ion: 43 Resp: 162445
Ion Ratio Lower Upper
43 100
61 18.4 20.4 30.6#
87 10.5 11.2 16.8#



#49
1,4-Dioxane
Concen: 293.807 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.000 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion: 88 Resp: 71290
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

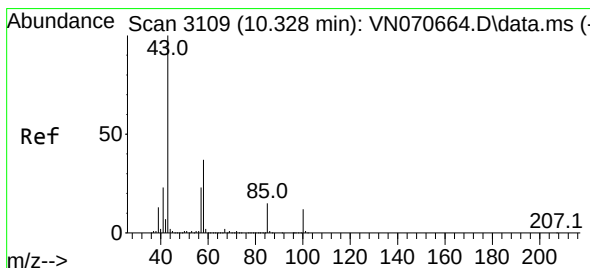
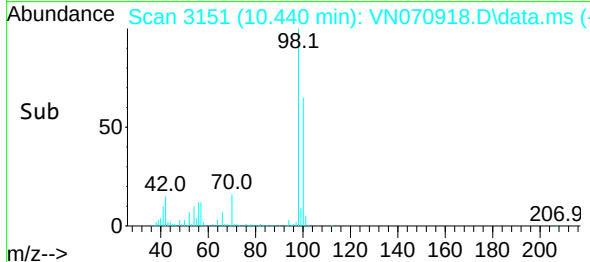
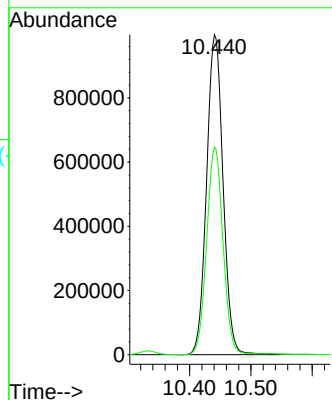
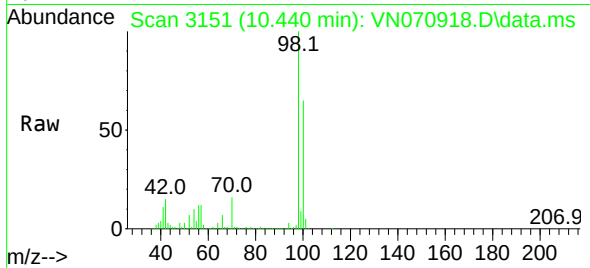




#50
Toluene-d8
Concen: 50.686 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. -0.001 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

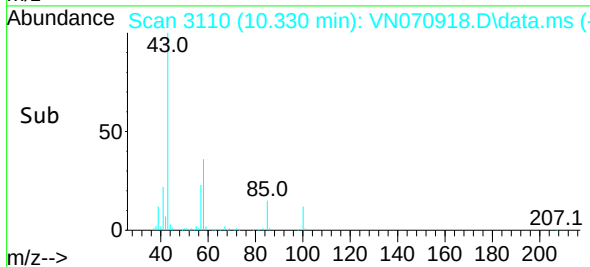
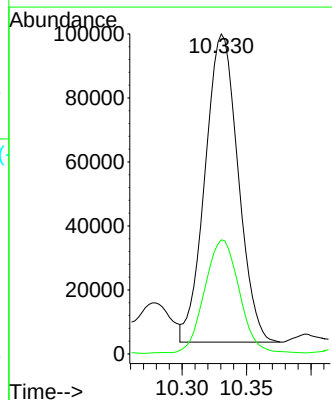
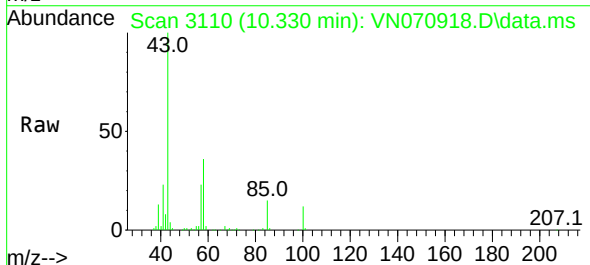
Instrument :
MSVOA_N
ClientSampleId :
31539DL

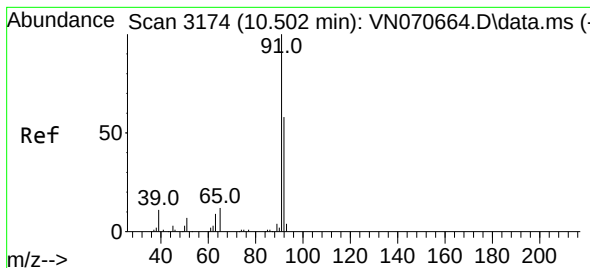
Tgt Ion: 98 Resp: 1857477
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 8.678 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.001 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion: 43 Resp: 171601
Ion Ratio Lower Upper
43 100
58 38.1 30.4 45.6





#52

Toluene

Concen: 100.139 ug/l

RT: 10.505 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN070918.D

Acq: 3 Feb 2022 3:05

Instrument :

MSVOA_N

ClientSampleId :

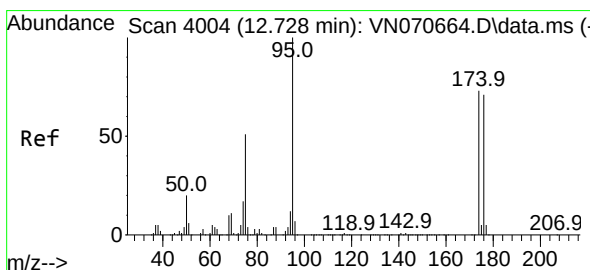
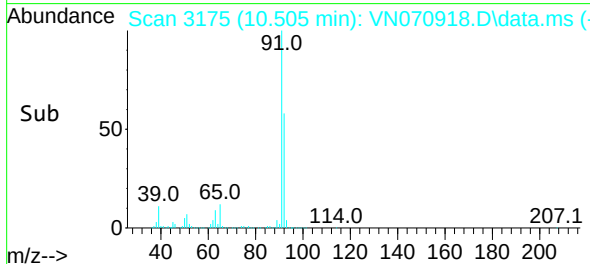
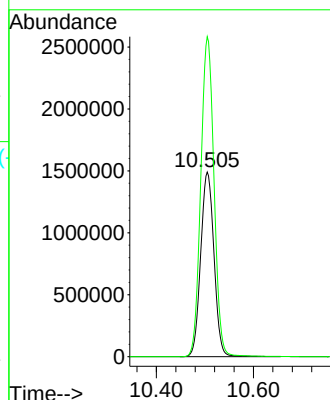
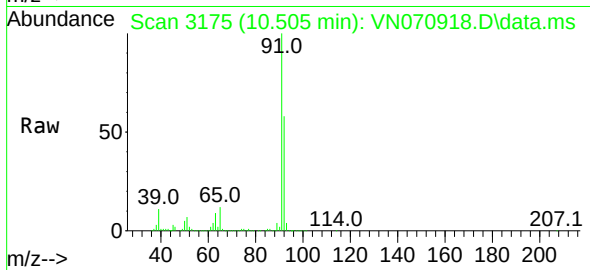
31539DL

Tgt Ion: 92 Resp: 2826463

Ion Ratio Lower Upper

92 100

91 172.7 142.0 213.0



#62

4-Bromofluorobenzene

Concen: 52.585 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.000 min

Lab File: VN070918.D

Acq: 3 Feb 2022 3:05

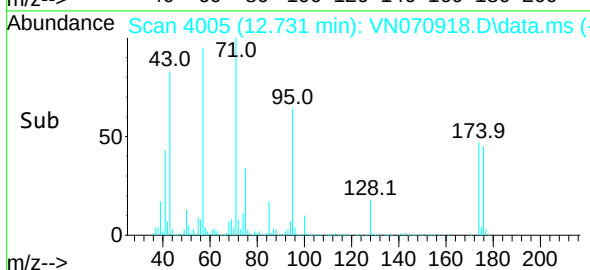
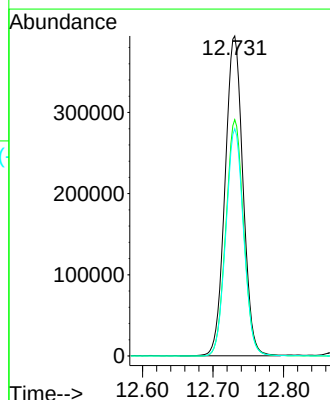
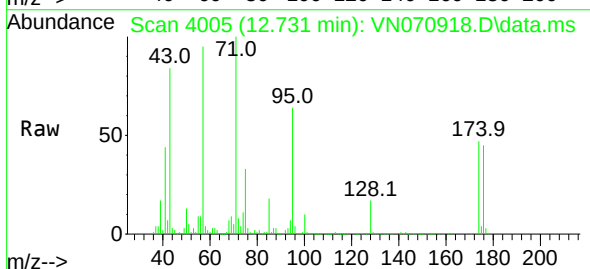
Tgt Ion: 95 Resp: 694363

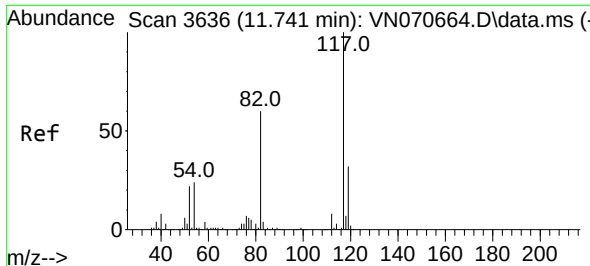
Ion Ratio Lower Upper

95 100

174 73.3 0.0 187.2

176 70.4 0.0 181.4

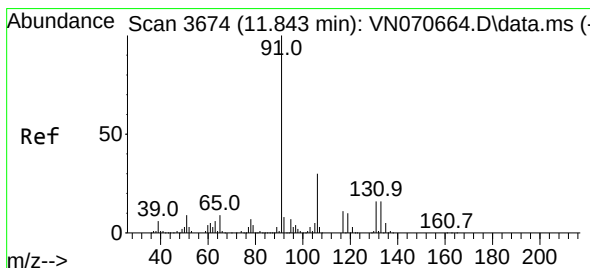
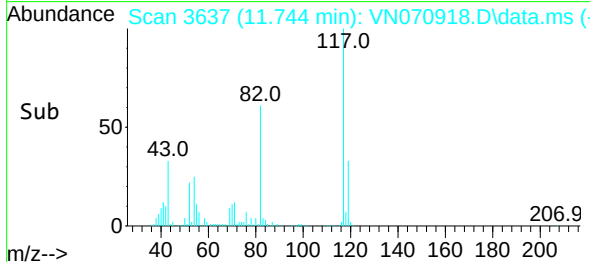
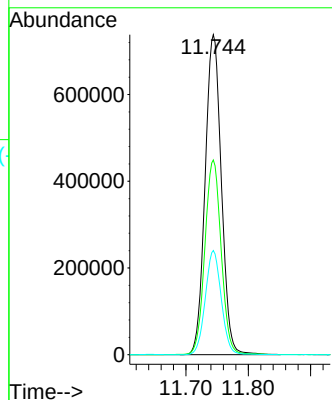
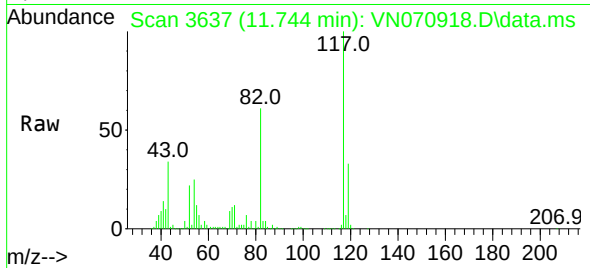




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. -0.000 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

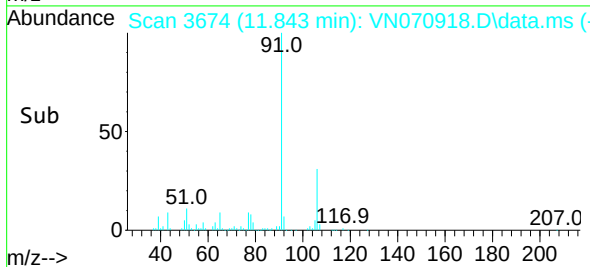
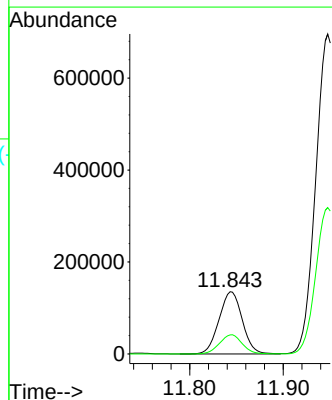
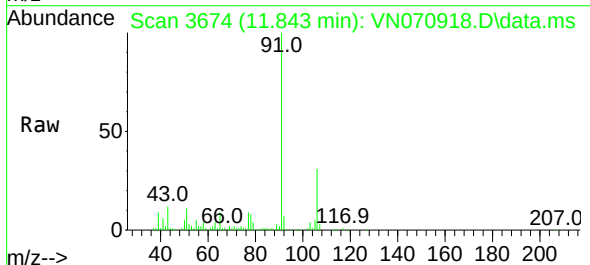
Instrument :
MSVOA_N
ClientSampleId :
31539DL

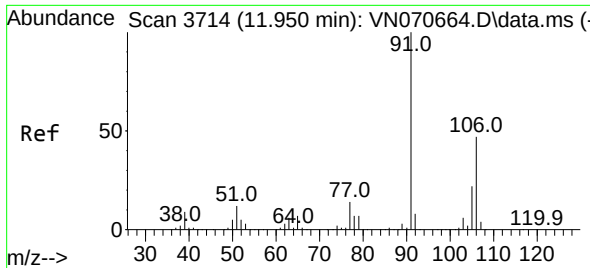
Tgt Ion:117 Resp: 1336398
Ion Ratio Lower Upper
117 100
82 60.8 42.4 63.6
119 32.5 25.4 38.2



#67
Ethyl Benzene
Concen: 4.589 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion: 91 Resp: 233998
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5

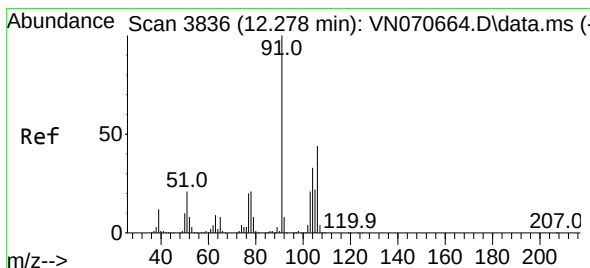
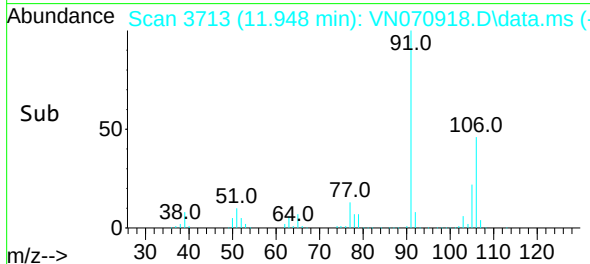
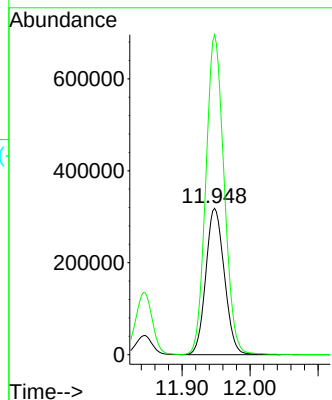
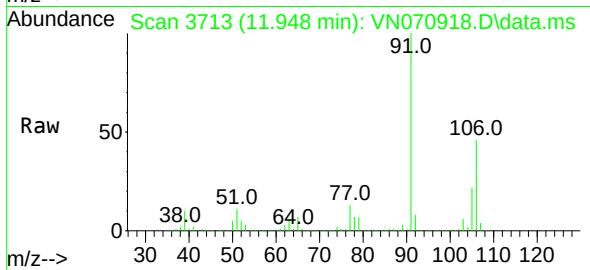




#68
m/p-Xylenes
Concen: 31.942 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

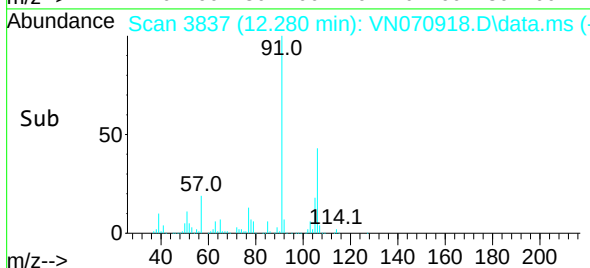
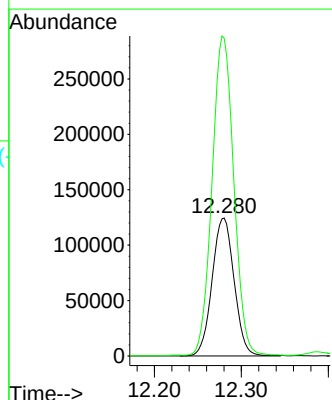
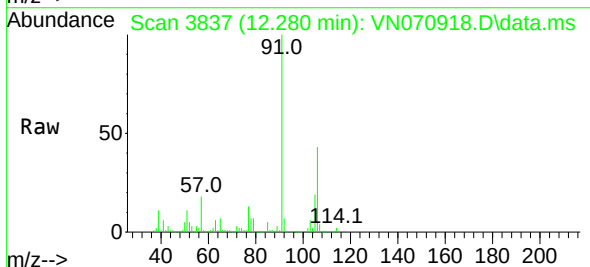
Instrument :
MSVOA_N
ClientSampleId :
31539DL

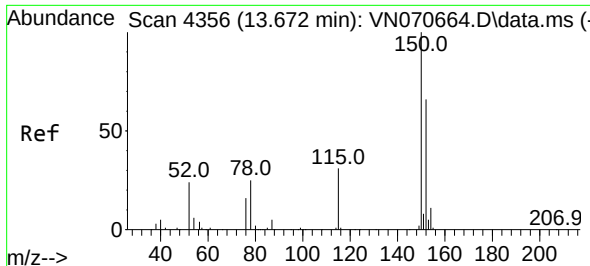
Tgt Ion:106 Resp: 603452
Ion Ratio Lower Upper
106 100
91 215.1 160.6 240.8



#69
o-Xylene
Concen: 11.564 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion:106 Resp: 218653
Ion Ratio Lower Upper
106 100
91 228.3 105.8 317.3

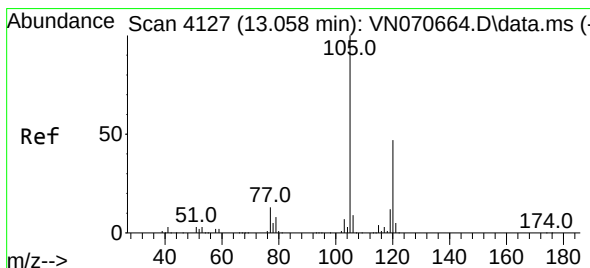
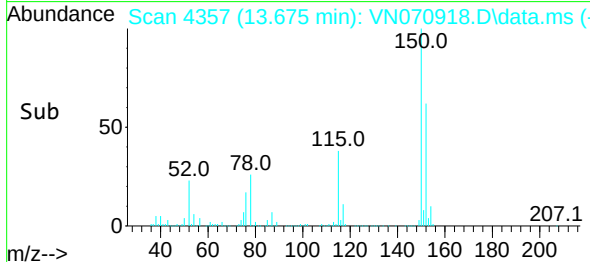
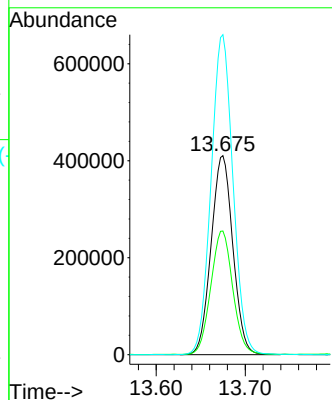
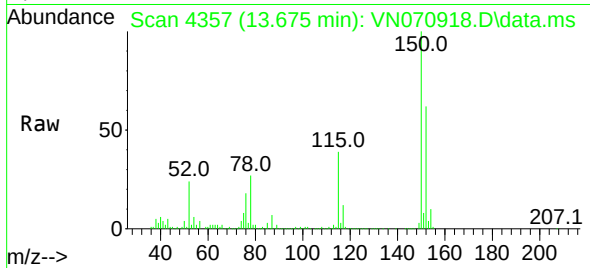




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

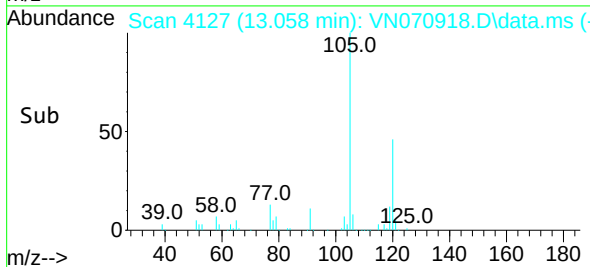
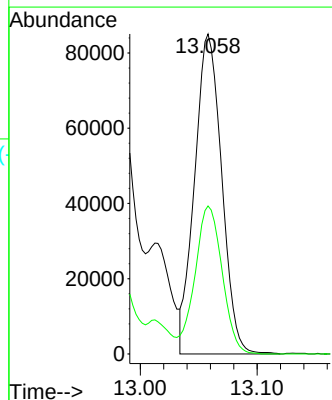
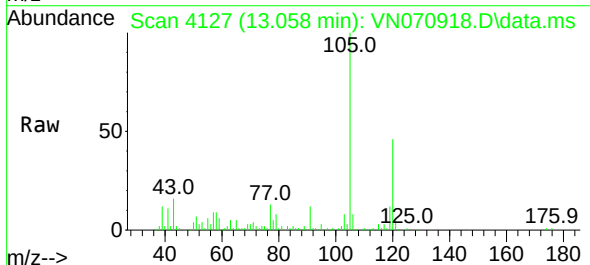
Instrument :
MSVOA_N
ClientSampleId :
31539DL

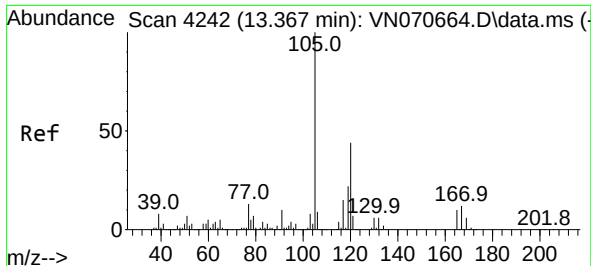
Tgt Ion:152 Resp: 697061
Ion Ratio Lower Upper
152 100
115 62.4 27.5 82.5
150 161.9 0.0 344.4



#80
1,3,5-Trimethylbenzene
Concen: 2.772 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion:105 Resp: 136644
Ion Ratio Lower Upper
105 100
120 46.7 24.6 73.6

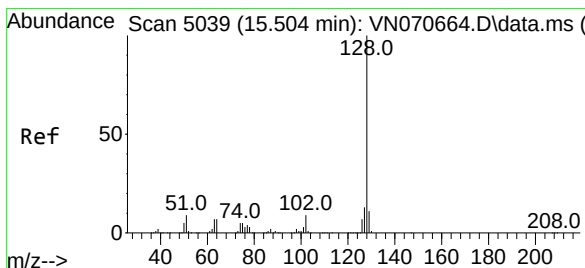
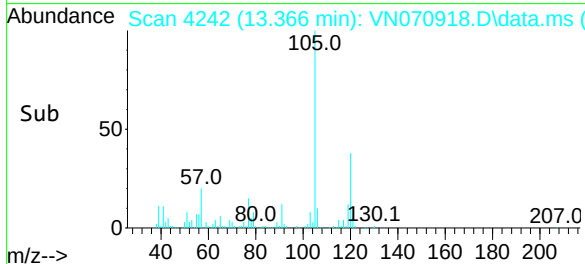
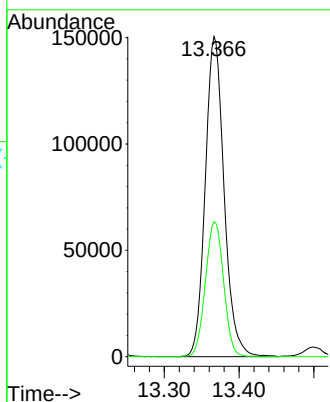
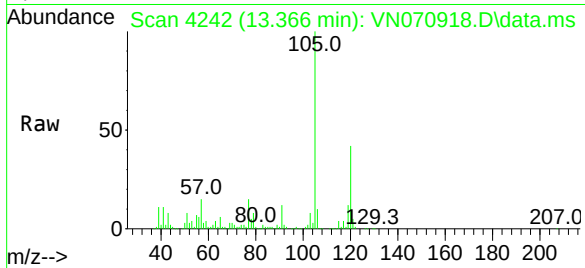




#84
1,2,4-Trimethylbenzene
Concen: 5.469 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Instrument :
MSVOA_N
ClientSampleId :
31539DL

Tgt Ion:105 Resp: 263647
Ion Ratio Lower Upper
105 100
120 40.8 22.8 68.4



#95
Naphthalene
Concen: 4.538 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070918.D
Acq: 3 Feb 2022 3:05

Tgt Ion:128 Resp: 39100
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 4.5 8.7 13.1#

