

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070916.D
 Acq On : 3 Feb 2022 2:14
 Operator : JC/MD
 Sample : N1342-13DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31534DL

Quant Time: Feb 03 06:01:40 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)

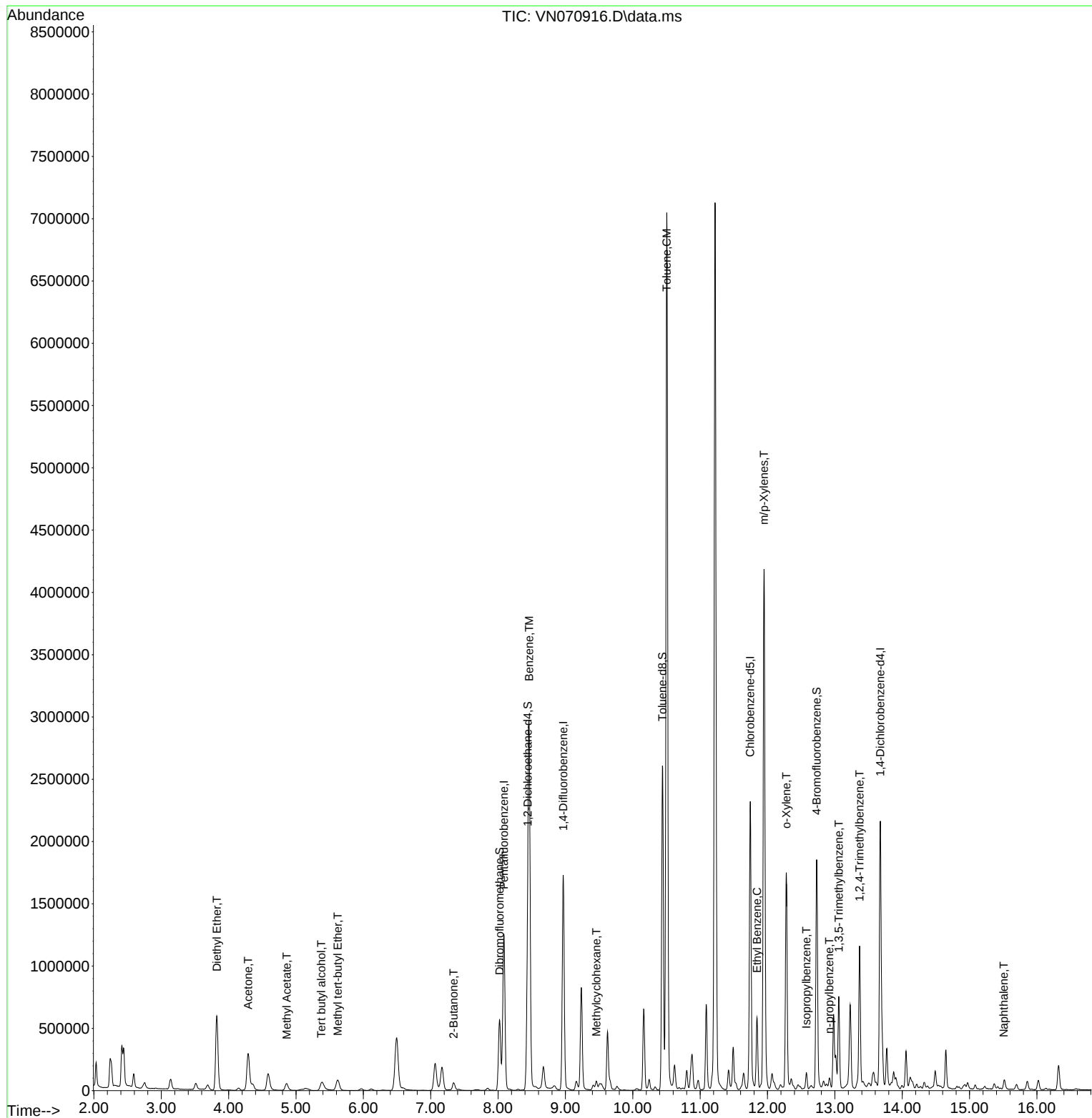
Internal Standards						
1) Pentafluorobenzene	8.086	168	922717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1470822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1303168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	566021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	592501	47.438	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.880%		
35) Dibromofluoromethane	8.021	113	426358	48.389	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.780%		
50) Toluene-d8	10.440	98	1802013	49.811	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.620%		
62) 4-Bromofluorobenzene	12.731	95	657548	50.443	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.880%		
Target Compounds						
						Qvalue
8) Diethyl Ether	3.824	74	329730	47.127	ug/l	83
11) Tert butyl alcohol	5.377	59	97096	36.996	ug/l	100
16) Acetone	4.291	43	573717	76.820	ug/l	96
18) Methyl Acetate	4.862	43	118621	6.559	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	115225	3.245	ug/l #	69
25) 2-Butanone	7.340	43	102498	9.508	ug/l #	88
39) Methylcyclohexane	9.459	83	28897	1.642	ug/l	92
40) Benzene	8.461	78	2825776	62.836	ug/l	98
52) Toluene	10.505	92	3075596	110.380	ug/l	97
67) Ethyl Benzene	11.843	91	406638	8.179	ug/l	95
68) m/p-Xylenes	11.948	106	1264034	68.614	ug/l	91
69) o-Xylene	12.280	106	468566	25.414	ug/l	90
73) Isopropylbenzene	12.578	105	87631	1.774	ug/l	97
78) n-propylbenzene	12.919	91	66666	1.184	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	404514	10.104	ug/l	96
84) 1,2,4-Trimethylbenzene	13.366	105	656427	16.768	ug/l	96
95) Naphthalene	15.507	128	13167	3.957	ug/l	97

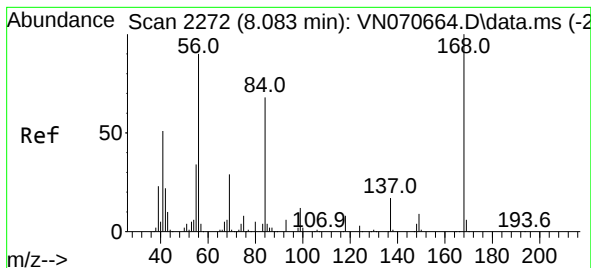
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN070916.D

Acq: 3 Feb 2022 2:14

Instrument :

MSVOA_N

ClientSampleId :

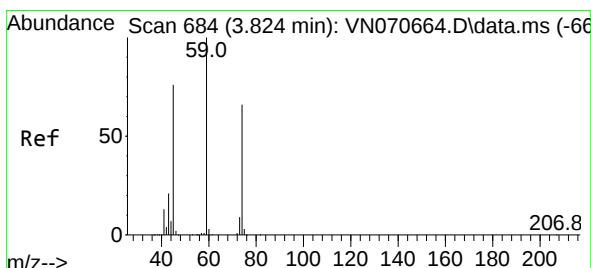
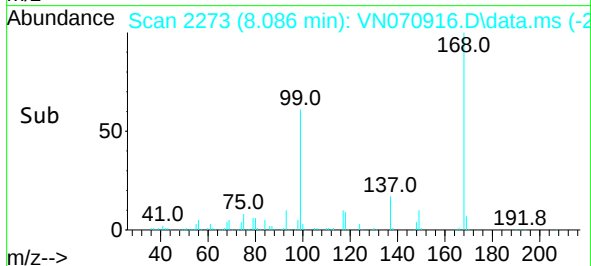
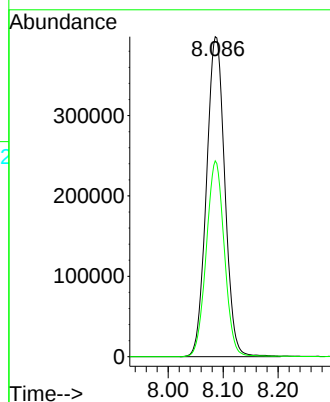
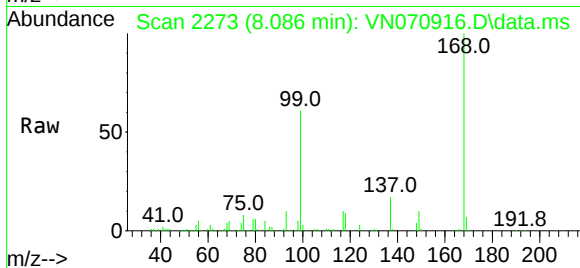
31534DL

Tgt Ion:168 Resp: 922717

Ion Ratio Lower Upper

168 100

99 61.2 41.3 61.9



#8

Diethyl Ether

Concen: 47.127 ug/l

RT: 3.824 min Scan# 684

Delta R.T. 0.003 min

Lab File: VN070916.D

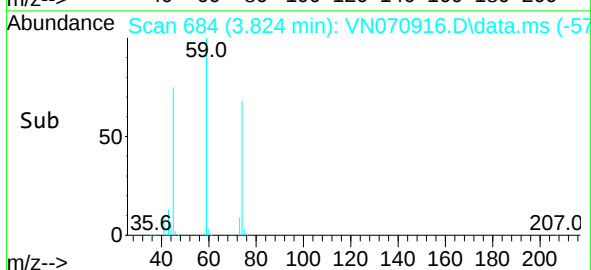
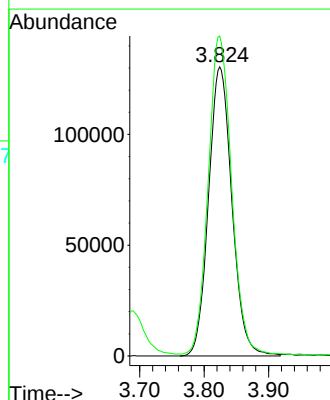
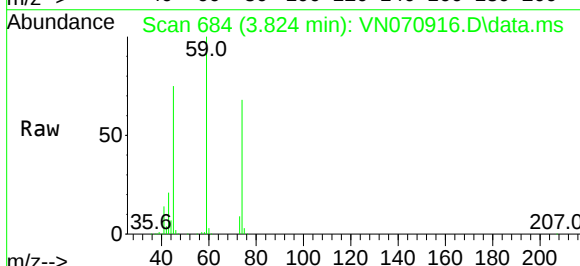
Acq: 3 Feb 2022 2:14

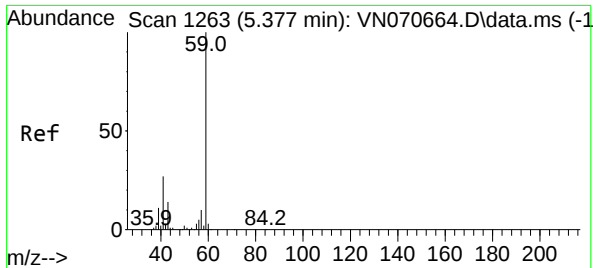
Tgt Ion: 74 Resp: 329730

Ion Ratio Lower Upper

74 100

45 110.1 47.0 141.2

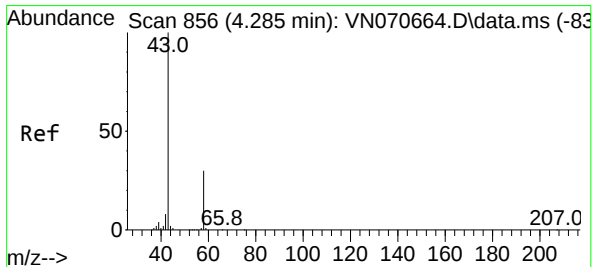
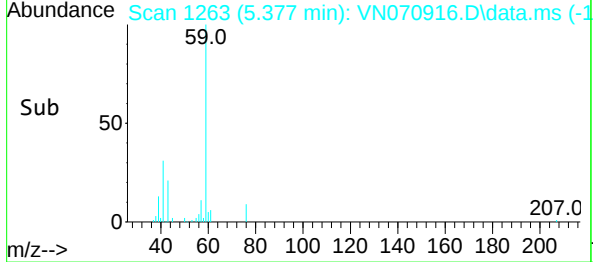
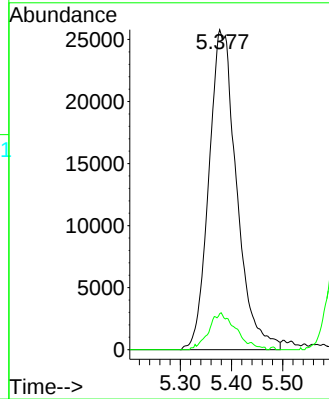
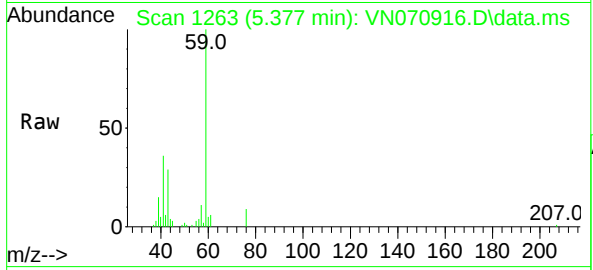




#11
Tert butyl alcohol
Concen: 36.996 ug/l
RT: 5.377 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

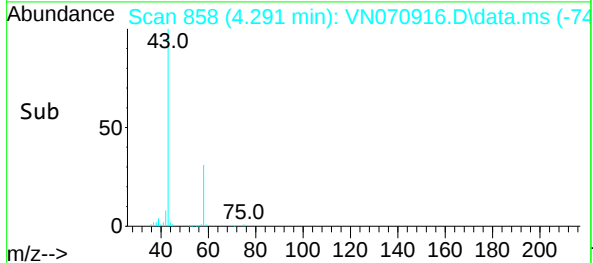
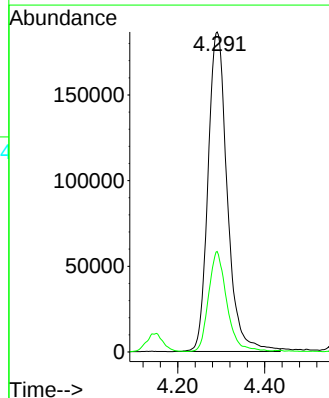
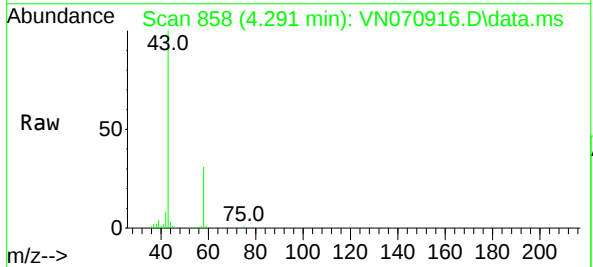
Instrument :
MSVOA_N
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31534DL

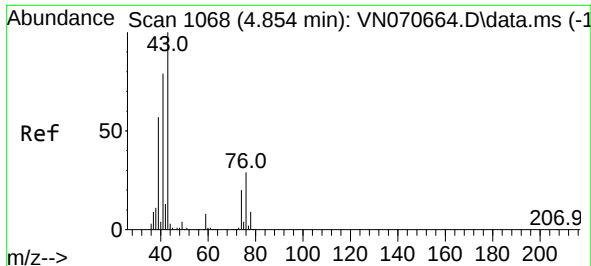
Tgt Ion: 59 Resp: 97096
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1



#16
Acetone
Concen: 76.820 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion: 43 Resp: 573717
Ion Ratio Lower Upper
43 100
58 31.2 23.1 34.7





#18

Methyl Acetate

Concen: 6.559 ug/l

RT: 4.862 min Scan# 11

Delta R.T. 0.008 min

Lab File: VN070916.D

Acq: 3 Feb 2022 2:14

Instrument :

MSVOA_N

ClientSampleId :

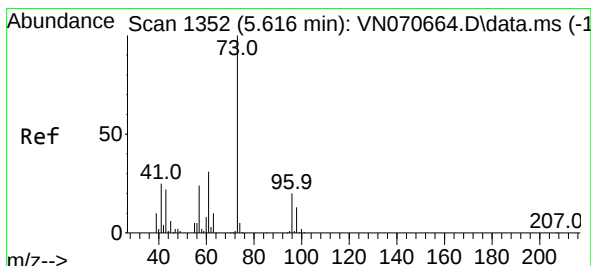
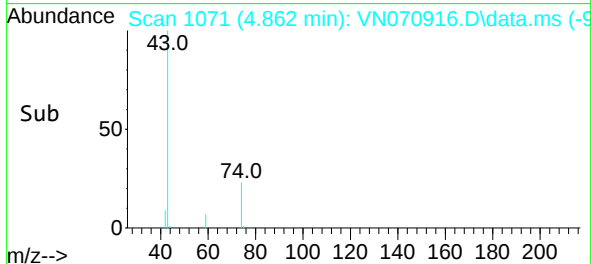
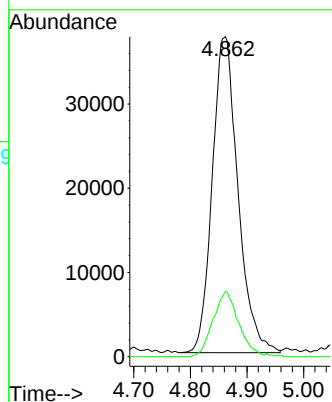
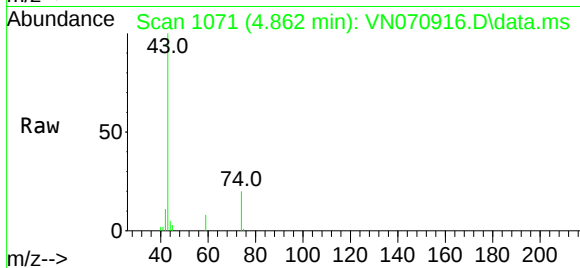
31534DL

Tgt Ion: 43 Resp: 118621

Ion Ratio Lower Upper

43 100

74 20.5 19.4 29.2



#19

Methyl tert-butyl Ether

Concen: 3.245 ug/l

RT: 5.618 min Scan# 1353

Delta R.T. 0.002 min

Lab File: VN070916.D

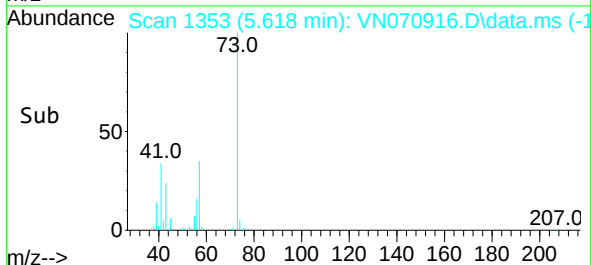
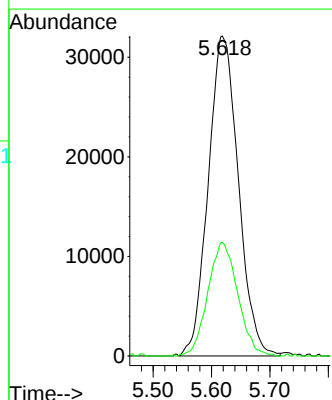
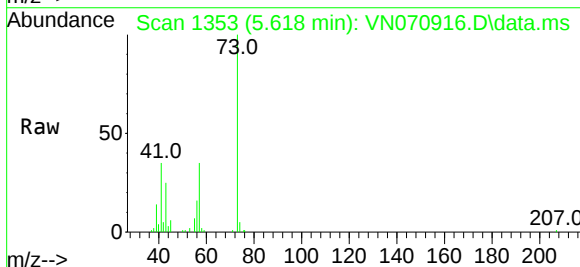
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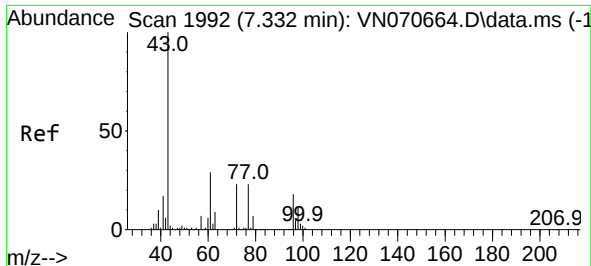
Tgt Ion: 73 Resp: 115225

Ion Ratio Lower Upper

73 100

57 35.5 16.8 25.2#

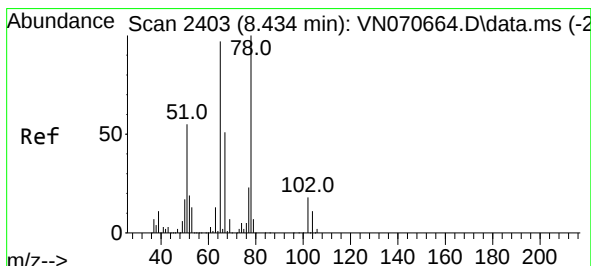
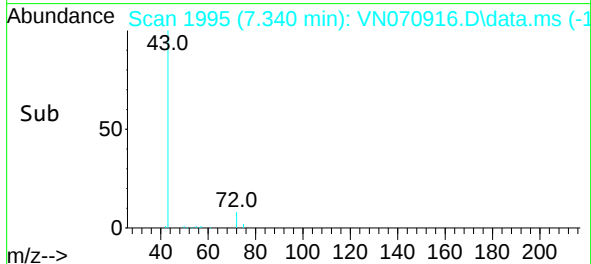
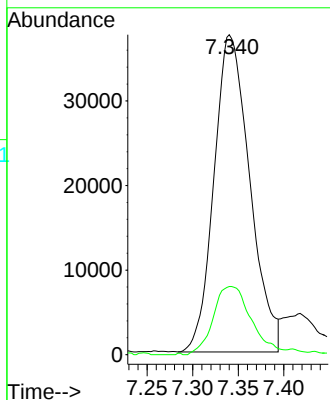
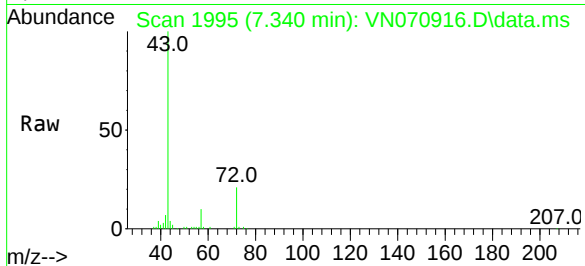




#25
2-Butanone
Concen: 9.508 ug/l
RT: 7.340 min Scan# 1992
Delta R.T. 0.005 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

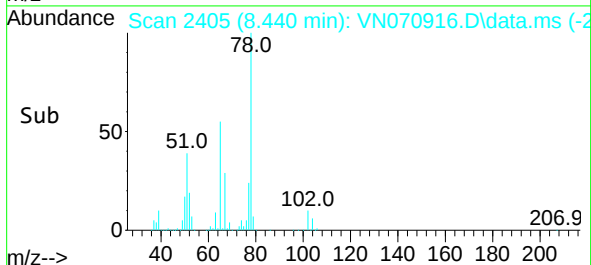
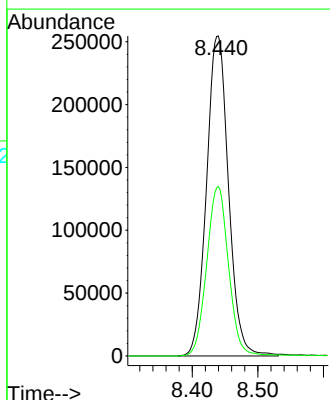
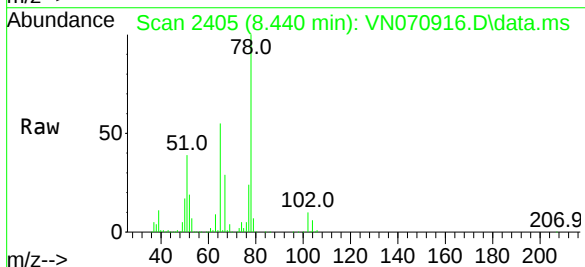
Instrument :
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ClientSampleId :
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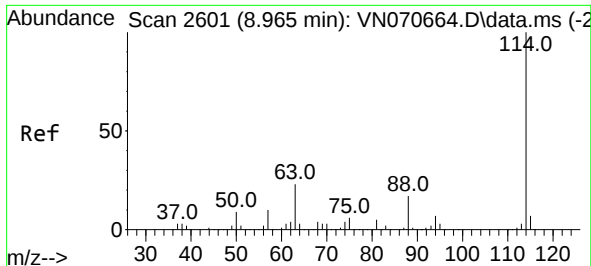
Tgt Ion: 43 Resp: 102498
Ion Ratio Lower Upper
43 100
72 21.0 21.7 32.5#



#33
1,2-Dichloroethane-d4
Concen: 47.438 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion: 65 Resp: 592501
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0

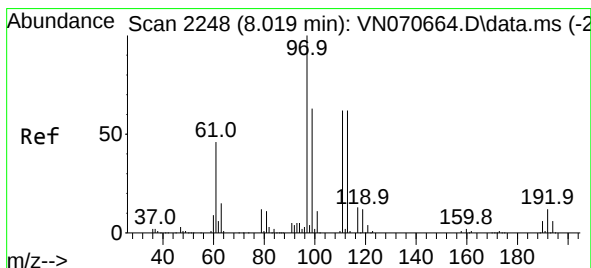
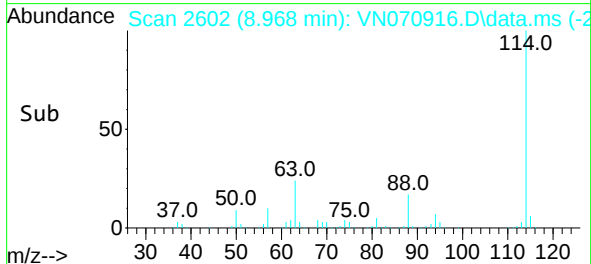
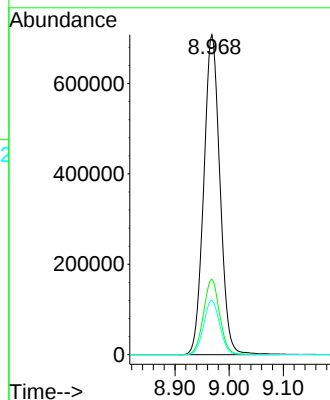
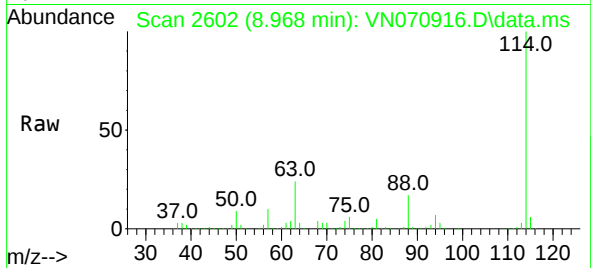




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

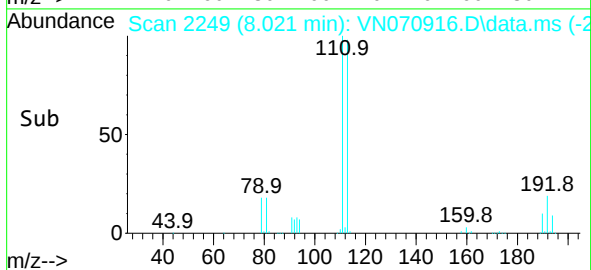
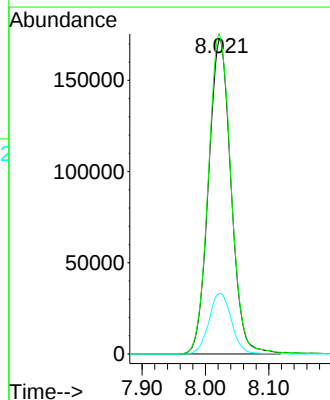
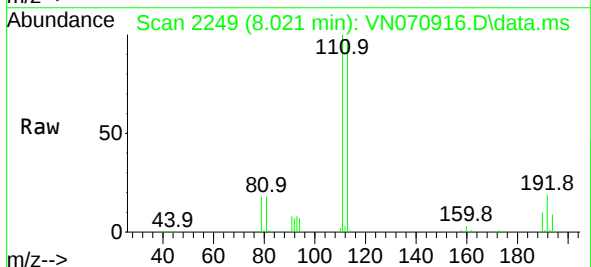
Instrument :
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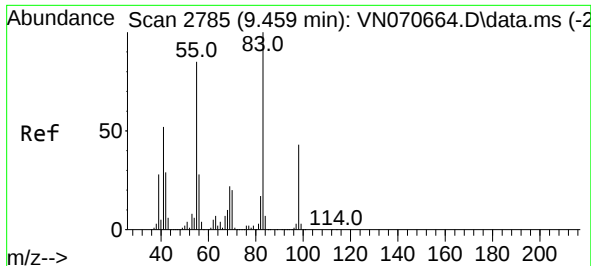
Tgt Ion:114 Resp: 1470822
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 17.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.389 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion:113 Resp: 426358
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.3 16.9 25.3

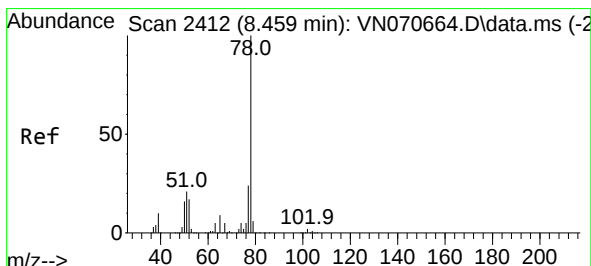
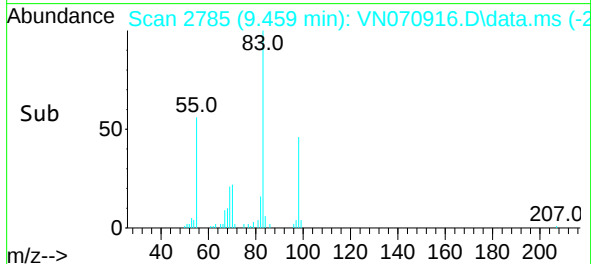
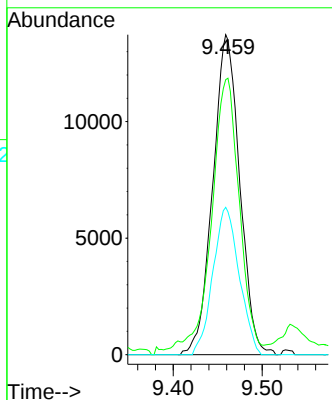
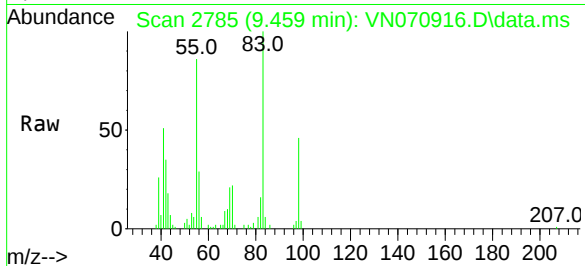




#39
Methylcyclohexane
Concen: 1.642 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

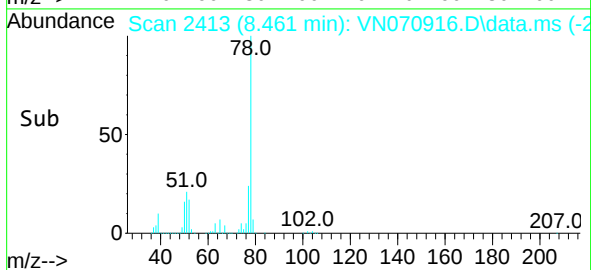
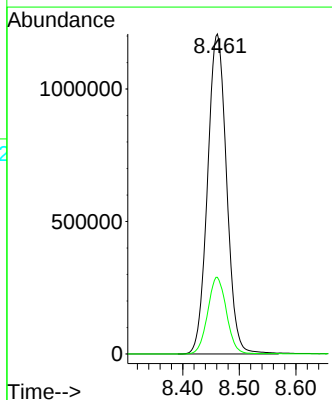
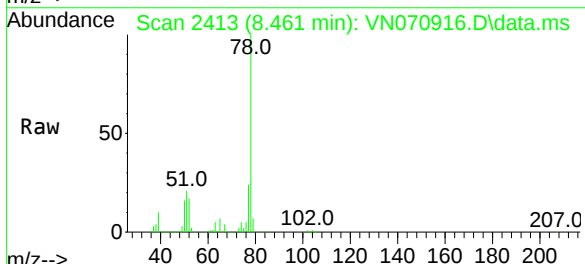
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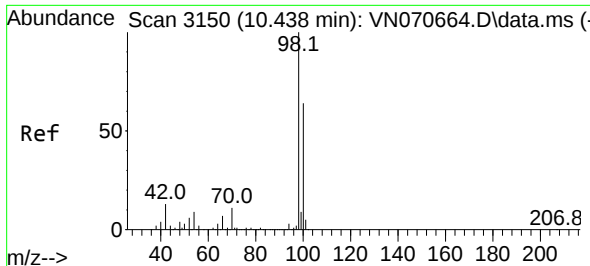
Tgt Ion: 83 Resp: 28897
Ion Ratio Lower Upper
83 100
55 81.6 58.1 87.1
98 46.0 38.4 57.6



#40
Benzene
Concen: 62.836 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.002 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion: 78 Resp: 2825776
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8

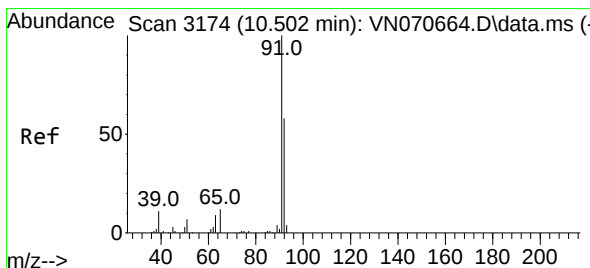
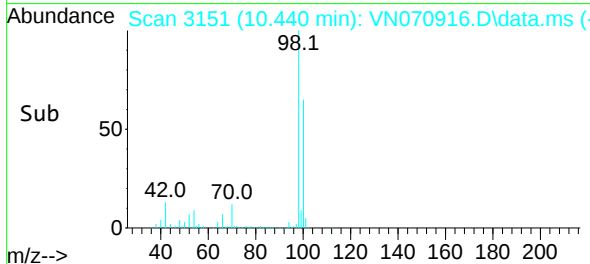
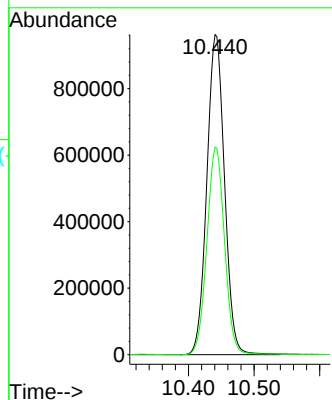
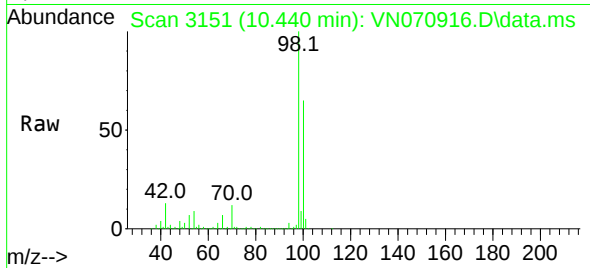




#50
Toluene-d8
Concen: 49.811 ug/l
RT: 10.440 min Scan# 3150
Delta R.T. -0.001 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

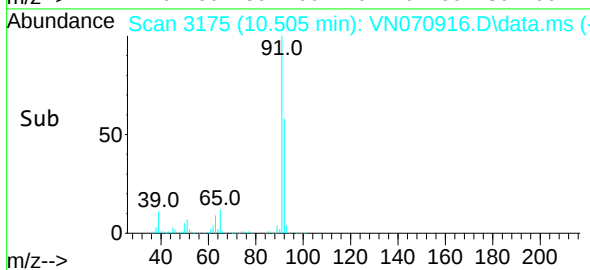
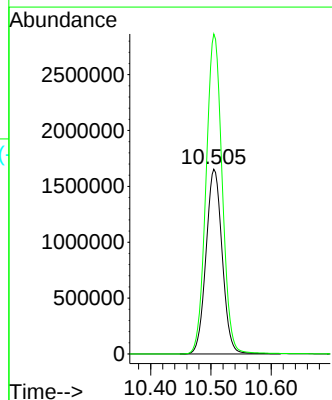
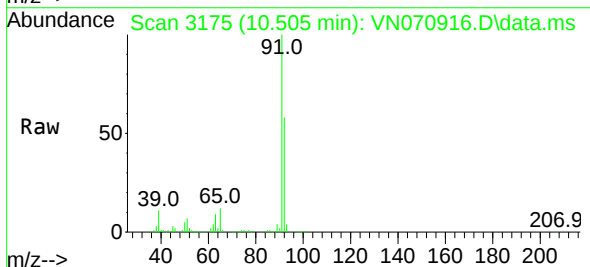
Instrument :
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ClientSampleId :
31534DL

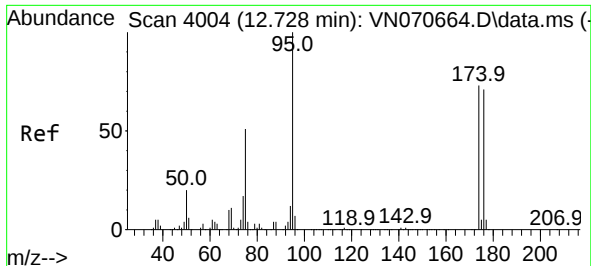
Tgt Ion: 98 Resp: 1802013
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#52
Toluene
Concen: 110.380 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion: 92 Resp: 3075596
Ion Ratio Lower Upper
92 100
91 173.6 142.0 213.0

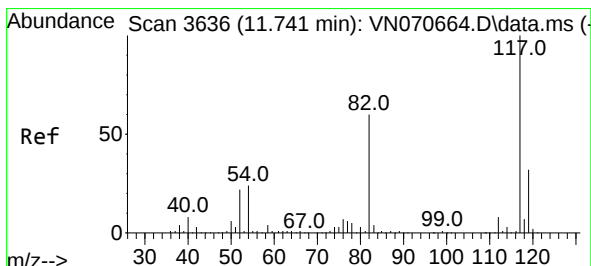
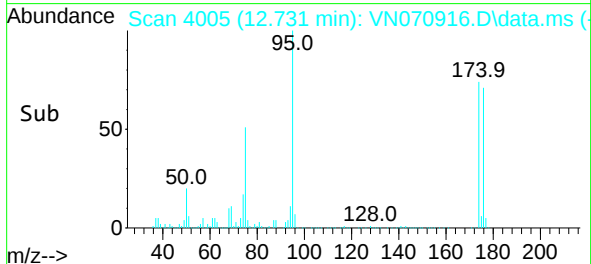
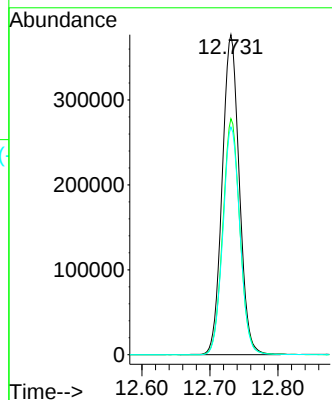
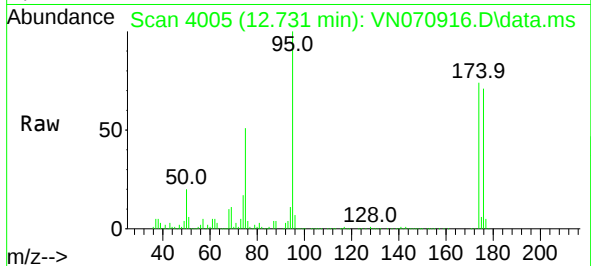




#62
4-Bromofluorobenzene
Concen: 50.443 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

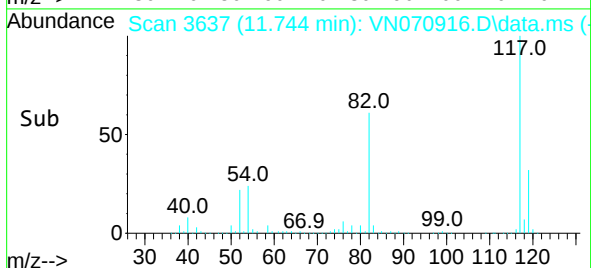
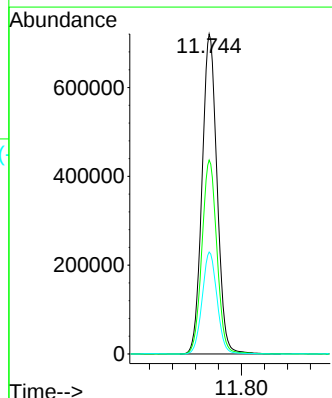
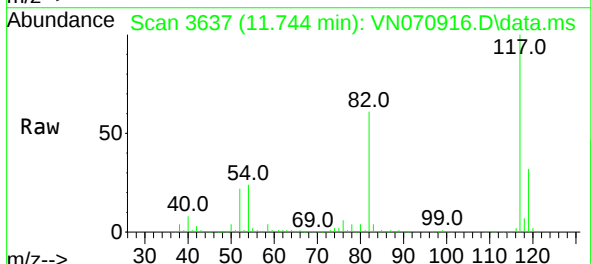
Instrument :
MSVOA_N
ClientSampleId :
31534DL

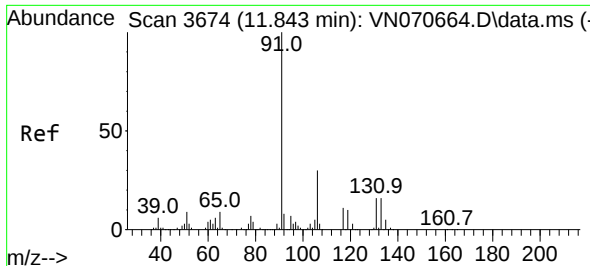
Tgt Ion: 95 Resp: 657548
Ion Ratio Lower Upper
95 100
174 73.4 0.0 187.2
176 71.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion: 117 Resp: 1303168
Ion Ratio Lower Upper
117 100
82 60.6 42.4 63.6
119 31.8 25.4 38.2

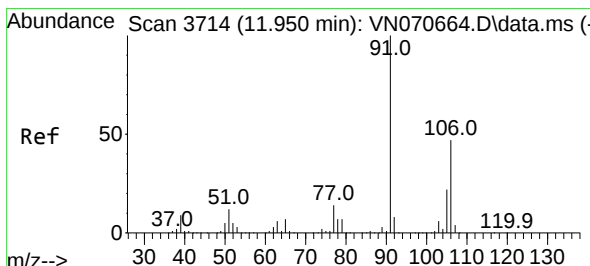
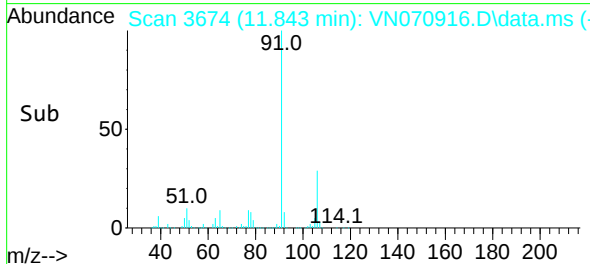
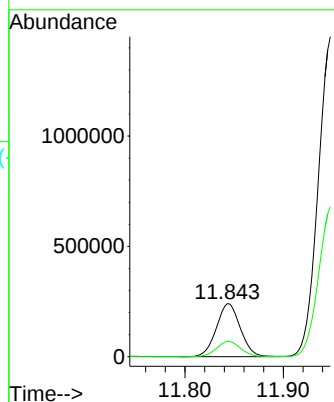
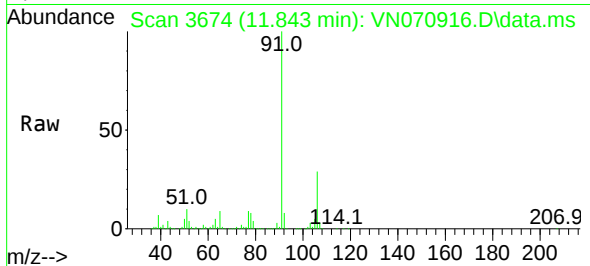




#67
Ethyl Benzene
Concen: 8.179 ug/l
RT: 11.843 min Scan# 3074
Delta R.T. 0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

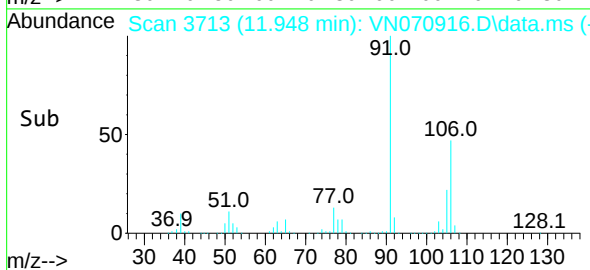
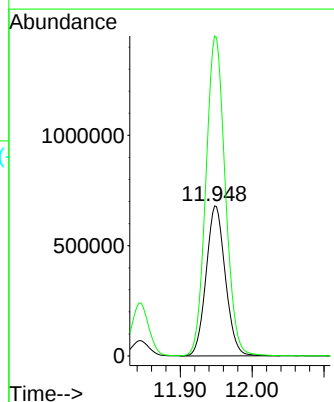
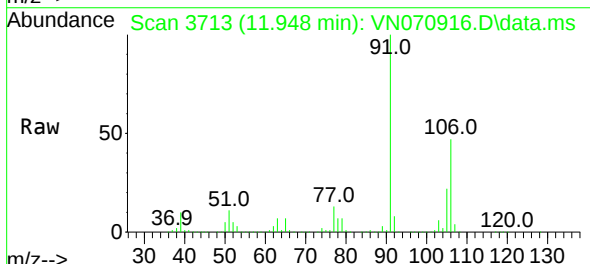
Instrument :
MSVOA_N
ClientSampleId :
31534DL

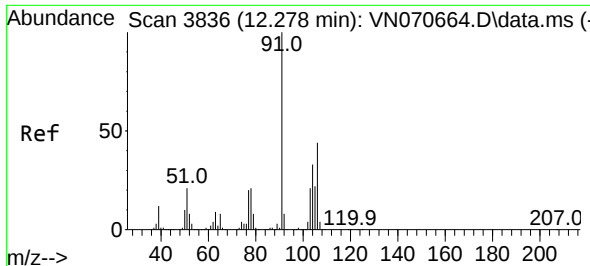
Tgt Ion: 91 Resp: 406638
Ion Ratio Lower Upper
91 100
106 29.0 25.7 38.5



#68
m/p-Xylenes
Concen: 68.614 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.005 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion: 106 Resp: 1264034
Ion Ratio Lower Upper
106 100
91 214.9 160.6 240.8

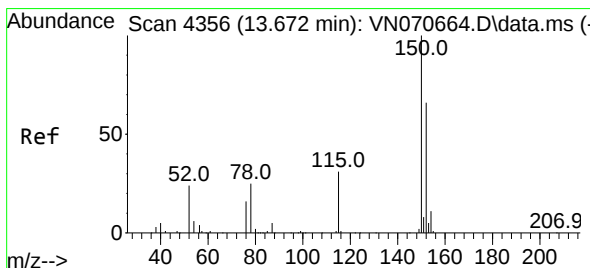
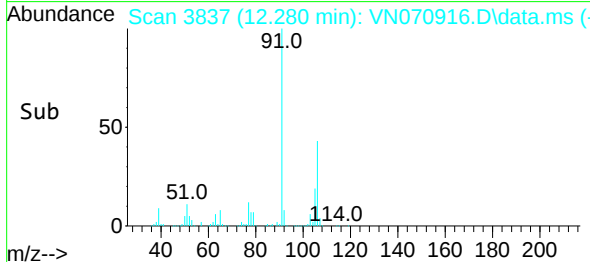
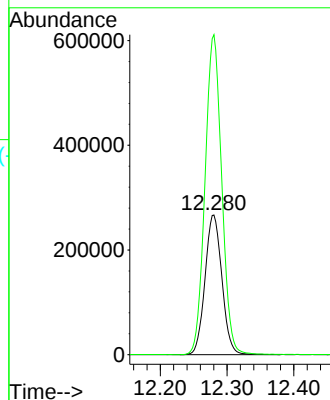
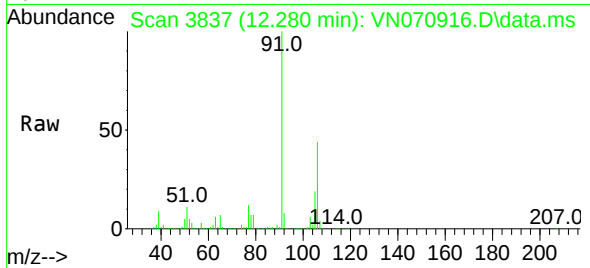




#69
o-Xylene
Concen: 25.414 ug/l
RT: 12.280 min Scan# 3836
Delta R.T. 0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

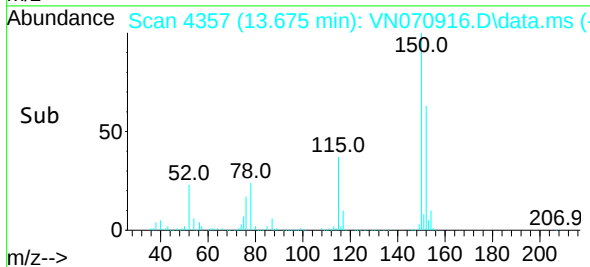
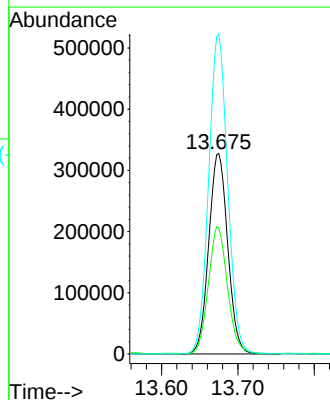
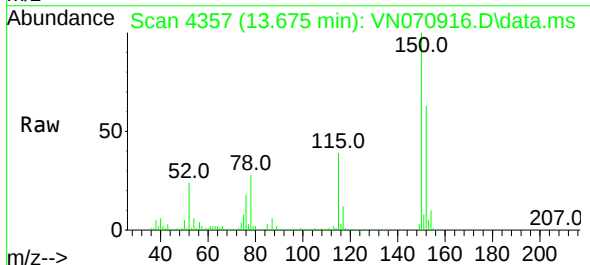
Instrument :
MSVOA_N
ClientSampleId :
31534DL

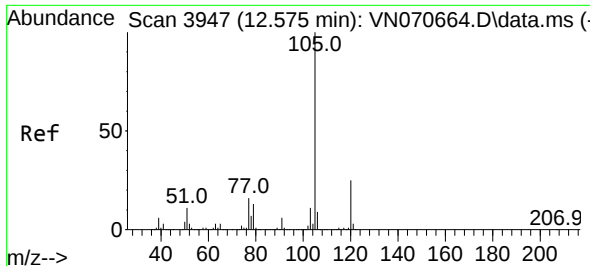
Tgt Ion:106 Resp: 468566
Ion Ratio Lower Upper
106 100
91 226.7 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion:152 Resp: 566021
Ion Ratio Lower Upper
152 100
115 63.8 27.5 82.5
150 159.8 0.0 344.4

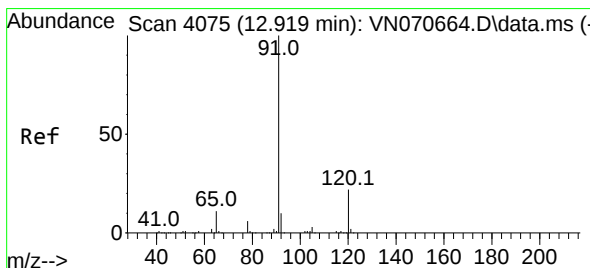
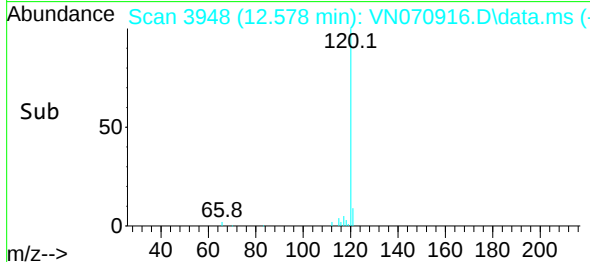
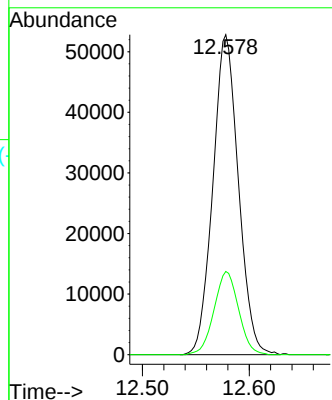
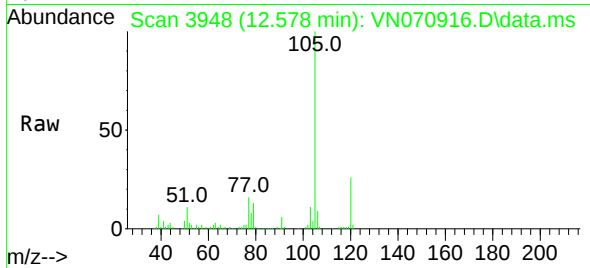




#73
Isopropylbenzene
Concen: 1.774 ug/l
RT: 12.578 min Scan# 3947
Delta R.T. -0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

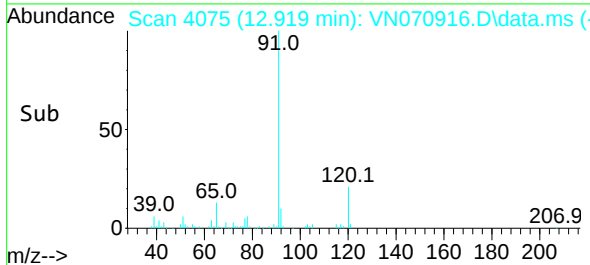
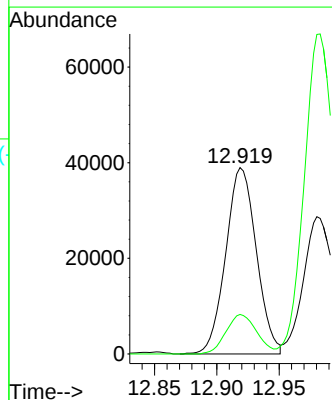
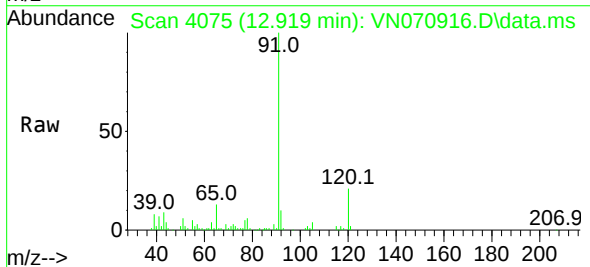
Instrument :
MSVOA_N
ClientSampleId :
31534DL

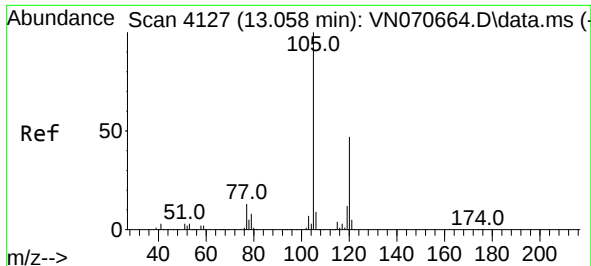
Tgt Ion:105 Resp: 87631
Ion Ratio Lower Upper
105 100
120 25.0 13.4 40.1



#78
n-propylbenzene
Concen: 1.184 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Tgt Ion: 91 Resp: 66666
Ion Ratio Lower Upper
91 100
120 21.2 11.9 35.9

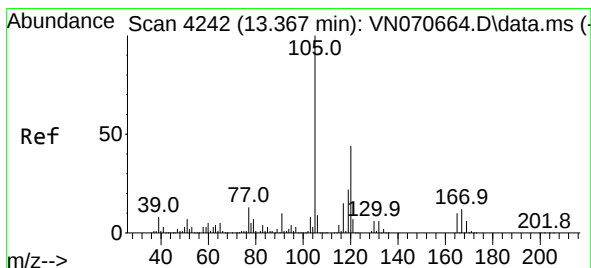
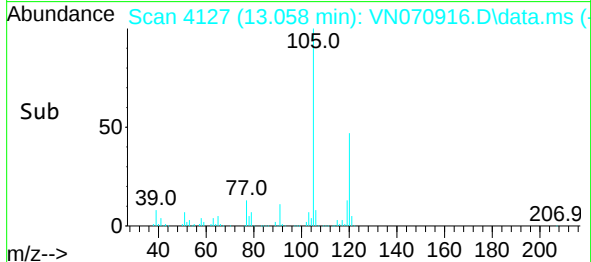
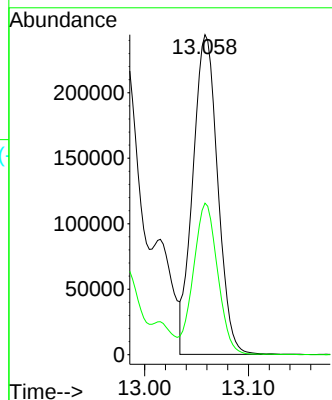
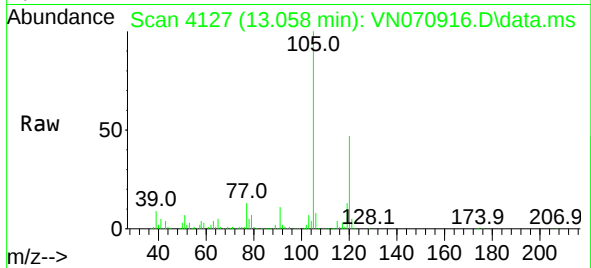




#80
 1,3,5-Trimethylbenzene
 Concen: 10.104 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. 0.000 min
 Lab File: VN070916.D
 Acq: 3 Feb 2022 2:14

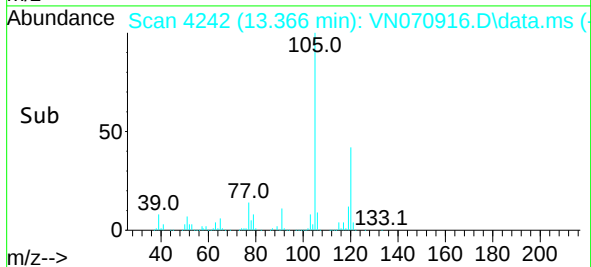
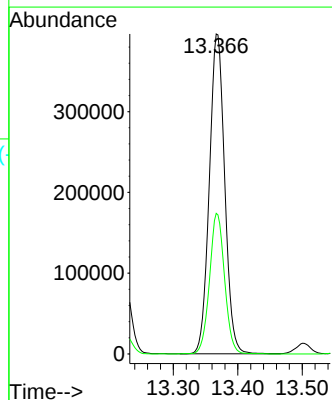
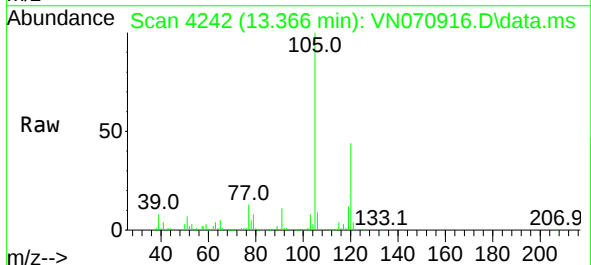
Instrument :
 MSVOA_N
 ClientSampleId :
 31534DL

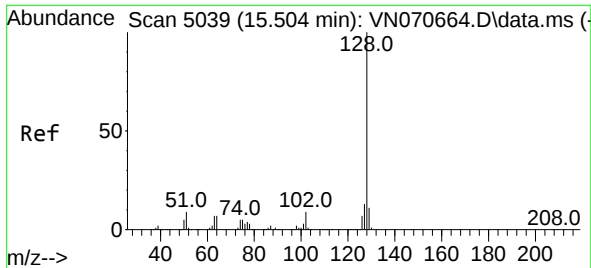
Tgt Ion:105 Resp: 404514
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 16.768 ug/l
 RT: 13.366 min Scan# 4242
 Delta R.T. -0.001 min
 Lab File: VN070916.D
 Acq: 3 Feb 2022 2:14

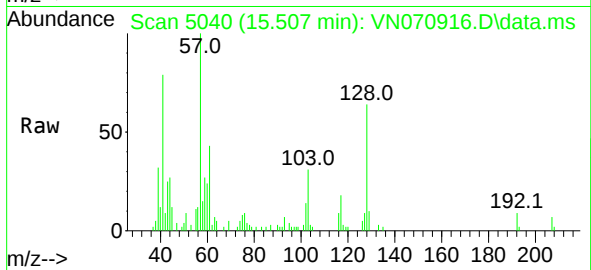
Tgt Ion:105 Resp: 656427
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.8 68.4





#95
Naphthalene
Concen: 3.957 ug/l
RT: 15.507 min Scan# 50
Delta R.T. 0.003 min
Lab File: VN070916.D
Acq: 3 Feb 2022 2:14

Instrument :
MSVOA_N
ClientSampleId :
31534DL



Tgt Ion:	128	Resp:	13167
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	9.6	8.7	13.1

