

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011722\
 Data File : VN070649.D
 Acq On : 17 Jan 2022 16:54
 Operator : JC/MD
 Sample : N1141-04 10X
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41861

Quant Time: Jan 18 01:11:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

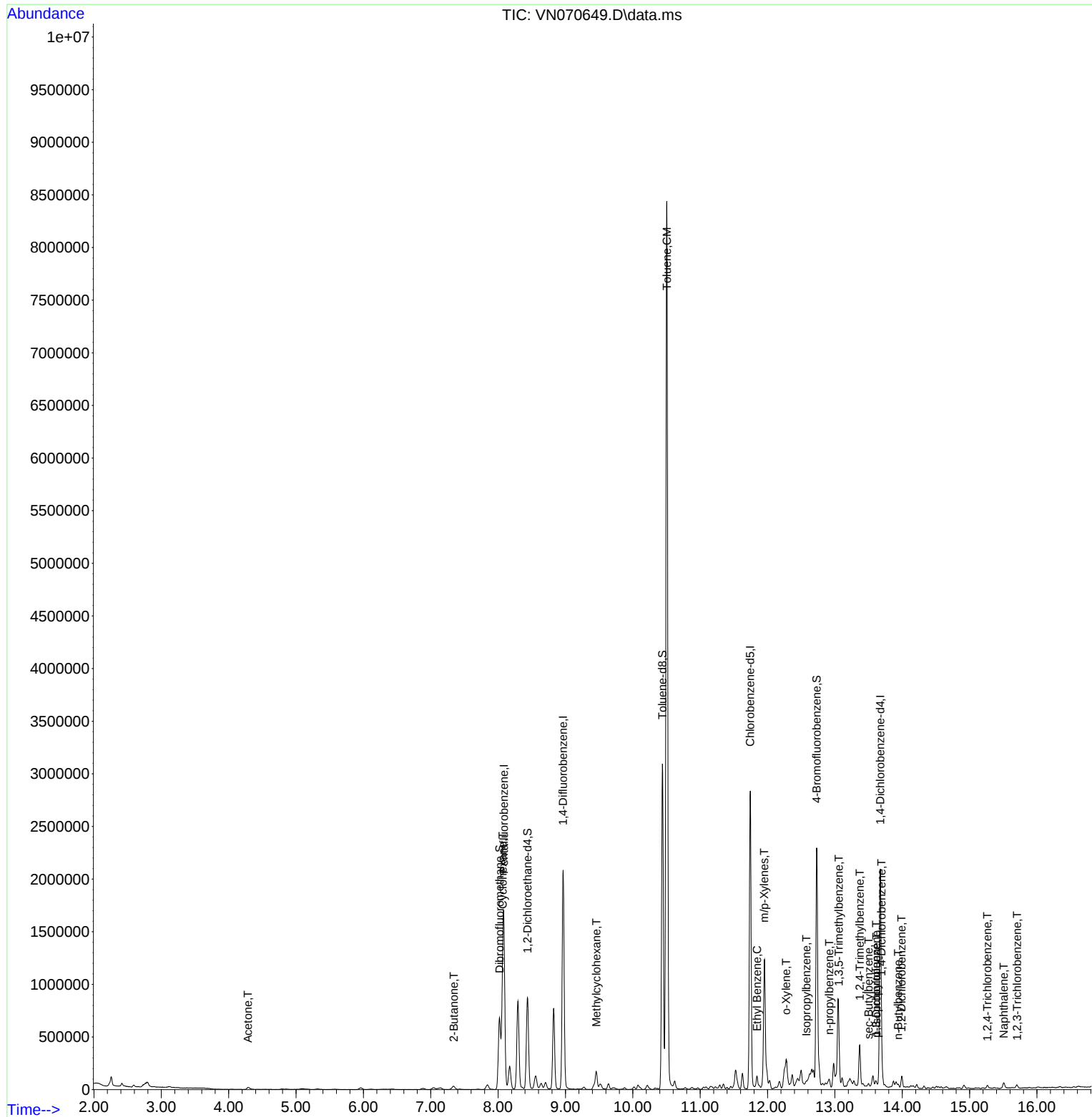
Internal Standards						
1) Pentafluorobenzene	8.085	168	1078576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1811108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1646113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	577294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	726331	46.836	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.680%
35) Dibromofluoromethane	8.021	113	503152	45.916	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.840%
50) Toluene-d8	10.440	98	2158185	48.211	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.420%
62) 4-Bromofluorobenzene	12.731	95	831062	51.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.800%
Target Compounds						
					Qvalue	
16) Acetone	4.285	43	32589	3.237	ug/l	96
25) 2-Butanone	7.343	43	45467	3.587	ug/l	96
31) Cyclohexane	8.067	56	140024	5.722	ug/l #	57
39) Methylcyclohexane	9.459	83	62799	2.861	ug/l #	85
52) Toluene	10.505	92	3745003	111.328	ug/l	96
67) Ethyl Benzene	11.843	91	83372	1.303	ug/l	96
68) m/p-Xylenes	11.950	106	145655	6.253	ug/l	93
69) o-Xylene	12.277	106	60800	2.624	ug/l	90
73) Isopropylbenzene	12.578	105	18939	0.353	ug/l	99
78) n-propylbenzene	12.918	91	55427	0.933	ug/l	98
80) 1,3,5-Trimethylbenzene	13.060	105	124814	2.905	ug/l	98
84) 1,2,4-Trimethylbenzene	13.369	105	239109	5.780	ug/l	98
85) sec-Butylbenzene	13.500	105	14973	0.292	ug/l	85
86) p-Isopropyltoluene	13.618	119	13368	0.331	ug/l	93
87) 1,3-Dichlorobenzene	13.616	146	5740	0.279	ug/l #	86
88) 1,4-Dichlorobenzene	13.693	146	6897	0.339	ug/l #	8
89) n-Butylbenzene	13.940	91	19600	0.582	ug/l #	78
91) 1,2-Dichlorobenzene	13.991	146	5651	0.280	ug/l #	85
93) 1,2,4-Trichlorobenzene	15.265	180	9300	0.977	ug/l	95
95) Naphthalene	15.506	128	52386	3.717	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	11985	2.121	ug/l	93

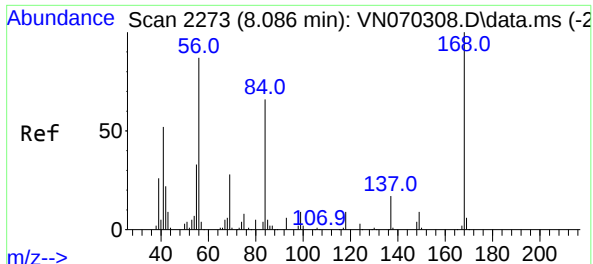
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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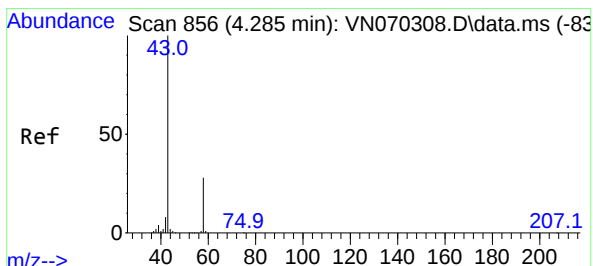
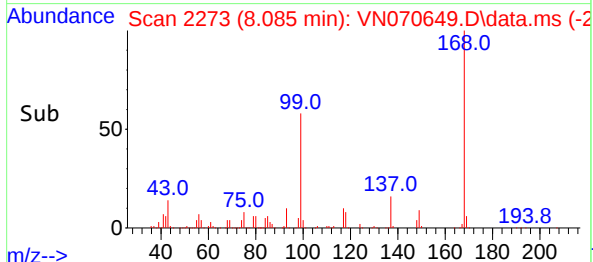
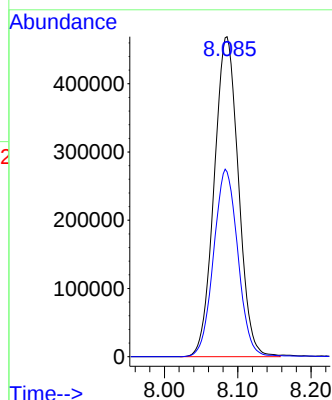
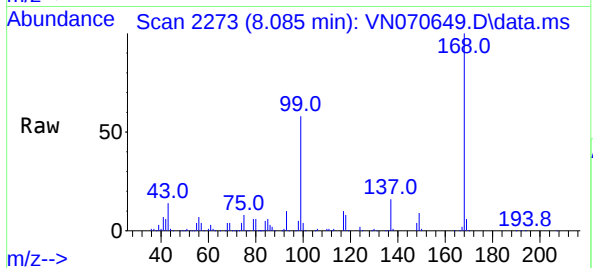




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

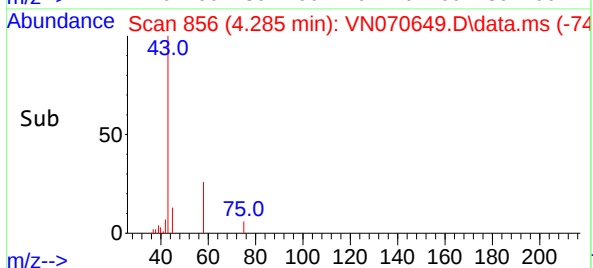
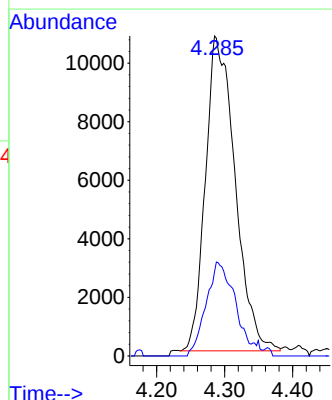
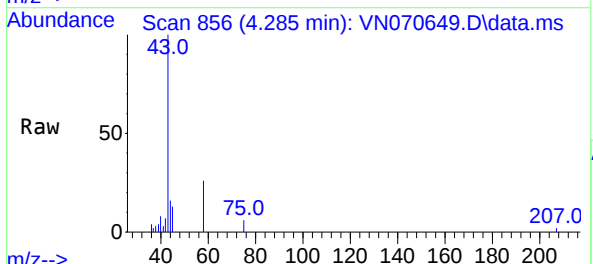
Instrument :
MSVOA_N
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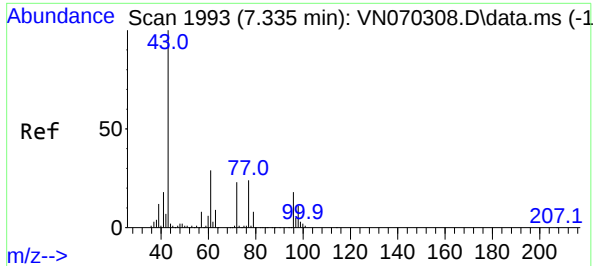
Tgt Ion:168 Resp: 1078576
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#16
Acetone
Concen: 3.237 ug/l
RT: 4.285 min Scan# 856
Delta R.T. 0.000 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion: 43 Resp: 32589
Ion Ratio Lower Upper
43 100
58 26.9 23.1 34.7

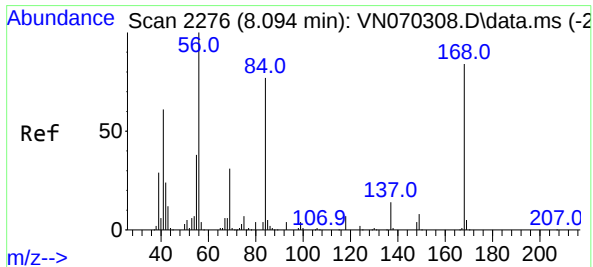
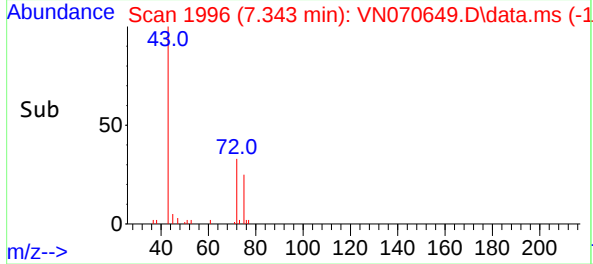
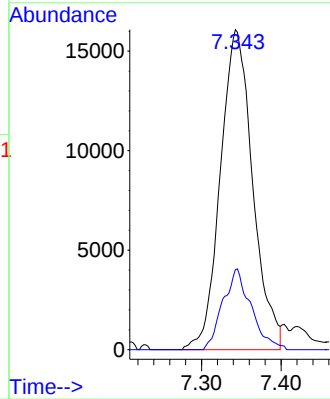
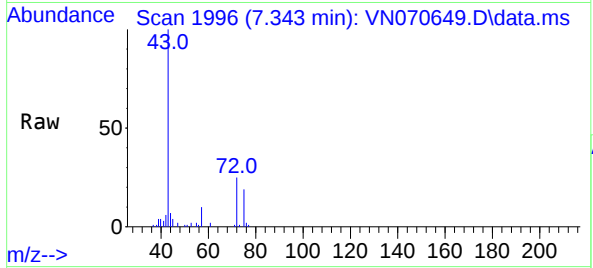




#25
2-Butanone
Concen: 3.587 ug/l
RT: 7.343 min Scan# 1993
Delta R.T. 0.008 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

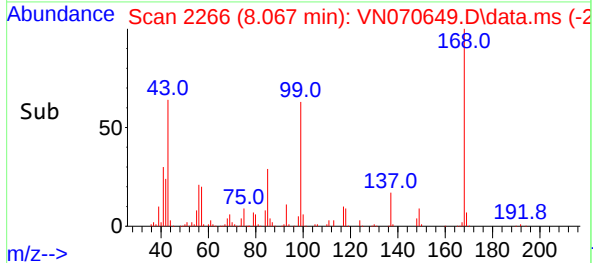
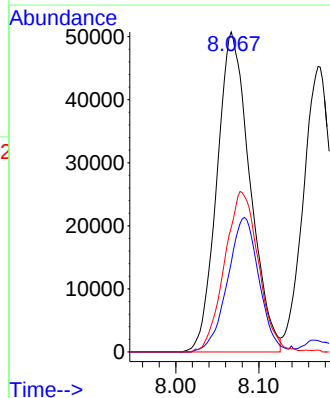
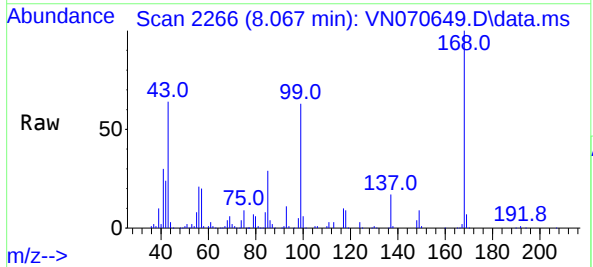
Instrument :
MSVOA_N
ClientSampleId :
41861

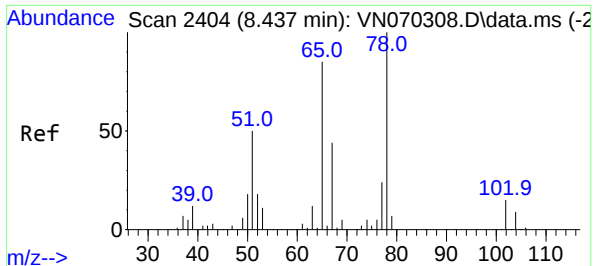
Tgt Ion: 43 Resp: 45467
Ion Ratio Lower Upper
43 100
72 25.1 21.7 32.5



#31
Cyclohexane
Concen: 5.722 ug/l
RT: 8.067 min Scan# 2266
Delta R.T. -0.027 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion: 56 Resp: 140024
Ion Ratio Lower Upper
56 100
69 28.0 27.1 40.7
84 38.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.836 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN070649.D

Acq: 17 Jan 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

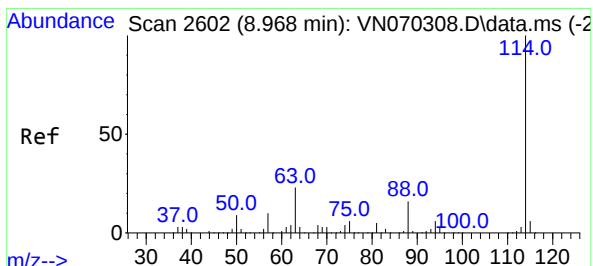
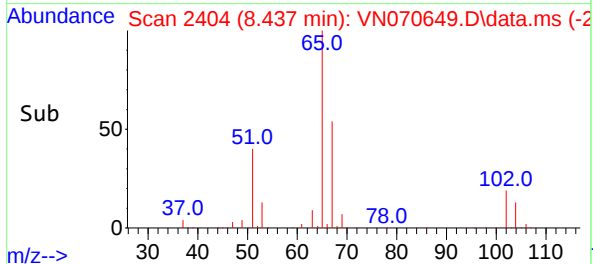
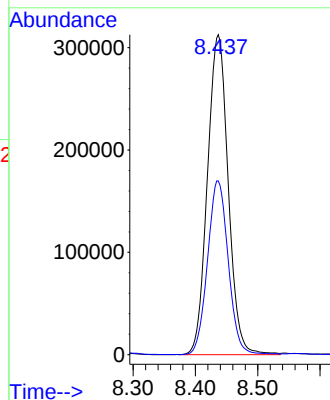
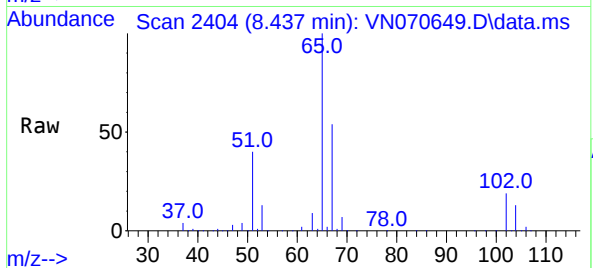
41861

Tgt Ion: 65 Resp: 726331

Ion Ratio Lower Upper

65 100

67 54.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070649.D

Acq: 17 Jan 2022 16:54

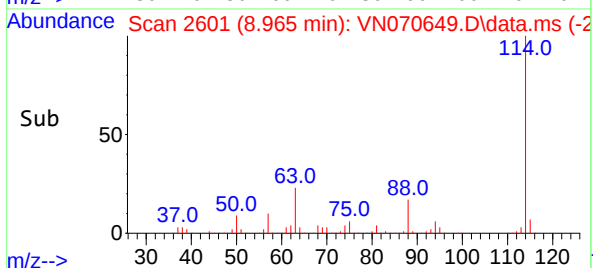
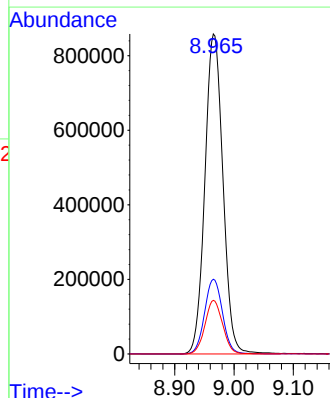
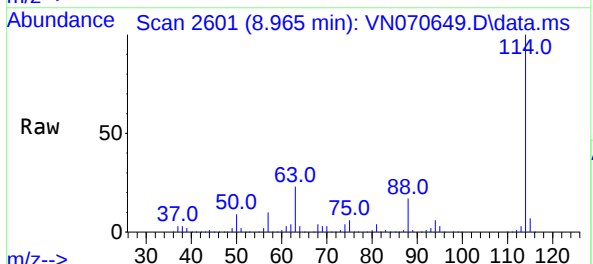
Tgt Ion: 114 Resp: 1811108

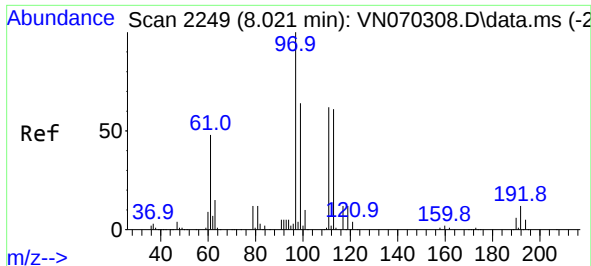
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.8 0.0 27.4

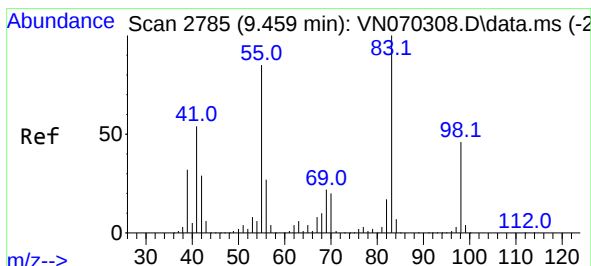
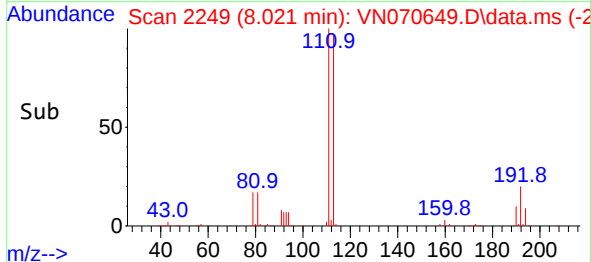
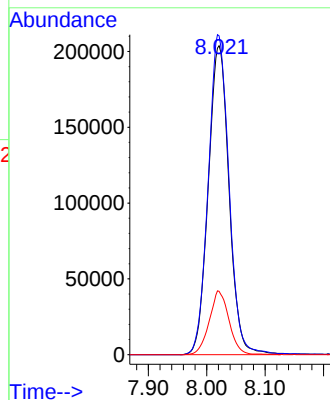
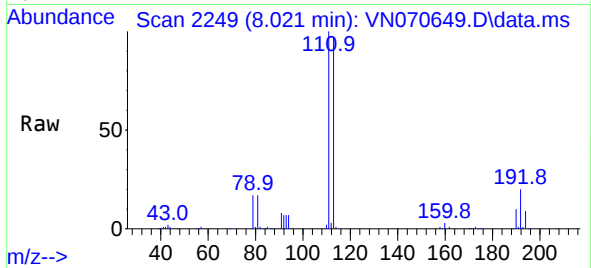




#35
 Dibromofluoromethane
 Concen: 45.916 ug/l
 RT: 8.021 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VN070649.D
 Acq: 17 Jan 2022 16:54

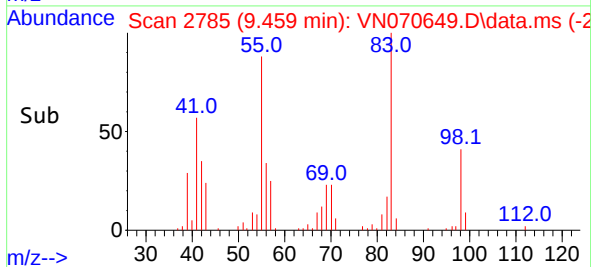
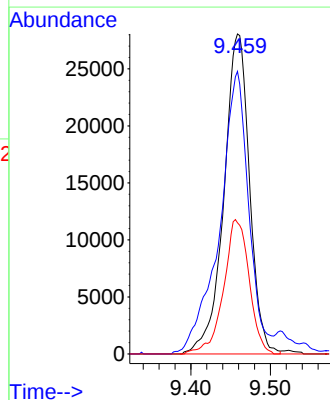
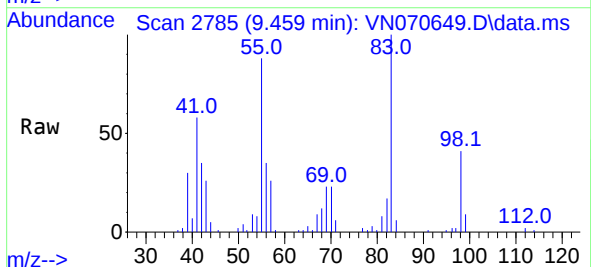
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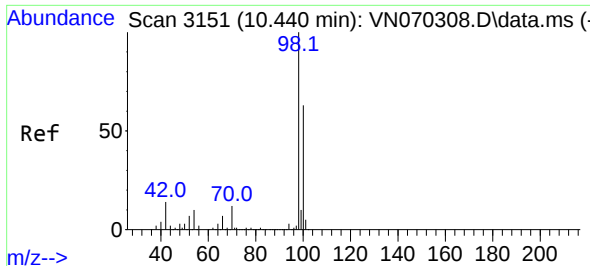
Tgt Ion:113 Resp: 503152
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.2
 192 19.5 16.9 25.3



#39
 Methylcyclohexane
 Concen: 2.861 ug/l
 RT: 9.459 min Scan# 2785
 Delta R.T. -0.000 min
 Lab File: VN070649.D
 Acq: 17 Jan 2022 16:54

Tgt Ion: 83 Resp: 62799
 Ion Ratio Lower Upper
 83 100
 55 87.1 58.1 87.1#
 98 41.0 38.4 57.6

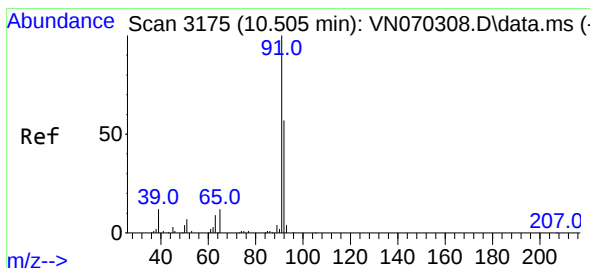
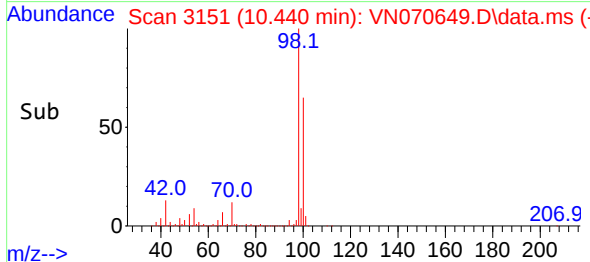
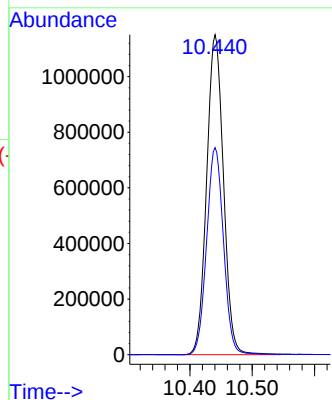
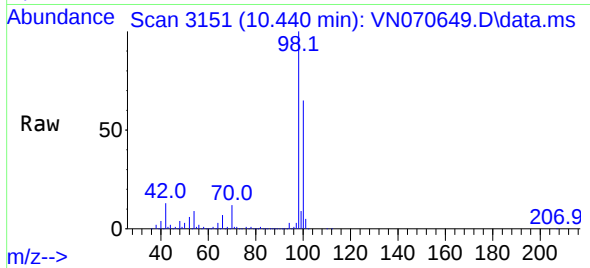




#50
Toluene-d8
Concen: 48.211 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

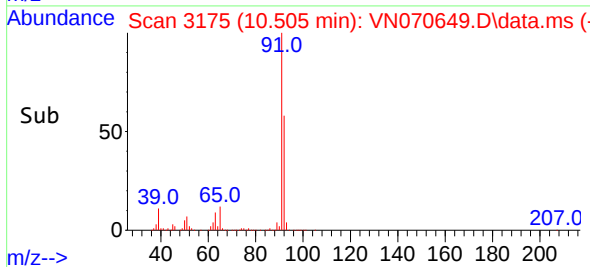
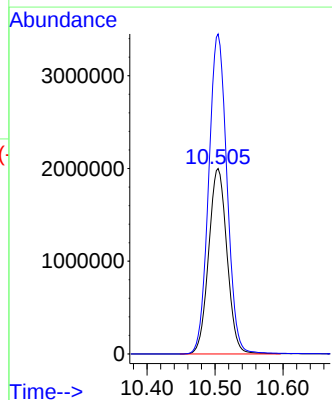
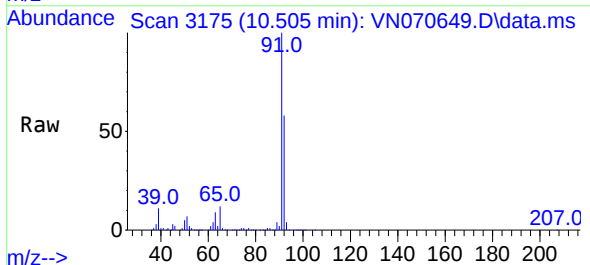
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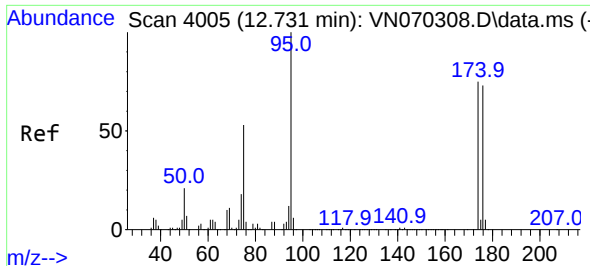
Tgt Ion: 98 Resp: 2158185
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6



#52
Toluene
Concen: 111.328 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion: 92 Resp: 3745003
Ion Ratio Lower Upper
92 100
91 172.5 142.0 213.0

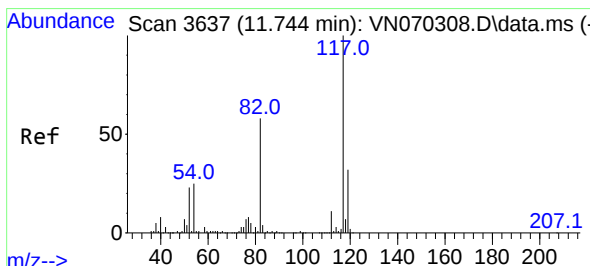
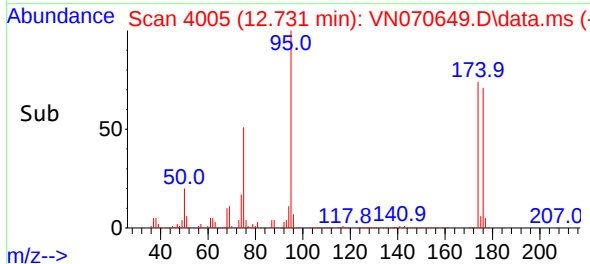
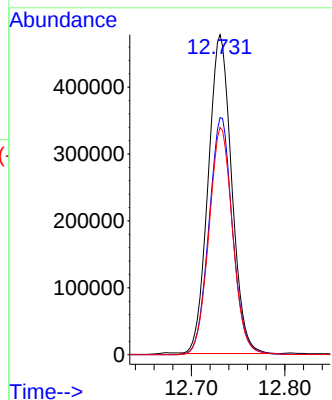
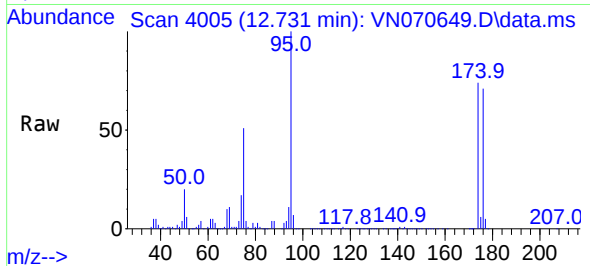




#62
4-Bromofluorobenzene
Concen: 51.401 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

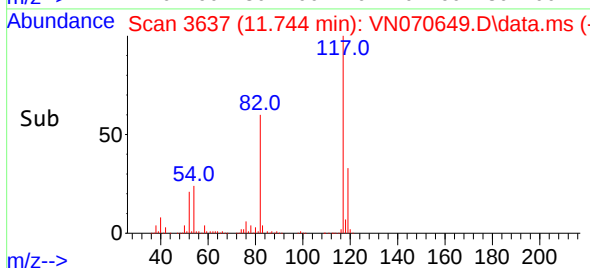
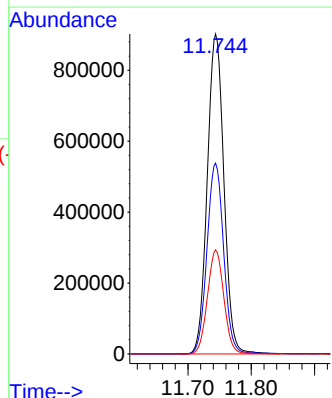
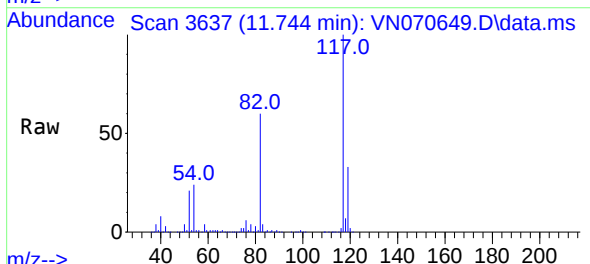
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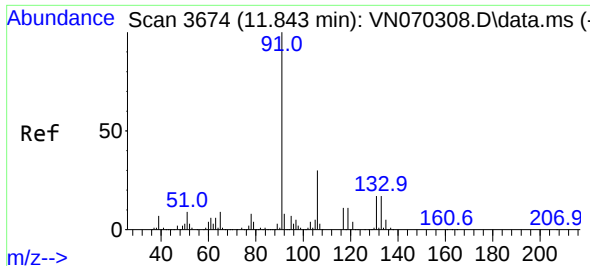
Tgt Ion: 95 Resp: 831062
Ion Ratio Lower Upper
95 100
174 75.0 0.0 187.2
176 72.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion: 117 Resp: 1646113
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 32.6 25.4 38.2

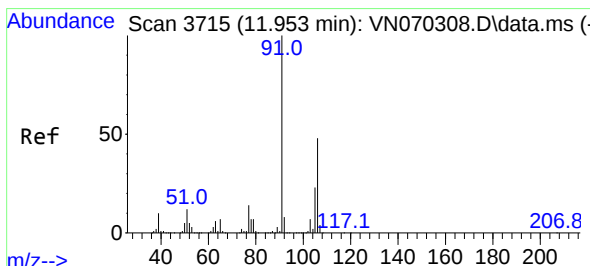
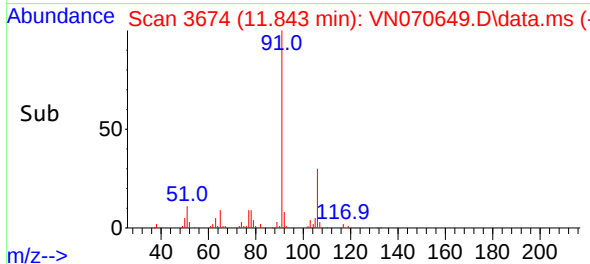
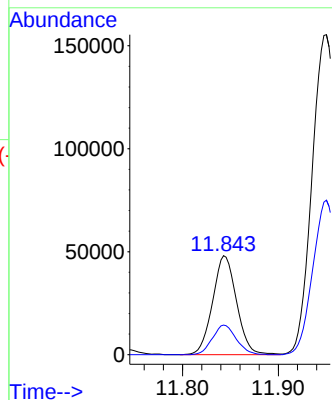
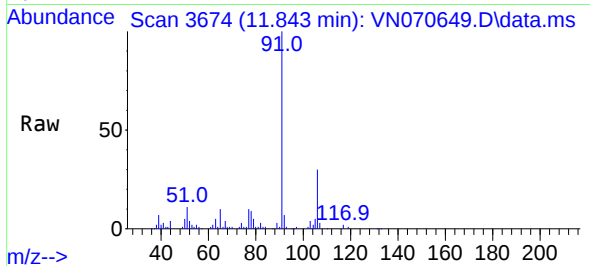




#67
Ethyl Benzene
Concen: 1.303 ug/l
RT: 11.843 min Scan# 3074
Delta R.T. -0.000 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

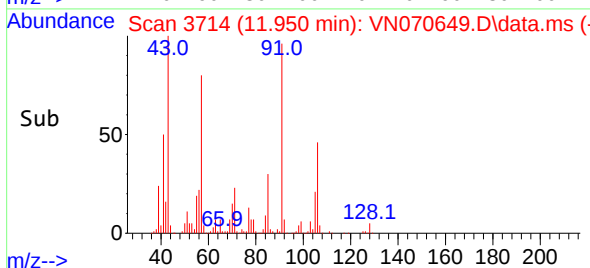
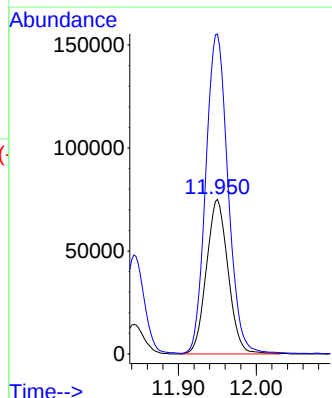
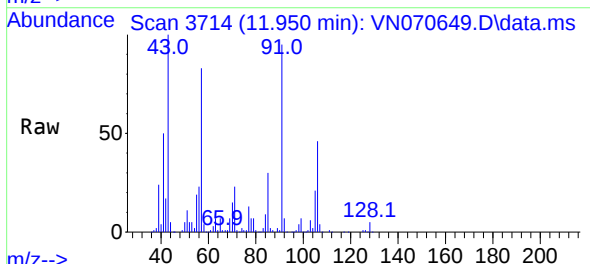
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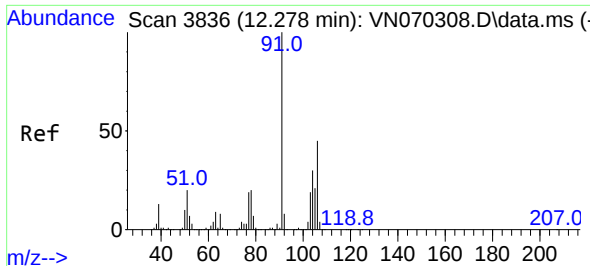
Tgt Ion: 91 Resp: 83372
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5



#68
m/p-Xylenes
Concen: 6.253 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion:106 Resp: 145655
Ion Ratio Lower Upper
106 100
91 211.6 160.6 240.8

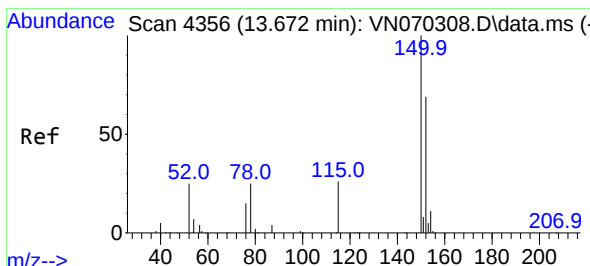
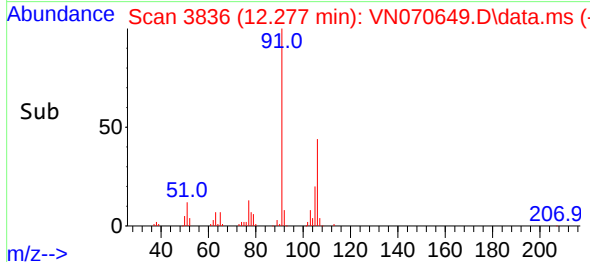
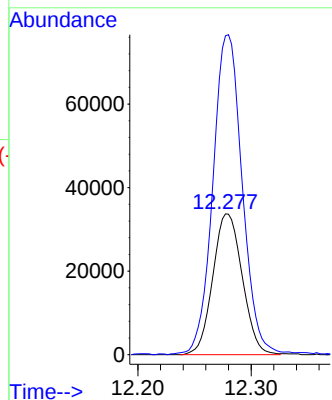
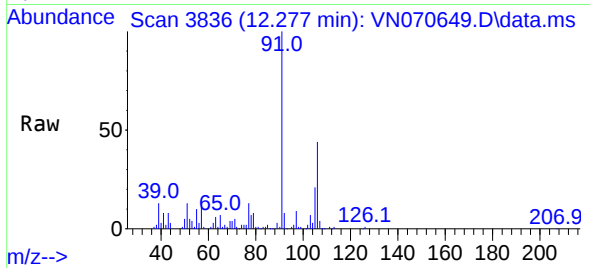




#69
o-Xylene
Concen: 2.624 ug/l
RT: 12.277 min Scan# 3836
Delta R.T. -0.001 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

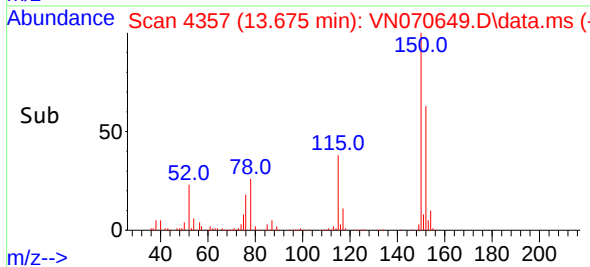
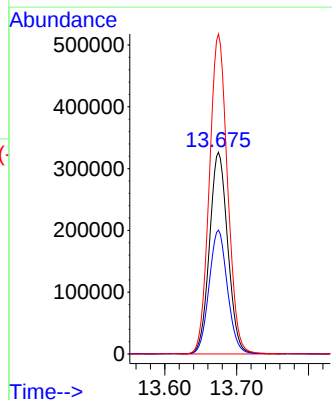
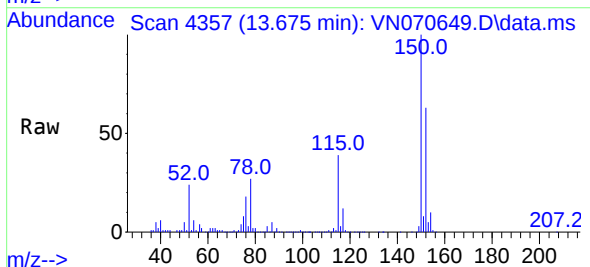
Instrument :
MSVOA_N
ClientSampleId :
41861

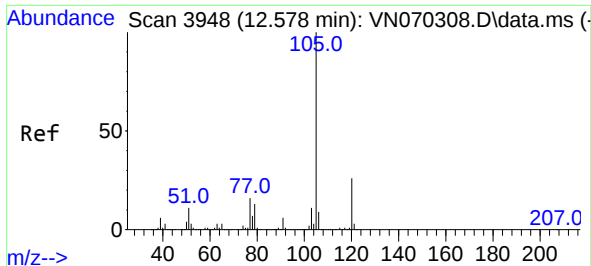
Tgt Ion:106 Resp: 60800
Ion Ratio Lower Upper
106 100
91 227.1 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion:152 Resp: 577294
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 157.4 0.0 344.4

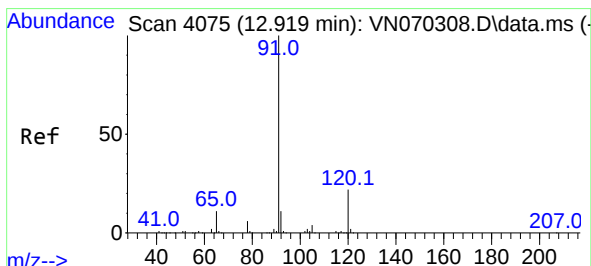
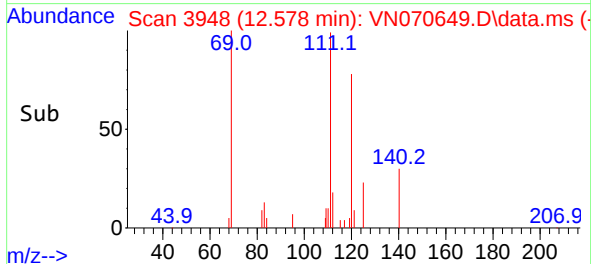
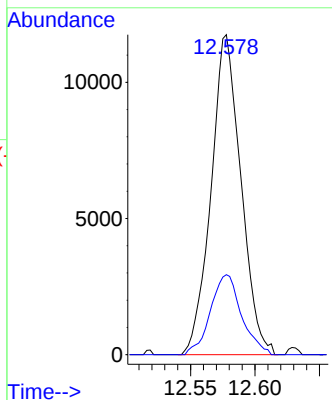
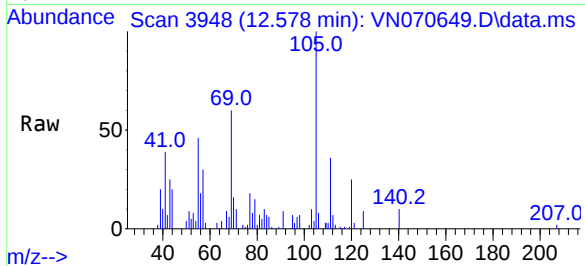




#73
Isopropylbenzene
Concen: 0.353 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

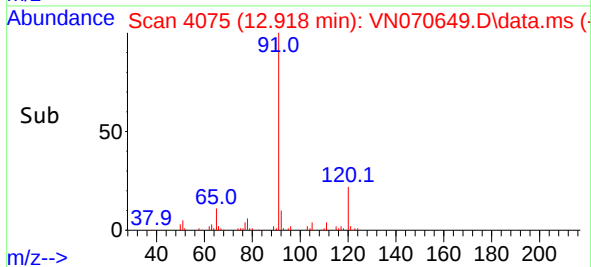
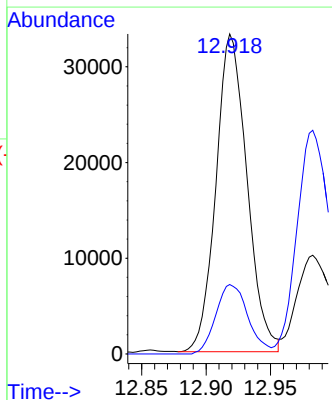
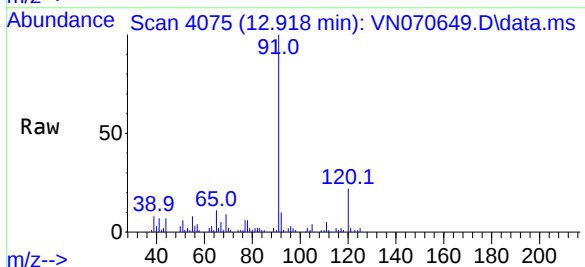
Instrument :
MSVOA_N
ClientSampleId :
41861

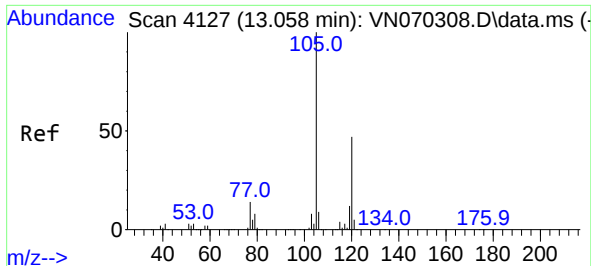
Tgt Ion:105 Resp: 18939
Ion Ratio Lower Upper
105 100
120 26.0 13.4 40.1



#78
n-propylbenzene
Concen: 0.933 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.001 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion: 91 Resp: 55427
Ion Ratio Lower Upper
91 100
120 22.8 11.9 35.9

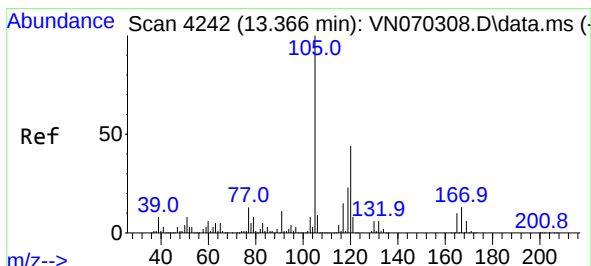
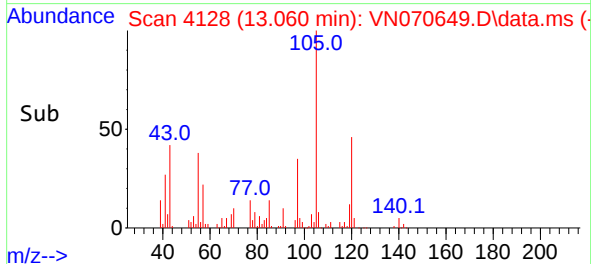
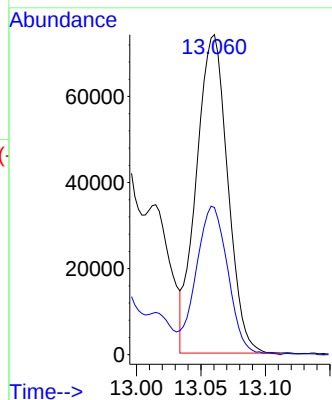
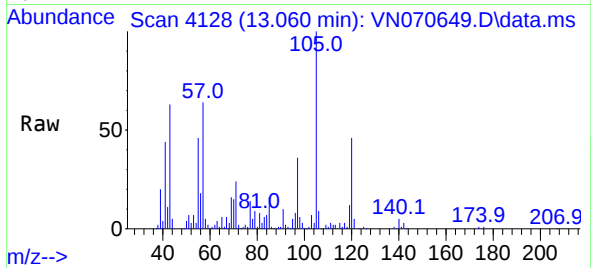




#80
1,3,5-Trimethylbenzene
Concen: 2.905 ug/l
RT: 13.060 min Scan# 4127
Delta R.T. 0.002 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

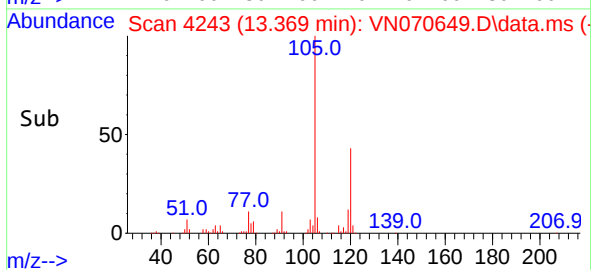
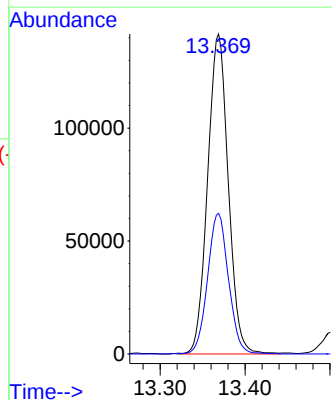
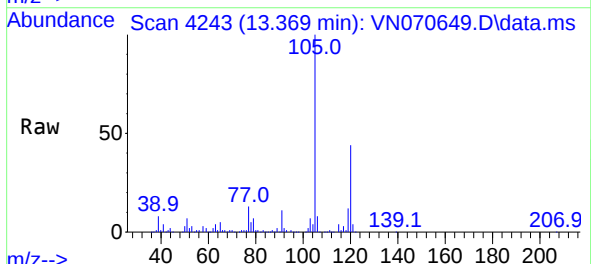
Instrument :
MSVOA_N
ClientSampleId :
41861

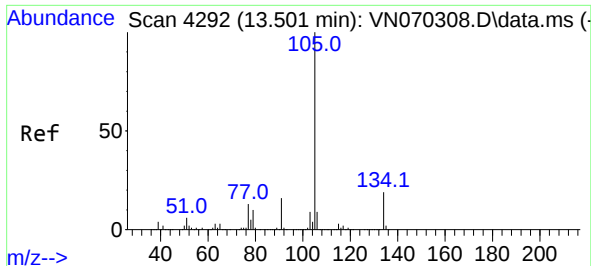
Tgt Ion:105 Resp: 124814
Ion Ratio Lower Upper
105 100
120 47.9 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 5.780 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.003 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion:105 Resp: 239109
Ion Ratio Lower Upper
105 100
120 44.5 22.8 68.4

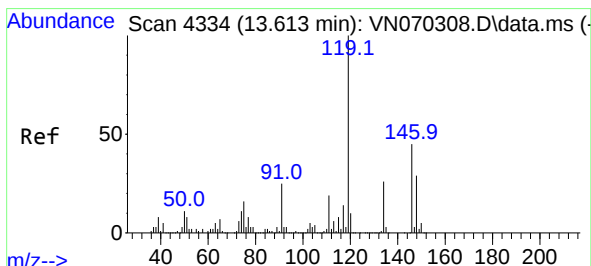
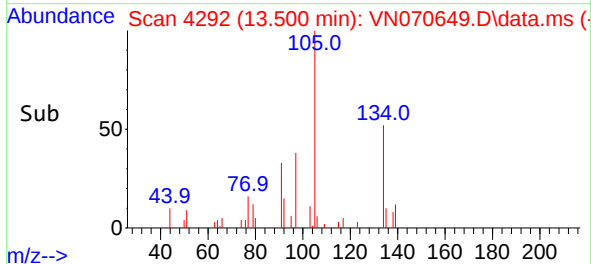
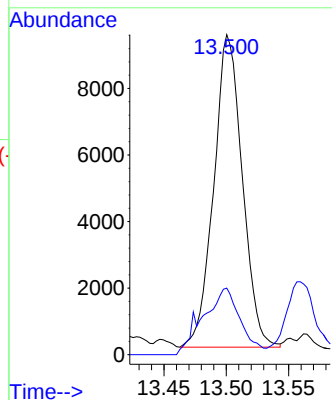
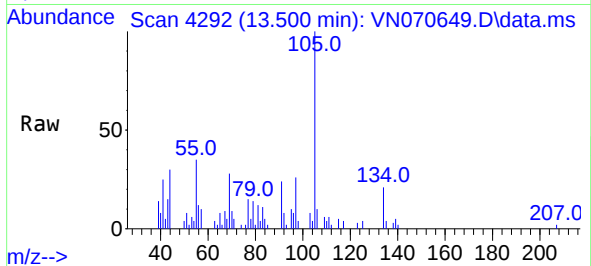




#85
 sec-Butylbenzene
 Concen: 0.292 ug/l
 RT: 13.500 min Scan# 41861
 Delta R.T. -0.001 min
 Lab File: VN070649.D
 Acq: 17 Jan 2022 16:54

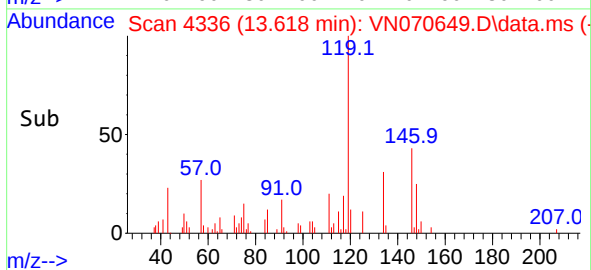
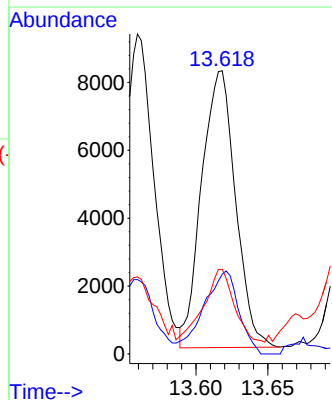
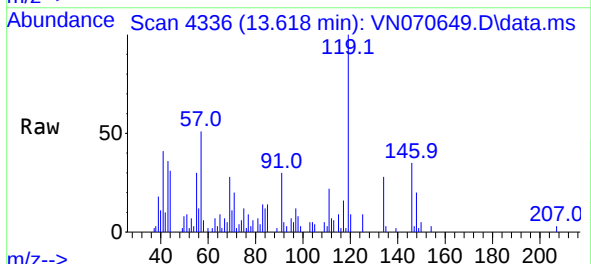
Instrument :
 MSVOA_N
 ClientSampleId :
 41861

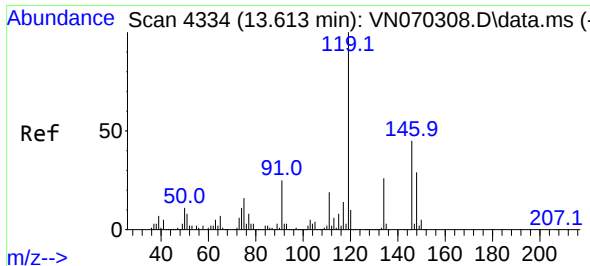
Tgt Ion:105 Resp: 14973
 Ion Ratio Lower Upper
 105 100
 134 27.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.331 ug/l
 RT: 13.618 min Scan# 4336
 Delta R.T. 0.005 min
 Lab File: VN070649.D
 Acq: 17 Jan 2022 16:54

Tgt Ion:119 Resp: 13368
 Ion Ratio Lower Upper
 119 100
 134 31.1 13.6 40.7
 91 25.6 11.4 34.1

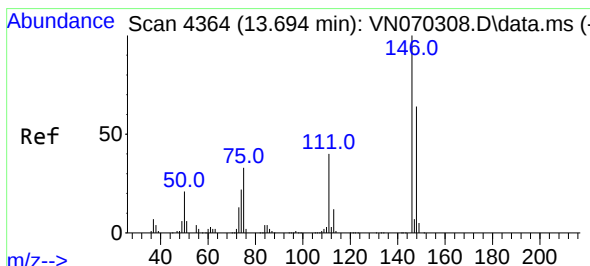
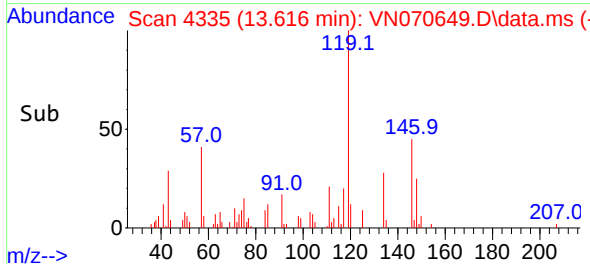
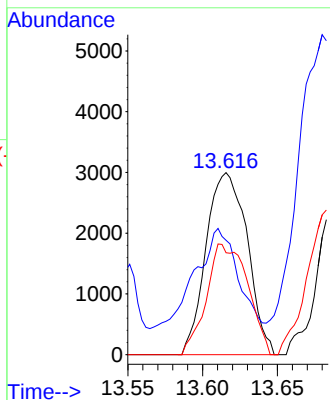
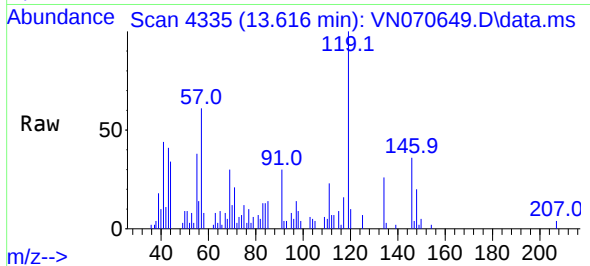




#87
1,3-Dichlorobenzene
Concen: 0.279 ug/l
RT: 13.616 min Scan# 41861
Delta R.T. 0.003 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

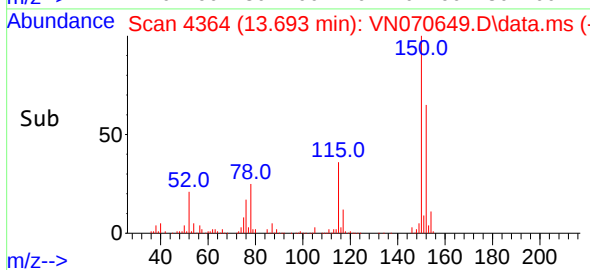
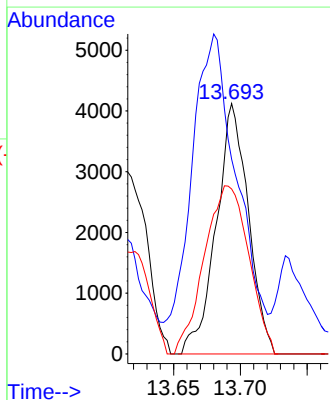
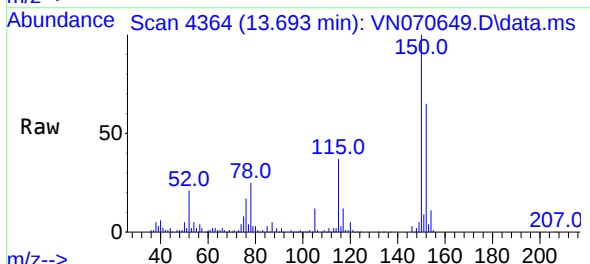
Instrument :
MSVOA_N
ClientSampleId :
41861

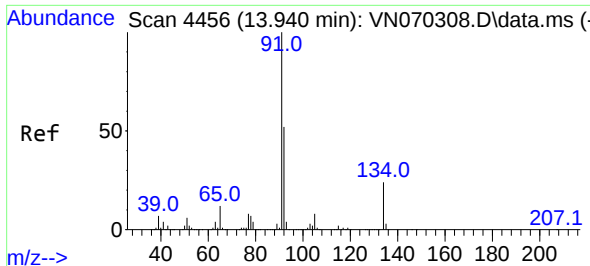
Tgt Ion:146 Resp: 5740
Ion Ratio Lower Upper
146 100
111 56.3 18.6 55.6#
148 60.8 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 0.339 ug/l
RT: 13.693 min Scan# 4364
Delta R.T. -0.001 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion:146 Resp: 6897
Ion Ratio Lower Upper
146 100
111 147.7 18.3 54.8#
148 92.7 31.8 95.4

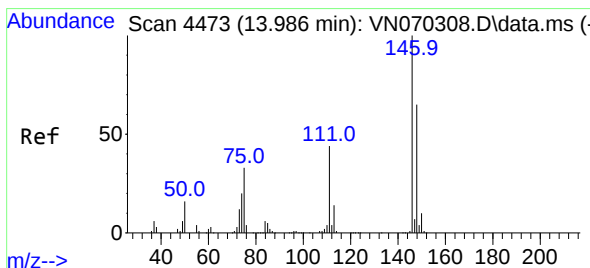
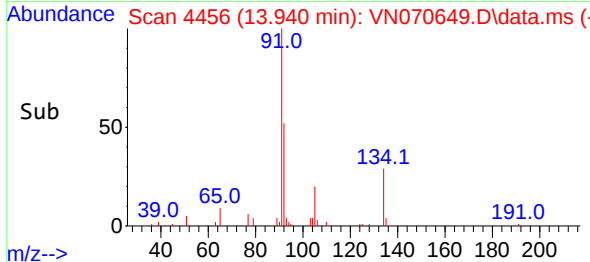
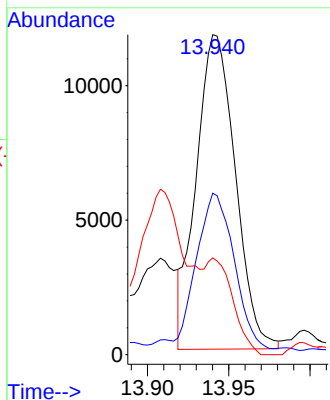
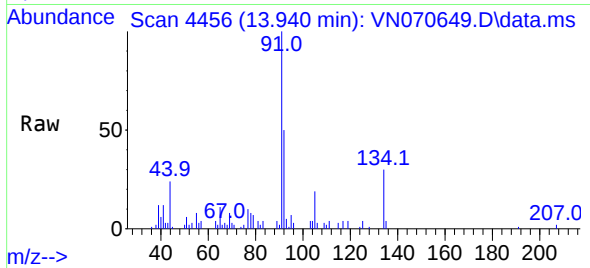




#89
n-Butylbenzene
Concen: 0.582 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

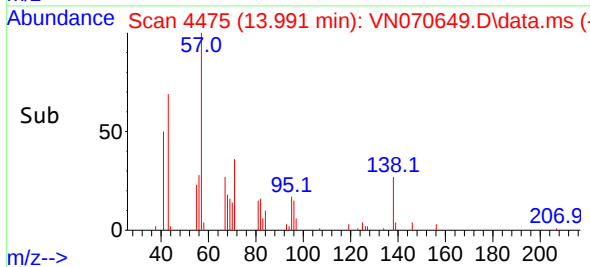
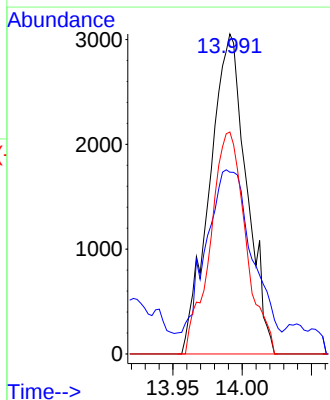
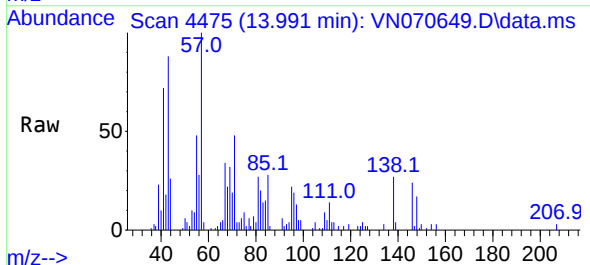
Instrument :
MSVOA_N
ClientSampleId :
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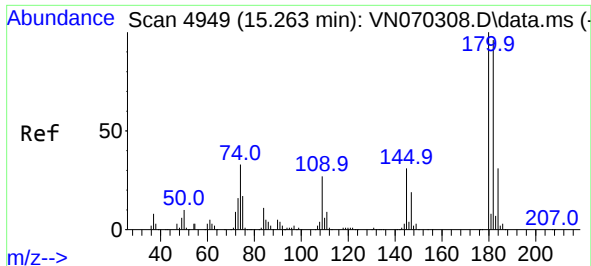
Tgt Ion: 91 Resp: 19600
Ion Ratio Lower Upper
91 100
92 47.1 25.4 76.0
134 0.0 13.6 40.8#



#91
1,2-Dichlorobenzene
Concen: 0.280 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.005 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

Tgt Ion:146 Resp: 5651
Ion Ratio Lower Upper
146 100
111 59.8 19.1 57.3#
148 66.6 32.1 96.3

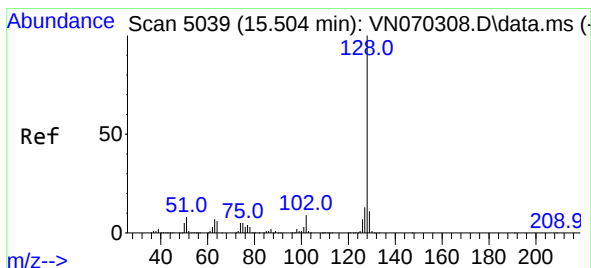
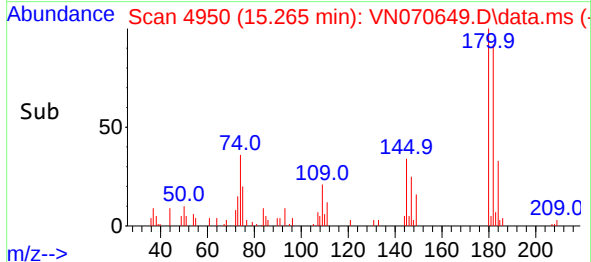
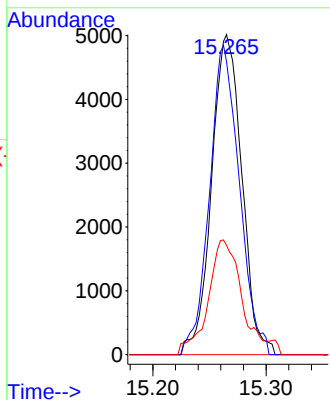
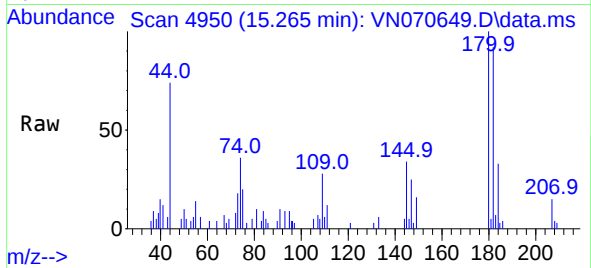




#93
1,2,4-Trichlorobenzene
Concen: 0.977 ug/l
RT: 15.265 min Scan# 4949
Delta R.T. 0.002 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

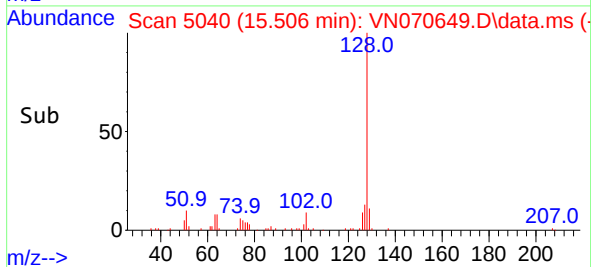
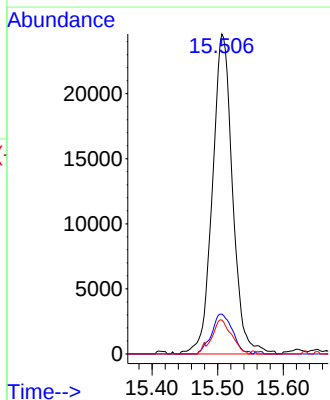
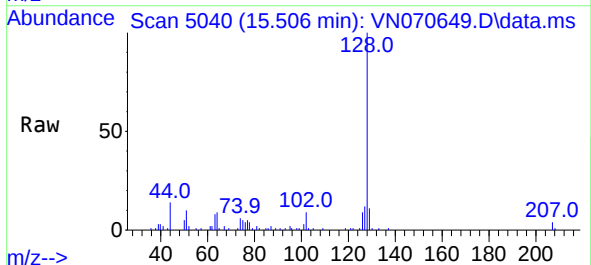
Instrument :
MSVOA_N
ClientSampleId :
41861

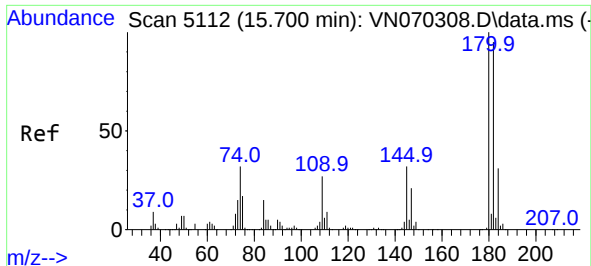
Tgt Ion:180 Resp: 9300
Ion Ratio Lower Upper
180 100
182 95.6 48.3 144.9
145 39.7 14.5 43.5



#95
Naphthalene
Concen: 3.717 ug/l
RT: 15.506 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN070649.D
Acq: 17 Jan 2022 16:54

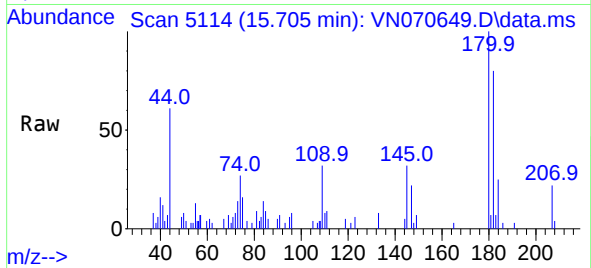
Tgt Ion:128 Resp: 52386
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 9.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.121 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.005 min
 Lab File: VN070649.D
 Acq: 17 Jan 2022 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 41861



Tgt Ion:	180	Resp:	11985
Ion Ratio	Lower	Upper	
180	100		
182	90.6	47.4	142.2
145	37.4	15.0	45.1

