

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020322\
 Data File : VN070941.D
 Acq On : 3 Feb 2022 19:58
 Operator : JC/MD
 Sample : N1342-01DL 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 04:45:50 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

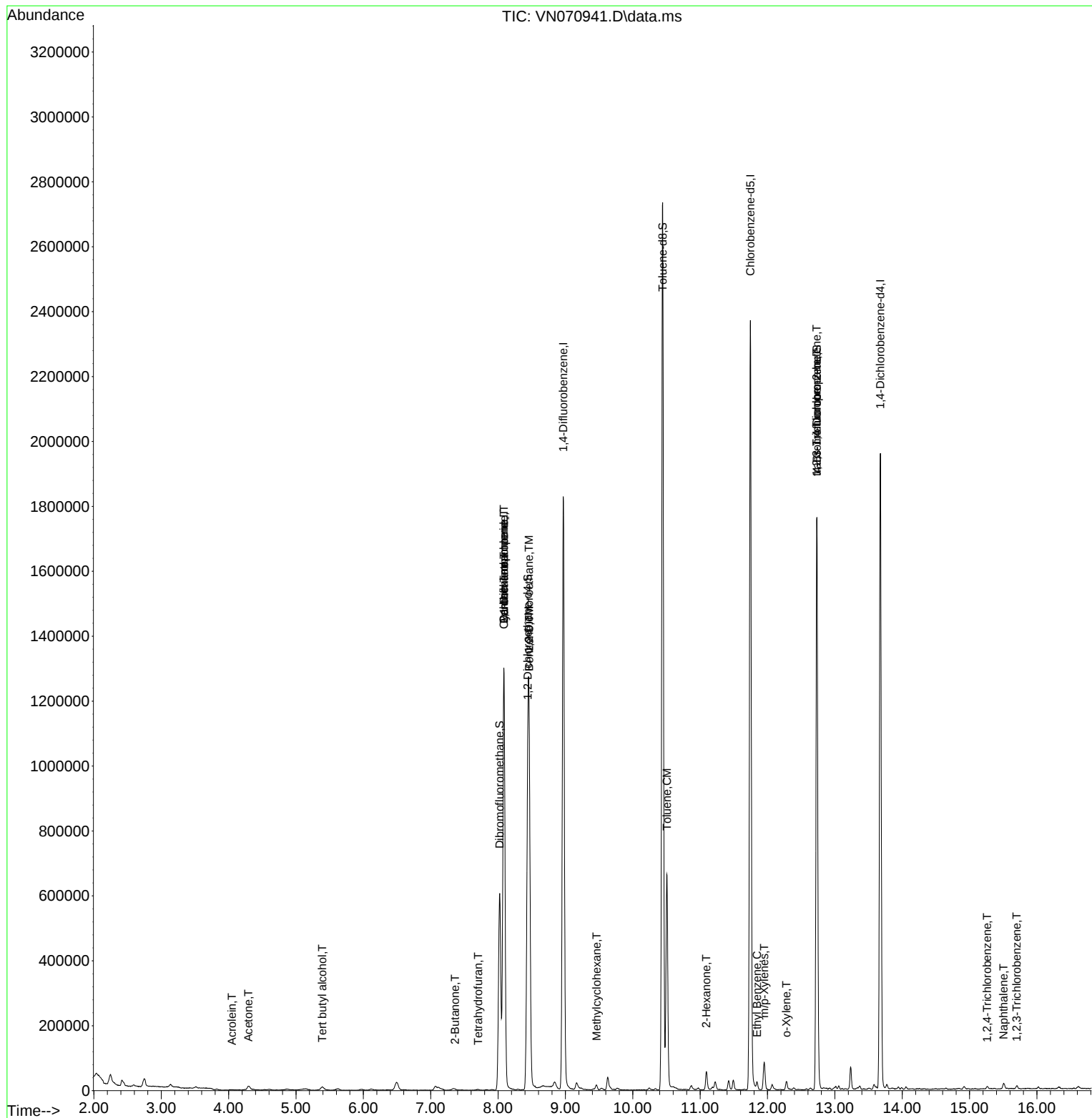
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1002650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1583173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1404452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	537866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	629940	46.415	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.840%
35) Dibromofluoromethane	8.024	113	452517	47.713	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.420%
50) Toluene-d8	10.443	98	1914395	49.162	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.733	95	644835	45.957	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.390	59	16228	5.690	ug/l #	75
13) Acrolein	4.049	56	722	0.230	ug/l	95
16) Acetone	4.293	43	21401	2.637	ug/l	99
18) Methyl Acetate	4.873	43	6636	Below Cal	#	68
25) 2-Butanone	7.362	43	7251	0.619	ug/l	91
29) Tetrahydrofuran	7.702	42	1673	0.220	ug/l #	61
31) Cyclohexane	8.088	56	27955	1.212	ug/l #	13
36) 1,1-Dichloropropene	8.086	75	78943	5.124	ug/l #	49
38) Carbon Tetrachloride	8.086	117	98214	6.980	ug/l #	16
39) Methylcyclohexane	9.464	83	5885	0.311	ug/l	91
40) Benzene	8.461	78	932263	19.259	ug/l	99
42) 1,2-Dichloroethane	8.458	62	9061	0.550	ug/l	99
52) Toluene	10.507	92	287527	9.587	ug/l	98
59) 2-Hexanone	11.089	43	14048	0.916	ug/l	68
67) Ethyl Benzene	11.843	91	15643	0.292	ug/l	95
68) m/p-Xylenes	11.950	106	27782	1.399	ug/l	97
69) o-Xylene	12.280	106	7259	0.365	ug/l	100
76) 1,2,3-Trichloropropane	12.731	75	333304	25.745	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	333304	69.786	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	3143	0.316	ug/l	90
95) Naphthalene	15.504	128	18186	4.143	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.700	180	3627	2.071	ug/l	94

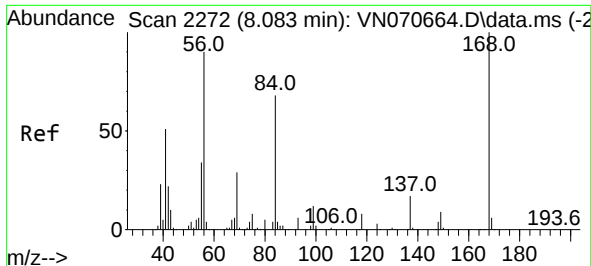
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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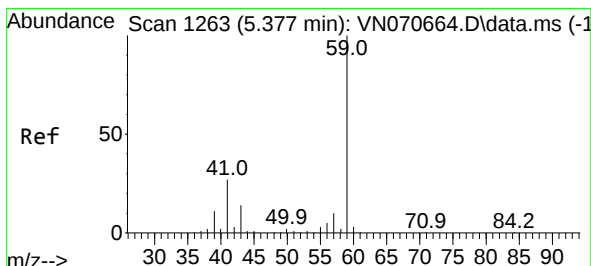
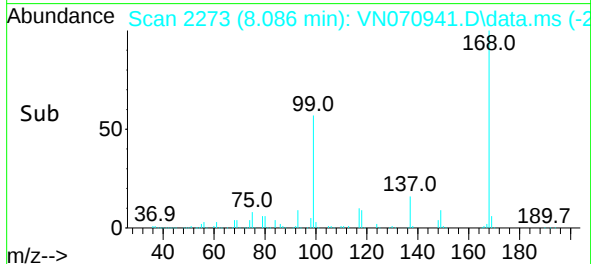
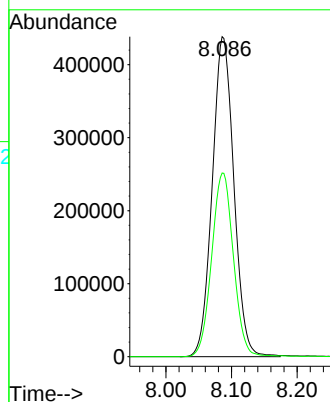
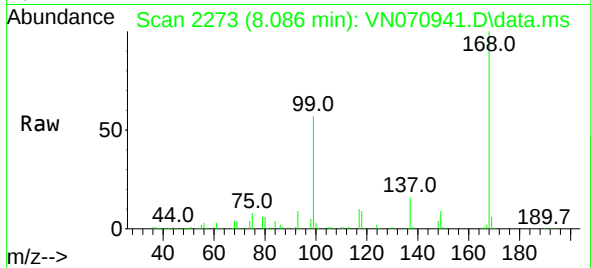




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

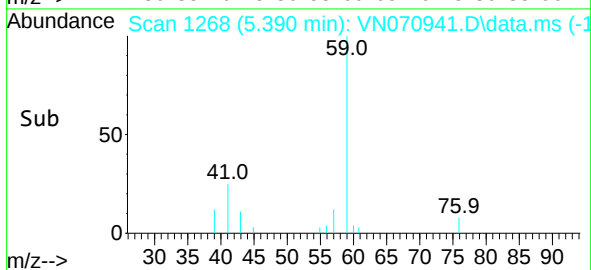
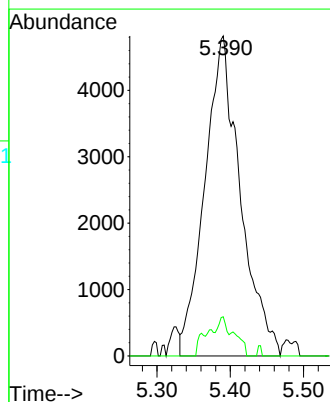
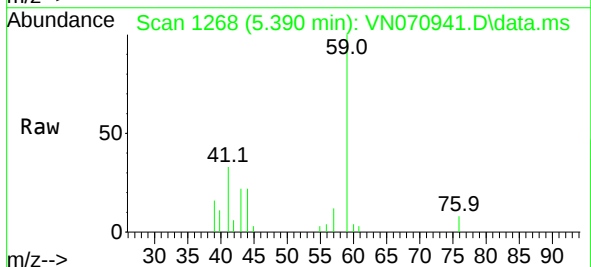
Instrument :
MSVOA_N
ClientSampleId :

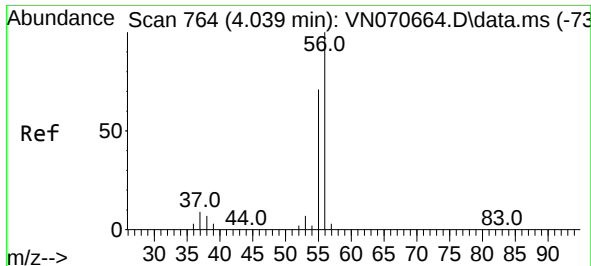
Tgt Ion:168 Resp: 1002650
Ion Ratio Lower Upper
168 100
99 57.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 5.690 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.008 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Tgt Ion: 59 Resp: 16228
Ion Ratio Lower Upper
59 100
57 1.4 8.7 13.1#





#13

Acrolein

Concen: 0.230 ug/l

RT: 4.049 min Scan# 71

Delta R.T. 0.010 min

Lab File: VN070941.D

Acq: 3 Feb 2022 19:58

Instrument :

MSVOA_N

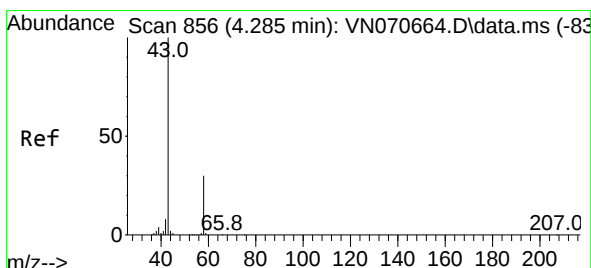
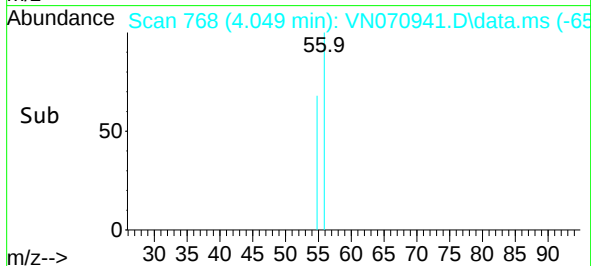
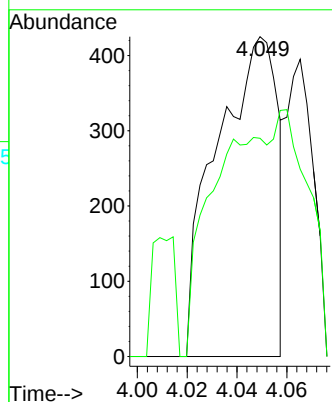
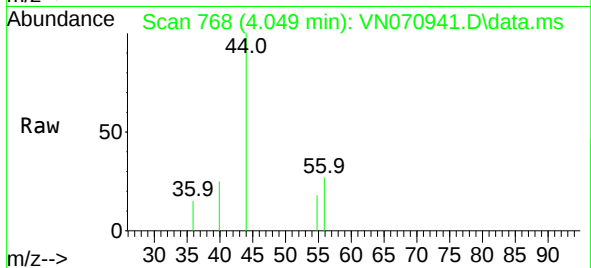
ClientSampleId :

Tgt Ion: 56 Resp: 722

Ion Ratio Lower Upper

56 100

55 66.8 56.6 85.0



#16

Acetone

Concen: 2.637 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.008 min

Lab File: VN070941.D

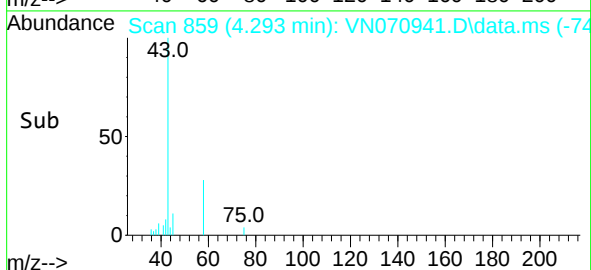
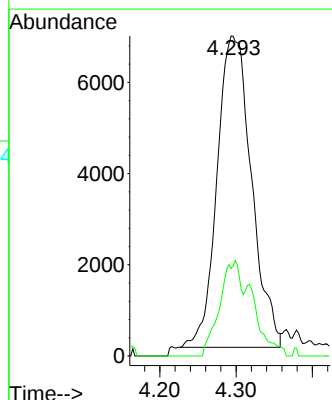
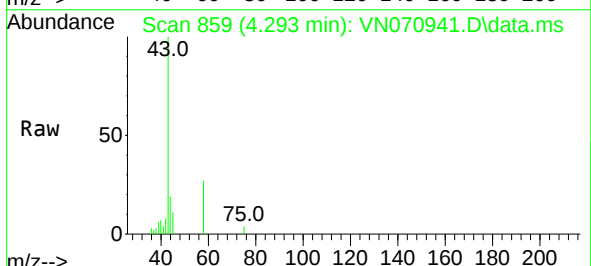
Acq: 3 Feb 2022 19:58

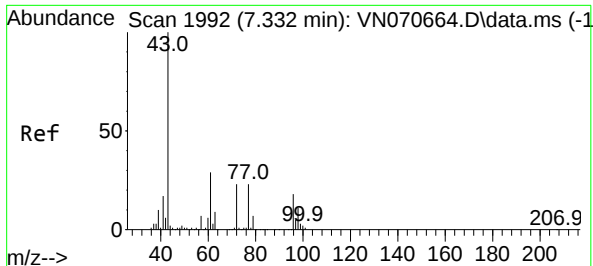
Tgt Ion: 43 Resp: 21401

Ion Ratio Lower Upper

43 100

58 28.1 23.1 34.7





#25

2-Butanone

Concen: 0.619 ug/l

RT: 7.362 min Scan# 20

Delta R.T. 0.027 min

Lab File: VN070941.D

Acq: 3 Feb 2022 19:58

Instrument :

MSVOA_N

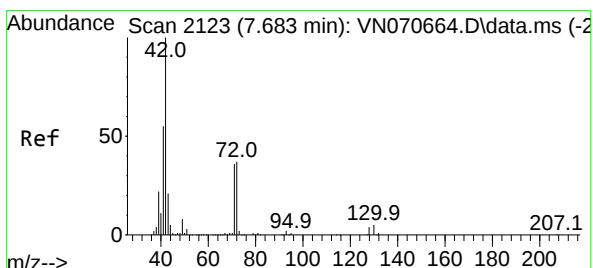
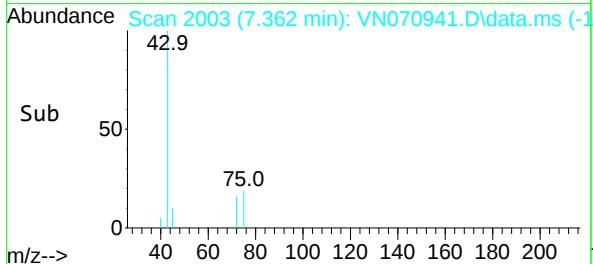
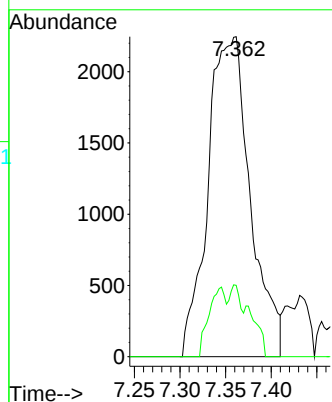
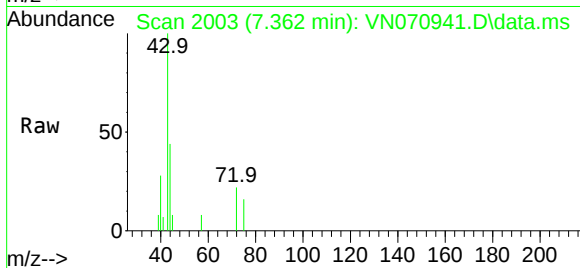
ClientSampleId :

Tgt Ion: 43 Resp: 7251

Ion Ratio Lower Upper

43 100

72 22.3 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.016 min

Lab File: VN070941.D

Acq: 3 Feb 2022 19:58

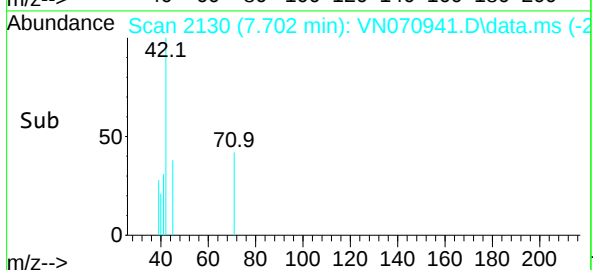
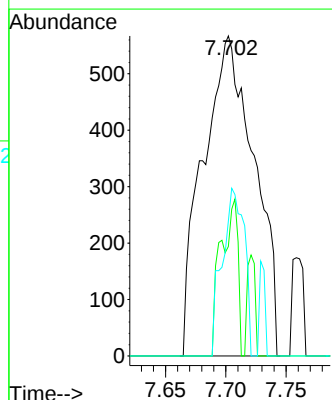
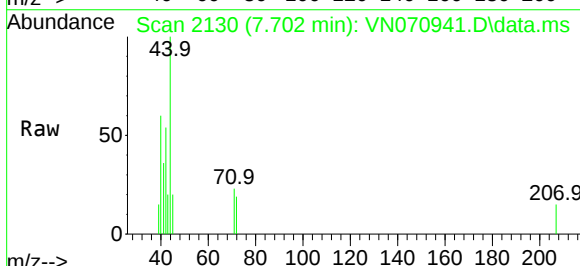
Tgt Ion: 42 Resp: 1673

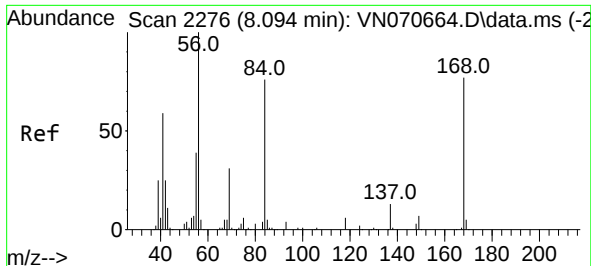
Ion Ratio Lower Upper

42 100

72 16.2 36.3 54.5#

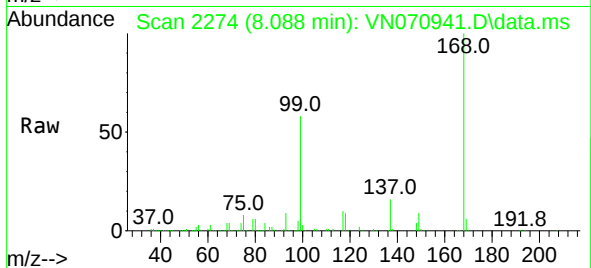
71 22.7 34.7 52.1#



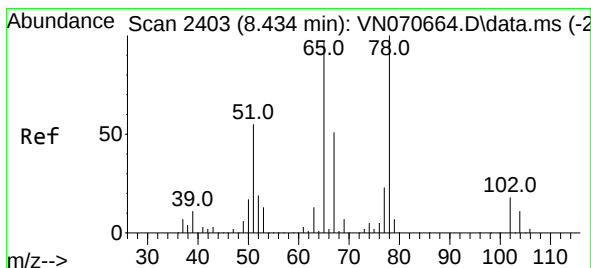
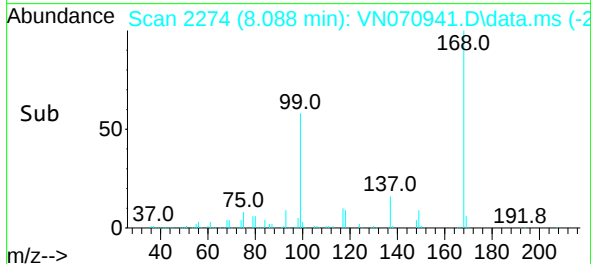
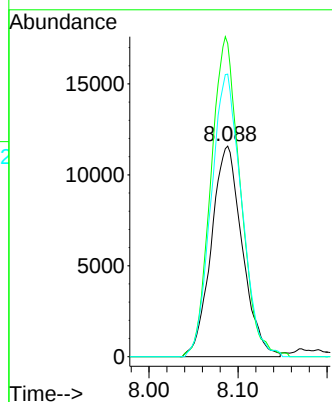


#31
Cyclohexane
Concen: 1.212 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Instrument :
MSVOA_N
ClientSampleId :

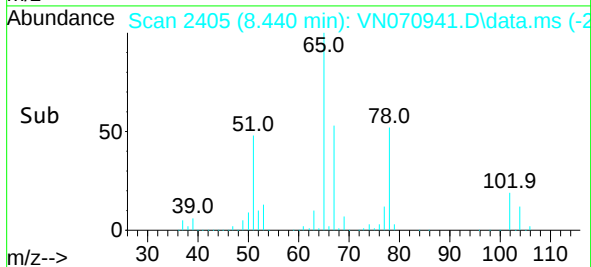
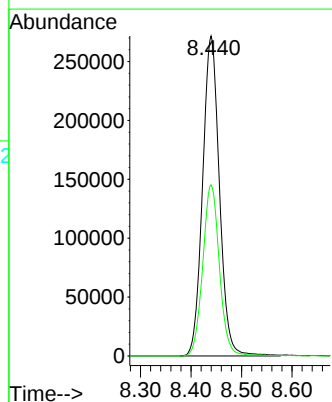
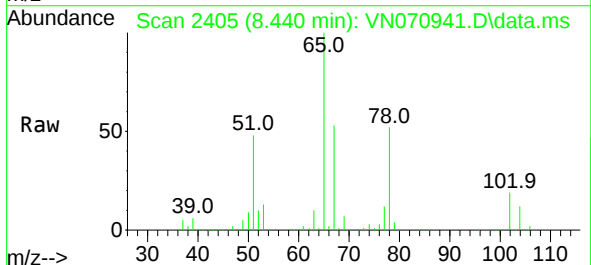


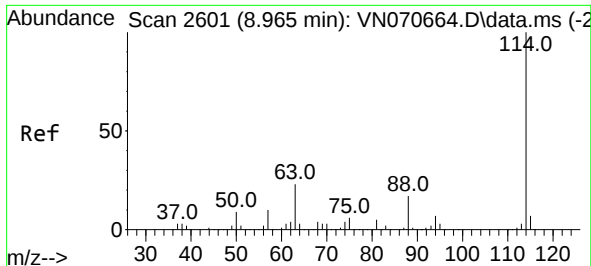
Tgt Ion: 56 Resp: 27955
Ion Ratio Lower Upper
56 100
69 148.7 27.1 40.7#
84 134.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.415 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Tgt Ion: 65 Resp: 629940
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070941.D

Acq: 3 Feb 2022 19:58

Instrument :

MSVOA_N

ClientSampleId :

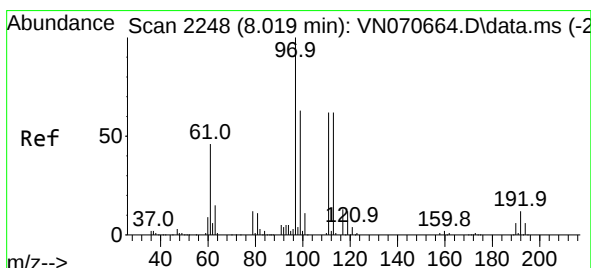
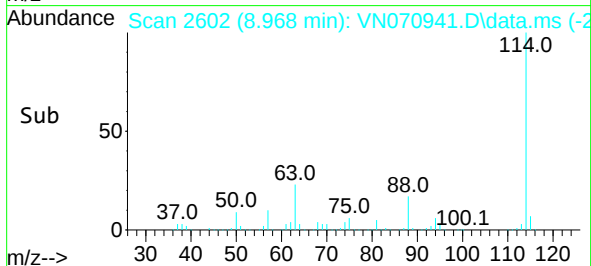
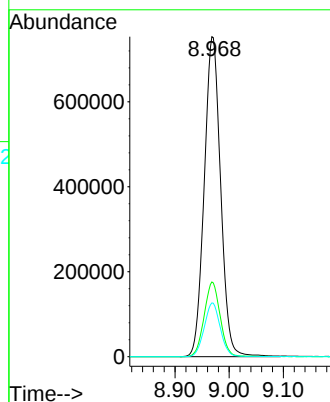
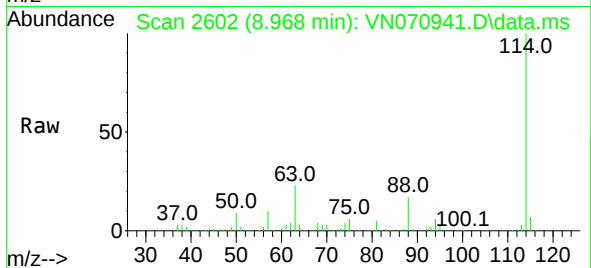
Tgt Ion:114 Resp: 1583173

Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.8 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.713 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN070941.D

Acq: 3 Feb 2022 19:58

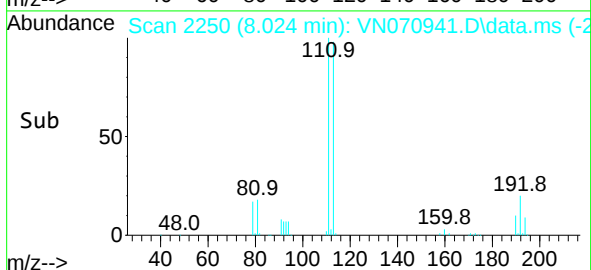
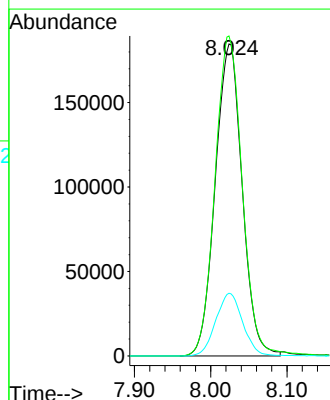
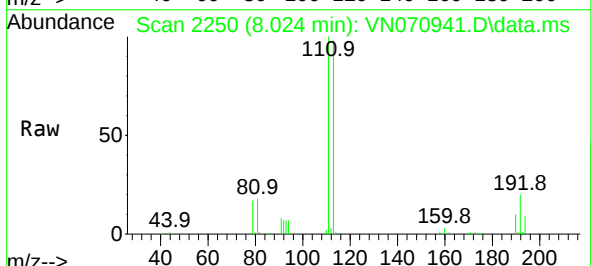
Tgt Ion:113 Resp: 452517

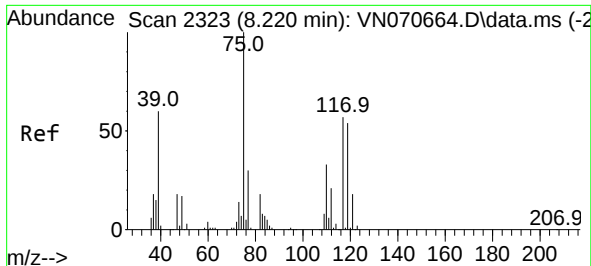
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

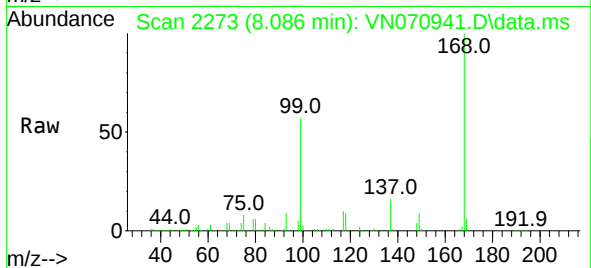
192 20.2 16.9 25.3



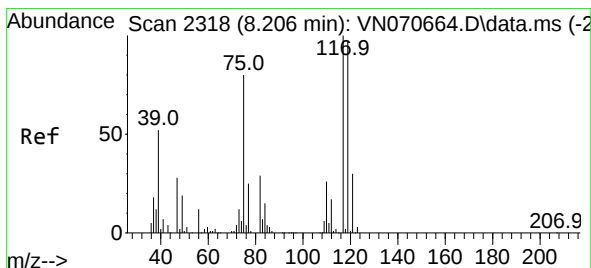
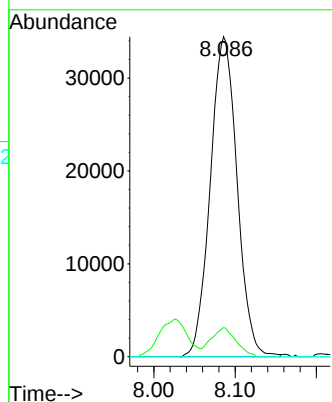
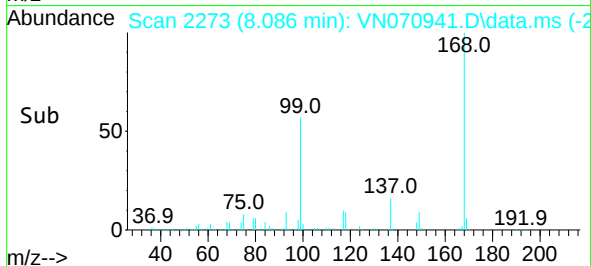


#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

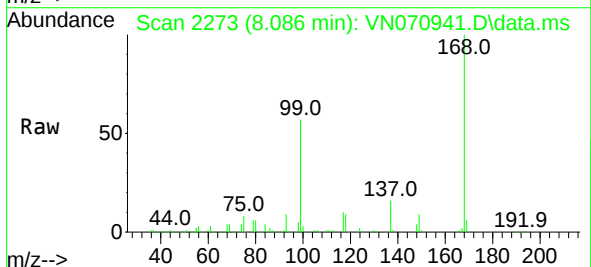
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MSVOA_N
ClientSampleId :



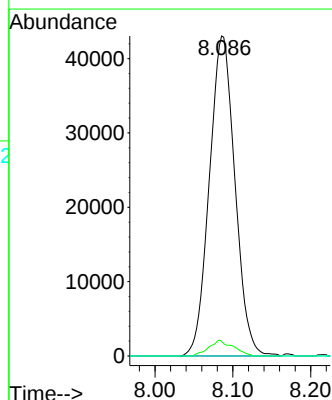
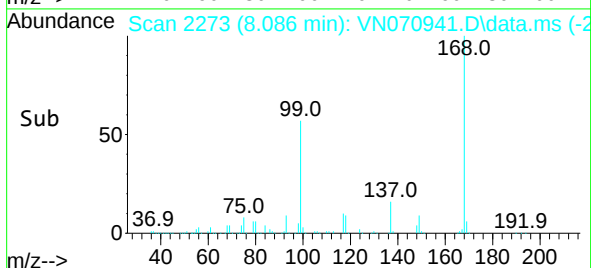
Tgt Ion: 75 Resp: 78943
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#

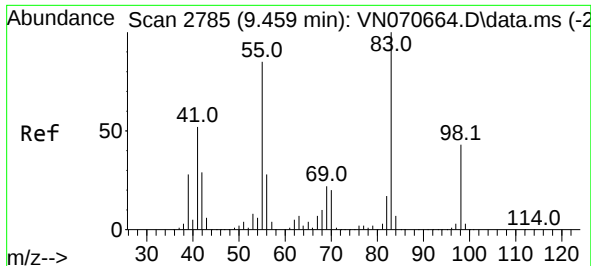


#38
Carbon Tetrachloride
Concen: 6.980 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58



Tgt Ion: 117 Resp: 98214
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#

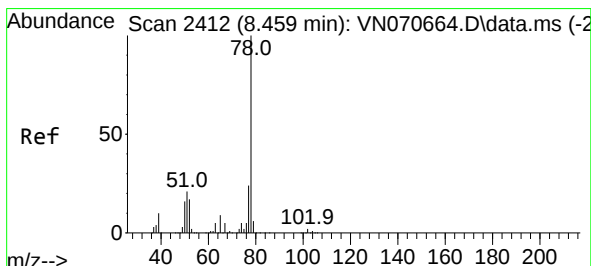
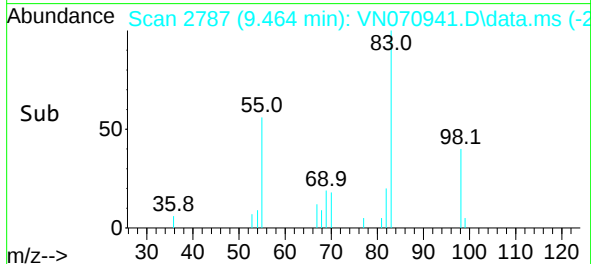
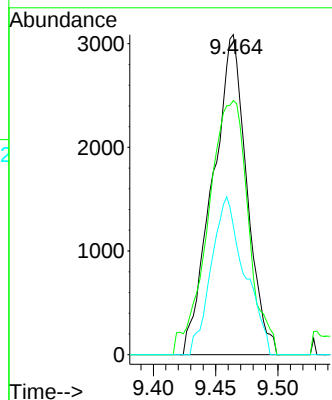
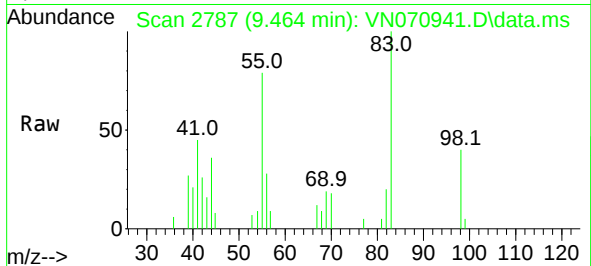




#39
Methylcyclohexane
Concen: 0.311 ug/l
RT: 9.464 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

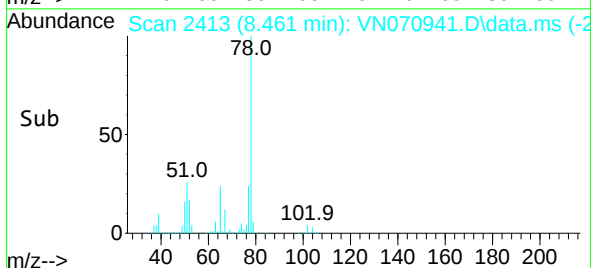
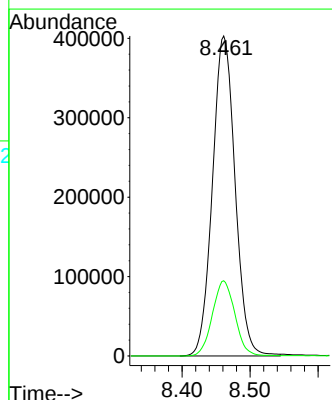
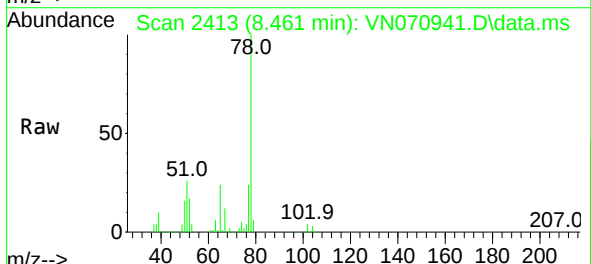
Instrument :
MSVOA_N
ClientSampleId :

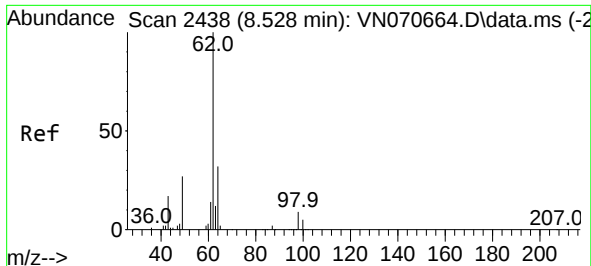
Tgt Ion: 83 Resp: 5885
Ion Ratio Lower Upper
83 100
55 79.4 58.1 87.1
98 40.2 38.4 57.6



#40
Benzene
Concen: 19.259 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.002 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Tgt Ion: 78 Resp: 932263
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8





#42

1,2-Dichloroethane

Concen: 0.550 ug/l

RT: 8.458 min Scan# 24

Delta R.T. -0.070 min MSVOA_N

Lab File: VN070941.D

Acq: 3 Feb 2022 19:58

Instrument :

MSVOA_N

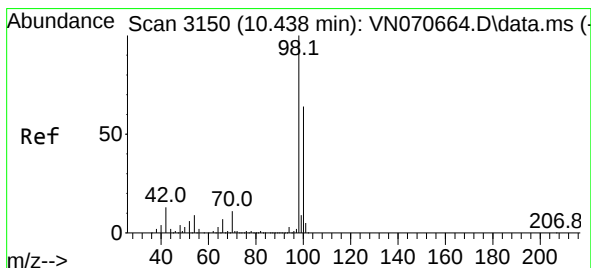
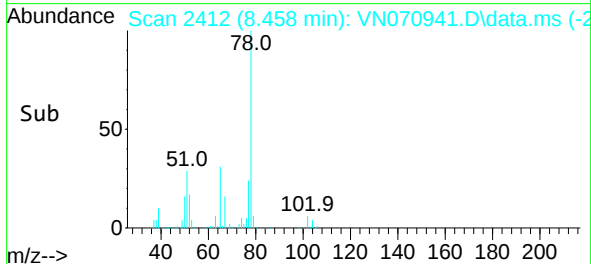
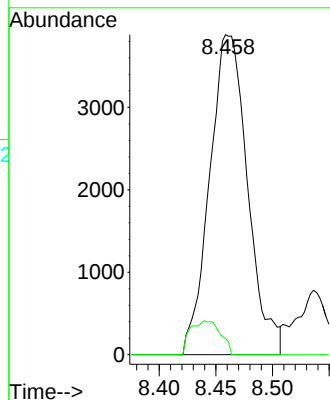
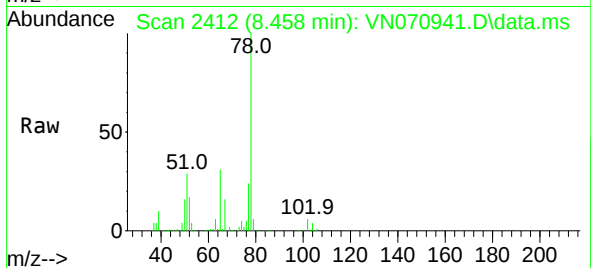
ClientSampleId :

Tgt Ion: 62 Resp: 9061

Ion Ratio Lower Upper

62 100

98 8.4 0.0 17.6



#50

Toluene-d8

Concen: 49.162 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN070941.D

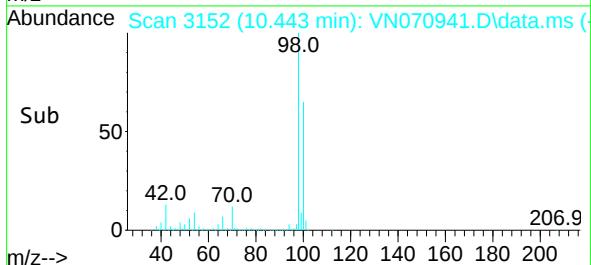
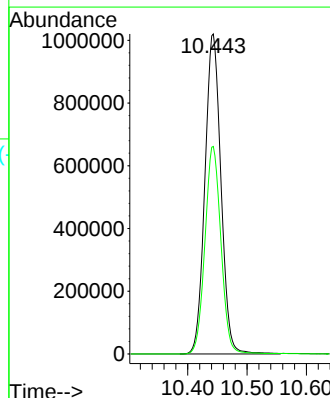
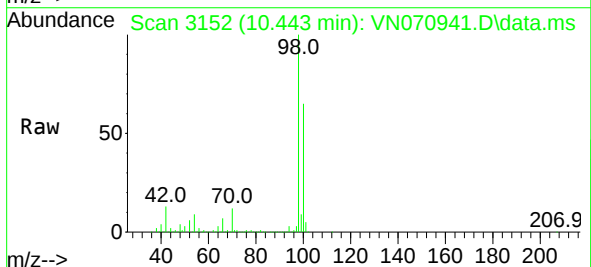
Acq: 3 Feb 2022 19:58

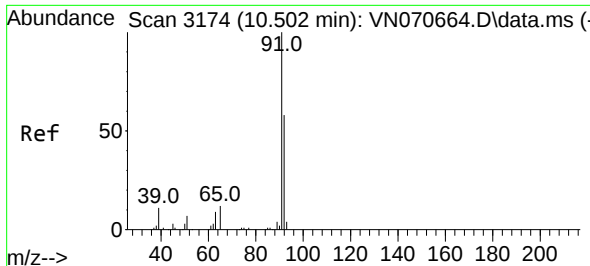
Tgt Ion: 98 Resp: 1914395

Ion Ratio Lower Upper

98 100

100 64.5 50.4 75.6

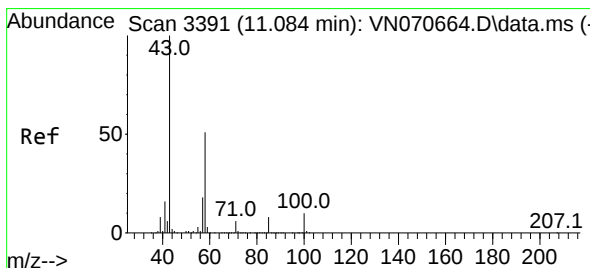
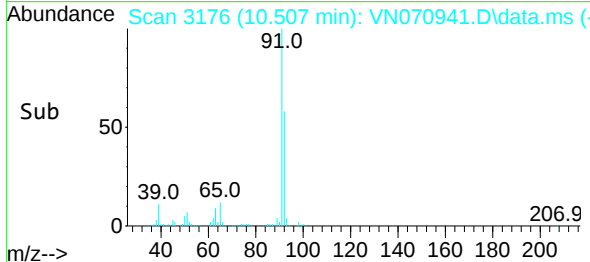
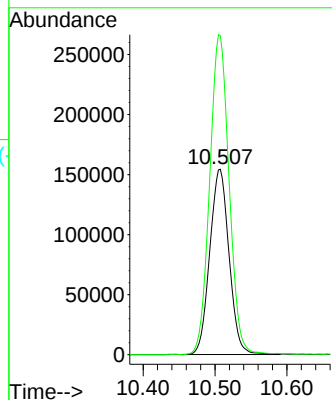
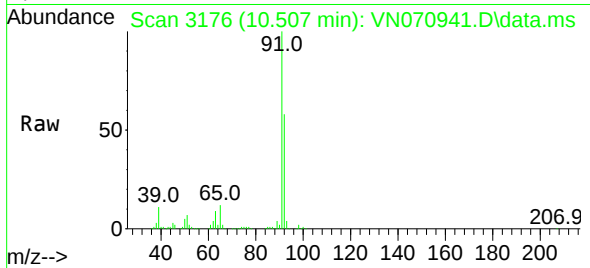




#52
Toluene
Concen: 9.587 ug/l
RT: 10.507 min Scan# 3174
Delta R.T. 0.002 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

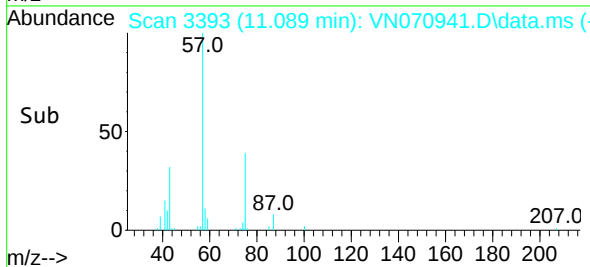
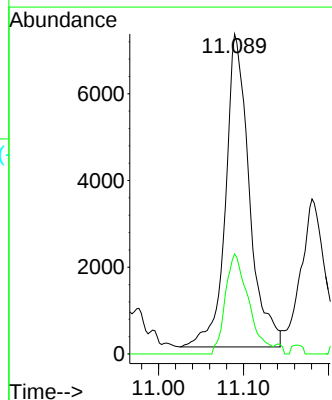
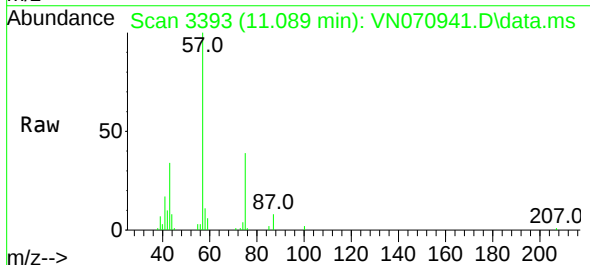
Instrument :
MSVOA_N
ClientSampleId :

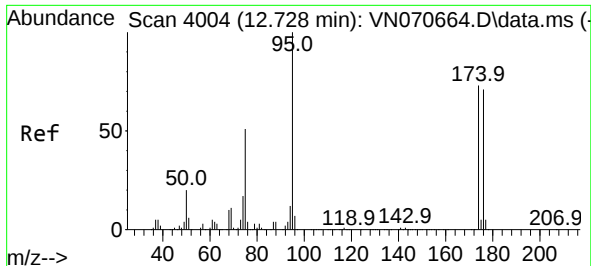
Tgt Ion: 92 Resp: 287527
Ion Ratio Lower Upper
92 100
91 174.0 142.0 213.0



#59
2-Hexanone
Concen: 0.916 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Tgt Ion: 43 Resp: 14048
Ion Ratio Lower Upper
43 100
58 31.1 26.9 80.7

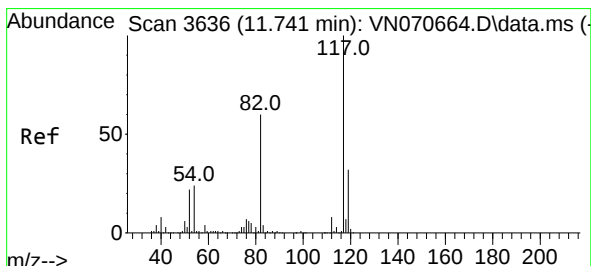
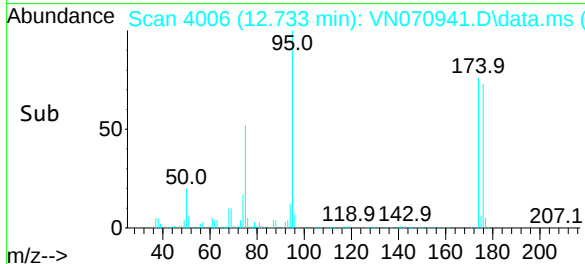
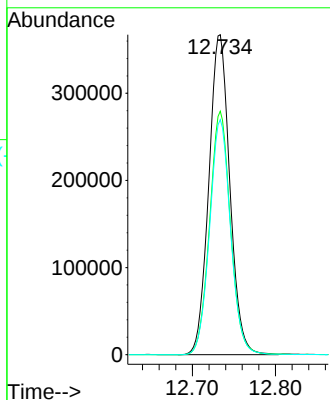
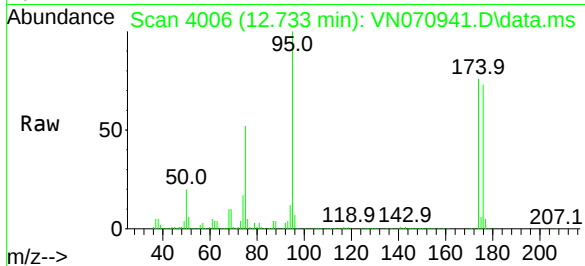




#62
4-Bromofluorobenzene
Concen: 45.957 ug/l
RT: 12.733 min Scan# 4004
Delta R.T. 0.002 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

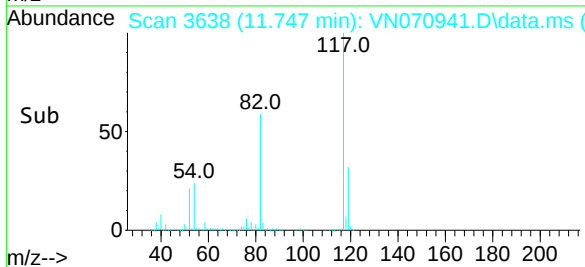
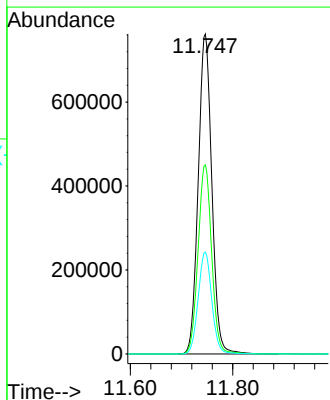
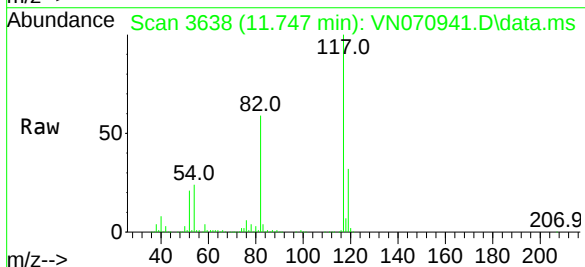
Instrument :
MSVOA_N
ClientSampleId :

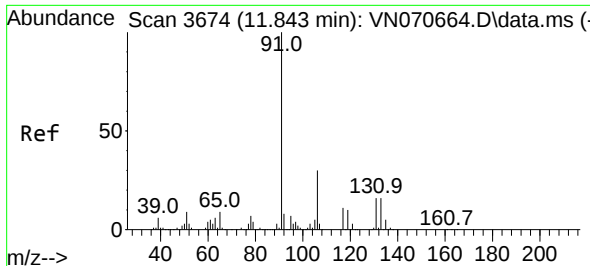
Tgt Ion: 95 Resp: 644835
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Tgt Ion: 117 Resp: 1404452
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 31.9 25.4 38.2

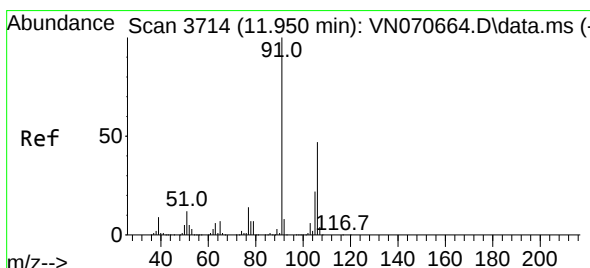
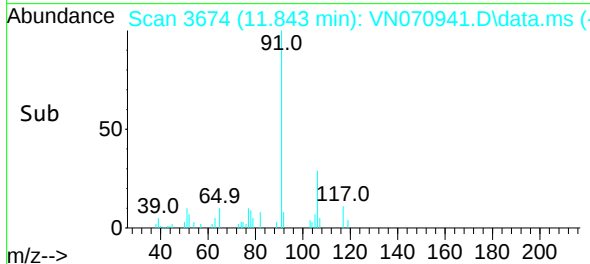
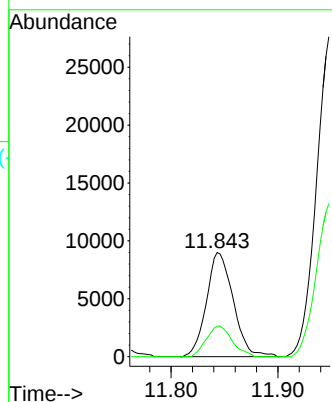
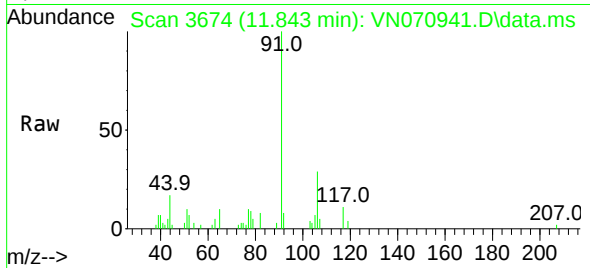




#67
Ethyl Benzene
Concen: 0.292 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

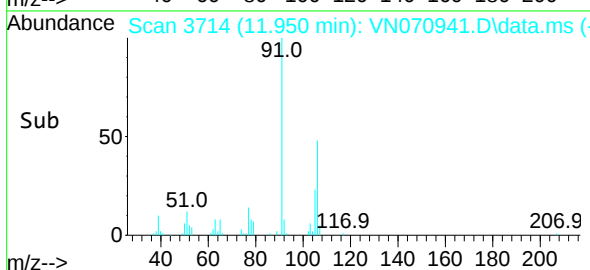
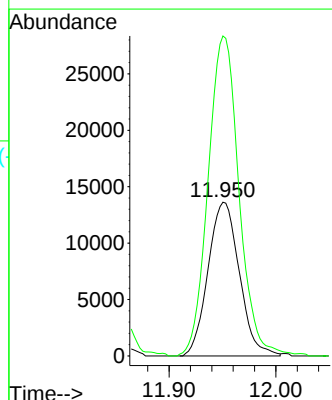
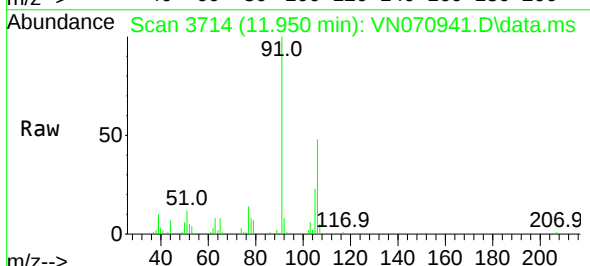
Instrument :
MSVOA_N
ClientSampleId :

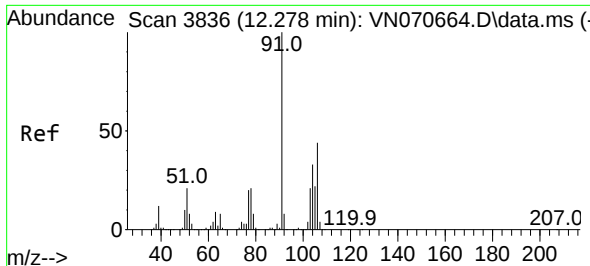
Tgt Ion: 91 Resp: 15643
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5



#68
m/p-Xylenes
Concen: 1.399 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Tgt Ion: 106 Resp: 27782
Ion Ratio Lower Upper
106 100
91 204.9 160.6 240.8

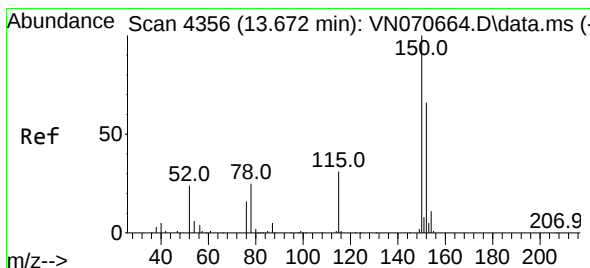
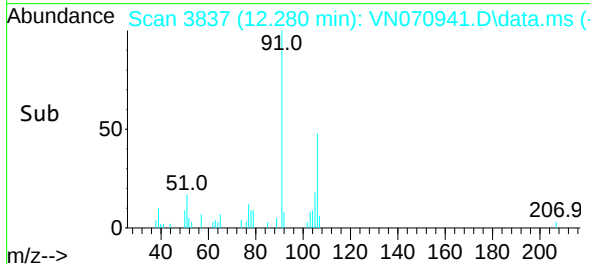
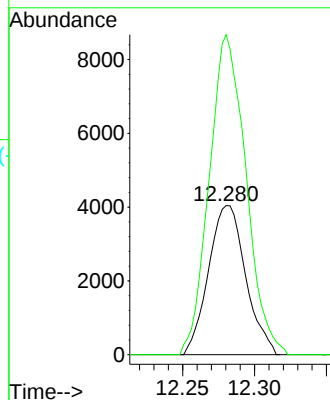
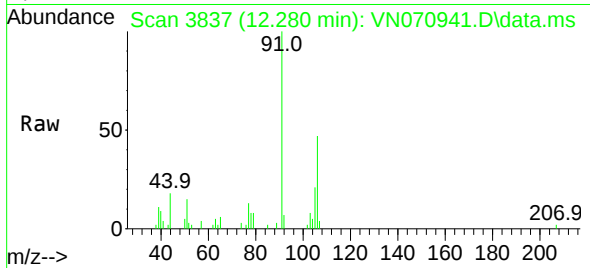




#69
o-Xylene
Concen: 0.365 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

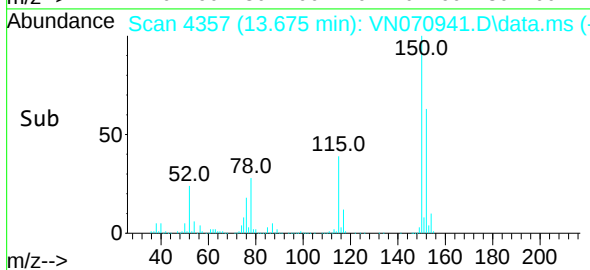
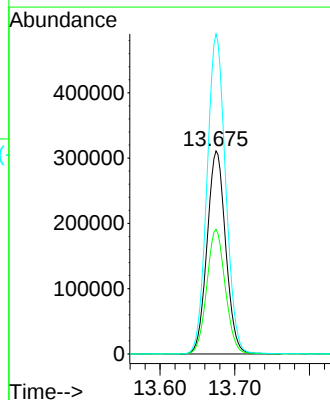
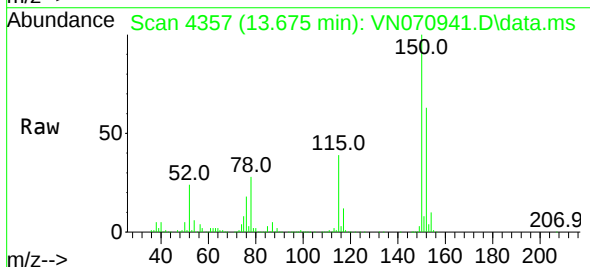
Instrument :
MSVOA_N
ClientSampleId :

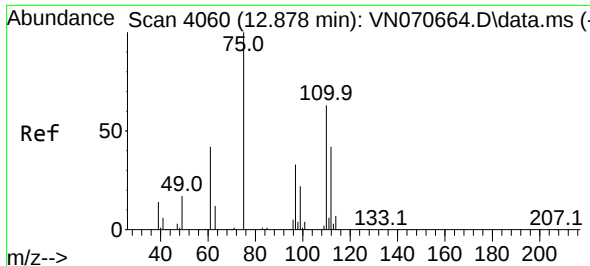
Tgt Ion:106 Resp: 7259
Ion Ratio Lower Upper
106 100
91 212.1 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Tgt Ion:152 Resp: 537866
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 157.3 0.0 344.4

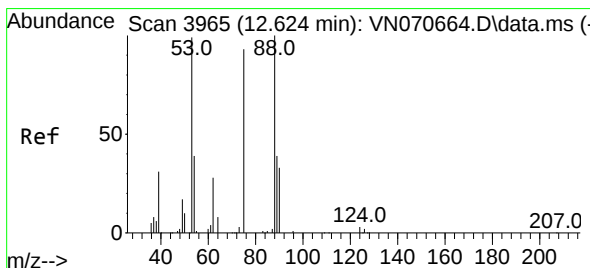
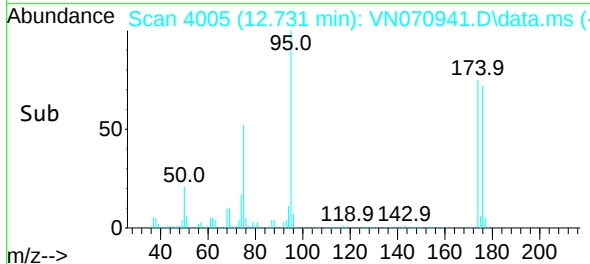
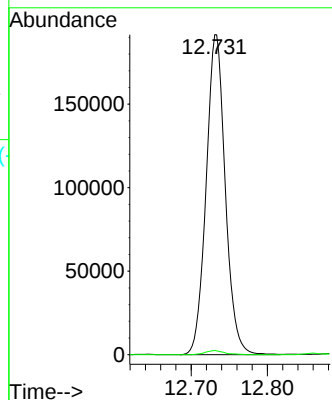
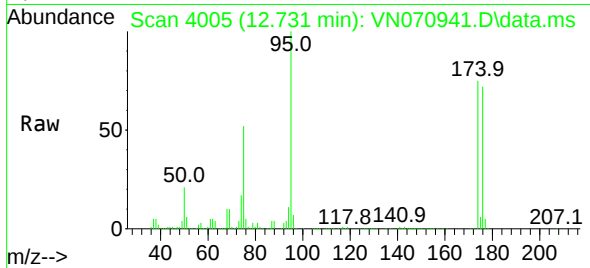




#76
1,2,3-Trichloropropane
Concen: 25.745 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

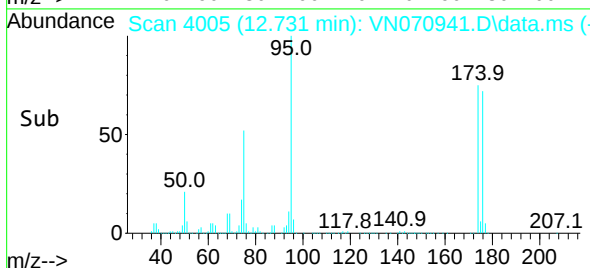
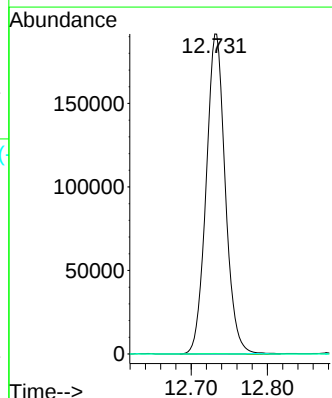
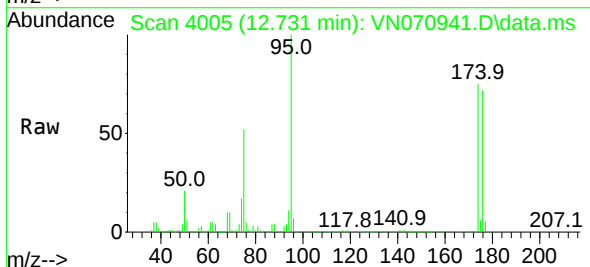
Instrument :
MSVOA_N
ClientSampleId :

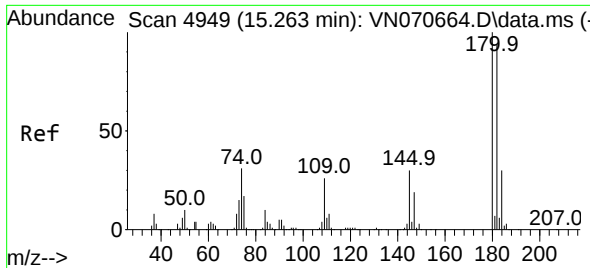
Tgt Ion: 75 Resp: 333304
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.786 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

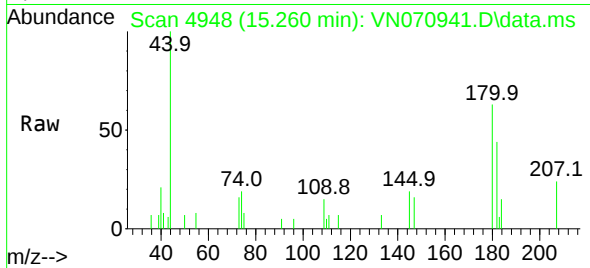
Tgt Ion: 75 Resp: 333304
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



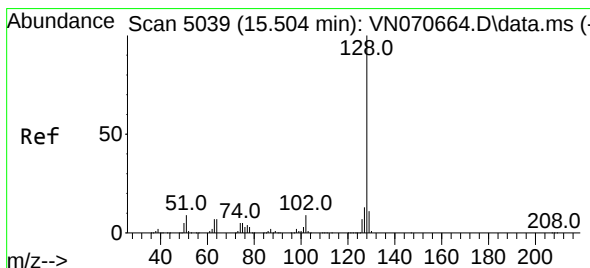
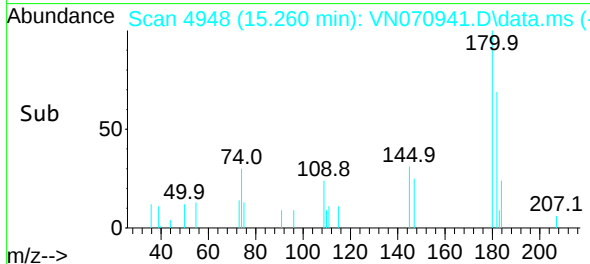
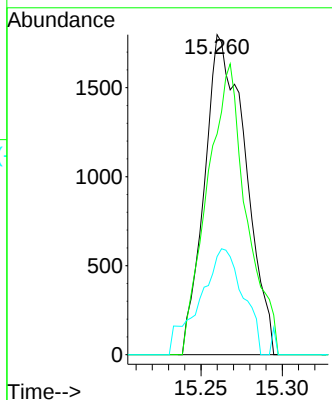


#93
1,2,4-Trichlorobenzene
Concen: 0.316 ug/l
RT: 15.260 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

Instrument :
MSVOA_N
ClientSampleId :

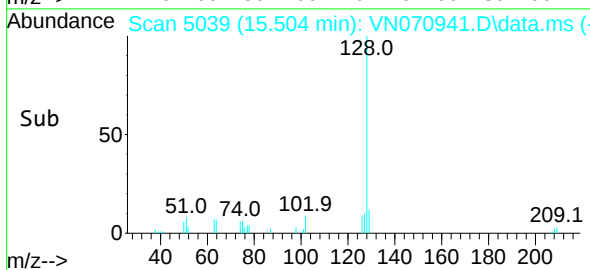
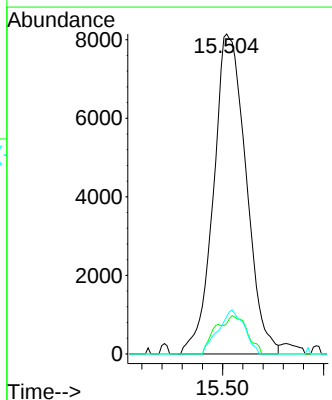
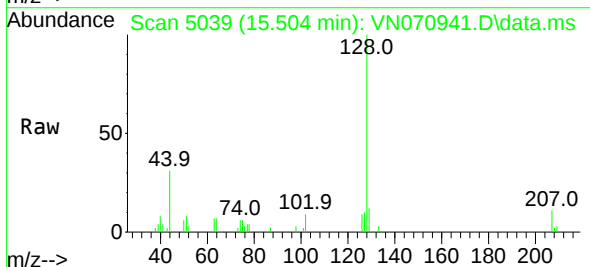


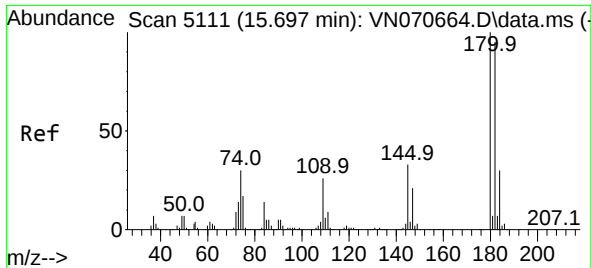
Tgt Ion:180 Resp: 3143
Ion Ratio Lower Upper
180 100
182 86.9 48.3 144.9
145 35.1 14.5 43.5



#95
Naphthalene
Concen: 4.143 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070941.D
Acq: 3 Feb 2022 19:58

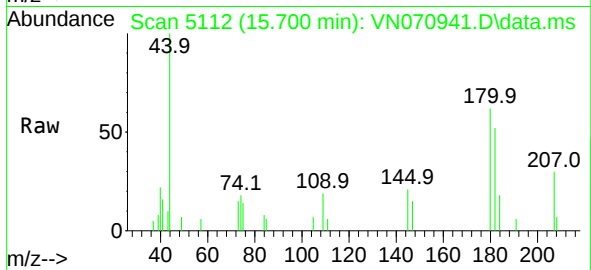
Tgt Ion:128 Resp: 18186
Ion Ratio Lower Upper
128 100
127 7.5 10.5 15.7#
129 11.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.071 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070941.D
 Acq: 3 Feb 2022 19:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 3627
 Ion Ratio Lower Upper
 180 100
 182 91.0 47.4 142.2
 145 36.8 15.0 45.1

