

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071101.D
 Acq On : 28 Feb 2022 17:56
 Operator : JC\MD
 Sample : N1689-10 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP022222

Quant Time: Mar 01 04:23:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

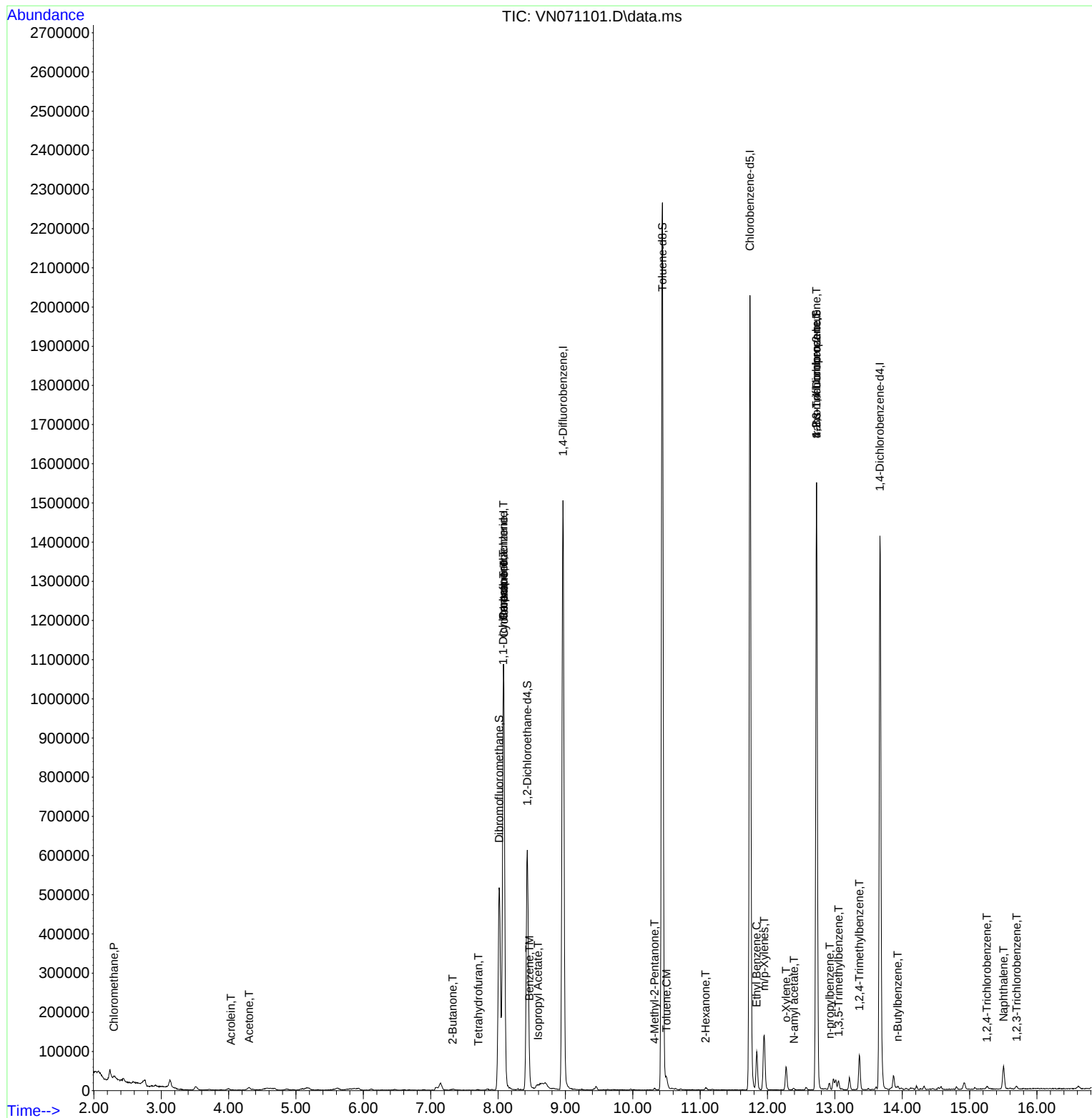
Internal Standards						
1) Pentafluorobenzene	8.080	168	839936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1337895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1163883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	411560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	504135	52.543	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.080%			
35) Dibromofluoromethane	8.016	113	389223	48.911	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.820%			
50) Toluene-d8	10.439	98	1603782	50.184	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.360%			
62) 4-Bromofluorobenzene	12.727	95	549023	48.062	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.120%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2868	0.262	ug/l #	84
13) Acrolein	4.034	56	427	0.273	ug/l #	14
16) Acetone	4.304	43	6173	1.168	ug/l #	87
18) Methyl Acetate	4.857	43	6730	Below Cal	#	89
25) 2-Butanone	7.328	43	2098	0.298	ug/l #	81
29) Tetrahydrofuran	7.710	42	1164	0.256	ug/l #	40
31) Cyclohexane	8.086	56	25657	1.546	ug/l #	21
36) 1,1-Dichloropropene	8.075	75	63147	4.843	ug/l #	49
38) Carbon Tetrachloride	8.080	117	80463	6.264	ug/l #	17
40) Benzene	8.463	78	15126	0.392	ug/l	94
43) Isopropyl Acetate	8.592	43	10514	0.477	ug/l #	55
51) 4-Methyl-2-Pentanone	10.322	43	3221	0.240	ug/l #	66
52) Toluene	10.498	92	8336	0.344	ug/l	95
59) 2-Hexanone	11.080	43	5072	0.550	ug/l	88
67) Ethyl Benzene	11.839	91	71058	1.619	ug/l	92
68) m/p-Xylenes	11.951	106	49516	2.920	ug/l	98
69) o-Xylene	12.274	106	16224	0.980	ug/l	92
74) N-amyl acetate	12.392	43	2960	0.280	ug/l #	87
76) 1,2,3-Trichloropropane	12.727	75	279858	28.880	ug/l #	1
78) n-propylbenzene	12.921	91	14187	0.381	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	10610	0.395	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.727	75	279858	93.586	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.362	105	52317	1.980	ug/l	98
89) n-Butylbenzene	13.933	91	5208	0.232	ug/l	92
93) 1,2,4-Trichlorobenzene	15.256	180	2915	2.368	ug/l	94
95) Naphthalene	15.504	128	56601	7.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	3366	2.974	ug/l	96

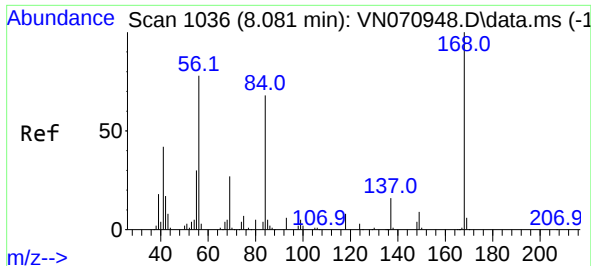
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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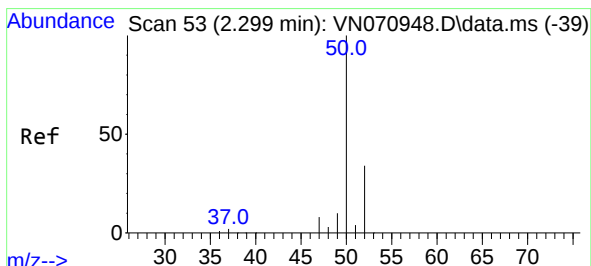
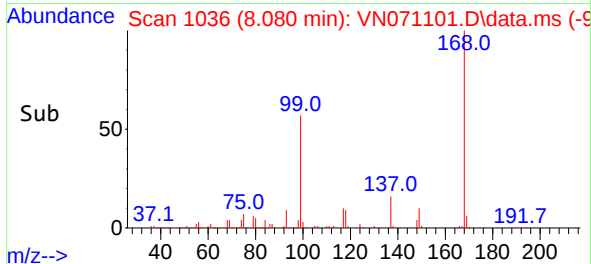
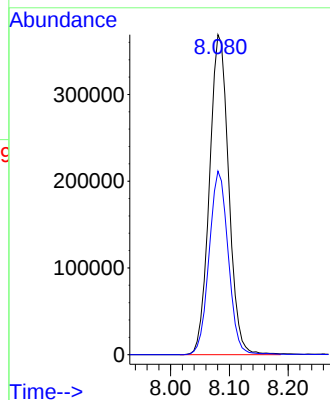
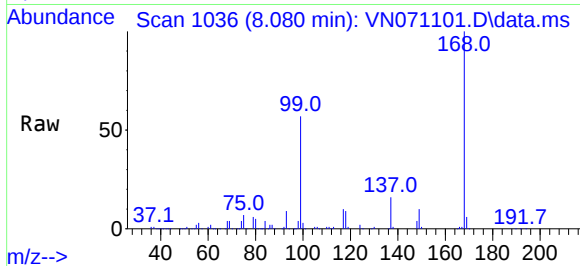




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

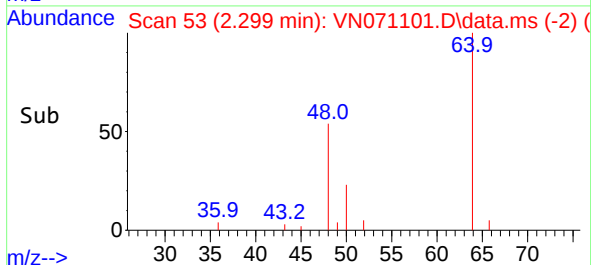
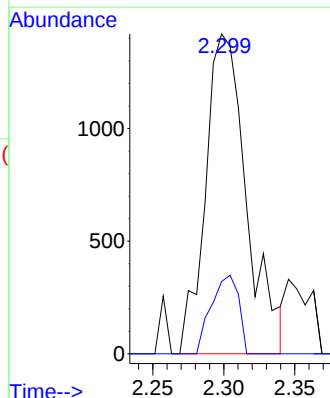
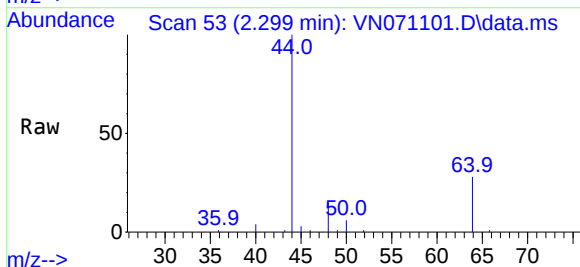
Instrument :
MSVOA_N
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DUP022222

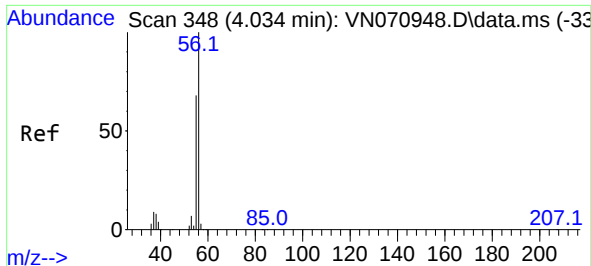
Tgt Ion:168 Resp: 839936
Ion Ratio Lower Upper
168 100
99 57.4 41.3 61.9



#3
Chloromethane
Concen: 0.262 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 50 Resp: 2868
Ion Ratio Lower Upper
50 100
52 22.6 25.4 38.0#

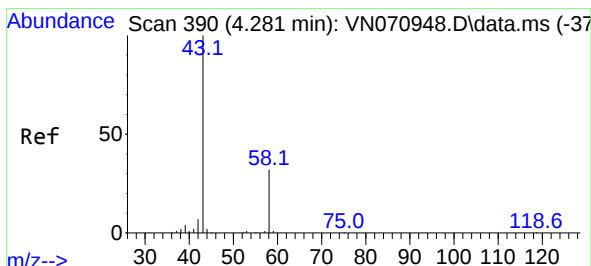
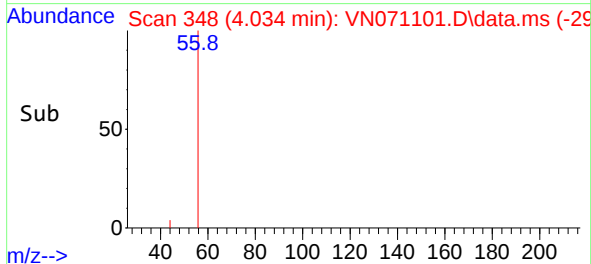
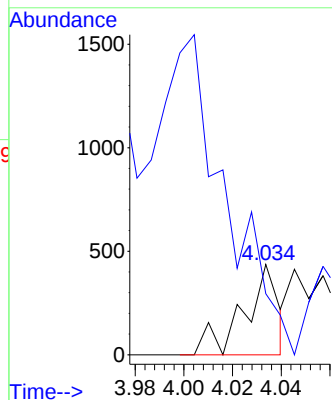
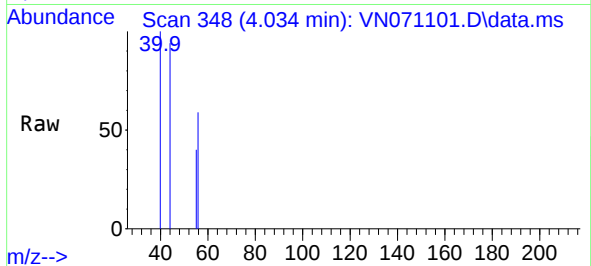




#13
Acrolein
Concen: 0.273 ug/l
RT: 4.034 min Scan# 348
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

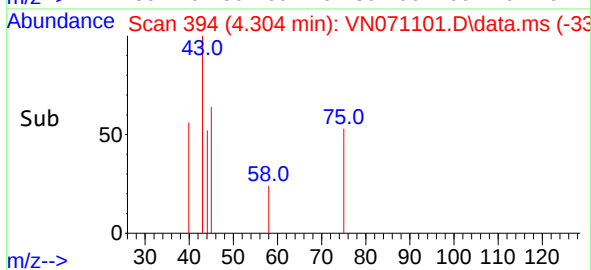
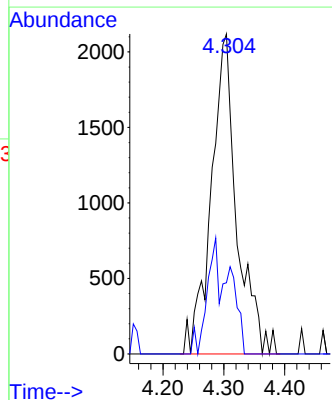
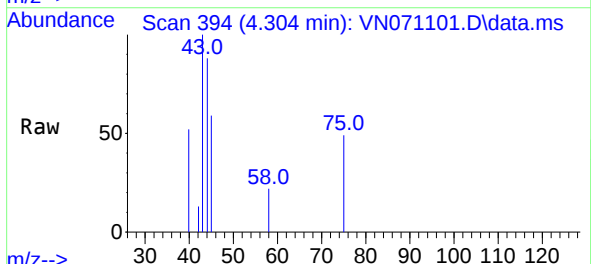
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

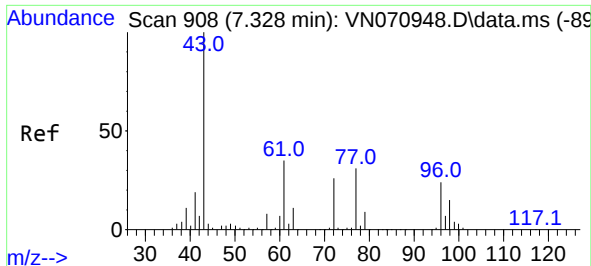
Tgt Ion: 56 Resp: 427
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 1.168 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 43 Resp: 6173
Ion Ratio Lower Upper
43 100
58 22.2 23.1 34.7#





#25

2-Butanone

Concen: 0.298 ug/l

RT: 7.328 min Scan# 908

Delta R.T. -0.000 min

Lab File: VN071101.D

Acq: 28 Feb 2022 17:56

Instrument :

MSVOA_N

ClientSampleId :

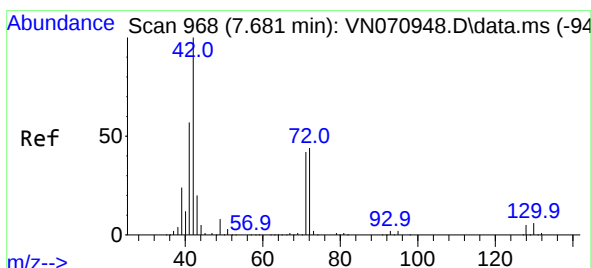
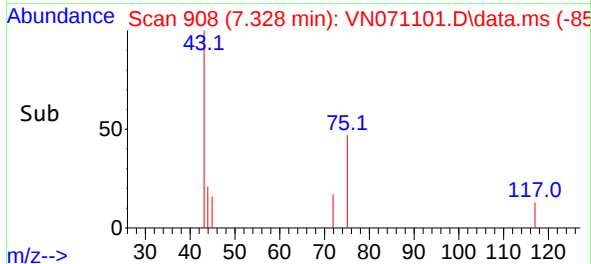
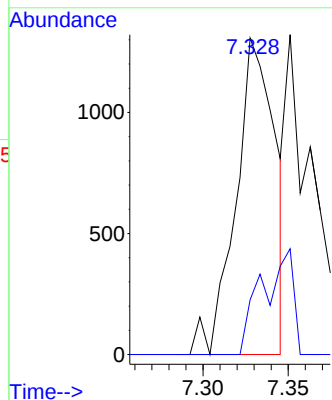
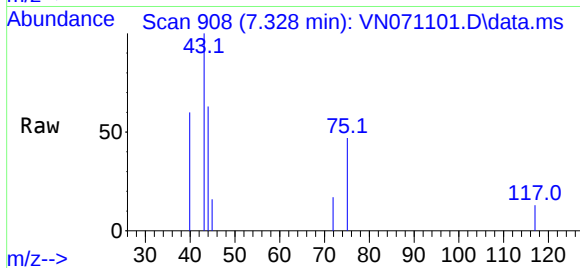
DUP022222

Tgt Ion: 43 Resp: 2098

Ion Ratio Lower Upper

43 100

72 17.3 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 7.710 min Scan# 973

Delta R.T. 0.029 min

Lab File: VN071101.D

Acq: 28 Feb 2022 17:56

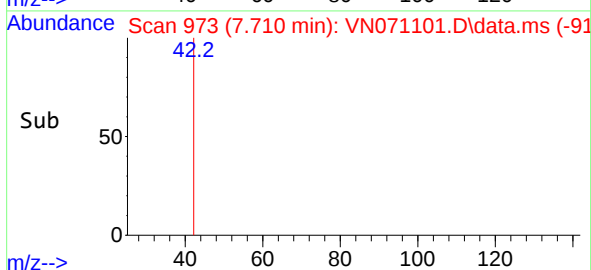
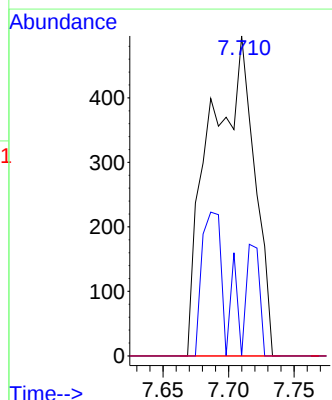
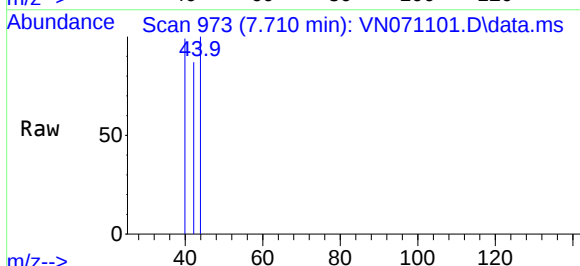
Tgt Ion: 42 Resp: 1164

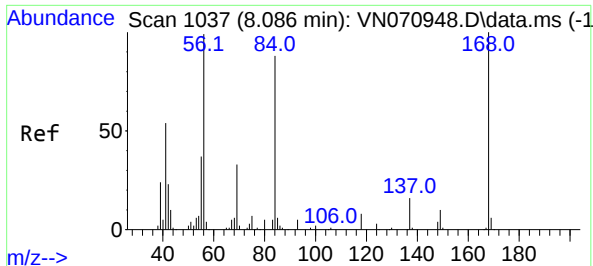
Ion Ratio Lower Upper

42 100

72 10.3 36.3 54.5#

71 0.0 34.7 52.1#

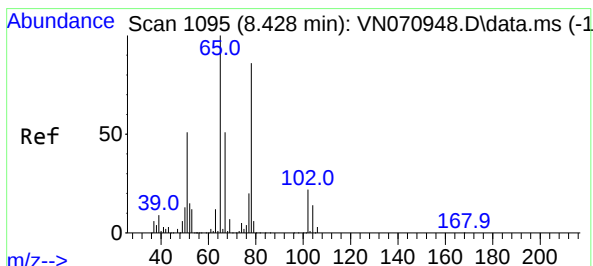
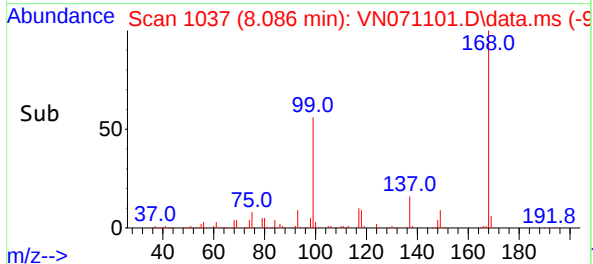
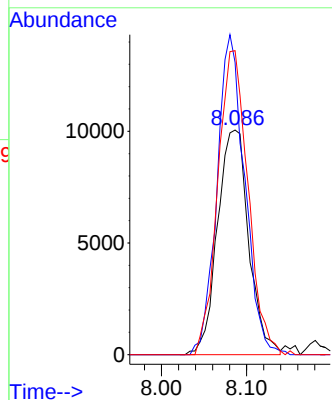
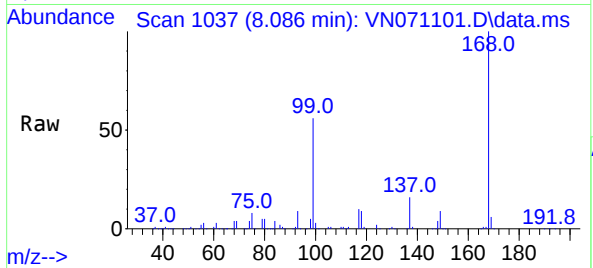




#31
Cyclohexane
Concen: 1.546 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

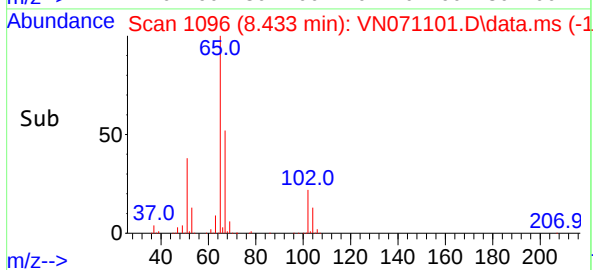
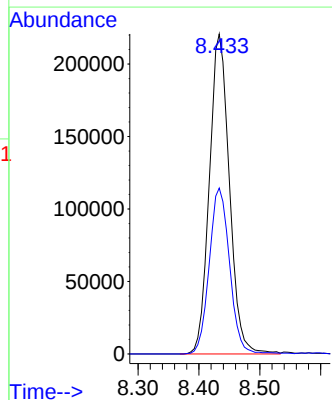
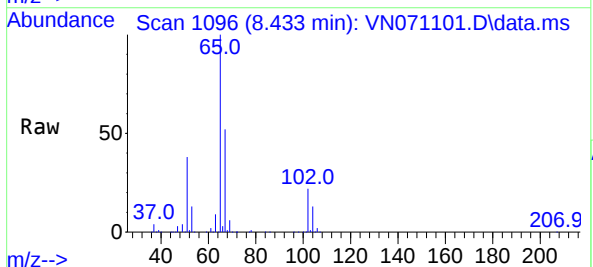
Instrument :
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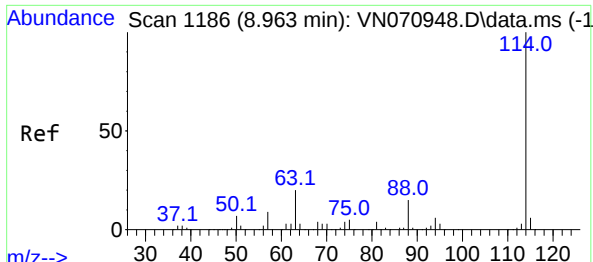
Tgt Ion: 56 Resp: 25657
Ion Ratio Lower Upper
56 100
69 130.2 27.1 40.7#
84 135.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.543 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 65 Resp: 504135
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0

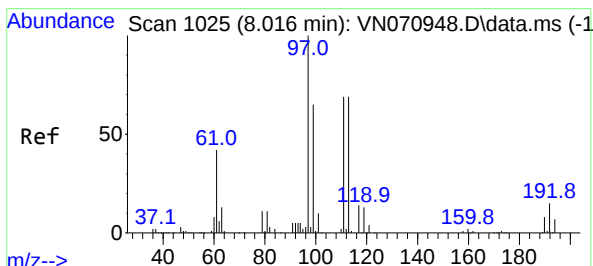
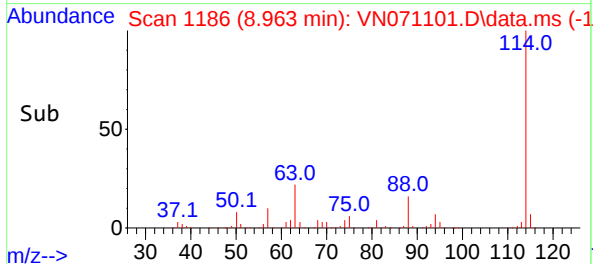
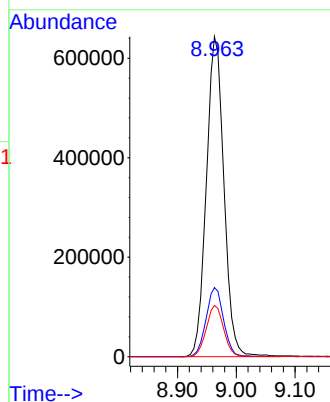
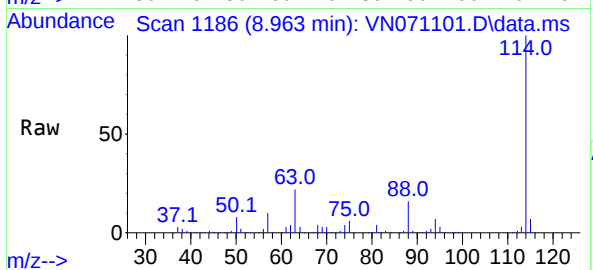




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

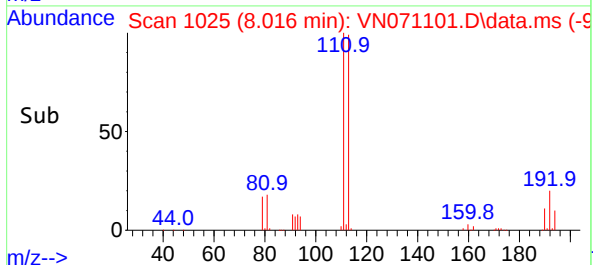
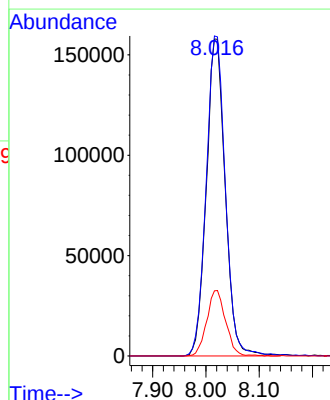
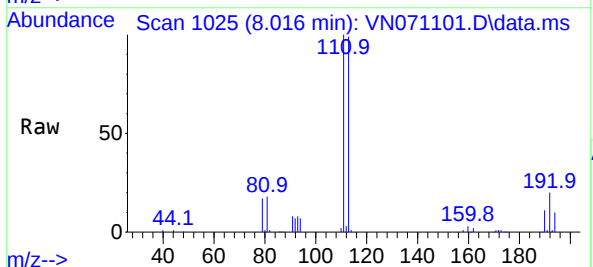
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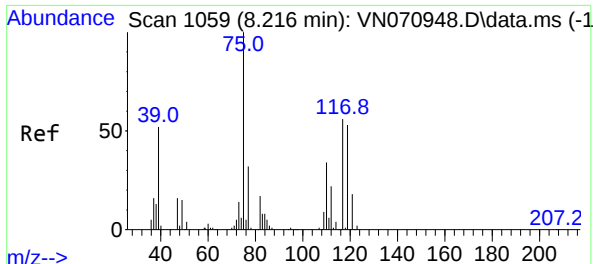
Tgt Ion:114 Resp: 1337895
Ion Ratio Lower Upper
114 100
63 21.6 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.911 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion:113 Resp: 389223
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.843 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN071101.D

Acq: 28 Feb 2022 17:56

Instrument :

MSVOA_N

ClientSampleId :

DUP022222

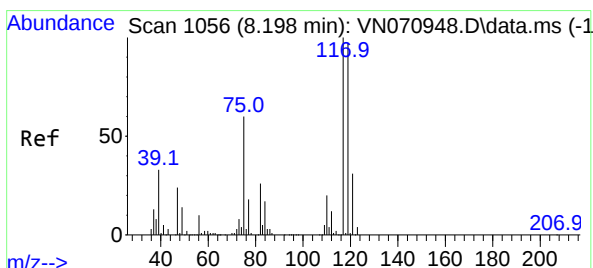
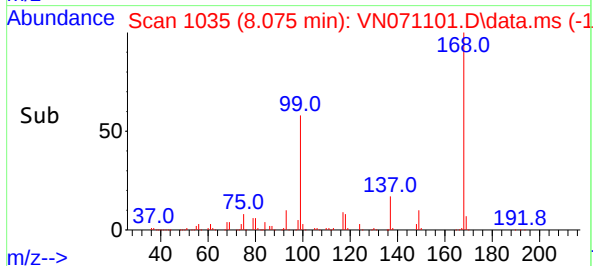
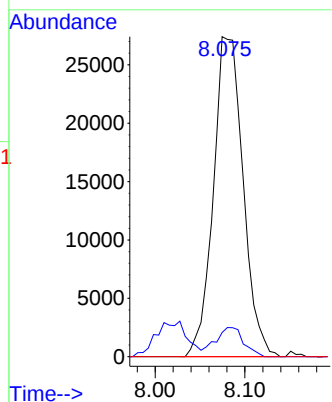
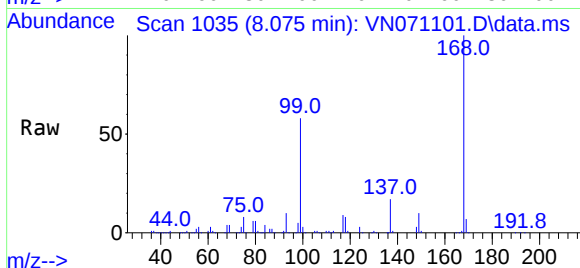
Tgt Ion: 75 Resp: 63147

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.264 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.118 min

Lab File: VN071101.D

Acq: 28 Feb 2022 17:56

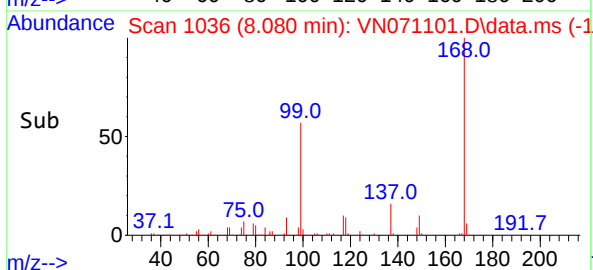
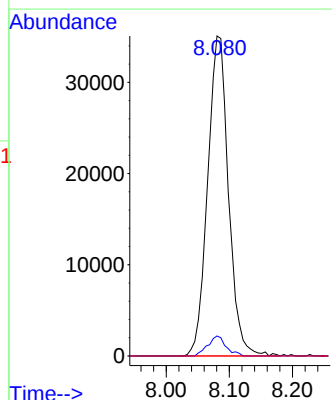
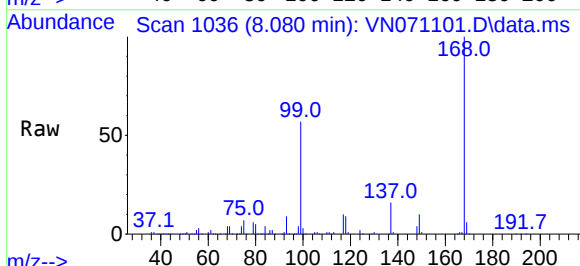
Tgt Ion: 117 Resp: 80463

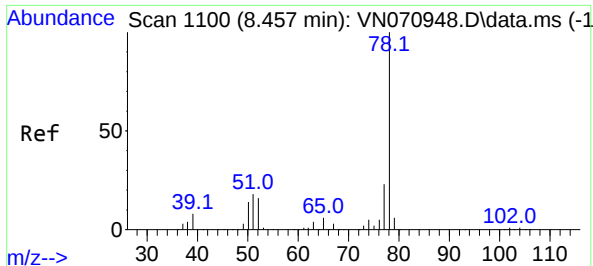
Ion Ratio Lower Upper

117 100

119 6.3 76.1 114.1#

121 0.0 24.2 36.2#

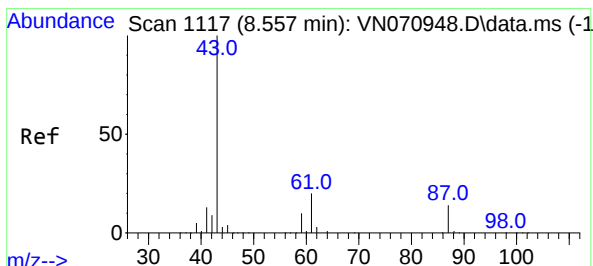
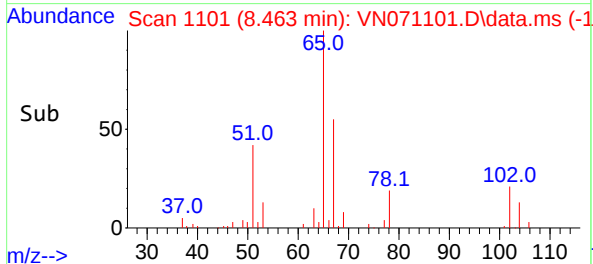
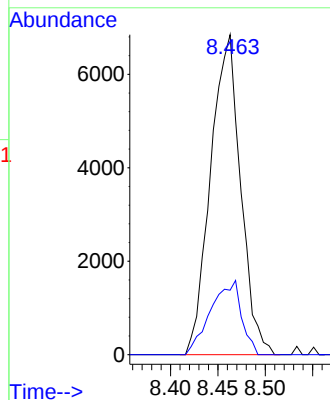
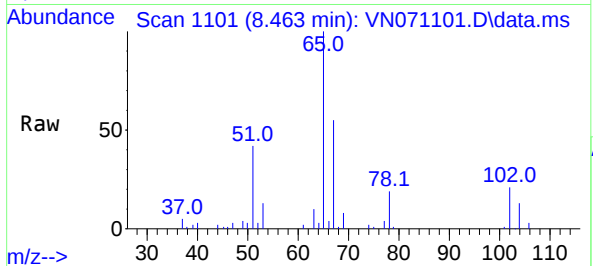




#40
Benzene
Concen: 0.392 ug/l
RT: 8.463 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

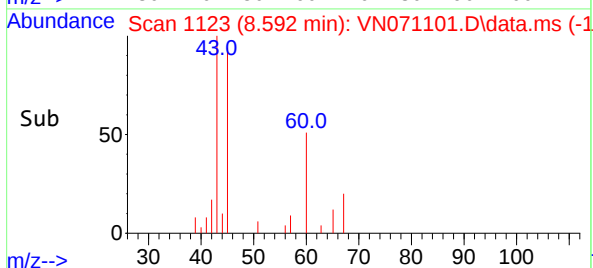
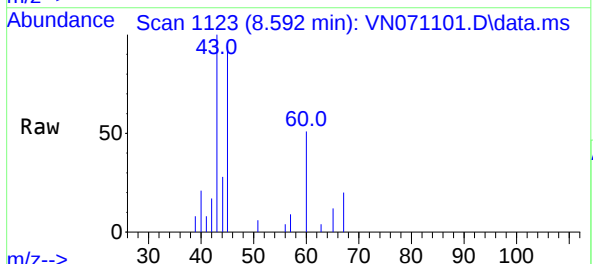
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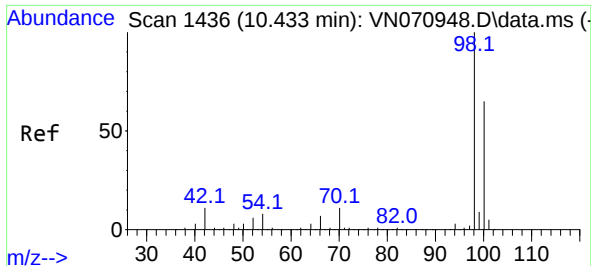
Tgt Ion: 78 Resp: 15126
Ion Ratio Lower Upper
78 100
77 20.2 18.6 27.8



#43
Isopropyl Acetate
Concen: 0.477 ug/l
RT: 8.592 min Scan# 1123
Delta R.T. 0.035 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 43 Resp: 10514
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

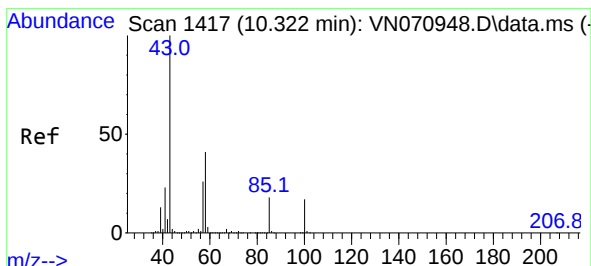
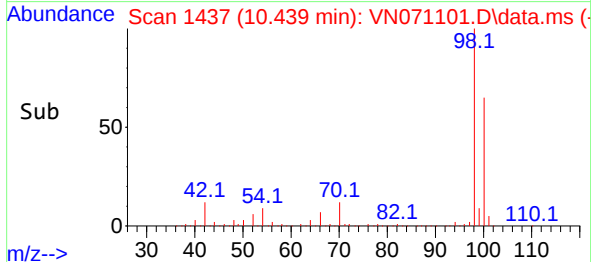
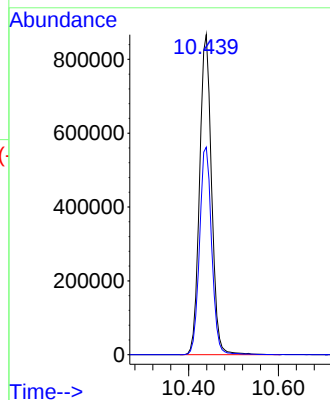
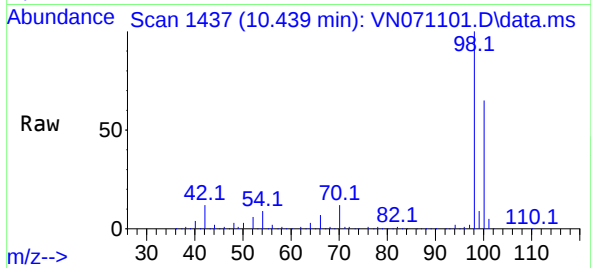




#50
Toluene-d8
Concen: 50.184 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

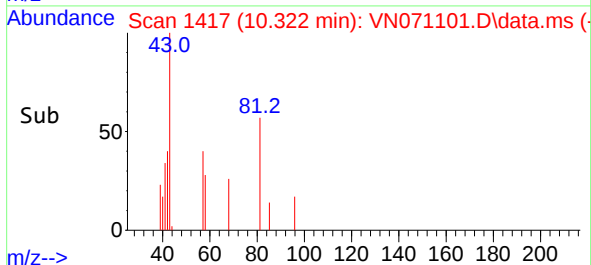
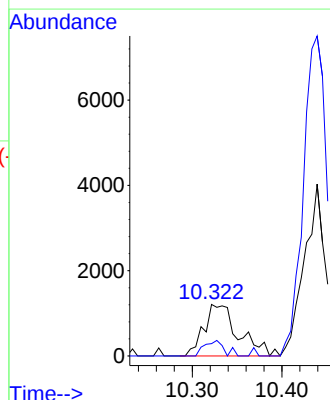
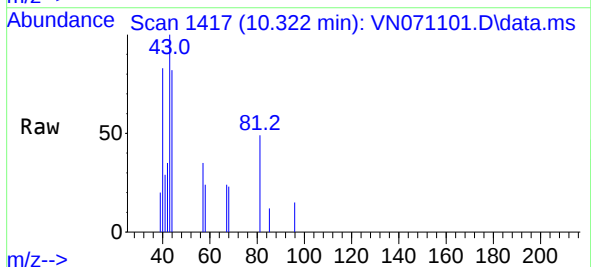
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

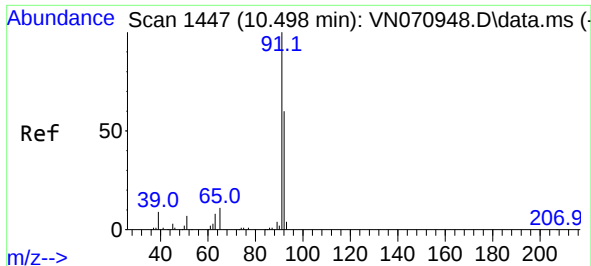
Tgt Ion: 98 Resp: 1603782
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 43 Resp: 3221
Ion Ratio Lower Upper
43 100
58 17.3 30.4 45.6#

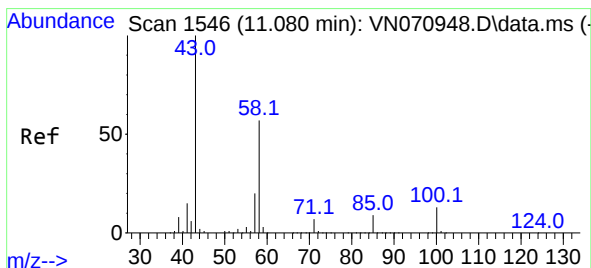
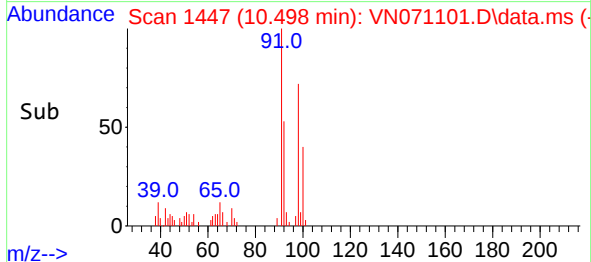
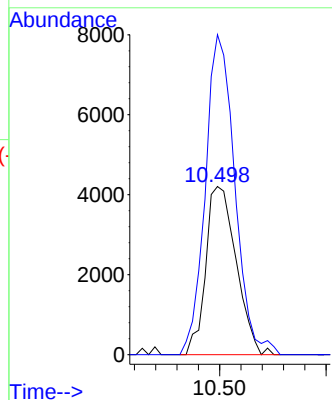
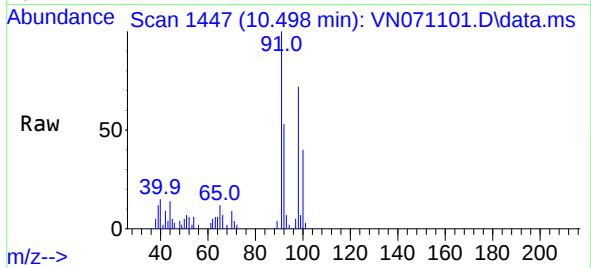




#52
Toluene
Concen: 0.344 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

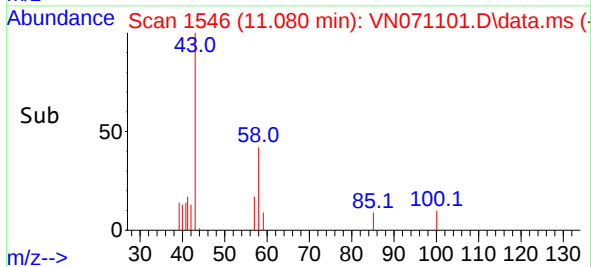
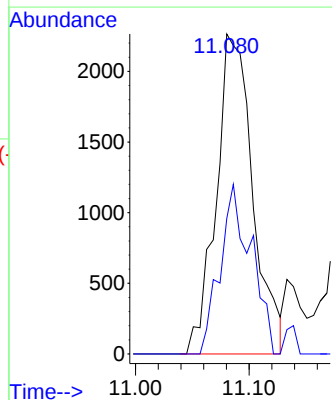
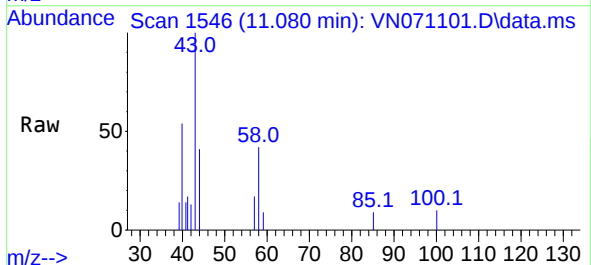
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

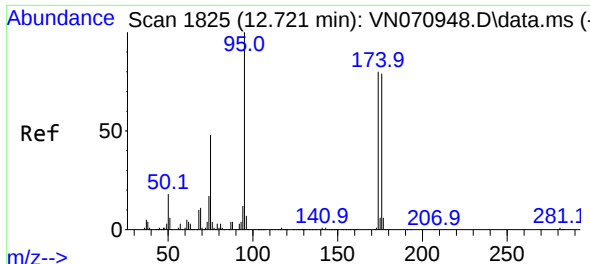
Tgt Ion: 92 Resp: 8336
Ion Ratio Lower Upper
92 100
91 184.7 142.0 213.0



#59
2-Hexanone
Concen: 0.550 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 43 Resp: 5072
Ion Ratio Lower Upper
43 100
58 45.1 26.9 80.7

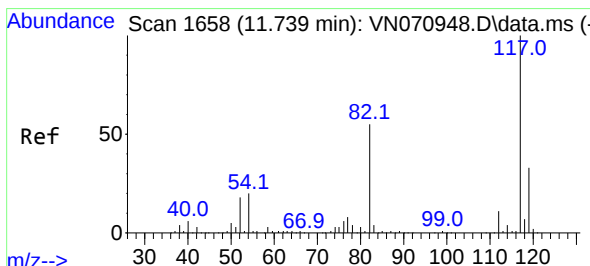
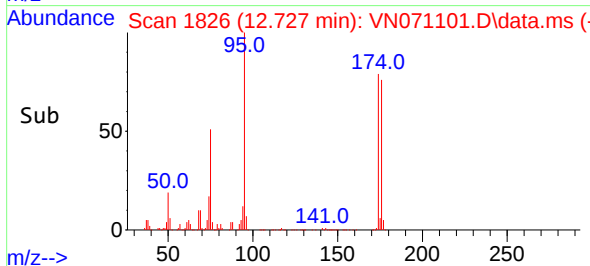
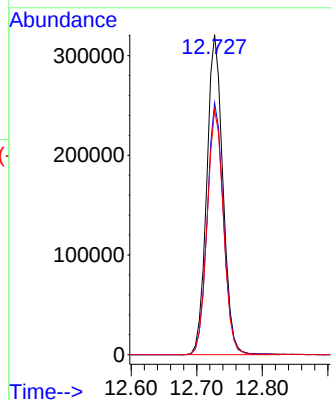
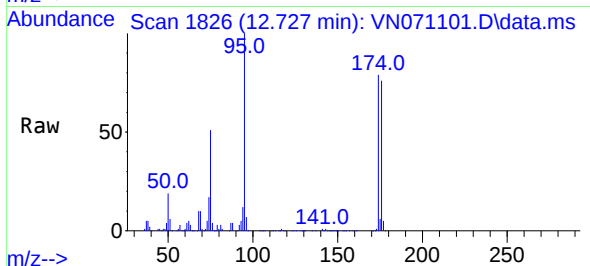




#62
4-Bromofluorobenzene
Concen: 48.062 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

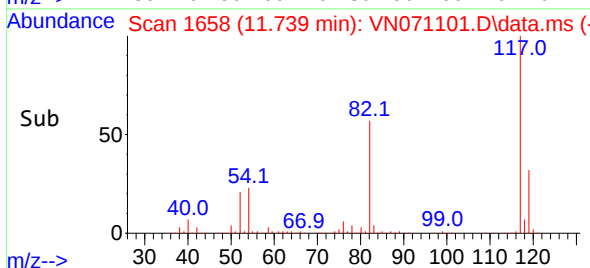
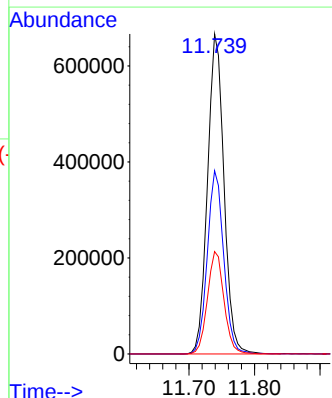
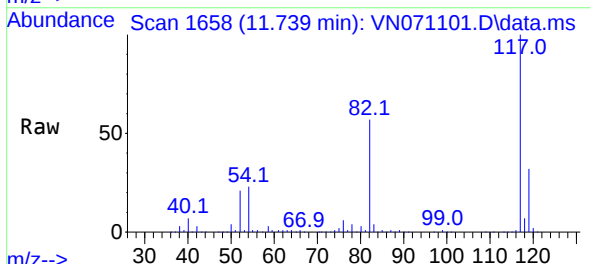
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

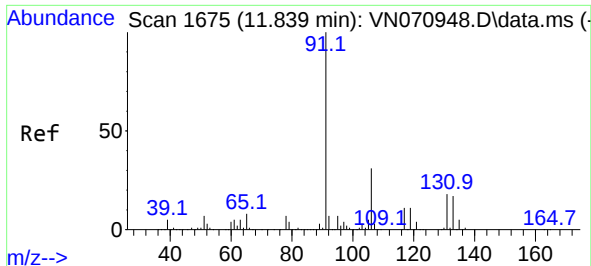
Tgt Ion: 95 Resp: 549023
Ion Ratio Lower Upper
95 100
174 79.8 0.0 187.2
176 77.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 117 Resp: 1163883
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 32.0 25.4 38.2

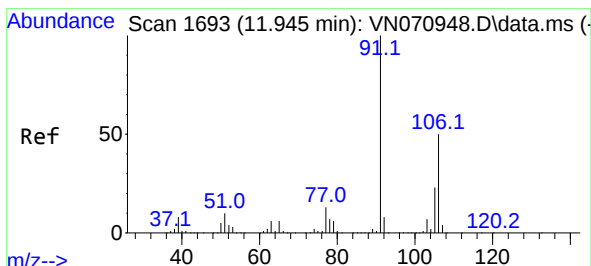
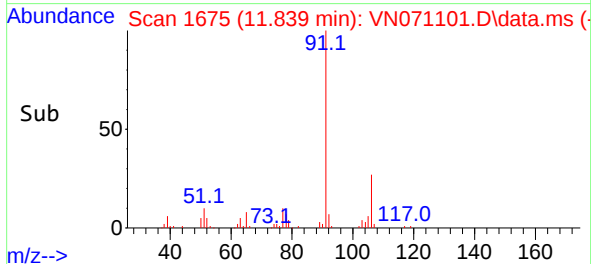
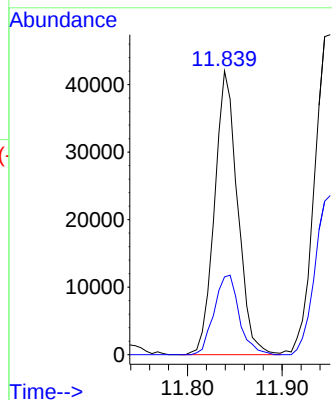
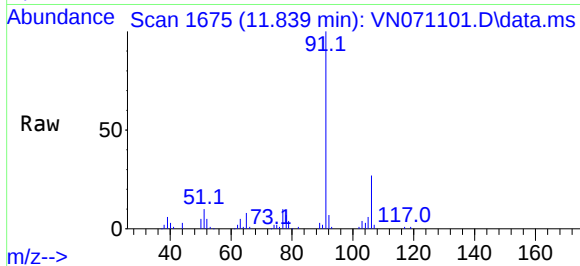




#67
Ethyl Benzene
Concen: 1.619 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

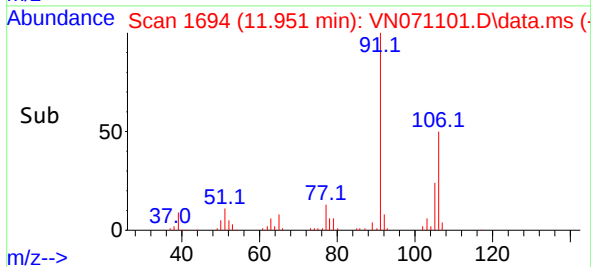
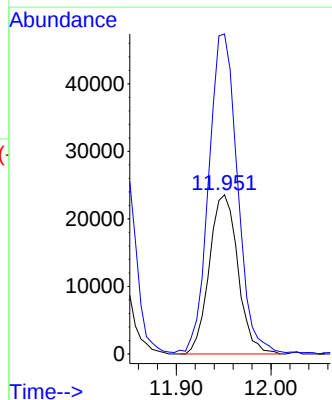
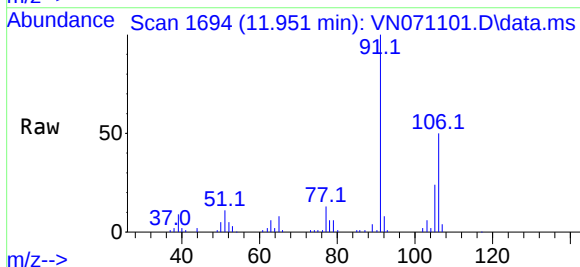
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

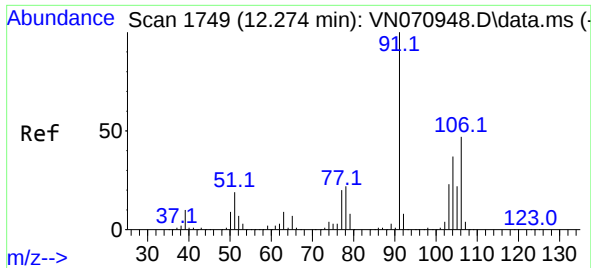
Tgt Ion: 91 Resp: 71058
Ion Ratio Lower Upper
91 100
106 27.4 25.7 38.5



#68
m/p-Xylenes
Concen: 2.920 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion:106 Resp: 49516
Ion Ratio Lower Upper
106 100
91 203.5 160.6 240.8

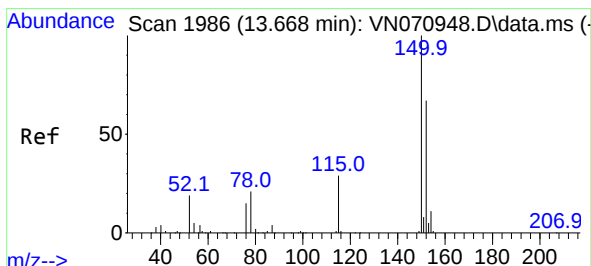
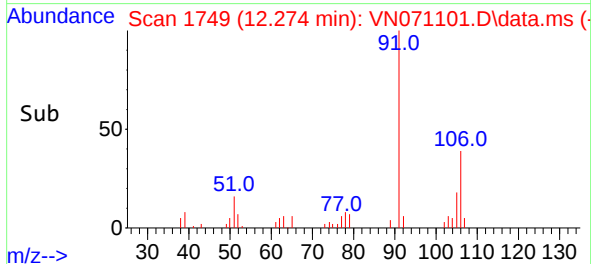
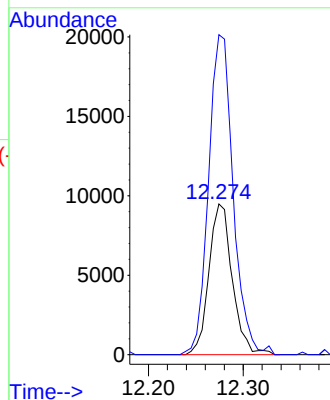
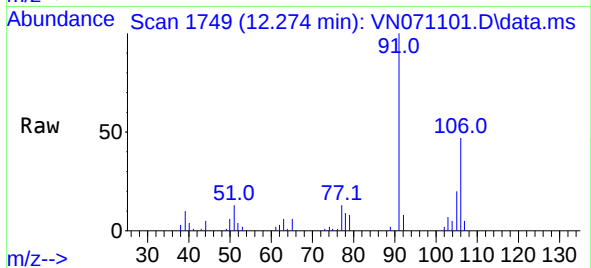




#69
o-Xylene
Concen: 0.980 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

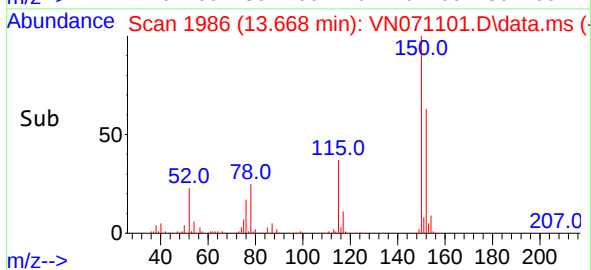
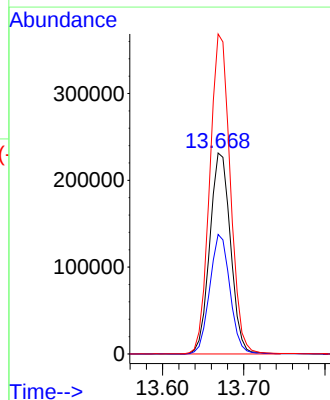
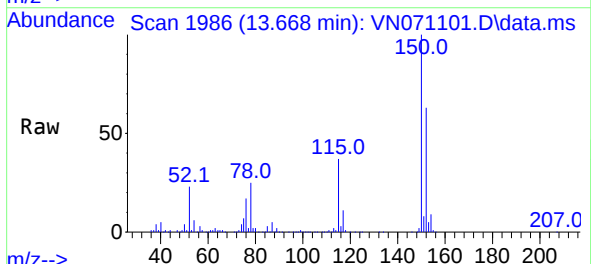
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

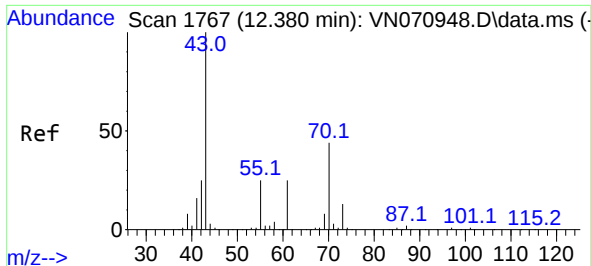
Tgt Ion:106 Resp: 16224
Ion Ratio Lower Upper
106 100
91 223.6 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion:152 Resp: 411560
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.5
150 157.7 0.0 344.4

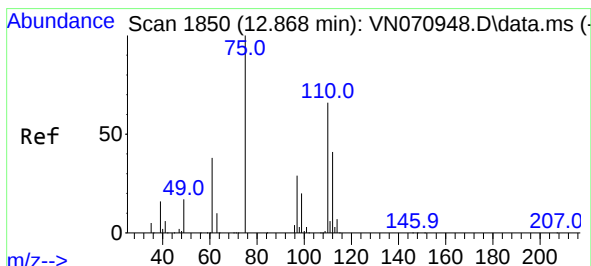
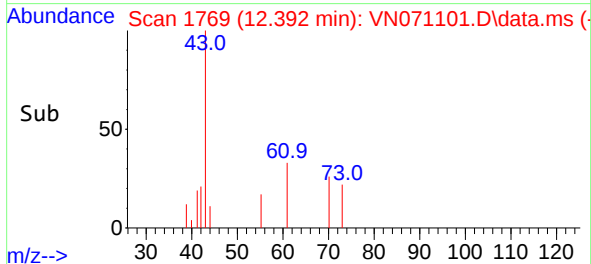
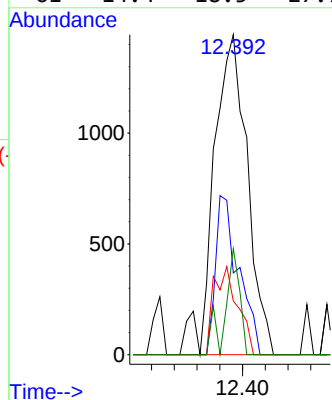
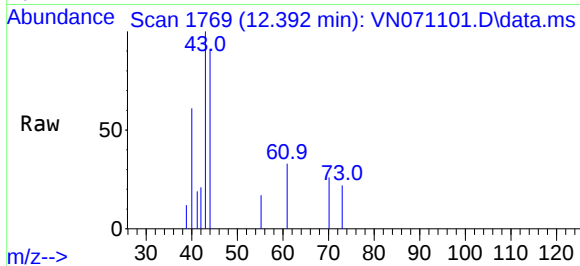




#74
N-amy1 acetate
Concen: 0.280 ug/l
RT: 12.392 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

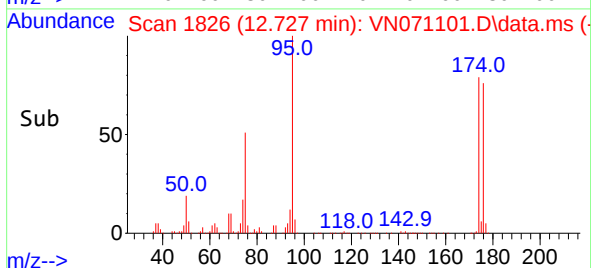
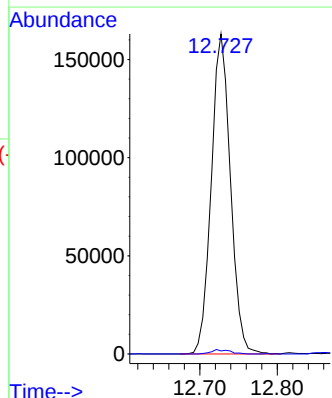
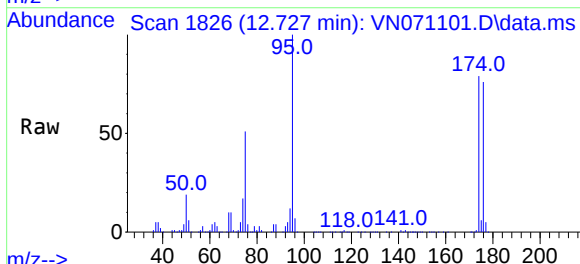
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

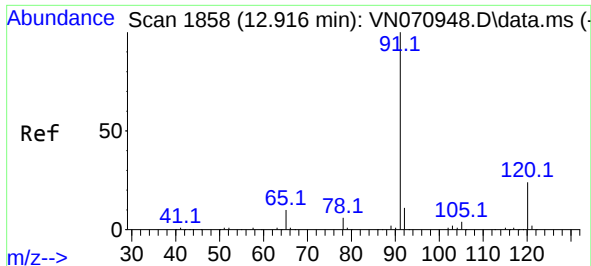
Tgt Ion:	43	Resp:	2960
Ion	Ratio	Lower	Upper
43	100		
70	34.1	33.4	50.0
55	19.6	19.3	28.9
61	14.4	18.5	27.7



#76
1,2,3-Trichloropropane
Concen: 28.880 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion:	75	Resp:	279858
Ion	Ratio	Lower	Upper
75	100		
77	1.3	82.6	247.8

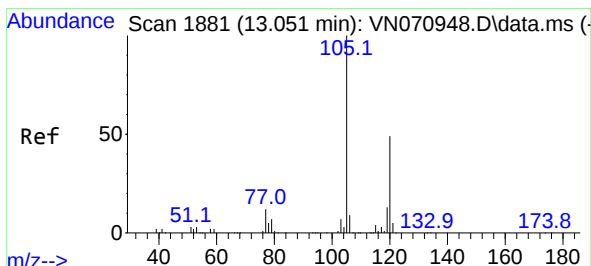
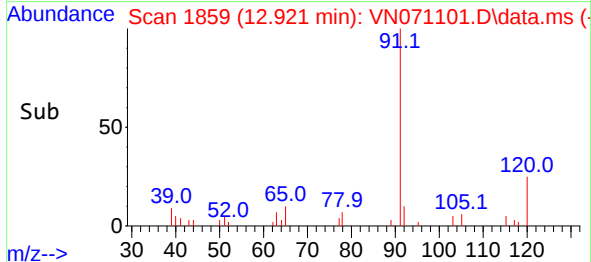
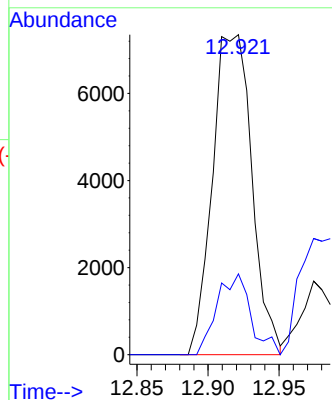
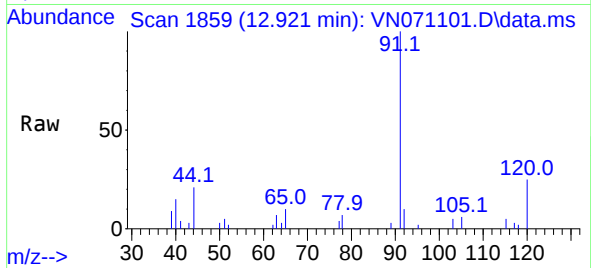




#78
n-propylbenzene
Concen: 0.381 ug/l
RT: 12.921 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

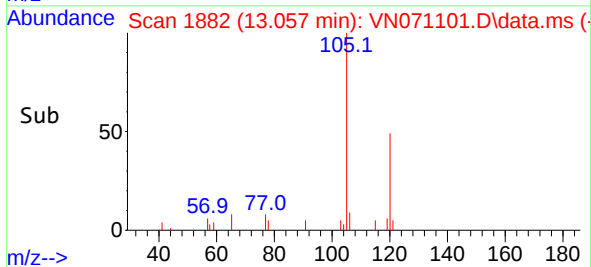
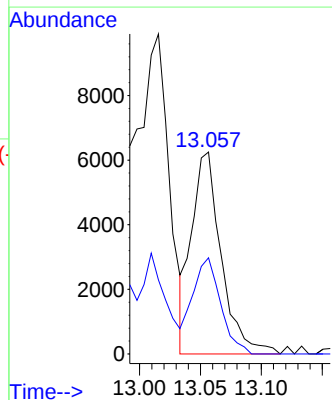
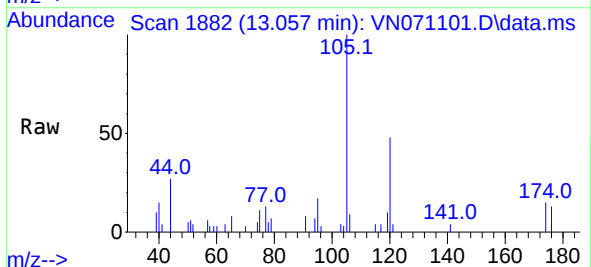
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

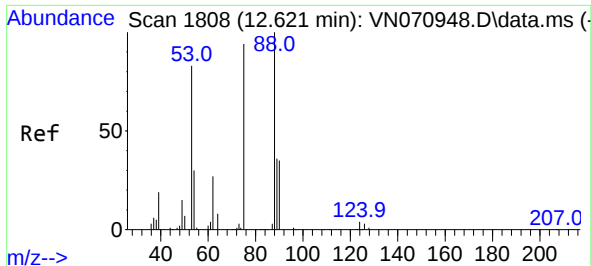
Tgt Ion: 91 Resp: 14187
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.395 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 105 Resp: 10610
Ion Ratio Lower Upper
105 100
120 45.2 24.6 73.6

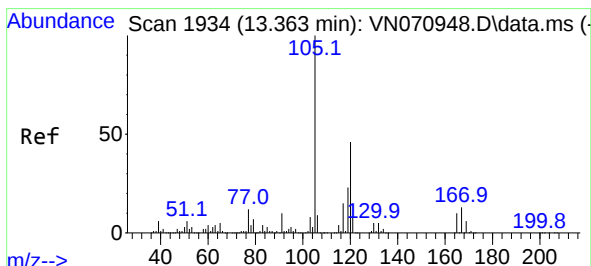
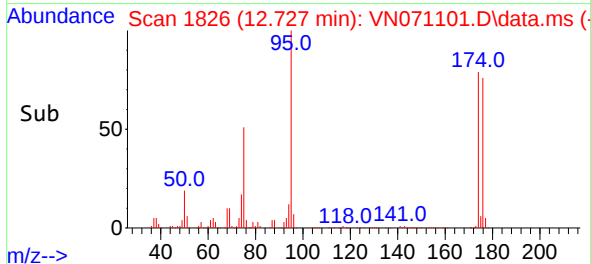
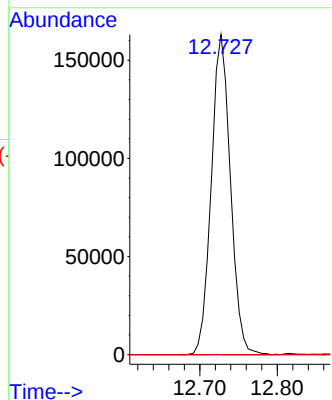
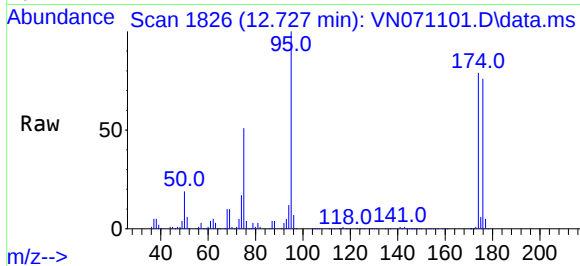




#81
trans-1,4-Dichloro-2-butene
Concen: 93.586 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

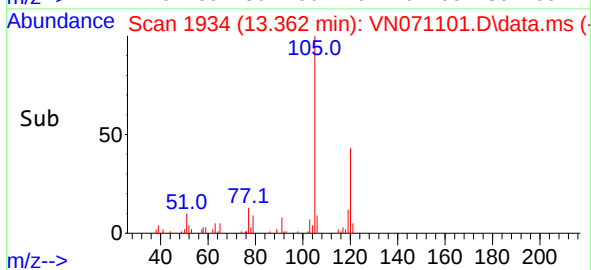
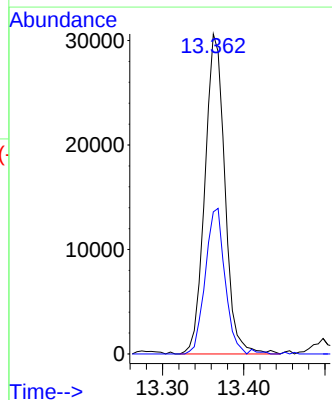
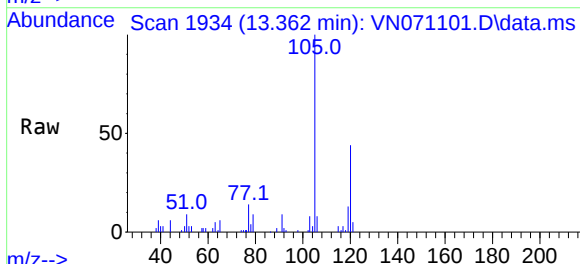
Instrument :
MSVOA_N
ClientSampleId :
DUP022222

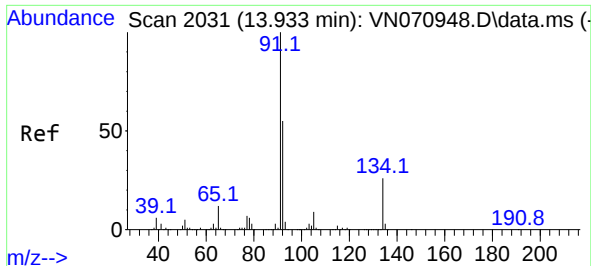
Tgt Ion: 75 Resp: 279858
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.980 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion: 105 Resp: 52317
Ion Ratio Lower Upper
105 100
120 44.6 22.8 68.4





#89

n-Butylbenzene

Concen: 0.232 ug/l

RT: 13.933 min Scan# 2031

Delta R.T. -0.000 min

Lab File: VN071101.D

Acq: 28 Feb 2022 17:56

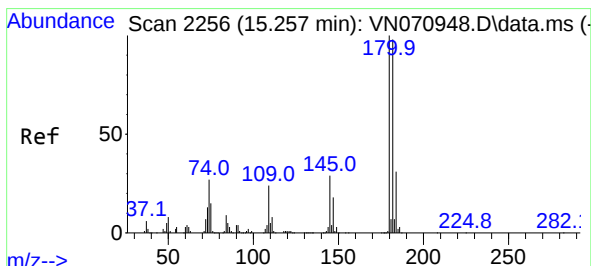
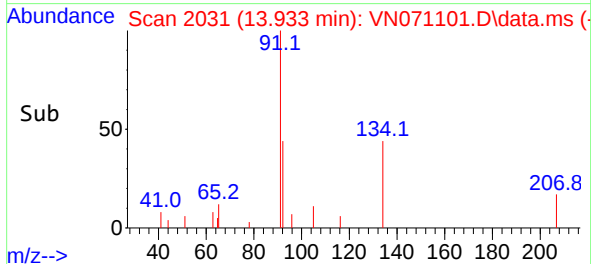
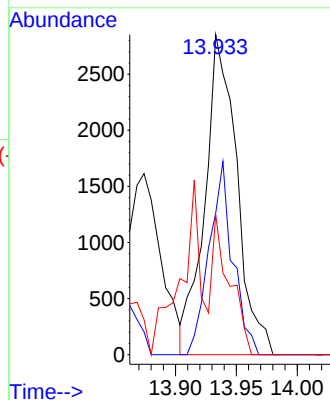
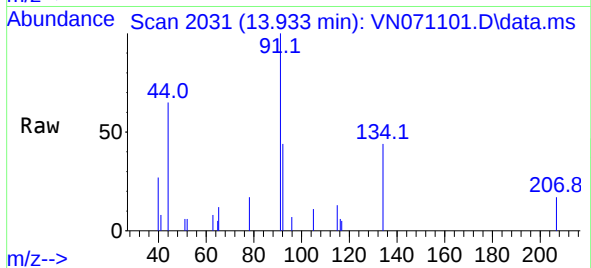
Instrument :

MSVOA_N

ClientSampleId :

DUP022222

Tgt Ion: 91	Resp:	5208
Ion	Ratio	Lower Upper
91	100	
92	44.7	25.4 76.0
134	23.3	13.6 40.8



#93

1,2,4-Trichlorobenzene

Concen: 2.368 ug/l

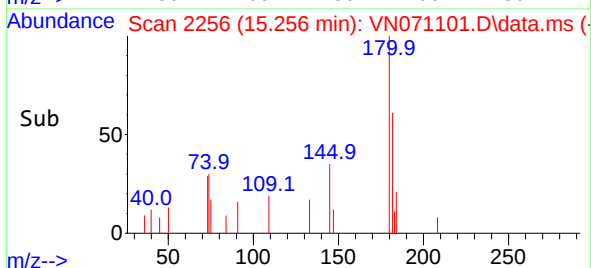
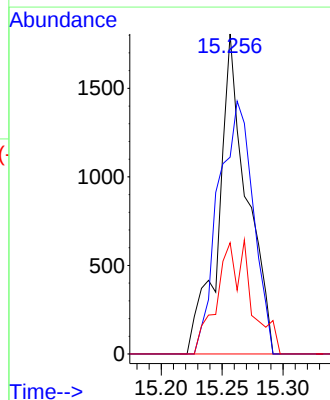
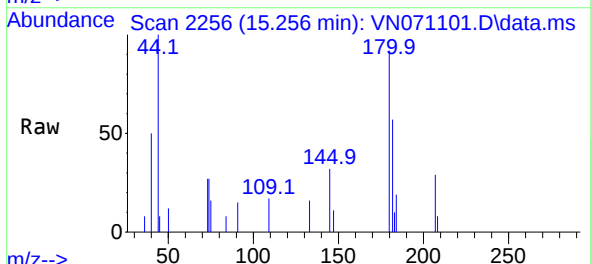
RT: 15.256 min Scan# 2256

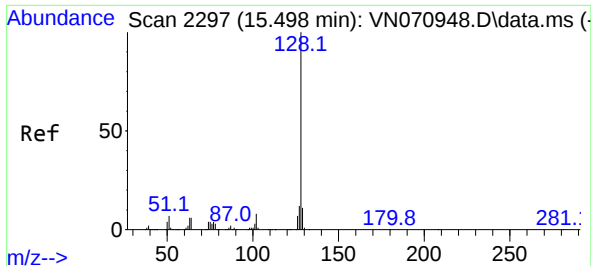
Delta R.T. -0.001 min

Lab File: VN071101.D

Acq: 28 Feb 2022 17:56

Tgt Ion: 180	Resp:	2915
Ion	Ratio	Lower Upper
180	100	
182	97.3	48.3 144.9
145	42.4	14.5 43.5

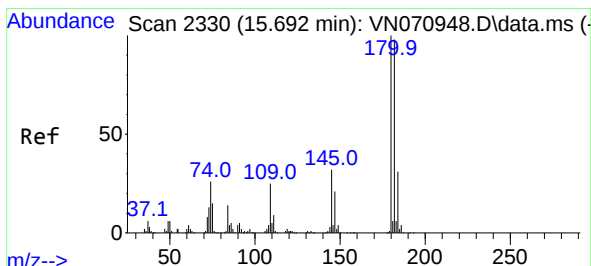
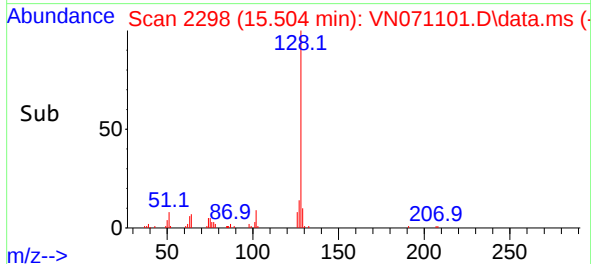
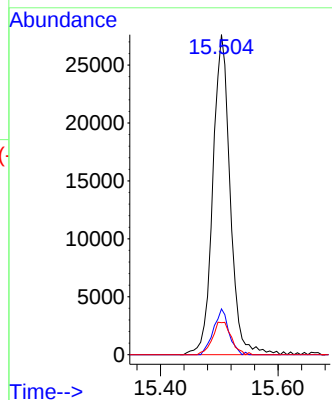
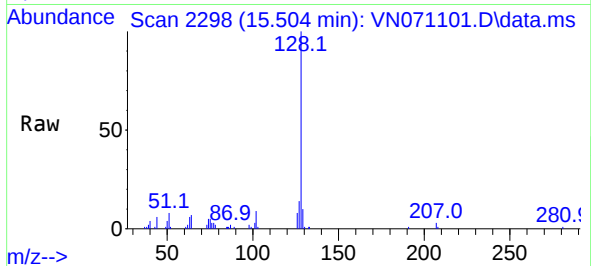




#95
Naphthalene
Concen: 7.759 ug/l
RT: 15.504 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Instrument :
MSVOA_N
ClientSampleId :
DUP022222

Tgt Ion:128 Resp: 56601
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.974 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071101.D
Acq: 28 Feb 2022 17:56

Tgt Ion:180 Resp: 3366
Ion Ratio Lower Upper
180 100
182 91.4 47.4 142.2
145 27.8 15.0 45.1

