

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012022\
 Data File : VN070711.D
 Acq On : 20 Jan 2022 10:36
 Operator : JC/MD
 Sample : VN0120MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120MBL01

Quant Time: Jan 21 02:10:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

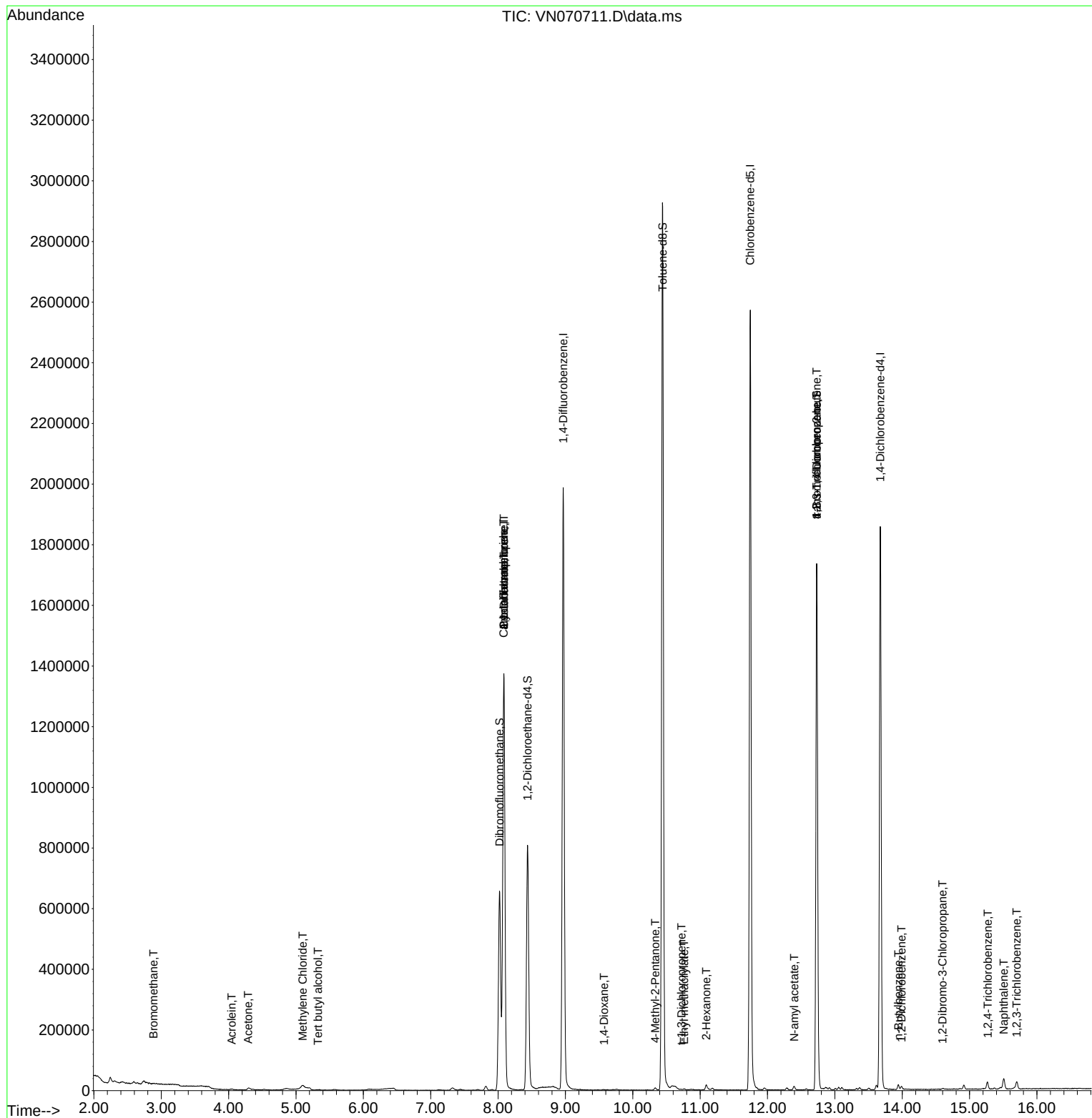
Internal Standards						
1) Pentafluorobenzene	8.086	168	1054989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1686588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1475901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	525544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	699446	46.261	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.520%		
35) Dibromofluoromethane	8.021	113	491008	46.933	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.860%		
50) Toluene-d8	10.443	98	2067503	46.910	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.820%		
62) 4-Bromofluorobenzene	12.731	95	662039	42.154	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.300%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.885	94	1983	0.225	ug/l #	68
11) Tert butyl alcohol	5.329	59	1133	0.415	ug/l #	71
13) Acrolein	4.044	56	1757	0.449	ug/l	96
16) Acetone	4.291	43	8179	0.779	ug/l	99
20) Methylene Chloride	5.098	84	7157	0.518	ug/l	94
31) Cyclohexane	8.086	56	24756	0.930	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	86234	4.896	ug/l #	48
38) Carbon Tetrachloride	8.083	117	105138	6.710	ug/l #	16
49) 1,4-Dioxane	9.572	88	179	0.700	ug/l #	49
51) 4-Methyl-2-Pentanone	10.333	43	6212	0.273	ug/l	97
53) t-1,3-Dichloropropene	10.722	75	276	2.416	ug/l #	58
56) Ethyl methacrylate	10.760	69	1598	2.364	ug/l #	67
59) 2-Hexanone	11.092	43	15034	0.908	ug/l	92
74) N-amyl acetate	12.396	43	8970	0.441	ug/l	93
76) 1,2,3-Trichloropropane	12.731	75	345553	24.791	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	345553	73.856	ug/l #	5
89) n-Butylbenzene	13.943	91	9878	0.320	ug/l	95
91) 1,2-Dichlorobenzene	13.989	146	4209	0.230	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.600	75	1205	0.423	ug/l	64
93) 1,2,4-Trichlorobenzene	15.271	180	7498	4.145	ug/l	94
95) Naphthalene	15.507	128	32825	6.034	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	10380	4.262	ug/l	98

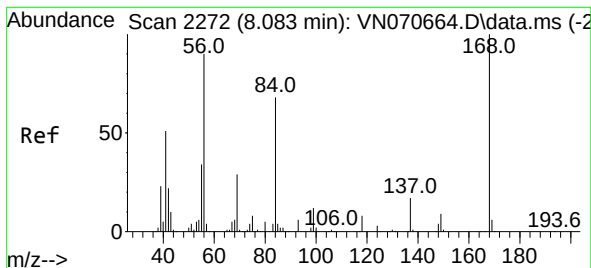
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070711.D

Acq: 20 Jan 2022 10:36

Instrument :

MSVOA_N

ClientSampleId :

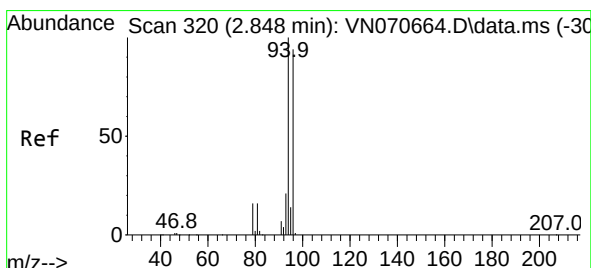
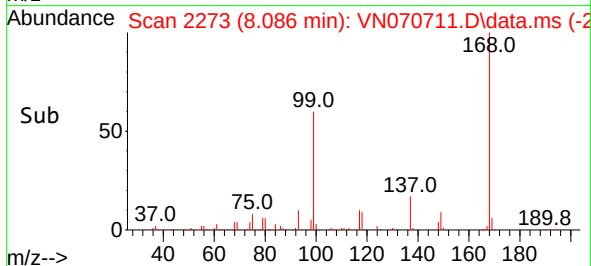
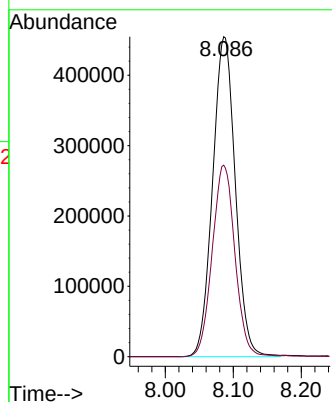
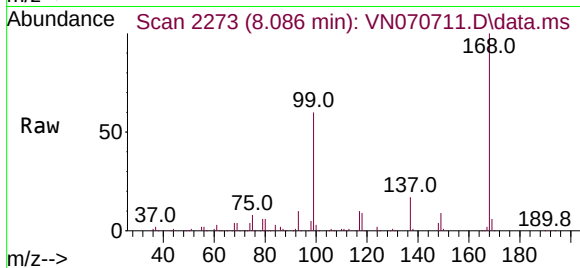
VN0120MBL01

Tgt Ion:168 Resp: 1054989

Ion Ratio Lower Upper

168 100

99 59.8 41.3 61.9



#5

Bromomethane

Concen: 0.225 ug/l

RT: 2.885 min Scan# 334

Delta R.T. 0.037 min

Lab File: VN070711.D

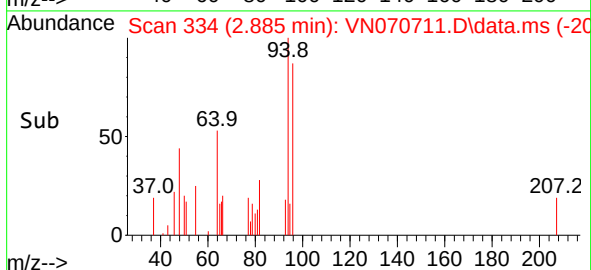
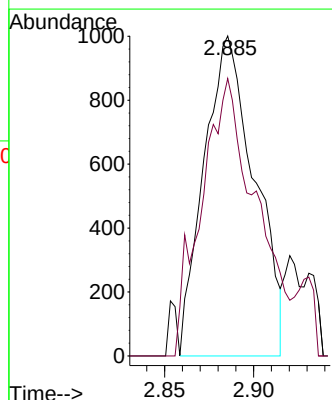
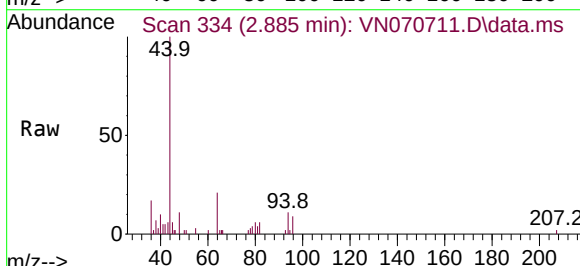
Acq: 20 Jan 2022 10:36

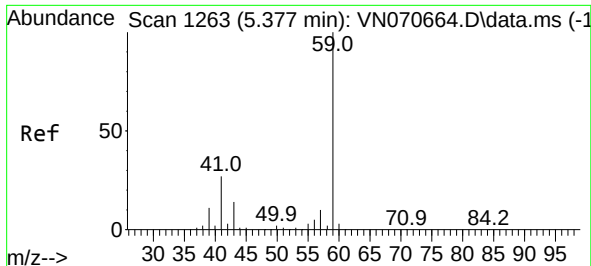
Tgt Ion: 94 Resp: 1983

Ion Ratio Lower Upper

94 100

96 61.6 73.8 110.8#





#11

Tert butyl alcohol

Concen: 0.415 ug/l

RT: 5.329 min Scan# 11

Delta R.T. -0.048 min

Lab File: VN070711.D

Acq: 20 Jan 2022 10:36

Instrument :

MSVOA_N

ClientSampleId :

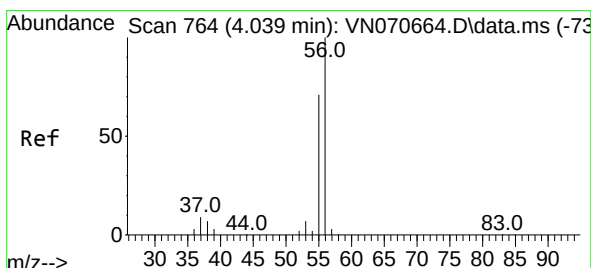
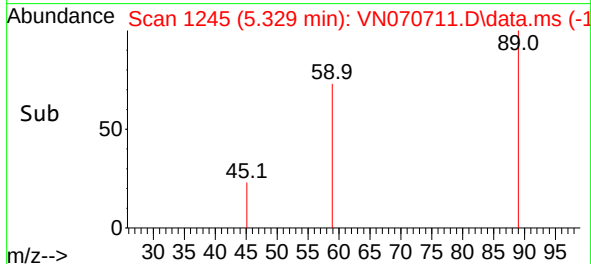
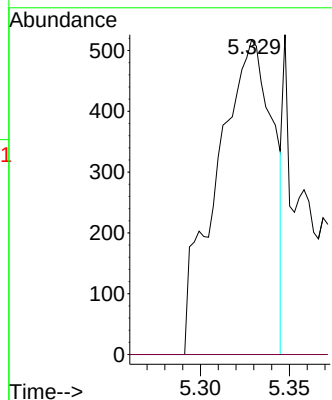
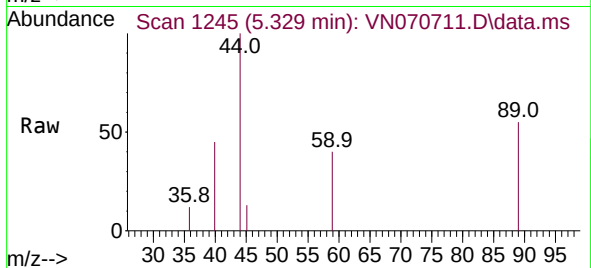
VN0120MBL01

Tgt Ion: 59 Resp: 1133

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.449 ug/l

RT: 4.044 min Scan# 766

Delta R.T. 0.005 min

Lab File: VN070711.D

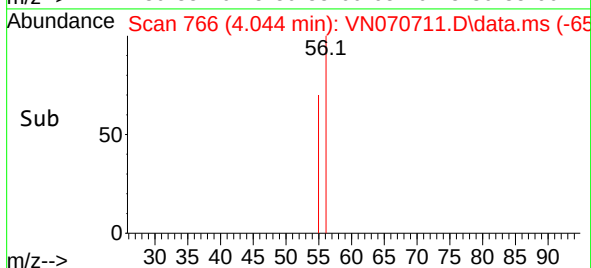
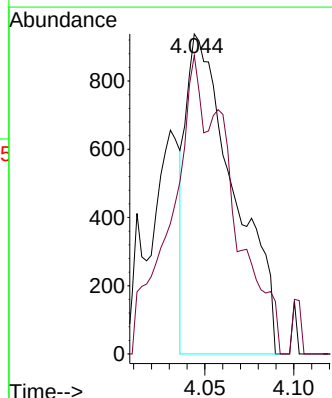
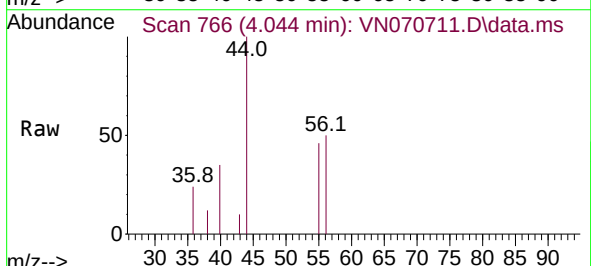
Acq: 20 Jan 2022 10:36

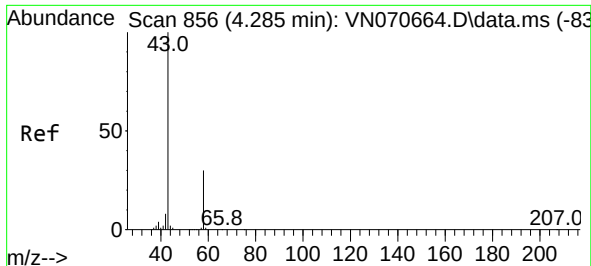
Tgt Ion: 56 Resp: 1757

Ion Ratio Lower Upper

56 100

55 67.8 56.6 85.0

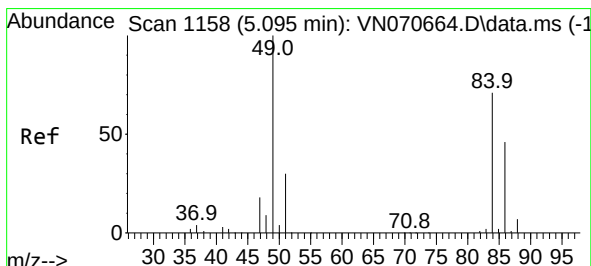
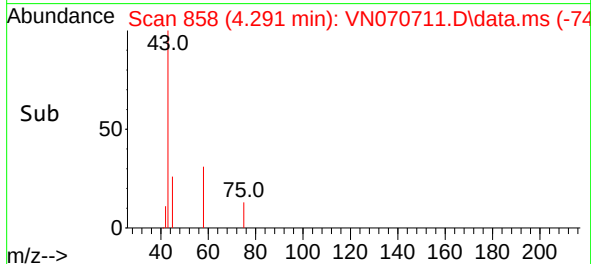
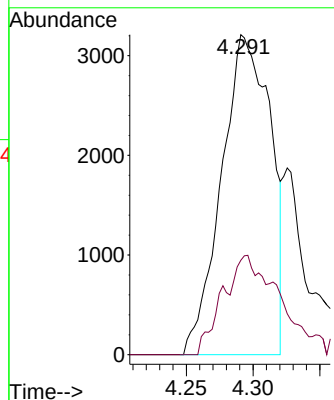
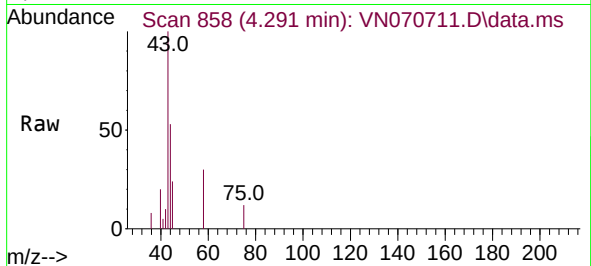




#16
Acetone
Concen: 0.779 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

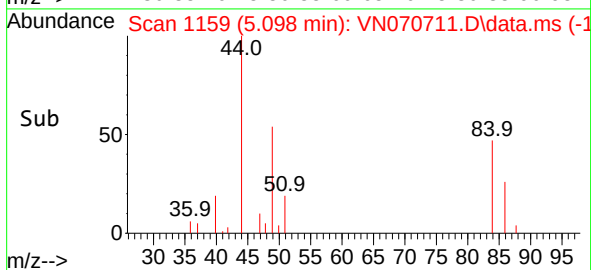
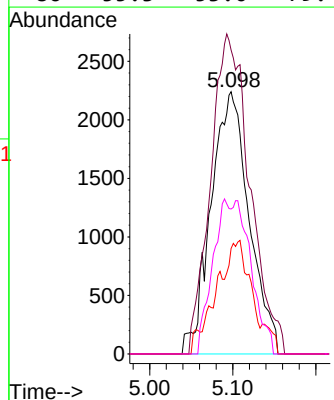
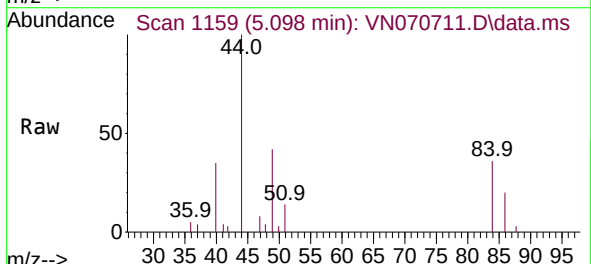
Instrument :
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VN0120MBL01

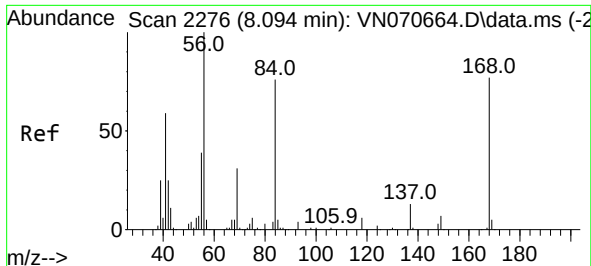
Tgt Ion: 43 Resp: 8179
Ion Ratio Lower Upper
43 100
58 29.5 23.1 34.7



#20
Methylene Chloride
Concen: 0.518 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 84 Resp: 7157
Ion Ratio Lower Upper
84 100
49 115.9 93.5 140.3
51 40.2 29.4 44.2
86 55.3 53.0 79.4

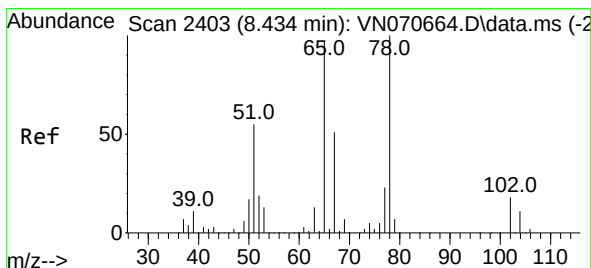
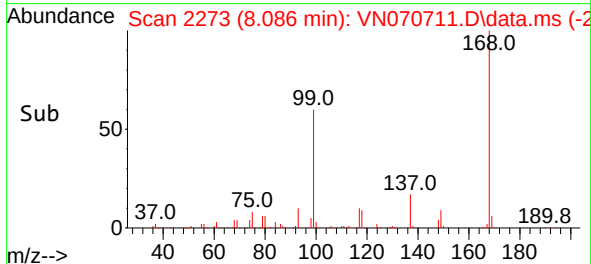
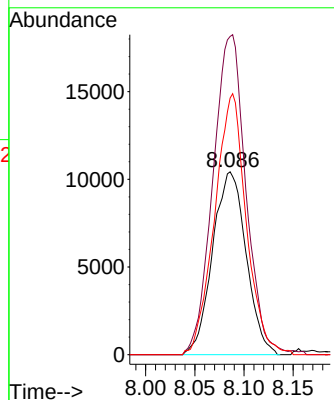
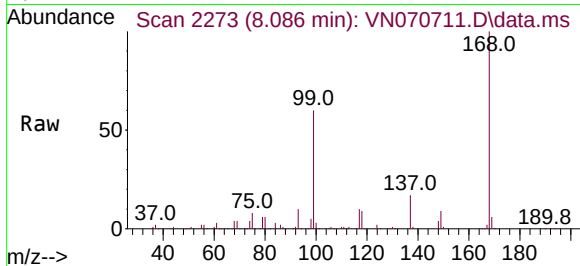




#31
Cyclohexane
Concen: 0.930 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

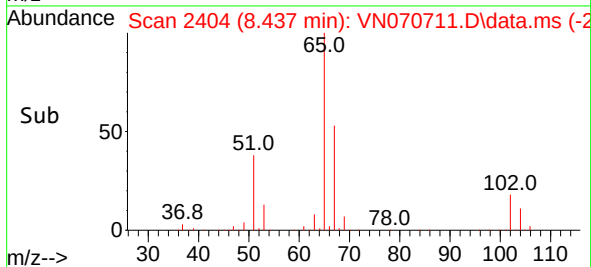
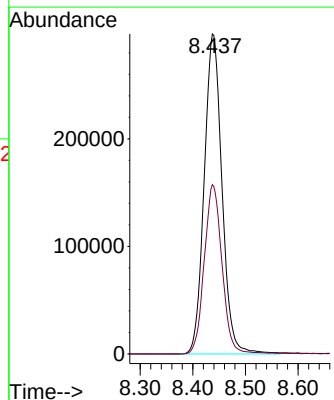
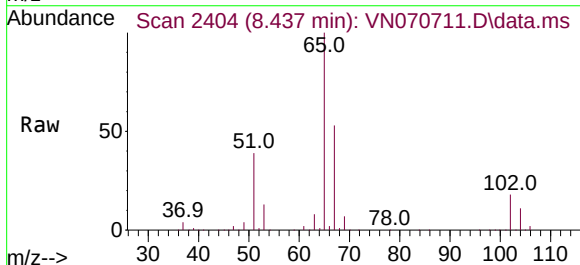
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

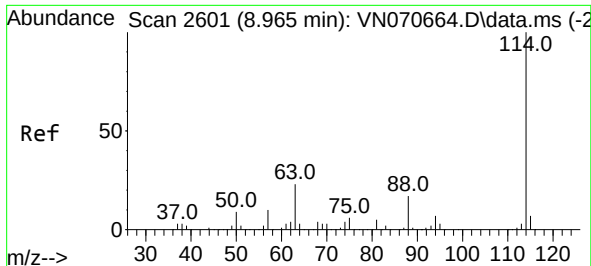
Tgt Ion: 56 Resp: 24756
Ion Ratio Lower Upper
56 100
69 174.0 27.1 40.7#
84 140.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.261 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 65 Resp: 699446
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0

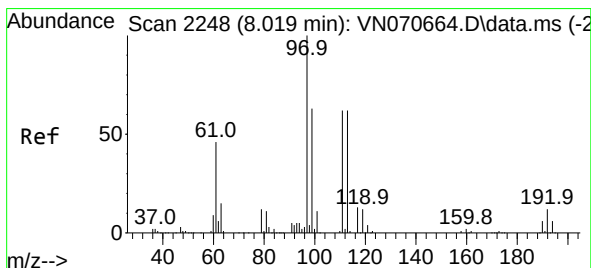
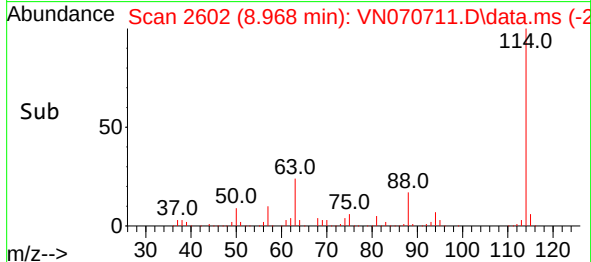
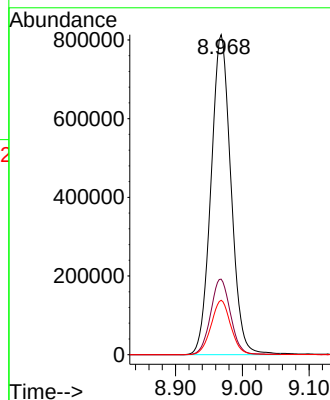
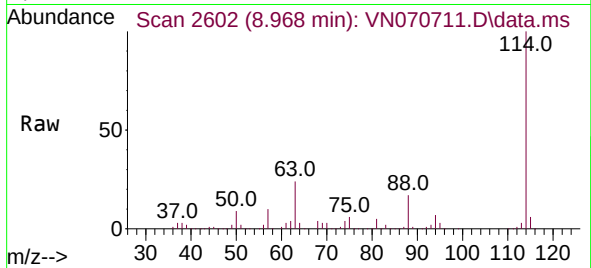




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

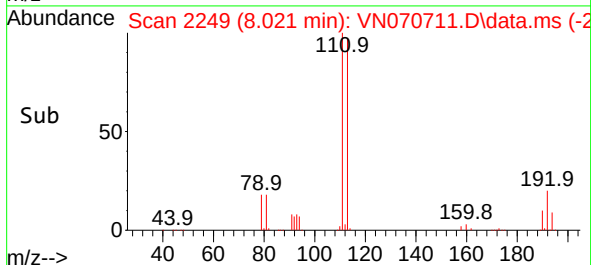
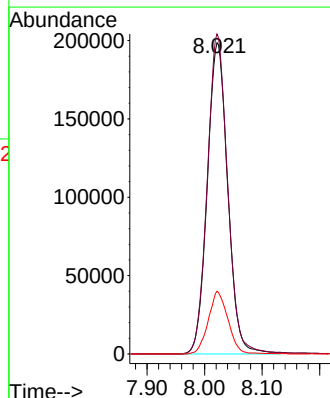
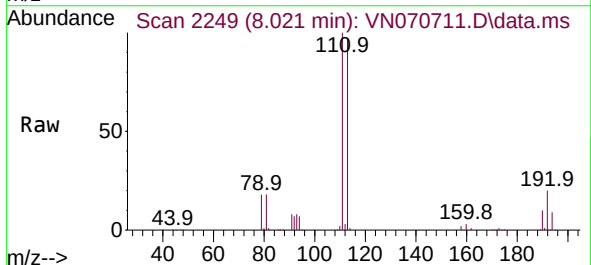
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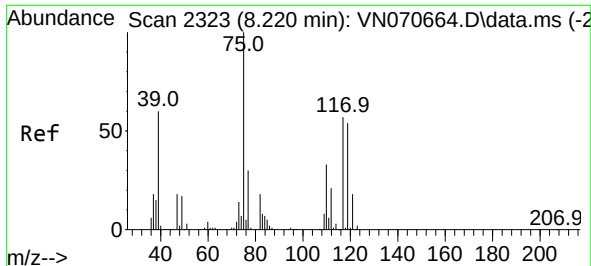
Tgt Ion:114 Resp: 1686588
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 17.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.933 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion:113 Resp: 491008
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.4 16.9 25.3

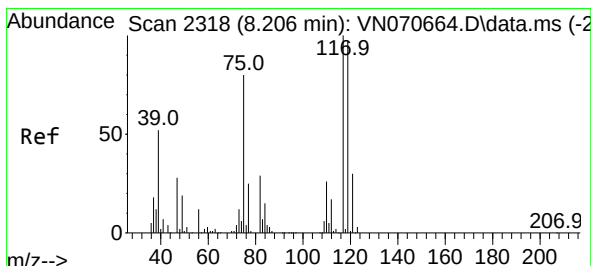
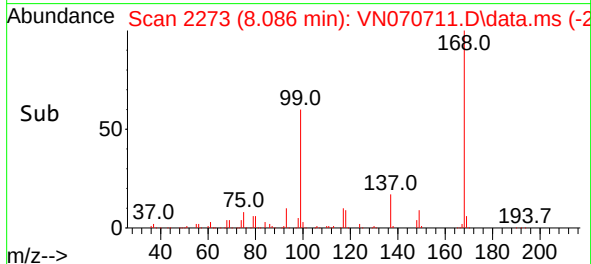
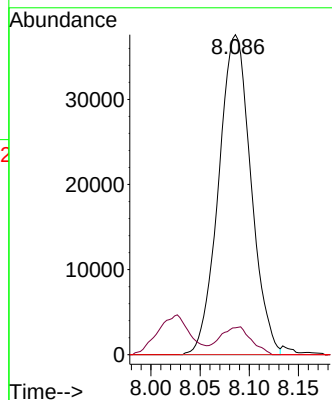
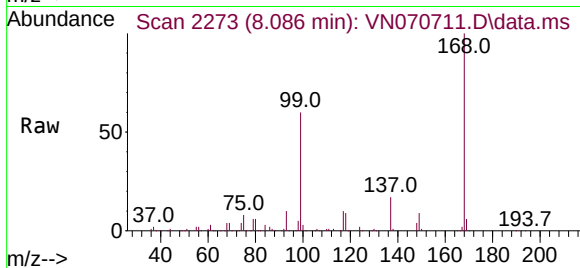




#36
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.134 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

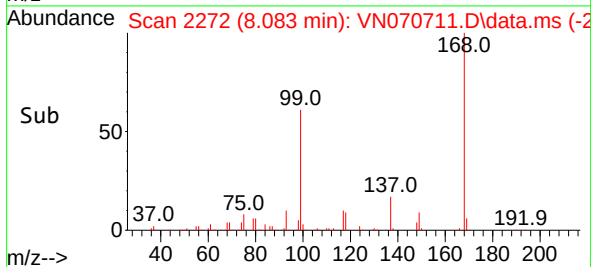
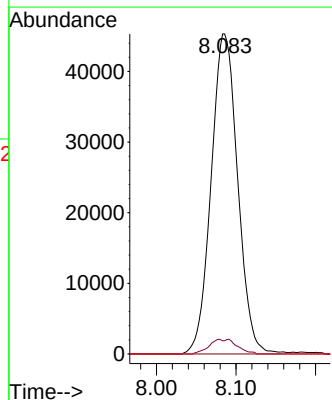
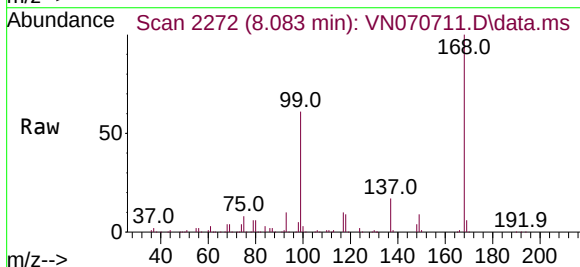
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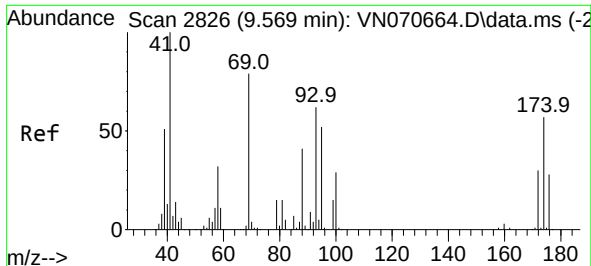
Tgt Ion: 75 Resp: 86234
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.710 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 117 Resp: 105138
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.700 ug/l

RT: 9.572 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070711.D

Acq: 20 Jan 2022 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBL01

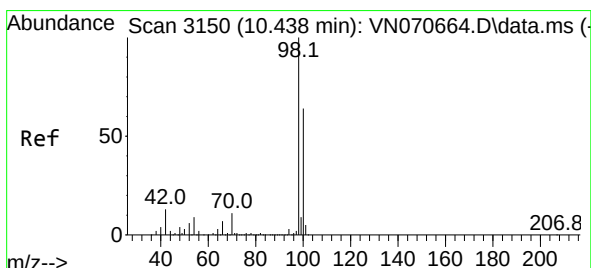
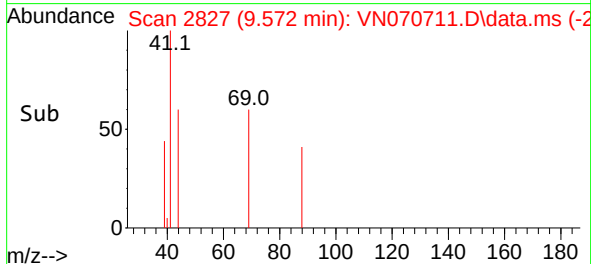
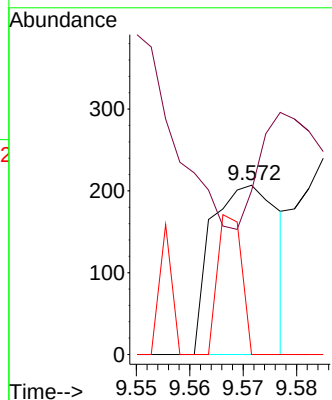
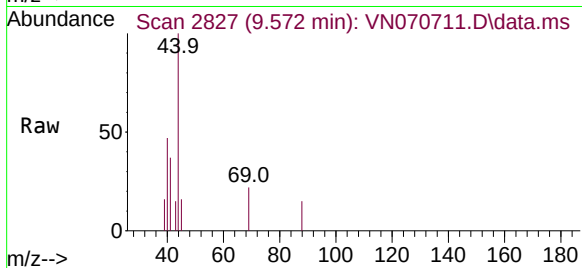
Tgt Ion: 88 Resp: 179

Ion Ratio Lower Upper

88 100

43 67.0 23.4 35.2#

58 30.2 50.6 75.8#



#50

Toluene-d8

Concen: 46.910 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.005 min

Lab File: VN070711.D

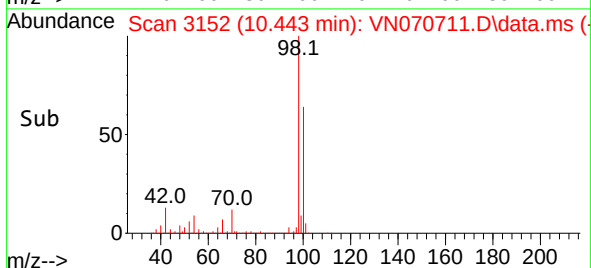
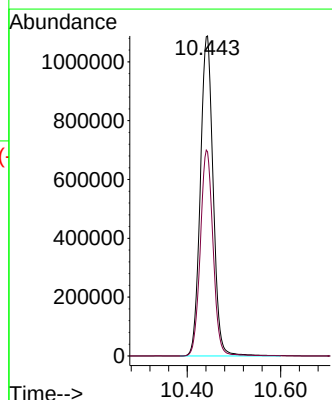
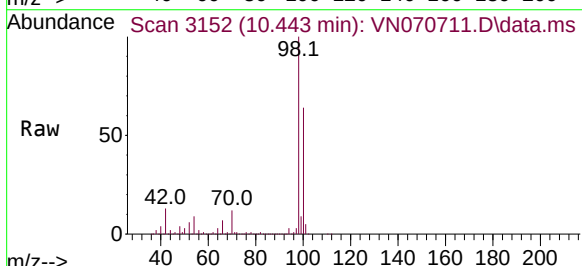
Acq: 20 Jan 2022 10:36

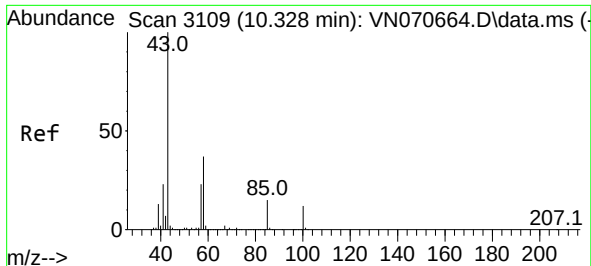
Tgt Ion: 98 Resp: 2067503

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.273 ug/l

RT: 10.333 min Scan# 3111

Delta R.T. 0.005 min

Lab File: VN070711.D

Acq: 20 Jan 2022 10:36

Instrument :

MSVOA_N

ClientSampleId :

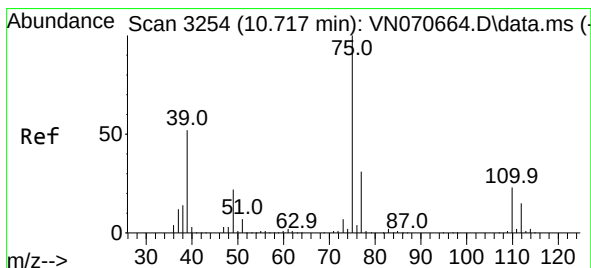
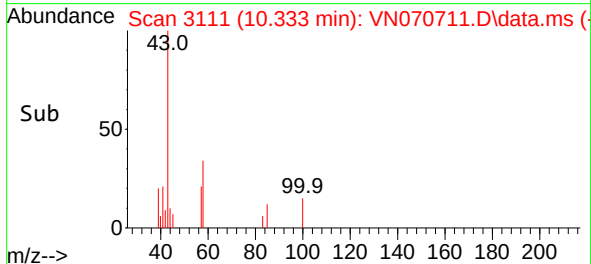
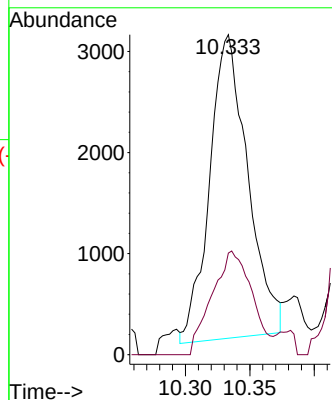
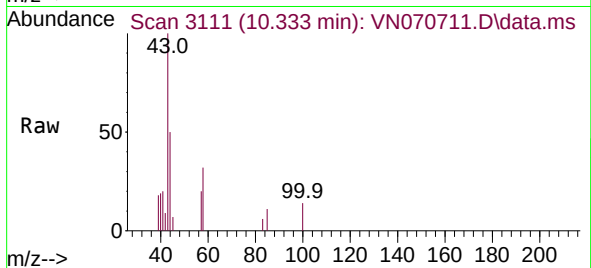
VN0120MBL01

Tgt Ion: 43 Resp: 6212

Ion Ratio Lower Upper

43 100

58 35.9 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.416 ug/l

RT: 10.722 min Scan# 3256

Delta R.T. 0.005 min

Lab File: VN070711.D

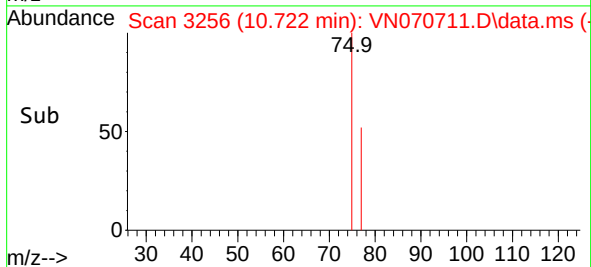
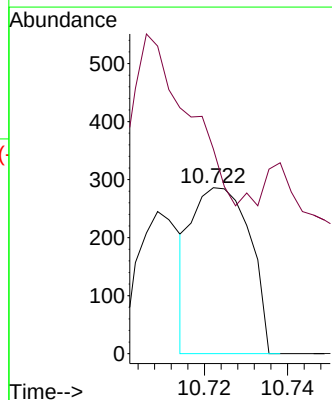
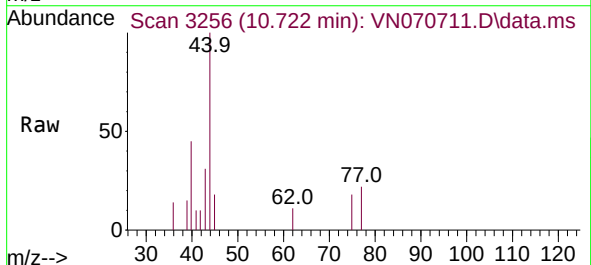
Acq: 20 Jan 2022 10:36

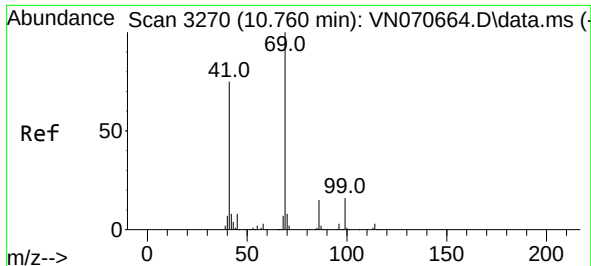
Tgt Ion: 75 Resp: 276

Ion Ratio Lower Upper

75 100

77 8.4 25.6 38.4#

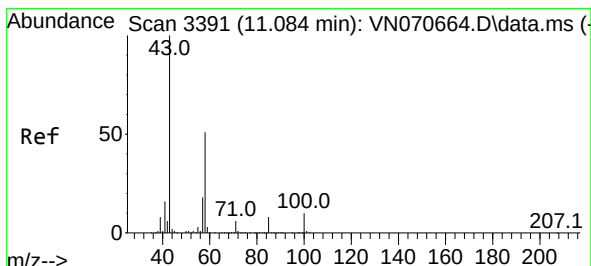
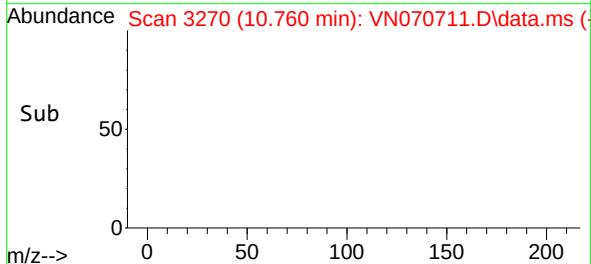
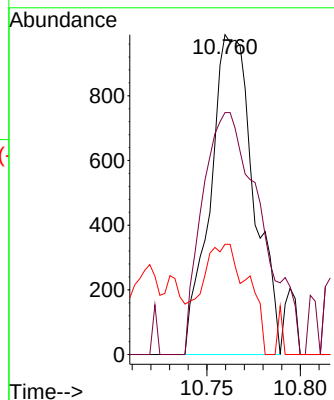
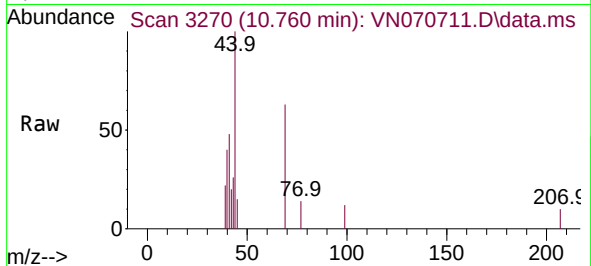




#56
Ethyl methacrylate
Concen: 2.364 ug/l
RT: 10.760 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

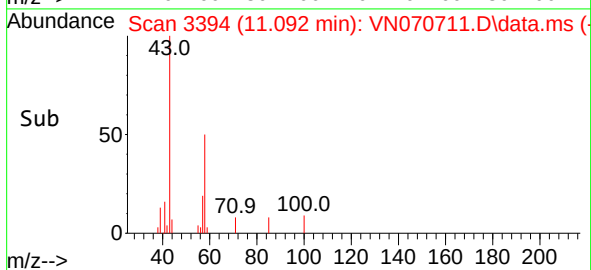
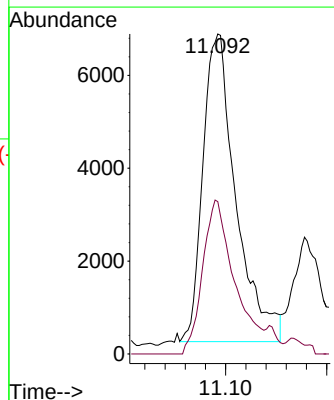
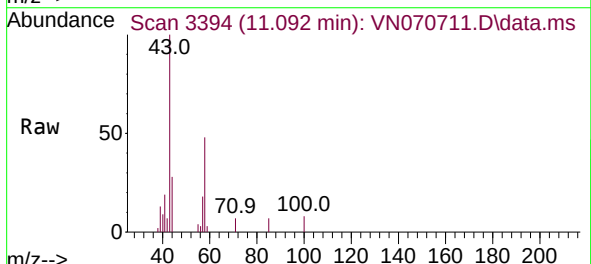
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MSVOA_N
ClientSampleId :
VN0120MBL01

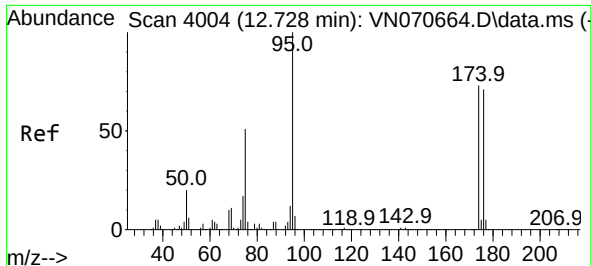
Tgt Ion: 69 Resp: 1598
Ion Ratio Lower Upper
69 100
41 102.1 51.4 77.0#
39 35.9 34.6 52.0



#59
2-Hexanone
Concen: 0.908 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.008 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 43 Resp: 15034
Ion Ratio Lower Upper
43 100
58 48.4 26.9 80.7

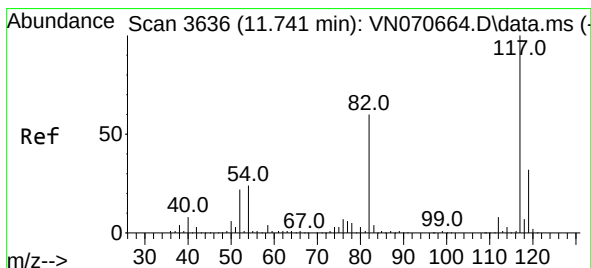
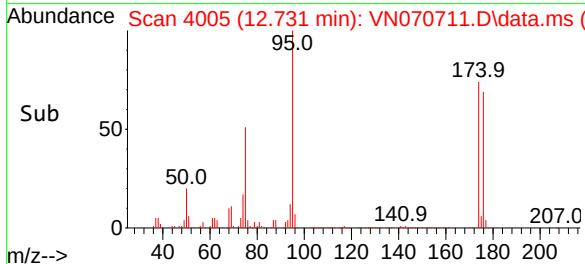
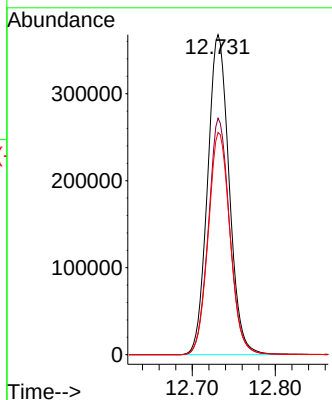
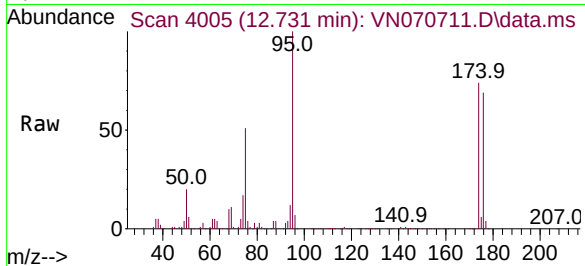




#62
4-Bromofluorobenzene
Concen: 42.154 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

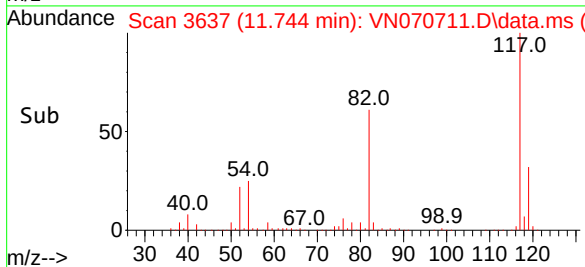
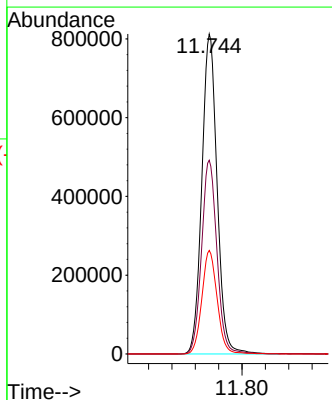
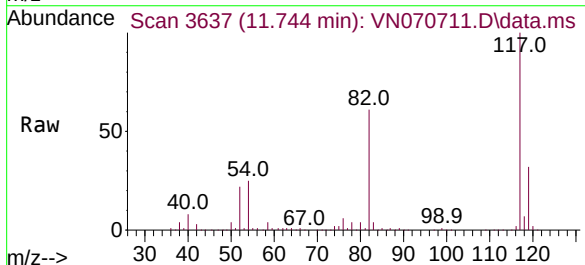
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

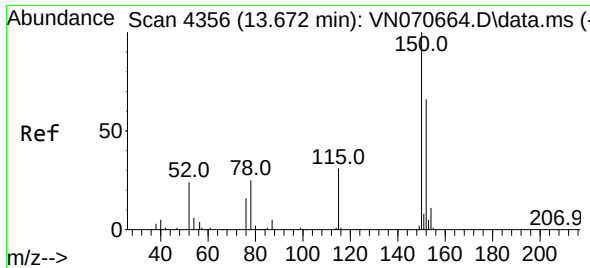
Tgt Ion: 95 Resp: 662039
Ion Ratio Lower Upper
95 100
174 73.2 0.0 187.2
176 70.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 117 Resp: 1475901
Ion Ratio Lower Upper
117 100
82 60.5 42.4 63.6
119 32.3 25.4 38.2

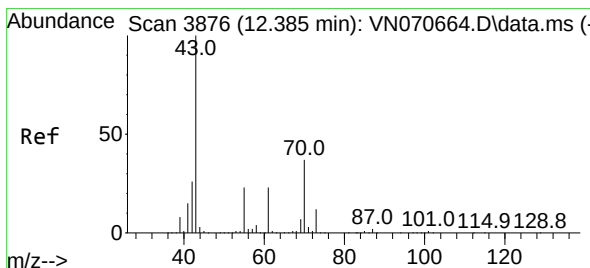
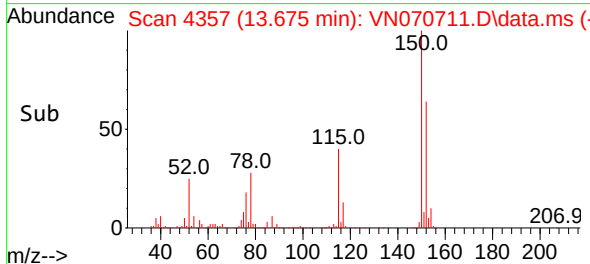
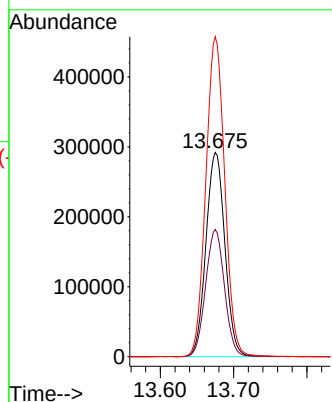
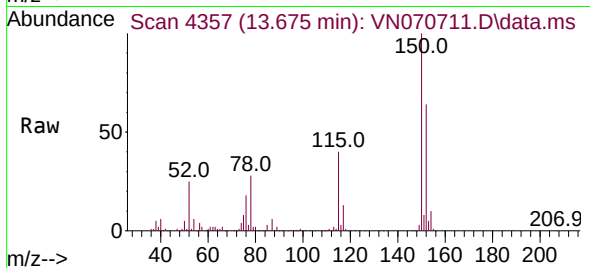




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

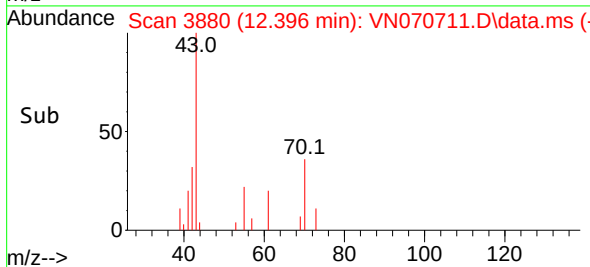
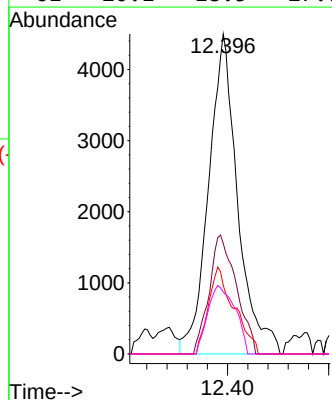
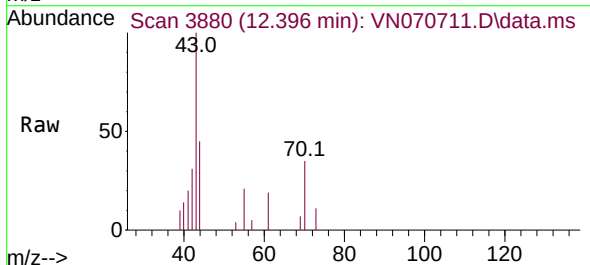
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

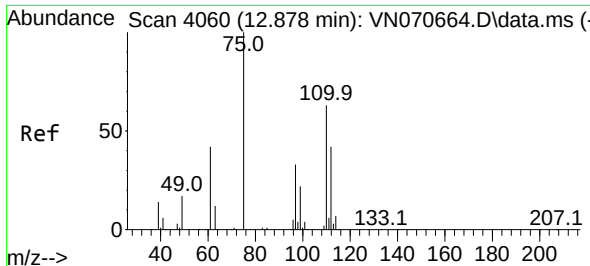
Tgt Ion:152 Resp: 525544
Ion Ratio Lower Upper
152 100
115 62.0 27.5 82.5
150 155.7 0.0 344.4



#74
N-ethyl acetate
Concen: 0.441 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.011 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 43 Resp: 8970
Ion Ratio Lower Upper
43 100
70 34.9 33.4 50.0
55 24.1 19.3 28.9
61 20.1 18.5 27.7

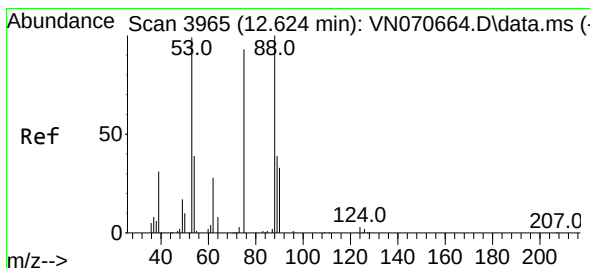
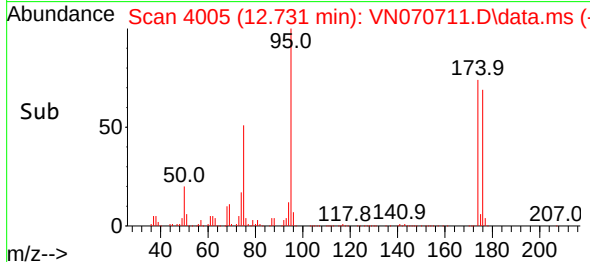
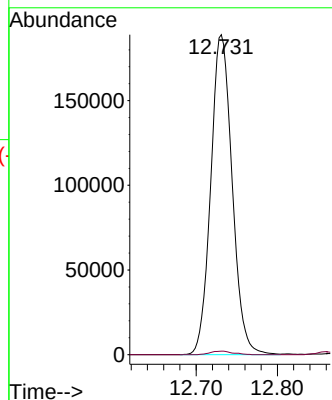
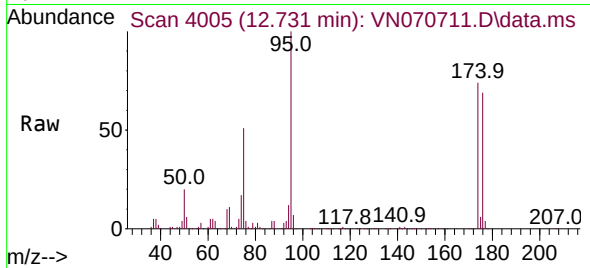




#76
1,2,3-Trichloropropane
Concen: 24.791 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

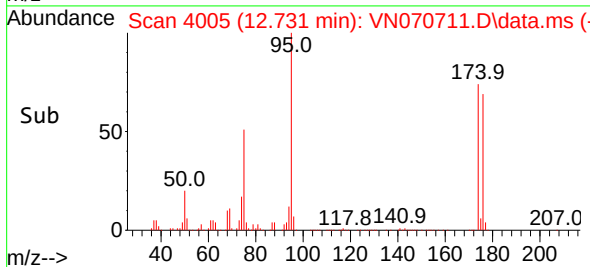
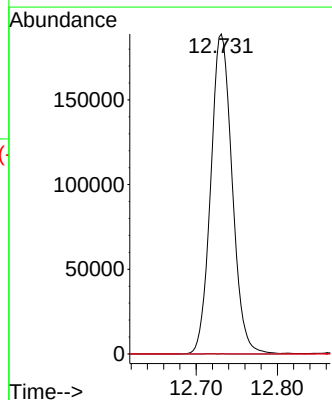
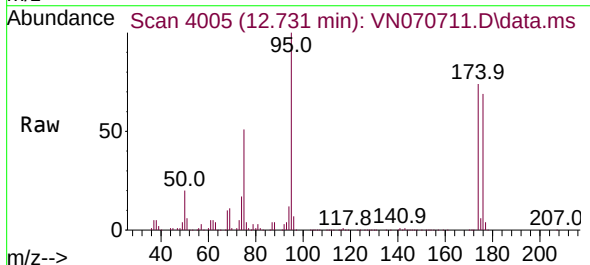
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

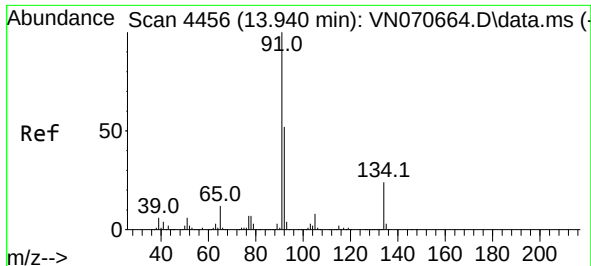
Tgt Ion: 75 Resp: 345553
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.856 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 75 Resp: 345553
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

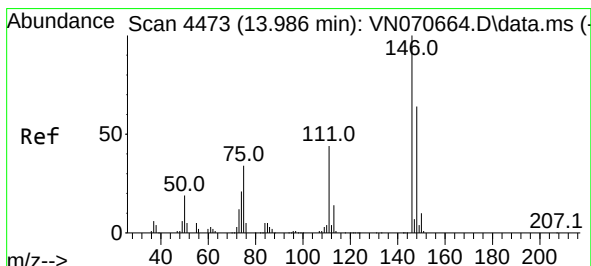
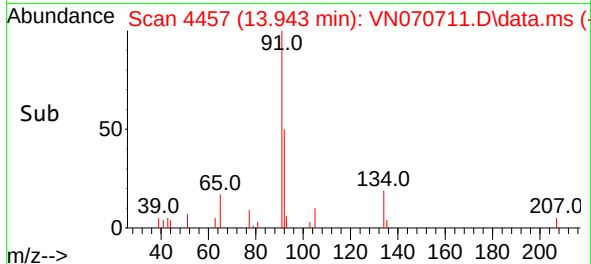
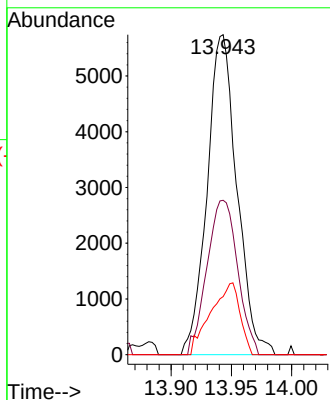
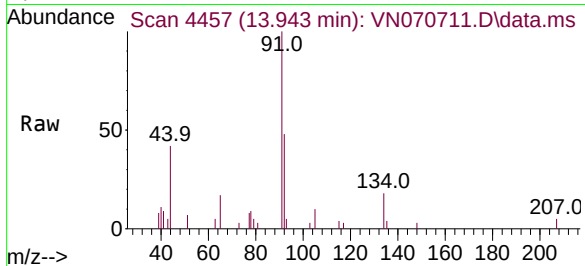




#89
n-Butylbenzene
Concen: 0.320 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

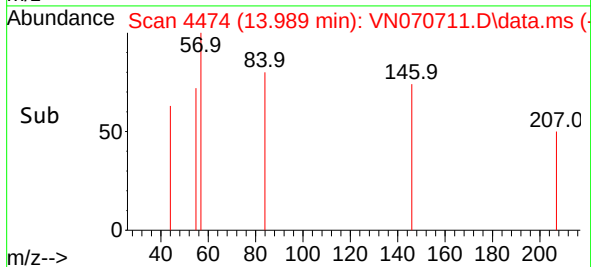
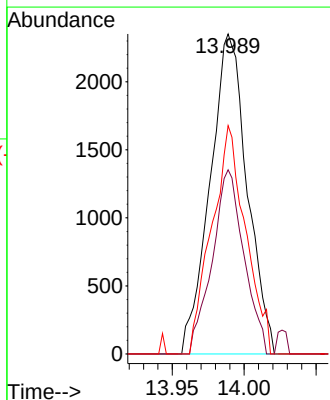
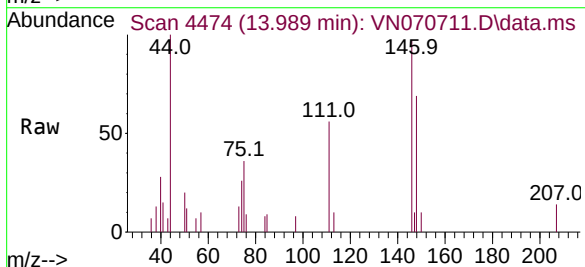
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

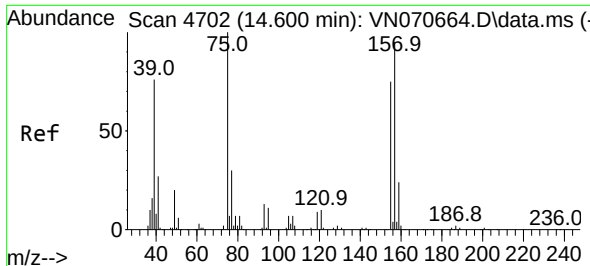
Tgt Ion: 91 Resp: 9878
Ion Ratio Lower Upper
91 100
92 49.6 25.4 76.0
134 21.9 13.6 40.8



#91
1,2-Dichlorobenzene
Concen: 0.230 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 146 Resp: 4209
Ion Ratio Lower Upper
146 100
111 49.3 19.1 57.3
148 65.2 32.1 96.3

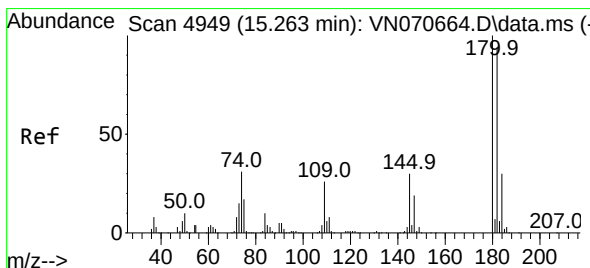
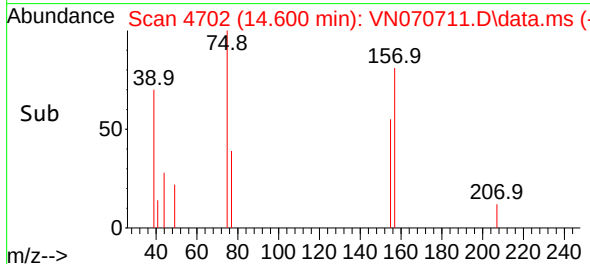
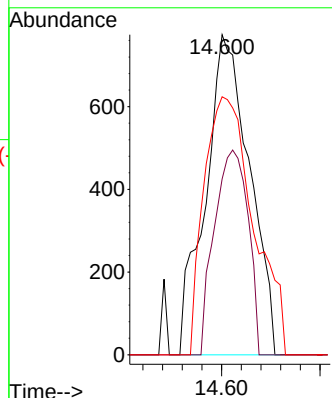
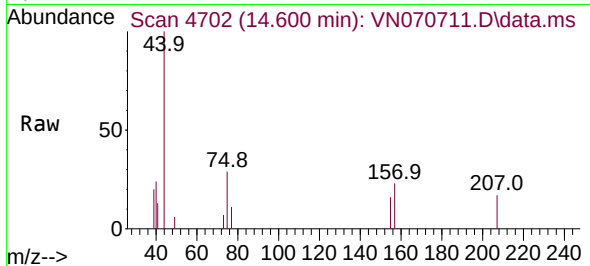




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.423 ug/l
RT: 14.600 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

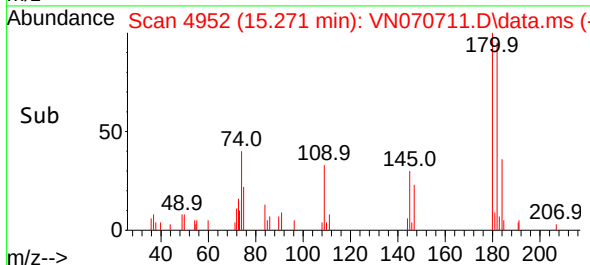
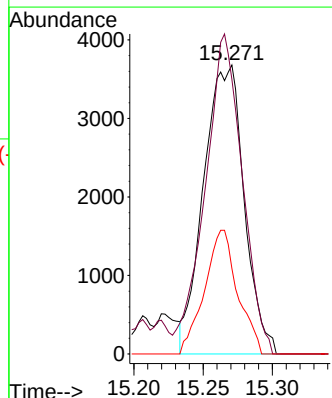
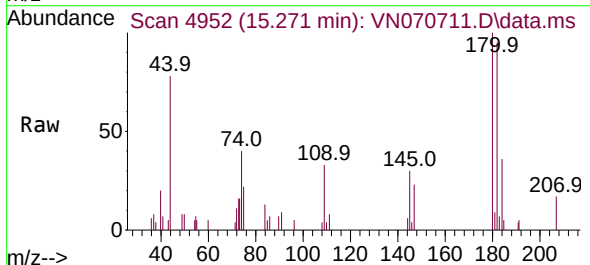
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

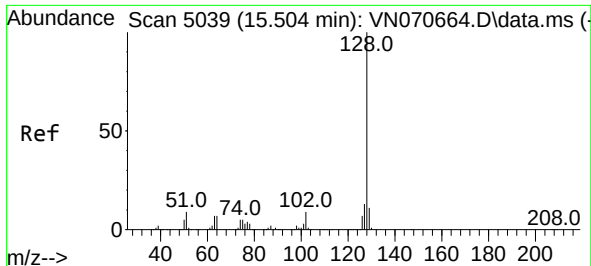
Tgt Ion: 75 Resp: 1205
Ion Ratio Lower Upper
75 100
155 48.7 46.9 140.7
157 90.1 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 4.145 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.008 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion: 180 Resp: 7498
Ion Ratio Lower Upper
180 100
182 101.5 48.3 144.9
145 35.0 14.5 43.5

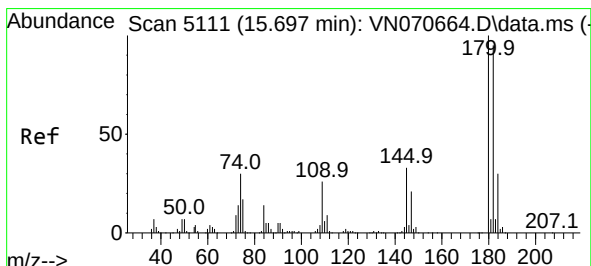
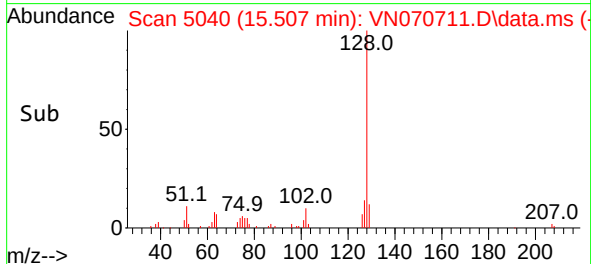
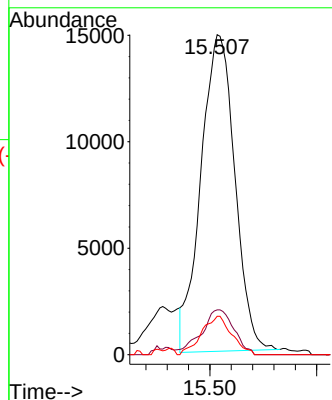
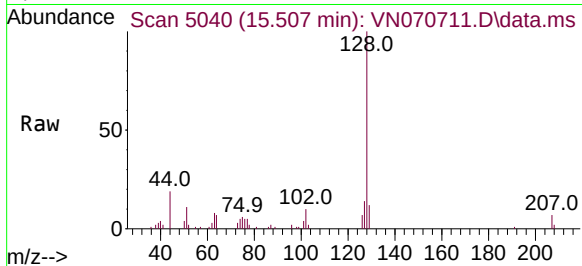




#95
Naphthalene
Concen: 6.034 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

Tgt Ion:128	Resp:	32825
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.5 15.7
129	10.8	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.262 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. 0.003 min
Lab File: VN070711.D
Acq: 20 Jan 2022 10:36

Tgt Ion:180	Resp:	10380
Ion Ratio	Lower	Upper
180	100	
182	92.6	47.4 142.2
145	30.8	15.0 45.1

