

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072166.D
 Acq On : 22 Apr 2022 18:59
 Operator : JC\MD
 Sample : N2522-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:23:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

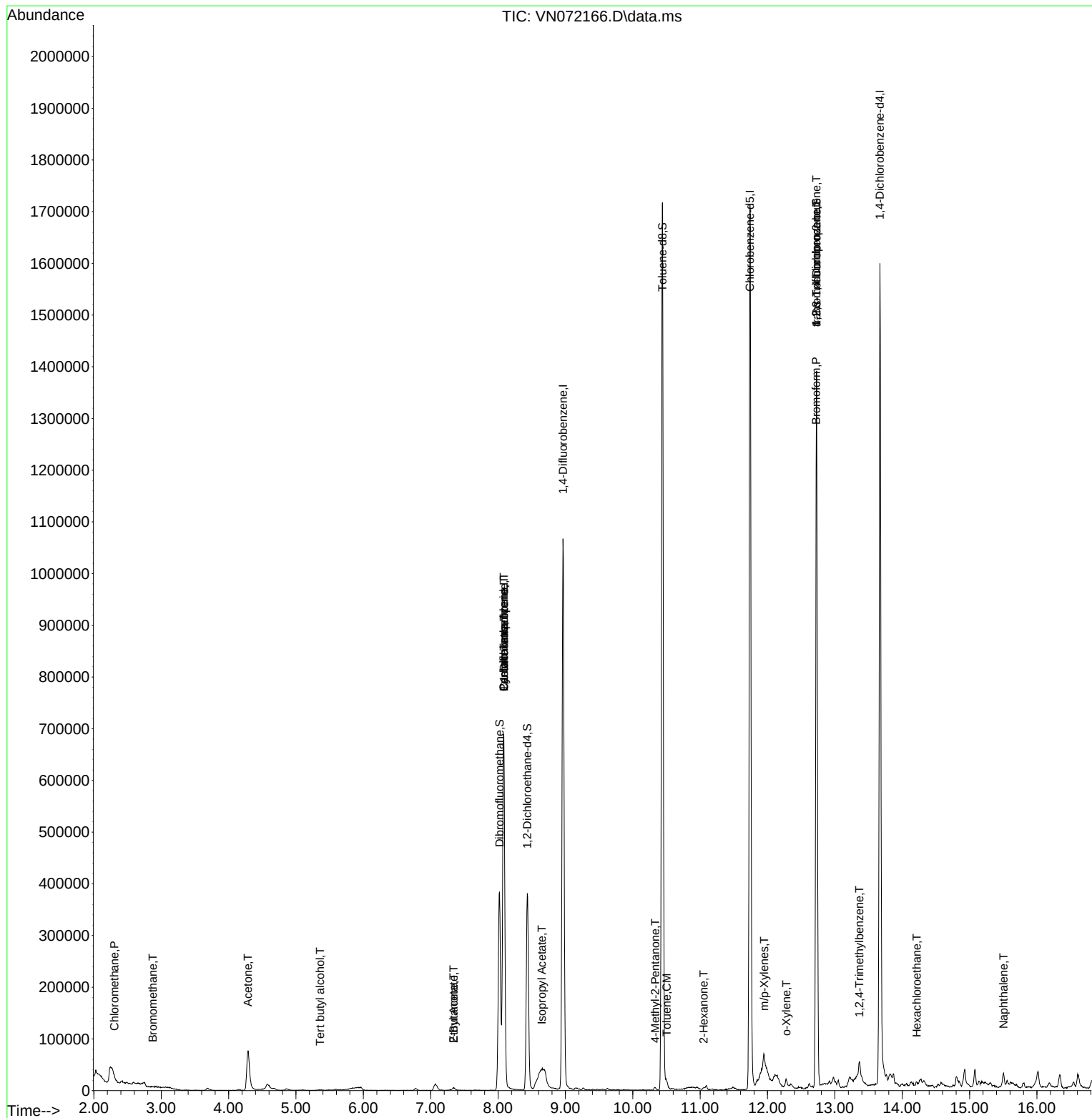
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	597800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1029784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1106900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	473548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	314115	46.027	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.060%
35) Dibromofluoromethane	8.022	113	292273	48.232	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.460%
50) Toluene-d8	10.439	98	1287728	51.948	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.900%
62) 4-Bromofluorobenzene	12.727	95	490905	61.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	122.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1499	0.249	ug/l	94
5) Bromomethane	2.875	94	947	0.220	ug/l #	62
11) Tert butyl alcohol	5.357	59	2487	2.246	ug/l #	72
16) Acetone	4.287	43	142880	48.989	ug/l	92
18) Methyl Acetate	4.851	43	6214	Below Cal	#	73
25) 2-Butanone	7.339	43	9021	2.146	ug/l	93
31) Cyclohexane	8.086	56	8789	0.947	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	38559	4.557	ug/l #	49
37) Ethyl Acetate	7.339	43	9021	0.974	ug/l #	67
38) Carbon Tetrachloride	8.086	117	51906	6.259	ug/l #	16
43) Isopropyl Acetate	8.651	43	67505	4.382	ug/l #	54
51) 4-Methyl-2-Pentanone	10.333	43	4448	0.502	ug/l	99
52) Toluene	10.504	92	5197	0.308	ug/l	98
59) 2-Hexanone	11.051	43	3328	0.534	ug/l #	21
68) m/p-Xylenes	11.951	106	7960	0.552	ug/l	96
69) o-Xylene	12.280	106	3885	0.272	ug/l	88
71) Bromoform	12.721	173	2234	0.367	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	230153	20.980	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	230153	65.016	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	16985	0.551	ug/l	94
90) Hexachloroethane	14.215	117	1389	0.254	ug/l #	9
95) Naphthalene	15.504	128	28168	5.010	ug/l	99

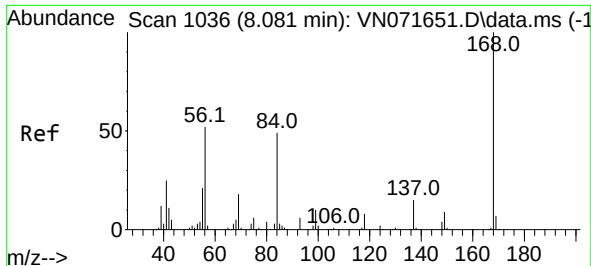
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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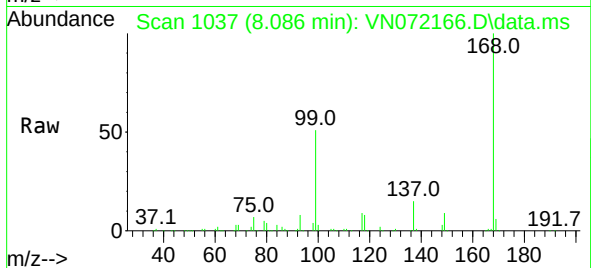
Quant Time: Apr 23 03:23:20 2022
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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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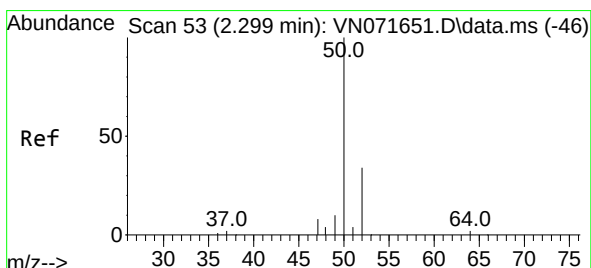
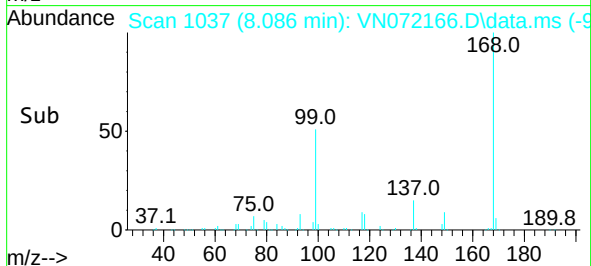
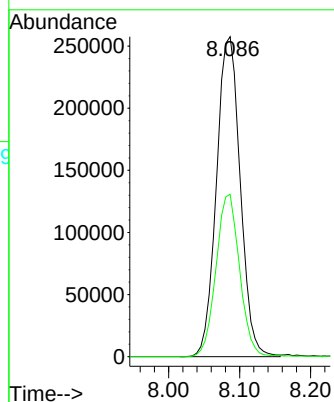


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :

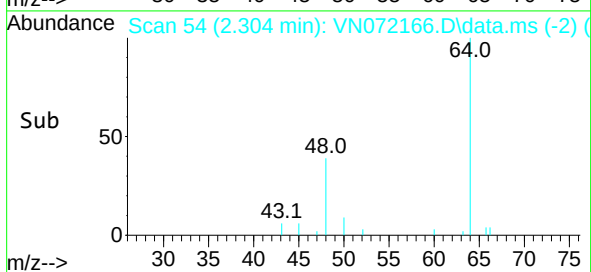
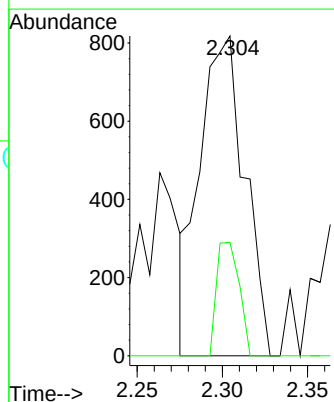
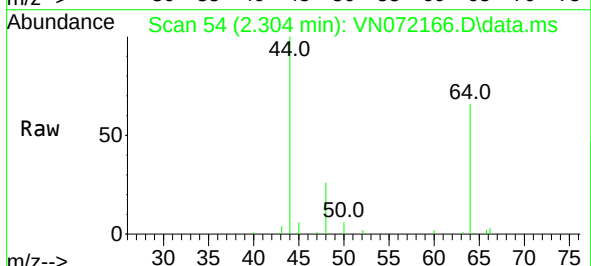


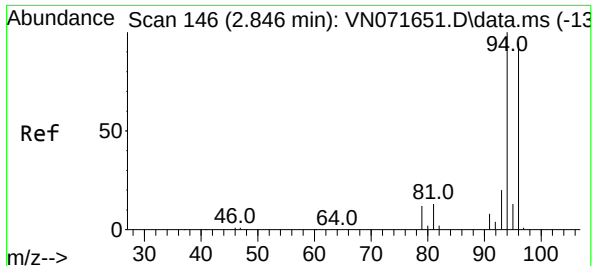
Tgt Ion:168 Resp: 597800
Ion Ratio Lower Upper
168 100
99 50.8 42.3 63.5



#3
Chloromethane
Concen: 0.249 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

Tgt Ion: 50 Resp: 1499
Ion Ratio Lower Upper
50 100
52 35.5 25.7 38.5





#5

Bromomethane

Concen: 0.220 ug/l

RT: 2.875 min Scan# 11

Delta R.T. 0.029 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

Instrument :

MSVOA_N

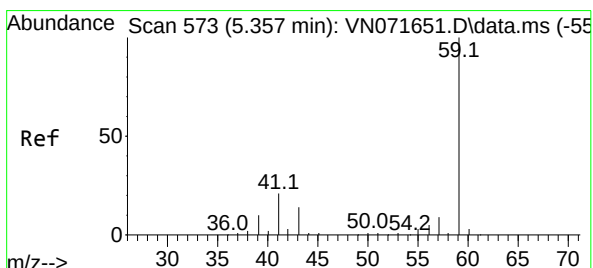
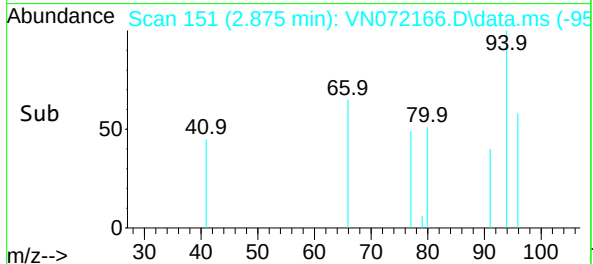
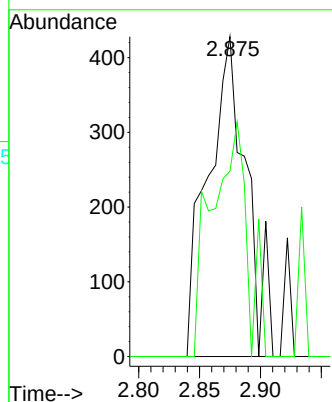
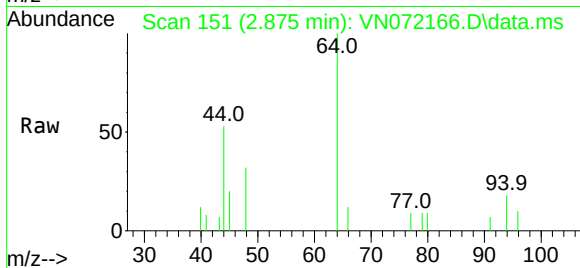
ClientSampleId :

Tgt Ion: 94 Resp: 947

Ion Ratio Lower Upper

94 100

96 57.9 76.0 114.0#



#11

Tert butyl alcohol

Concen: 2.246 ug/l

RT: 5.357 min Scan# 573

Delta R.T. 0.000 min

Lab File: VN072166.D

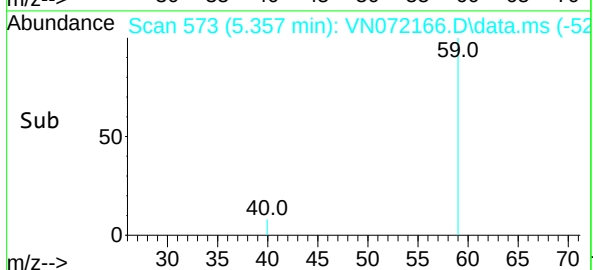
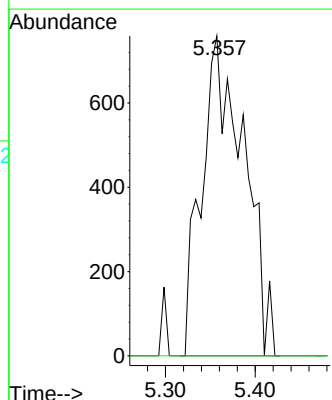
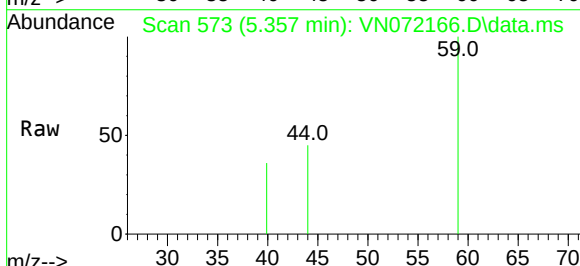
Acq: 22 Apr 2022 18:59

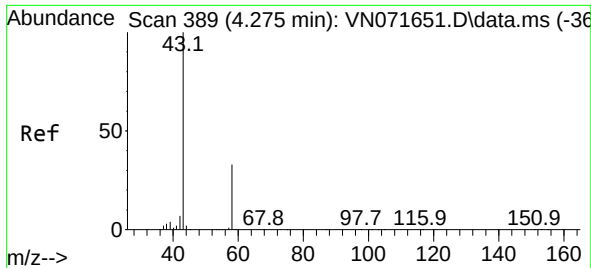
Tgt Ion: 59 Resp: 2487

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

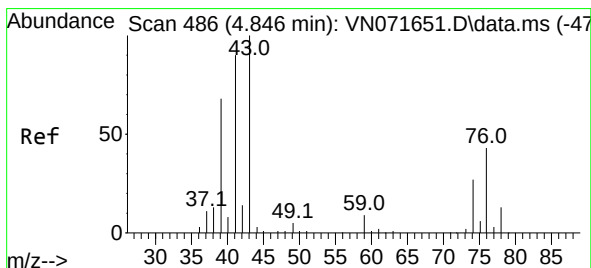
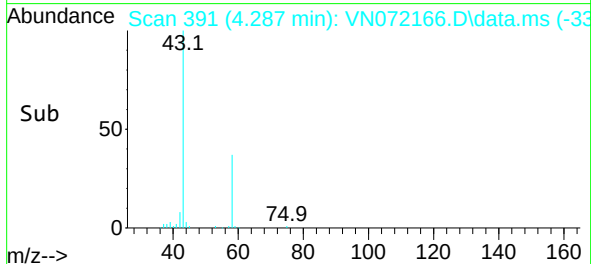
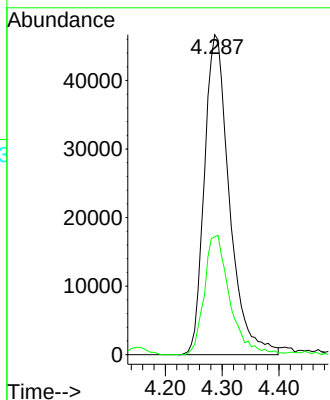
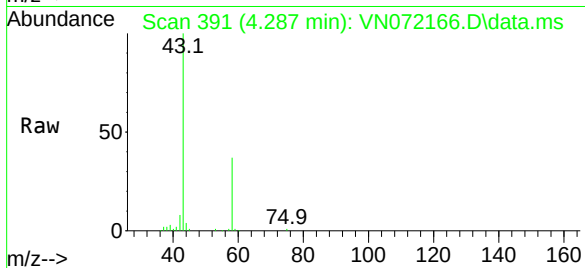




#16
Acetone
Concen: 48.989 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

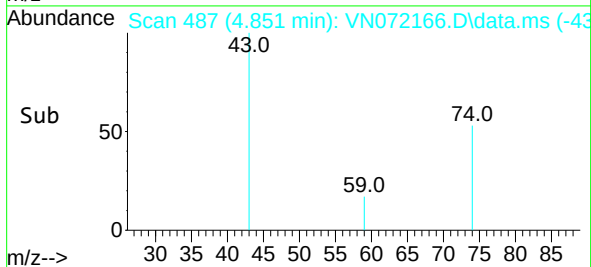
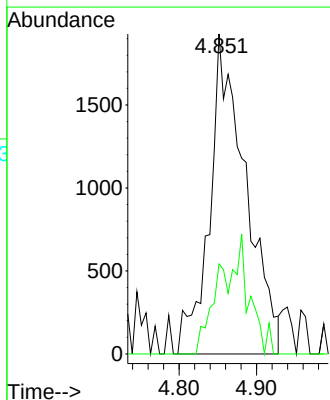
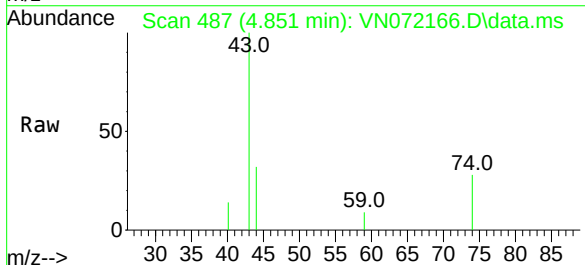
Instrument :
MSVOA_N
ClientSampleId :

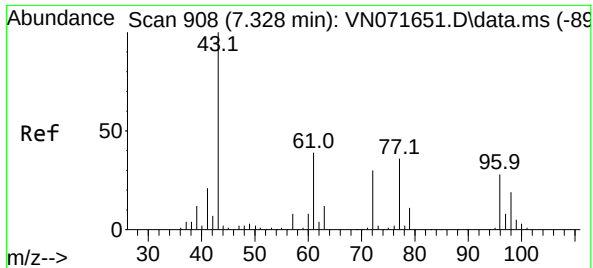
Tgt Ion: 43 Resp: 142880
Ion Ratio Lower Upper
43 100
58 36.9 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

Tgt Ion: 43 Resp: 6214
Ion Ratio Lower Upper
43 100
74 13.2 21.6 32.4#





#25

2-Butanone

Concen: 2.146 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

Instrument :

MSVOA_N

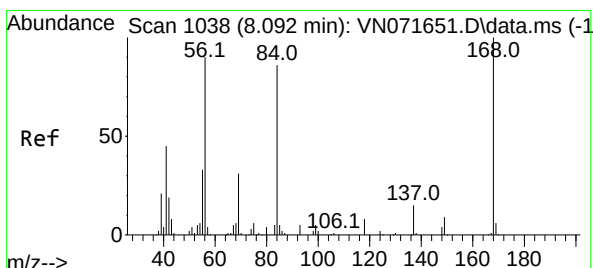
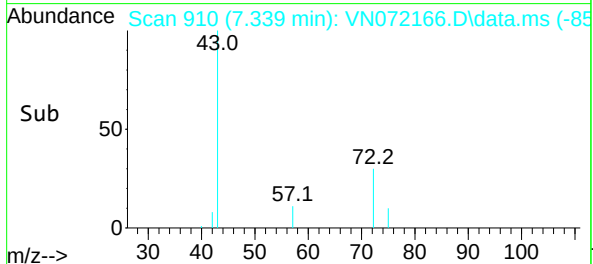
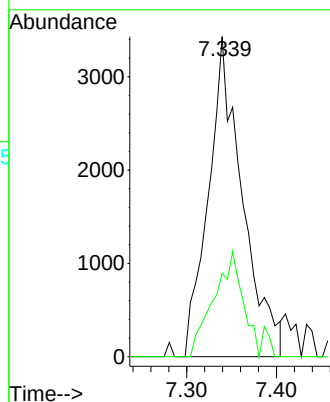
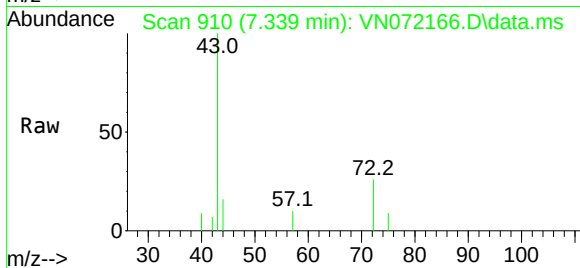
ClientSampleId :

Tgt Ion: 43 Resp: 9021

Ion Ratio Lower Upper

43 100

72 26.0 23.7 35.5



#31

Cyclohexane

Concen: 0.947 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

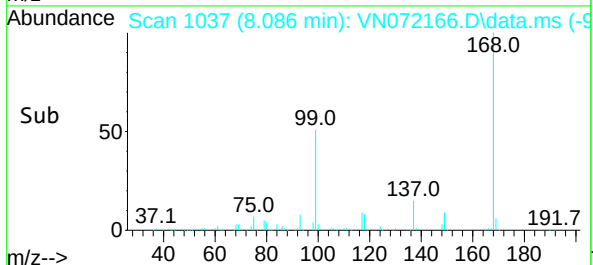
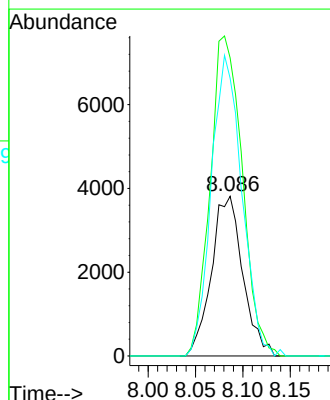
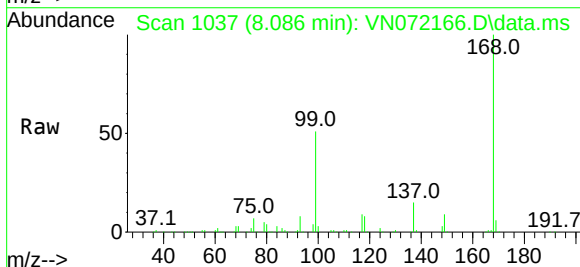
Tgt Ion: 56 Resp: 8789

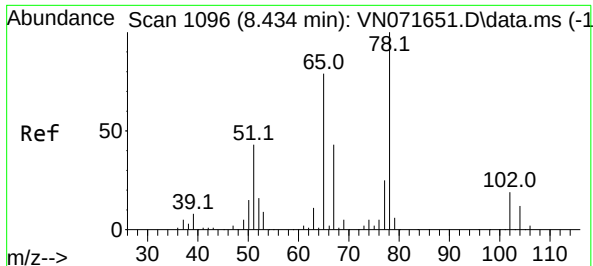
Ion Ratio Lower Upper

56 100

69 186.6 27.8 41.8#

84 173.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.027 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

Instrument :

MSVOA_N

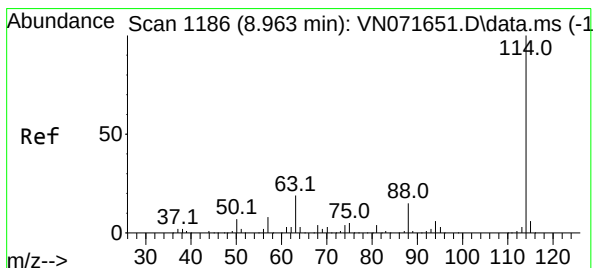
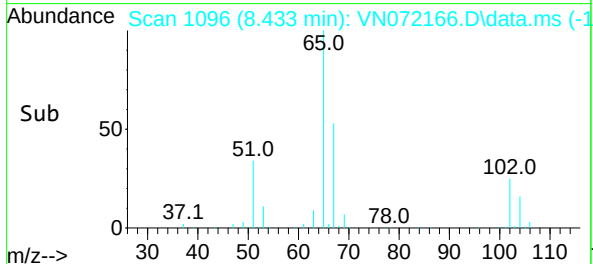
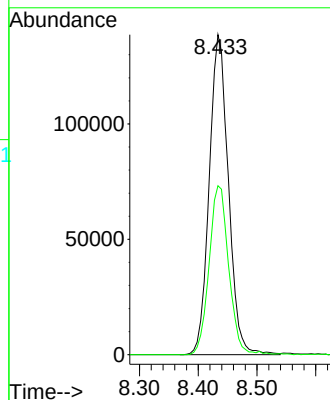
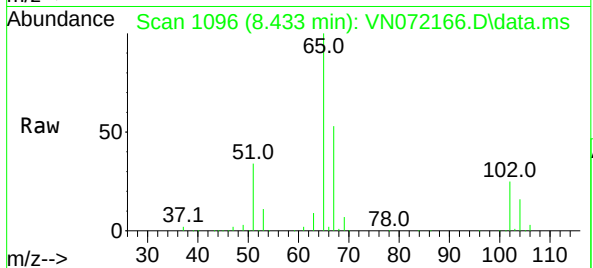
ClientSampleId :

Tgt Ion: 65 Resp: 314115

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

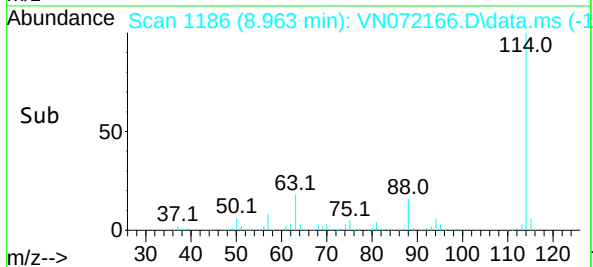
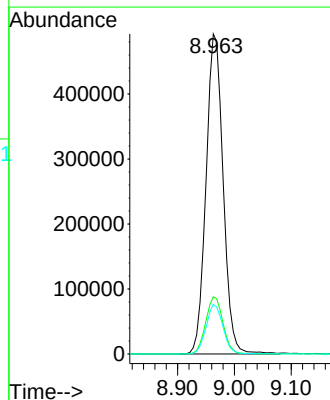
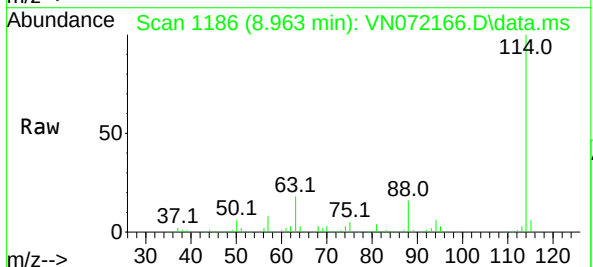
Tgt Ion: 114 Resp: 1029784

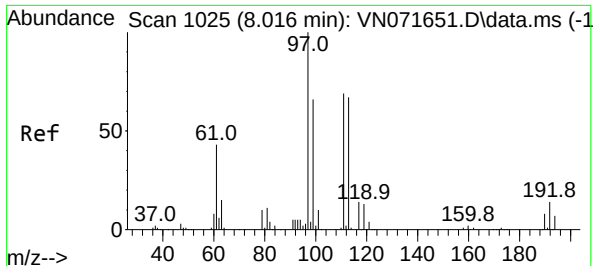
Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.0

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.232 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

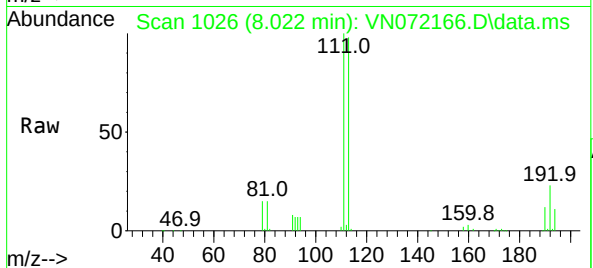
Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

Instrument :

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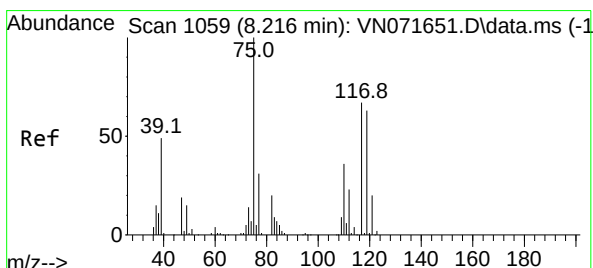
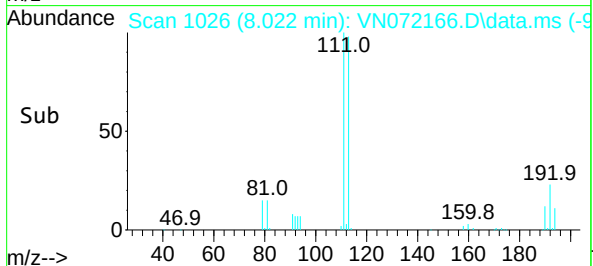
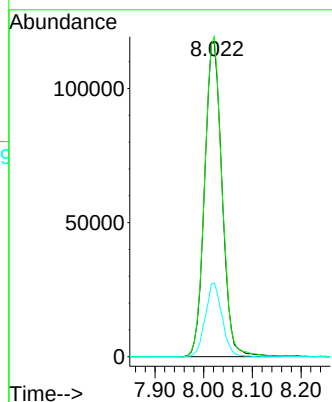
Tgt Ion:113 Resp: 292273

Ion Ratio Lower Upper

113 100

111 101.0 81.4 122.0

192 22.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.557 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

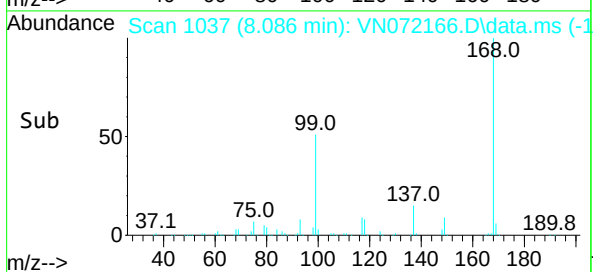
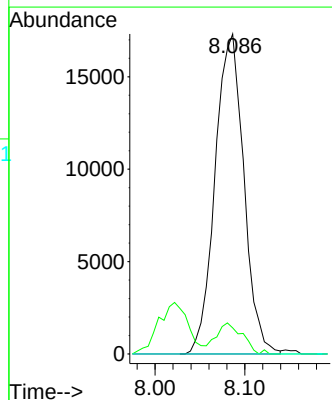
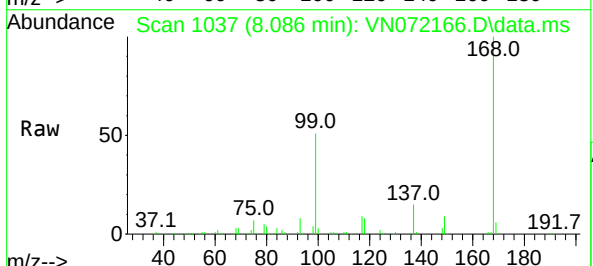
Tgt Ion: 75 Resp: 38559

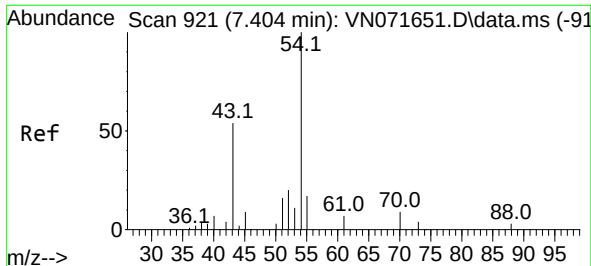
Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.974 ug/l

RT: 7.339 min Scan# 90

Delta R.T. -0.065 min

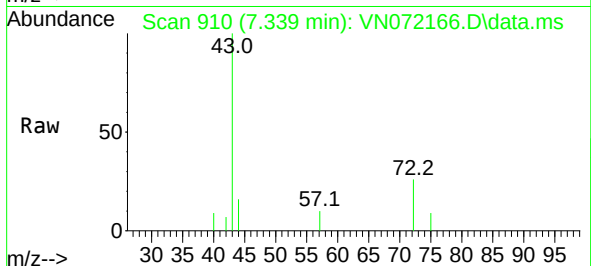
Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

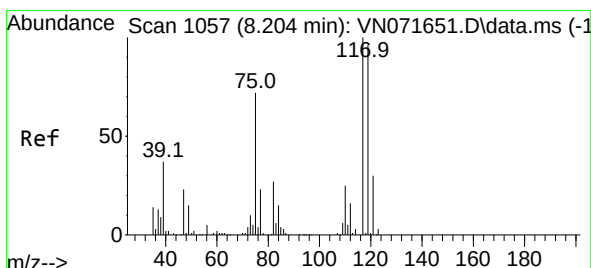
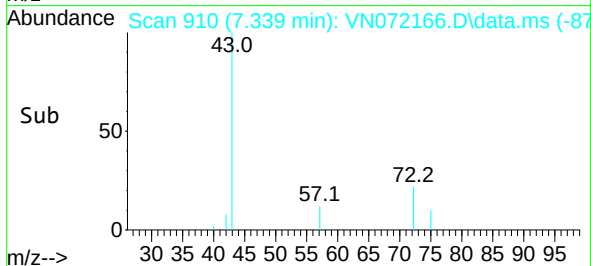
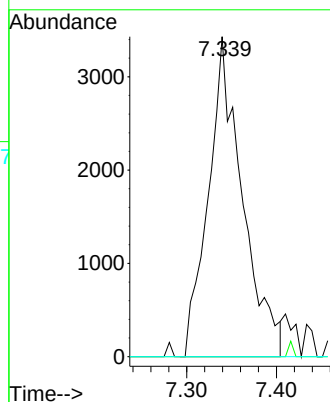
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 9021
Ion Ratio	Lower Upper
43	100
61	0.0 11.8 17.6#
70	0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 6.259 ug/l

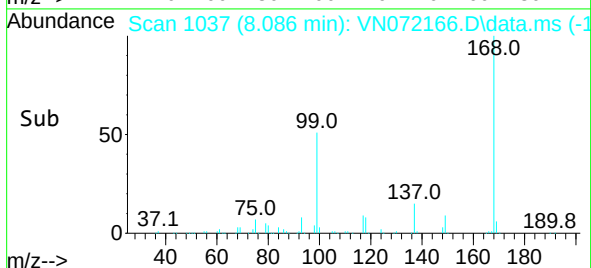
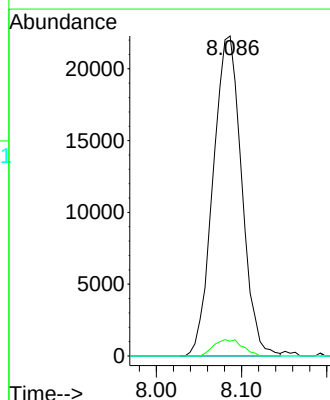
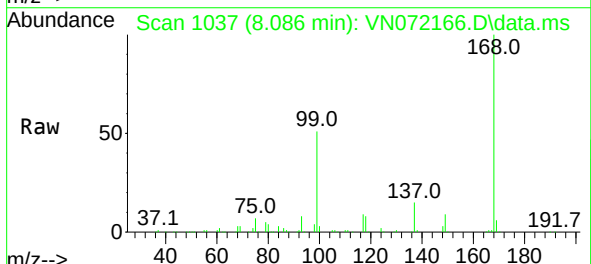
RT: 8.086 min Scan# 1037

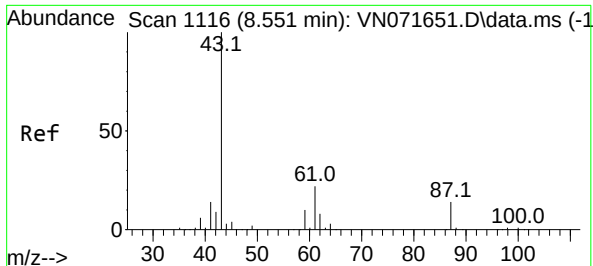
Delta R.T. -0.118 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

Tgt Ion: 117	Resp: 51906
Ion Ratio	Lower Upper
117	100
119	4.6 75.8 113.8#
121	0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 4.382 ug/l

RT: 8.651 min Scan# 1116

Delta R.T. 0.100 min

Lab File: VN072166.D

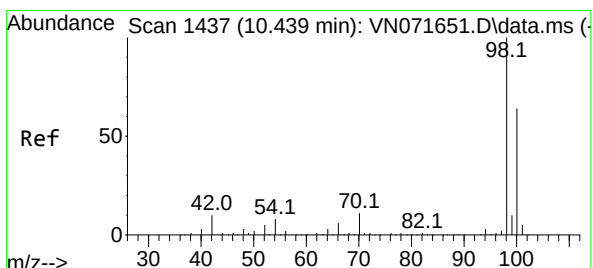
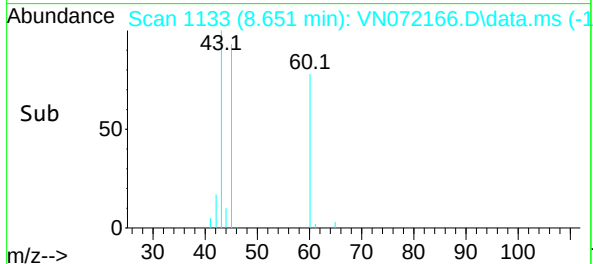
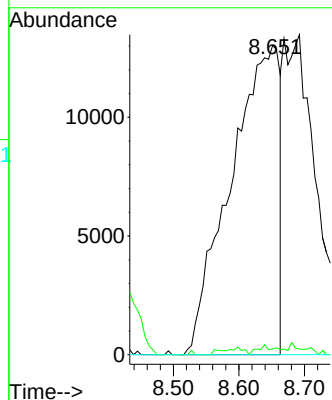
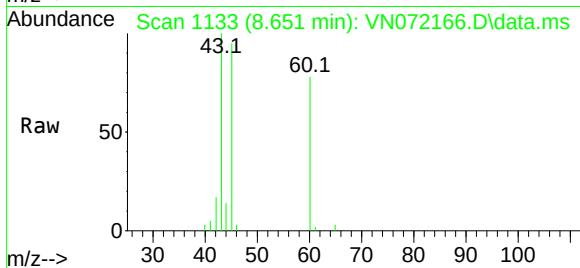
Acq: 22 Apr 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 67505
Ion Ratio	Lower Upper
43	100
61	0.8 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 51.948 ug/l

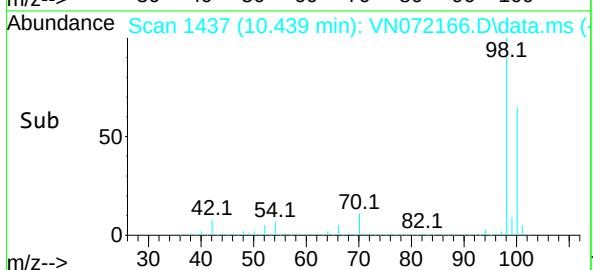
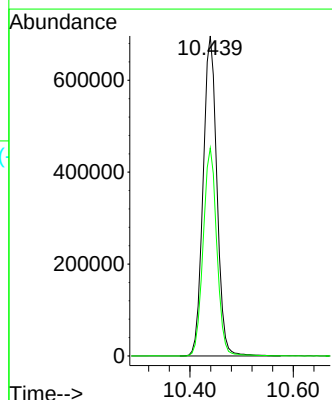
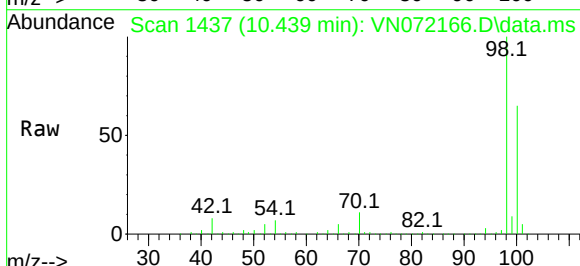
RT: 10.439 min Scan# 1437

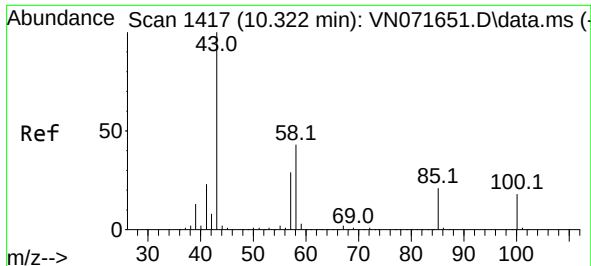
Delta R.T. 0.000 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

Tgt Ion: 98	Resp: 1287728
Ion Ratio	Lower Upper
98	100
100	64.6 52.6 78.8

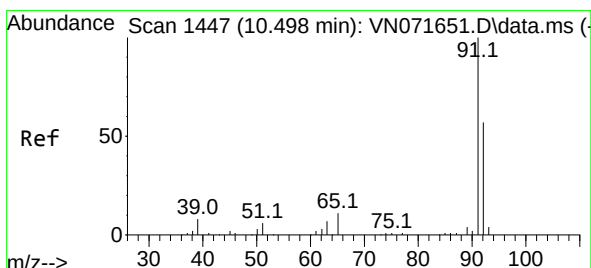
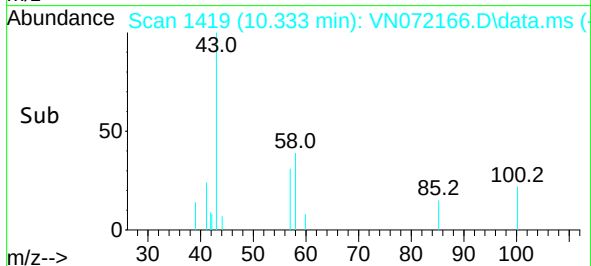
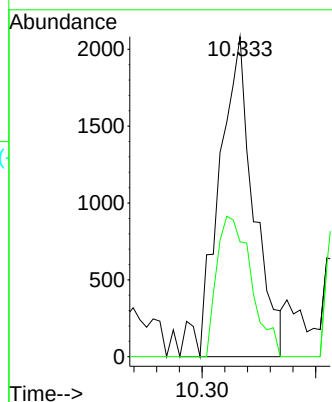
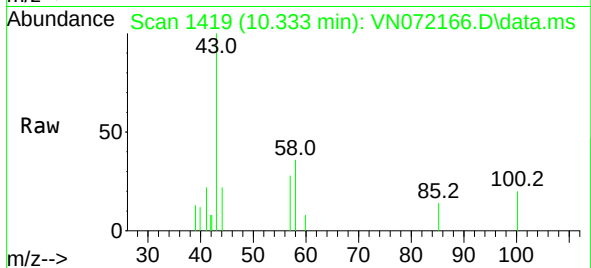




#51
4-Methyl-2-Pentanone
Concen: 0.502 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.011 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

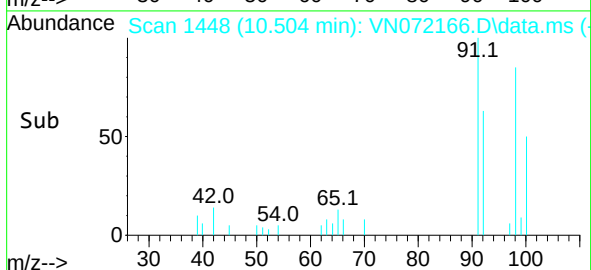
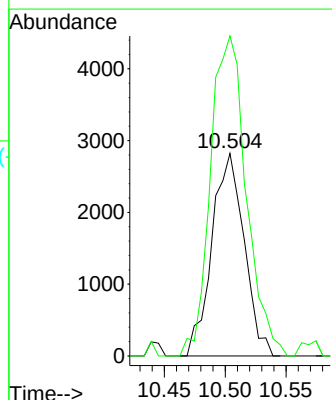
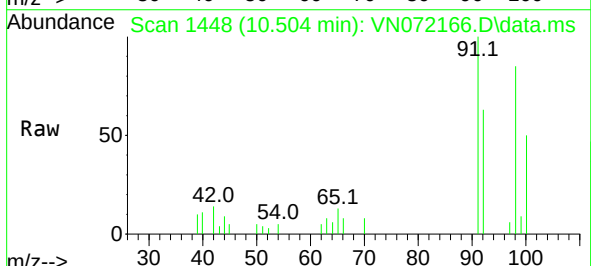
Instrument :
MSVOA_N
ClientSampleId :

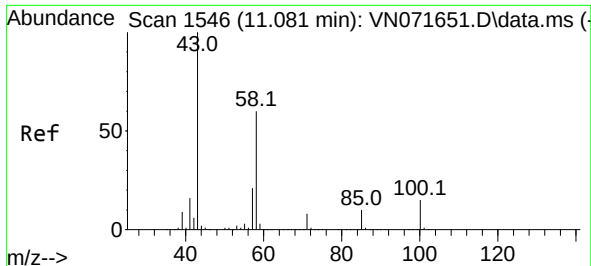
Tgt Ion: 43 Resp: 4448
Ion Ratio Lower Upper
43 100
58 43.2 34.1 51.1



#52
Toluene
Concen: 0.308 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

Tgt Ion: 92 Resp: 5197
Ion Ratio Lower Upper
92 100
91 175.7 138.6 207.8





#59

2-Hexanone

Concen: 0.534 ug/l

RT: 11.051 min Scan# 11

Delta R.T. -0.030 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

Instrument :

MSVOA_N

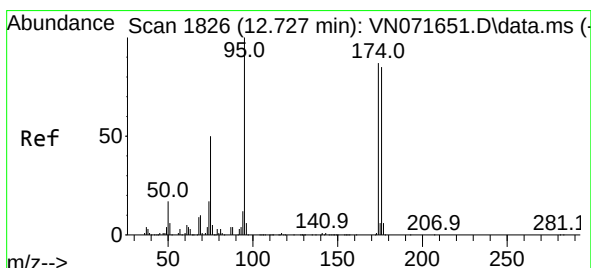
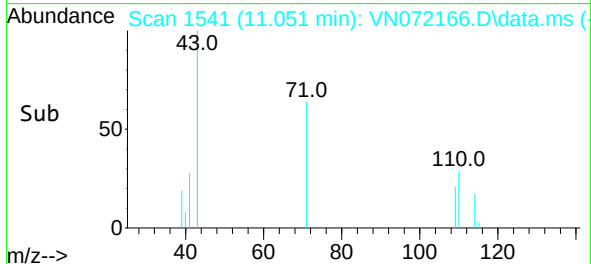
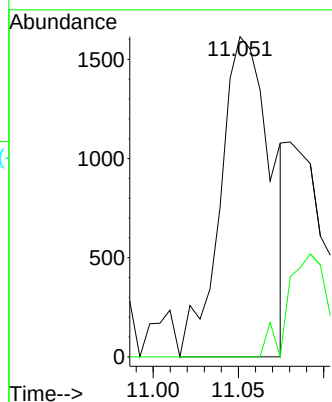
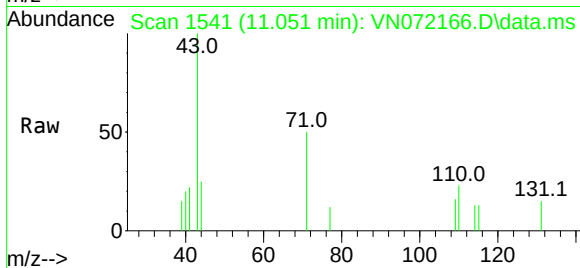
ClientSampleId :

Tgt Ion: 43 Resp: 3328

Ion Ratio Lower Upper

43 100

58 0.0 29.7 89.1#



#62

4-Bromofluorobenzene

Concen: 61.232 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

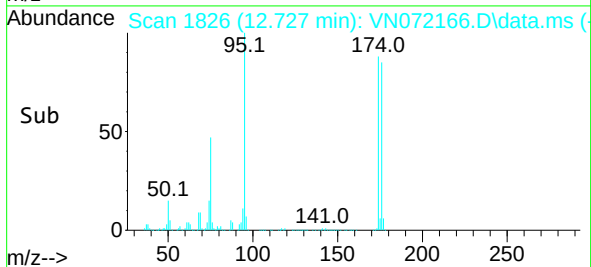
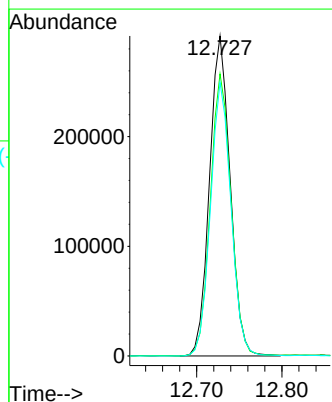
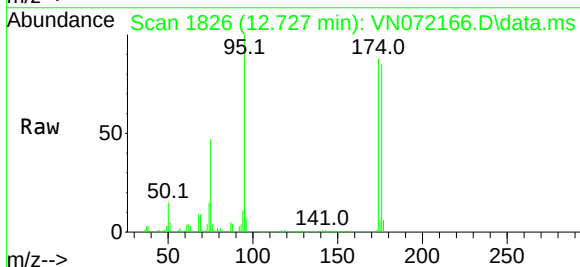
Tgt Ion: 95 Resp: 490905

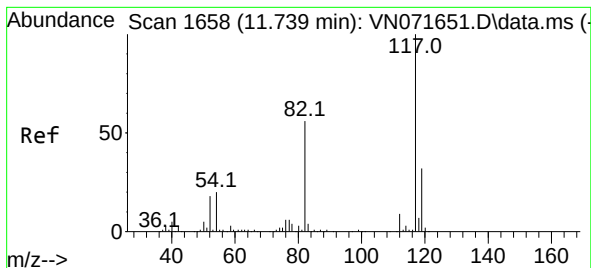
Ion Ratio Lower Upper

95 100

174 88.5 0.0 167.6

176 84.8 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072166.D

Acq: 22 Apr 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

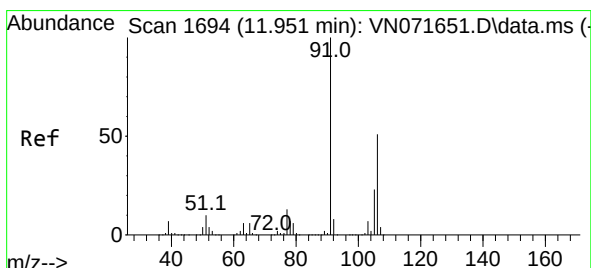
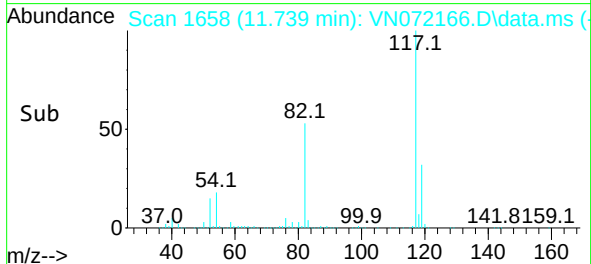
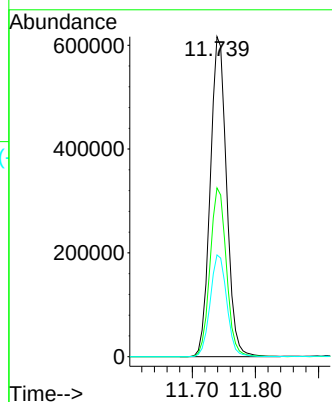
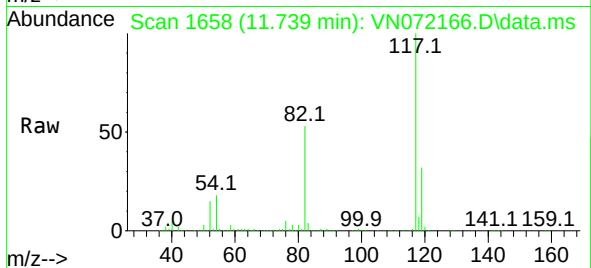
Tgt Ion:117 Resp: 1106900

Ion Ratio Lower Upper

117 100

82 52.8 44.2 66.2

119 31.8 25.4 38.0



#68

m/p-Xylenes

Concen: 0.552 ug/l

RT: 11.951 min Scan# 1694

Delta R.T. -0.000 min

Lab File: VN072166.D

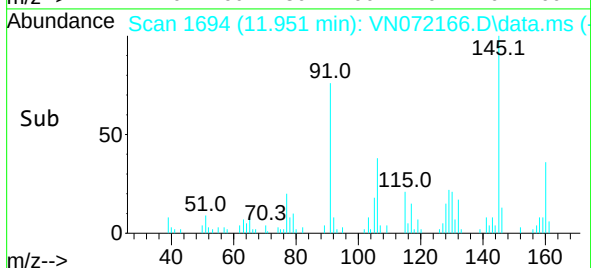
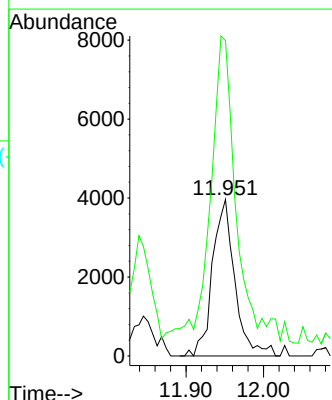
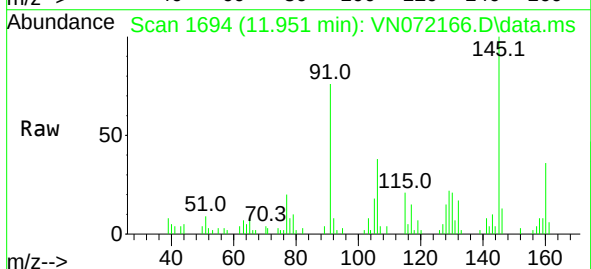
Acq: 22 Apr 2022 18:59

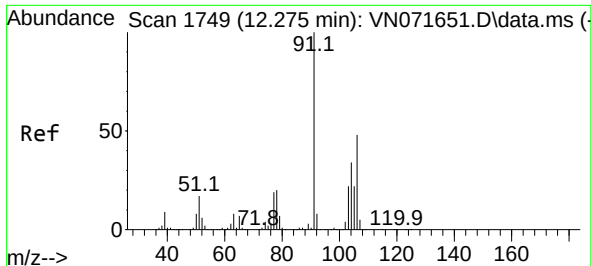
Tgt Ion:106 Resp: 7960

Ion Ratio Lower Upper

106 100

91 204.0 158.9 238.3

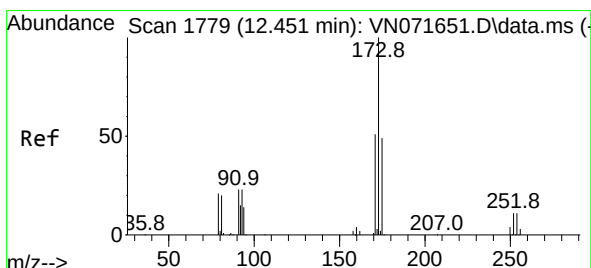
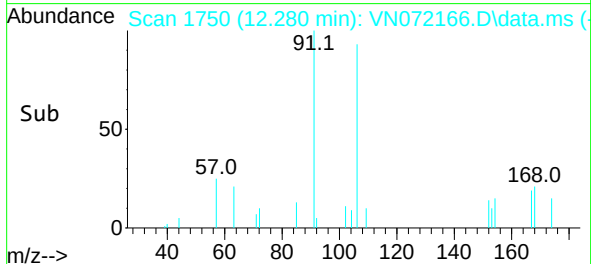
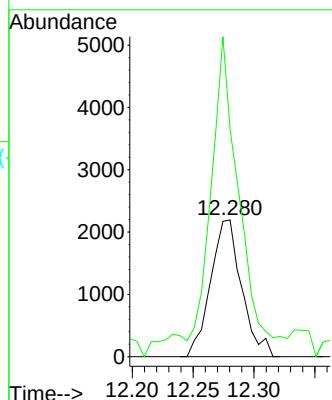
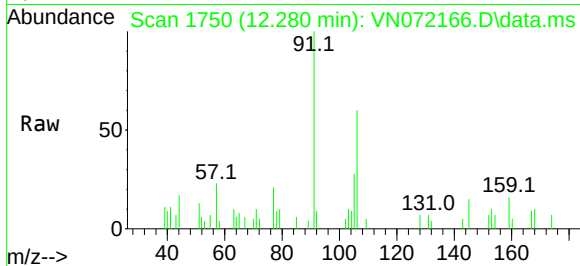




#69
o-Xylene
Concen: 0.272 ug/l
RT: 12.280 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

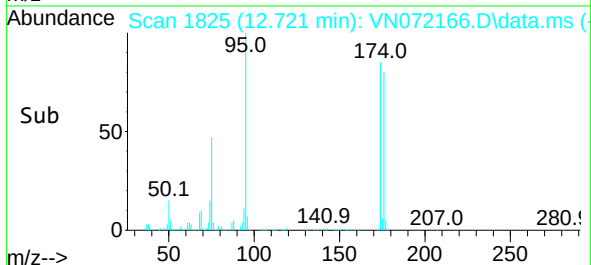
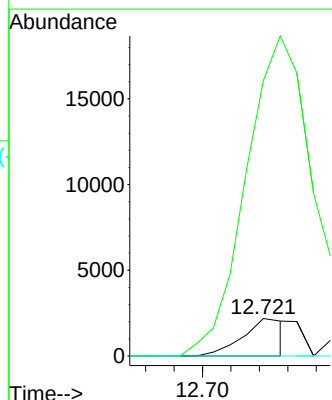
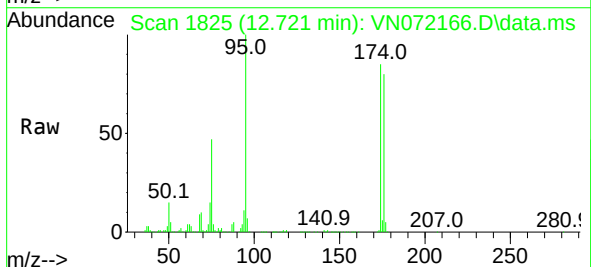
Instrument :
MSVOA_N
ClientSampleId :

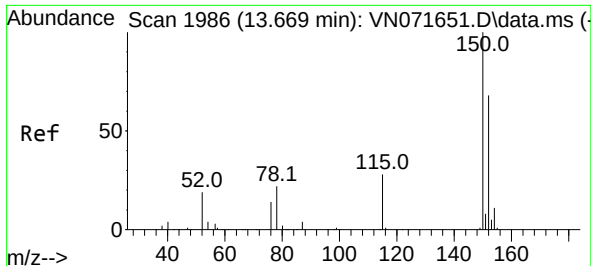
Tgt Ion:106 Resp: 3885
Ion Ratio Lower Upper
106 100
91 231.2 106.0 318.0



#71
Bromoform
Concen: 0.367 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

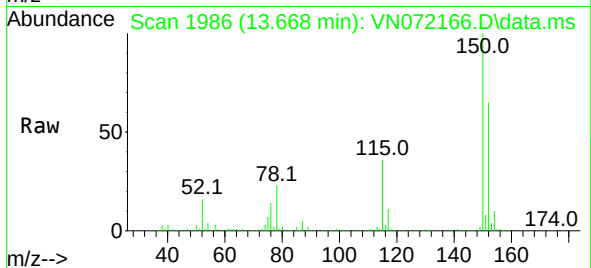
Tgt Ion:173 Resp: 2234
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



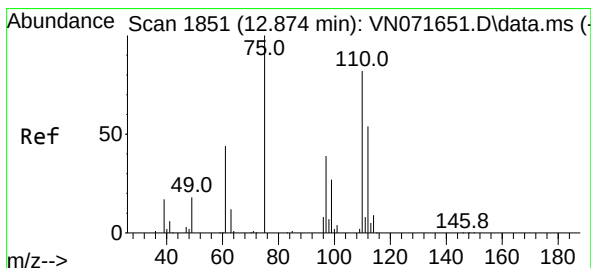
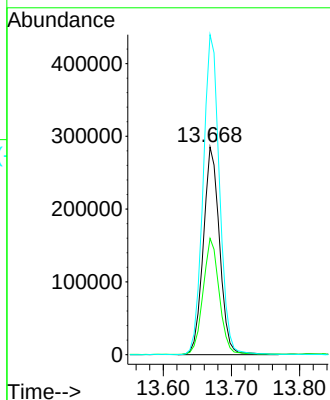
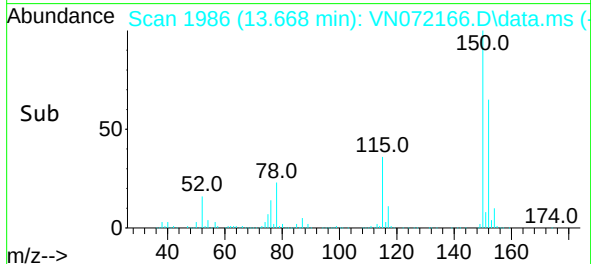


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072166.D
 Acq: 22 Apr 2022 18:59

Instrument :
 MSVOA_N
 ClientSampleId :

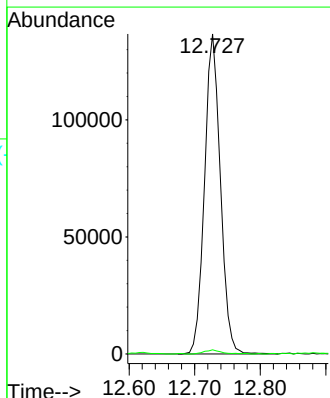
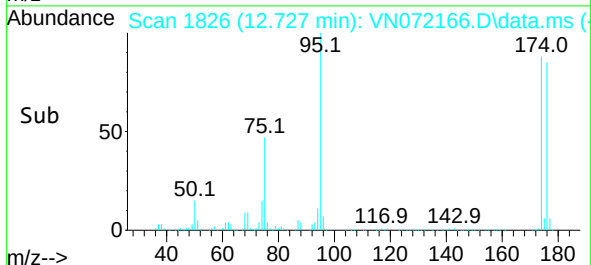
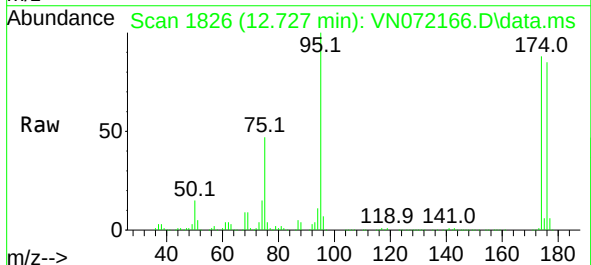


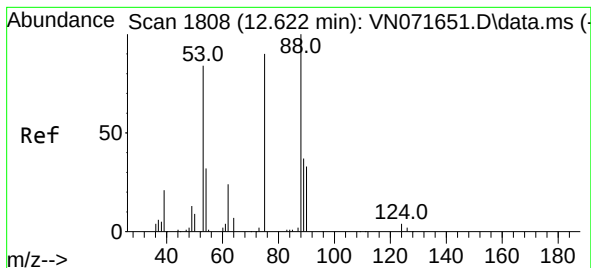
Tgt Ion:152 Resp: 473548
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.9 86.7
 150 155.6 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.980 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072166.D
 Acq: 22 Apr 2022 18:59

Tgt Ion: 75 Resp: 230153
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#

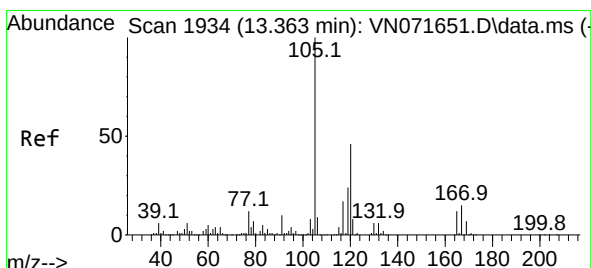
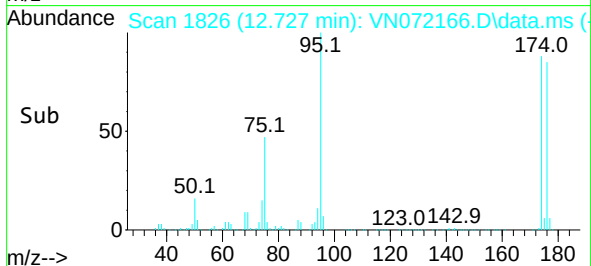
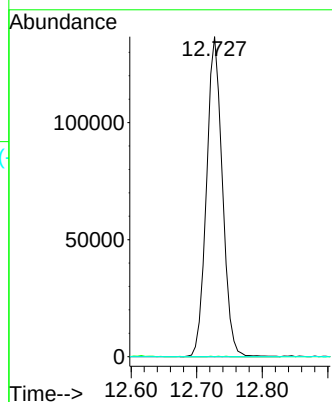
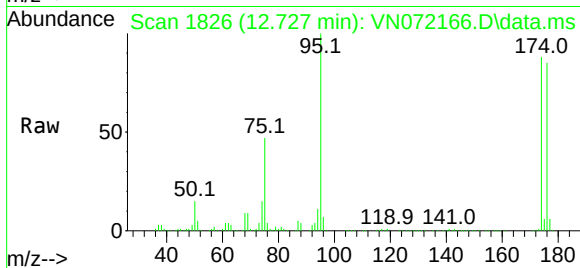




#81
trans-1,4-Dichloro-2-butene
Concen: 65.016 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

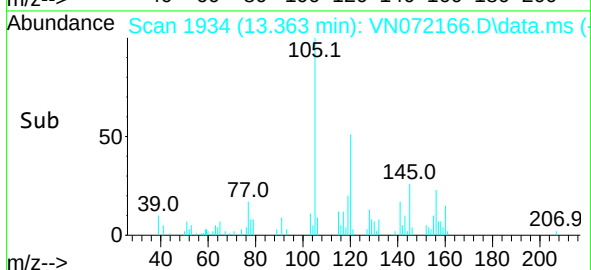
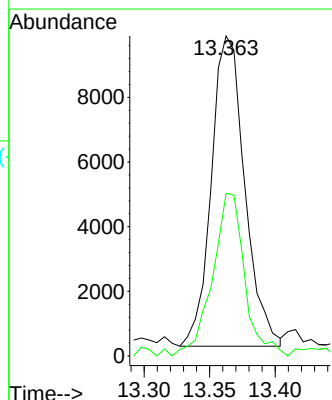
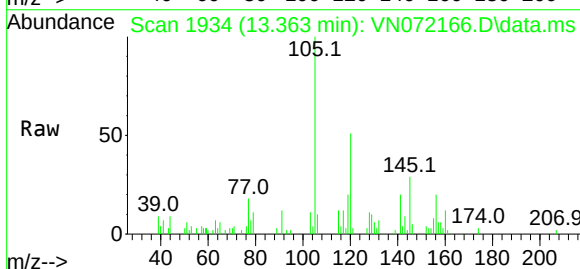
Instrument :
MSVOA_N
ClientSampleId :

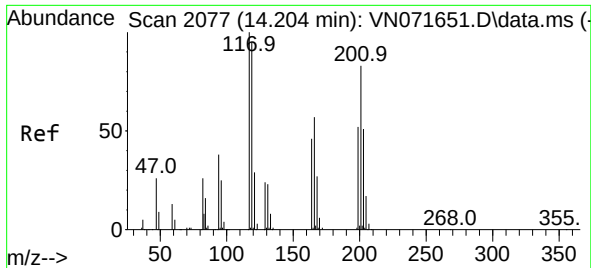
Tgt Ion: 75 Resp: 230153
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.551 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

Tgt Ion: 105 Resp: 16985
Ion Ratio Lower Upper
105 100
120 50.7 23.3 69.8

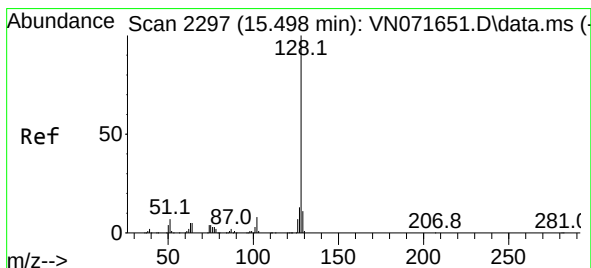
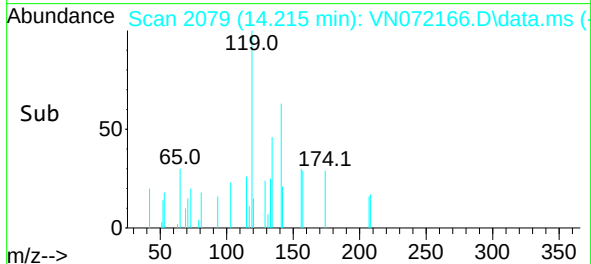
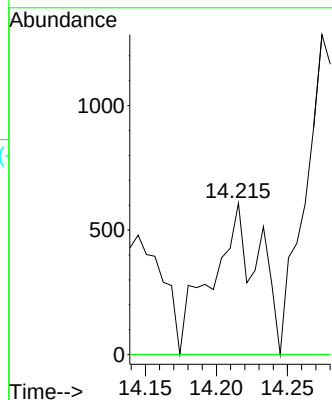
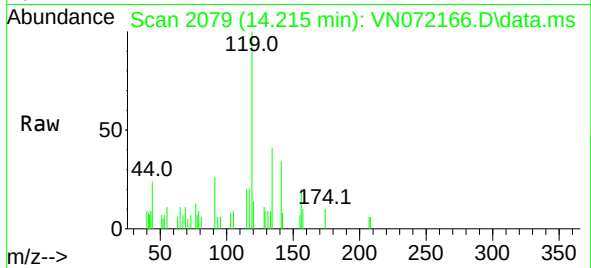




#90
Hexachloroethane
Concen: 0.254 ug/l
RT: 14.215 min Scan# 2077
Delta R.T. 0.011 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 1389
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 5.010 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072166.D
Acq: 22 Apr 2022 18:59

Tgt Ion:128 Resp: 28168
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.2 8.6 13.0

