

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072903.D
 Acq On : 17 Jun 2022 01:18
 Operator : JC\MD
 Sample : N3286-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 06:09:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061622W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 17 06:04:26 2022
 Response via : Initial Calibration

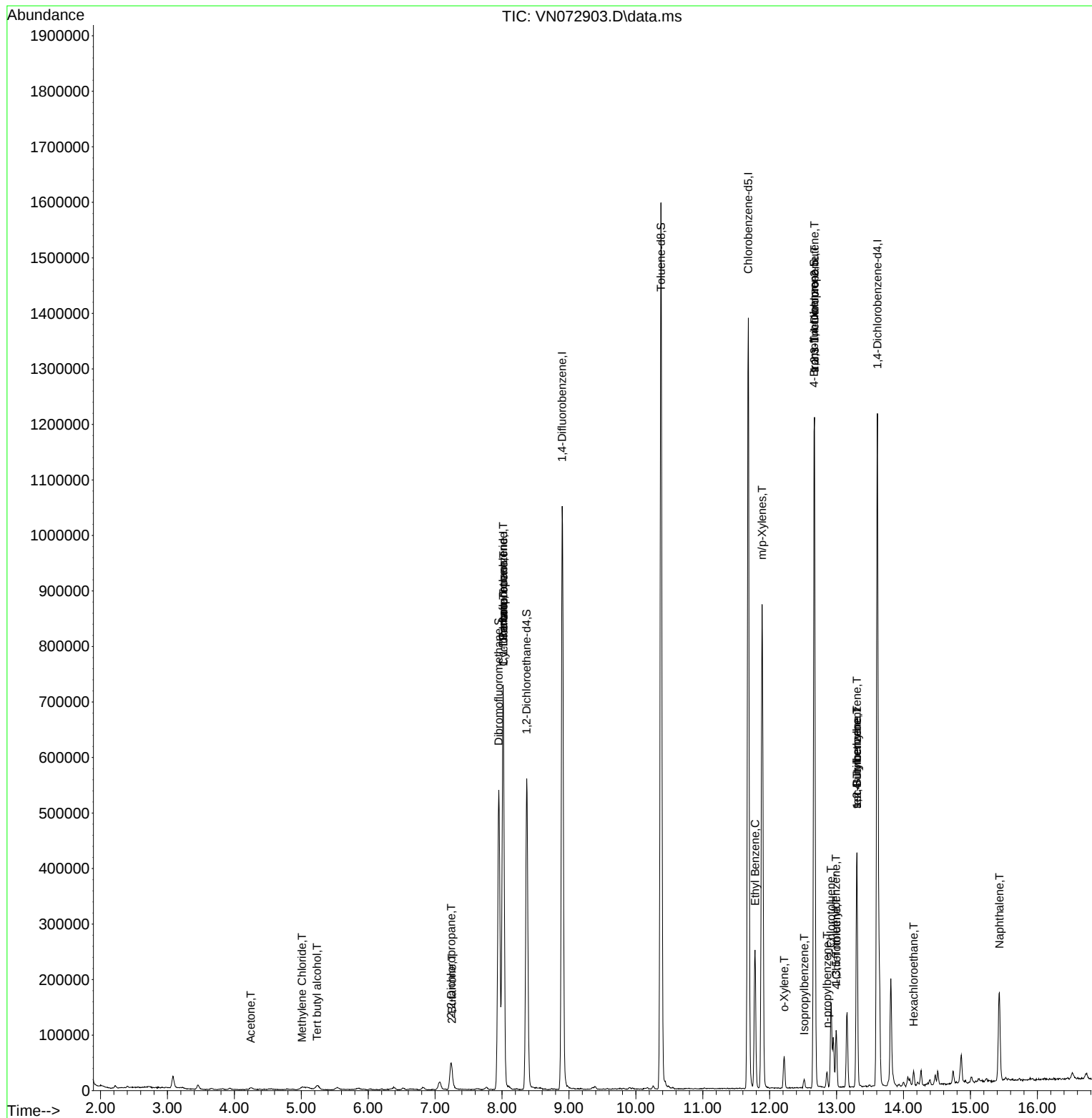
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

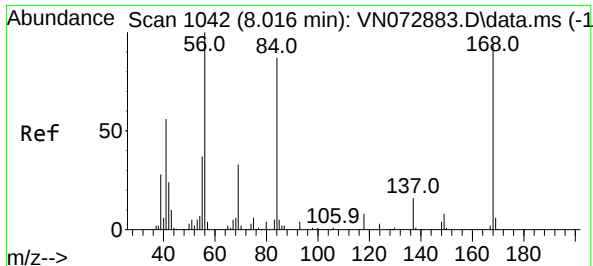
Internal Standards						
1) Pentafluorobenzene	8.016	168	565697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	948650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	816865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	339381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	463784	44.375	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.760%		
35) Dibromofluoromethane	7.951	113	394253	45.752	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.500%		
50) Toluene-d8	10.375	98	1090682	32.336	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	64.680%#		
62) 4-Bromofluorobenzene	12.663	95	443809	37.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	75.860%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.234	59	4069	1.495	ug/l #	72
13) Acrolein	3.987	56	65	Below Cal	#	16
16) Acetone	4.246	43	6771	1.284	ug/l	95
20) Methylene Chloride	5.010	84	2185	0.232	ug/l #	76
25) 2-Butanone	7.251	43	2678	0.319	ug/l #	45
26) 2,2-Dichloropropane	7.240	77	3224	0.231	ug/l #	53
31) Cyclohexane	8.022	56	14716	1.050	ug/l #	24
36) 1,1-Dichloropropene	8.022	75	41924	3.562	ug/l #	49
38) Carbon Tetrachloride	8.016	117	55599	4.388	ug/l #	16
67) Ethyl Benzene	11.780	91	184693	4.855	ug/l	97
68) m/p-Xylenes	11.886	106	292464	20.024	ug/l	99
69) o-Xylene	12.216	106	16277	1.086	ug/l	98
73) Isopropylbenzene	12.516	105	10511	0.325	ug/l	95
76) 1,2,3-Trichloropropane	12.669	75	221520	21.959	ug/l #	1
78) n-propylbenzene	12.857	91	22519	0.667	ug/l	94
79) 2-Chlorotoluene	12.916	91	11075	0.505	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.992	105	50737	1.956	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.669	75	221520	62.545	ug/l #	10
82) 4-Chlorotoluene	12.998	91	4784	0.236	ug/l #	40
83) tert-Butylbenzene	13.304	119	29140	1.255	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.304	105	243323	9.758	ug/l	99
85) sec-Butylbenzene	13.304	105	243323	8.085	ug/l #	56
90) Hexachloroethane	14.151	117	1646	0.313	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.516	75	540	Below Cal	#	1
95) Naphthalene	15.433	128	156407	7.274	ug/l	100

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

Instrument :
MSVOA_N
ClientSampleId :

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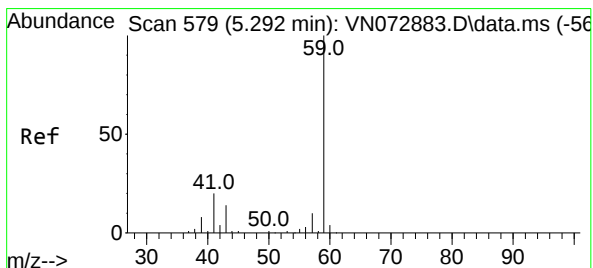
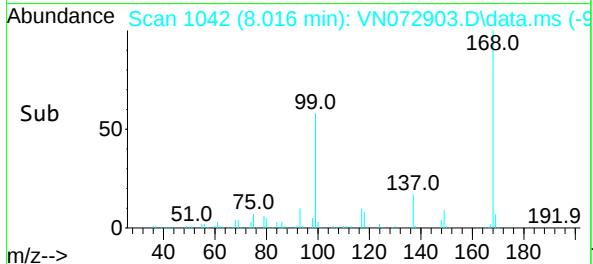
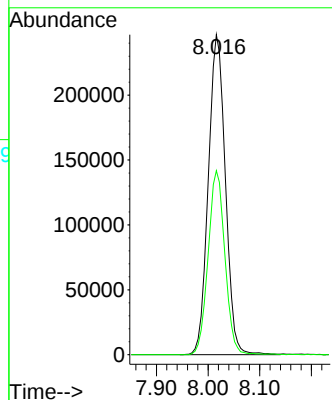
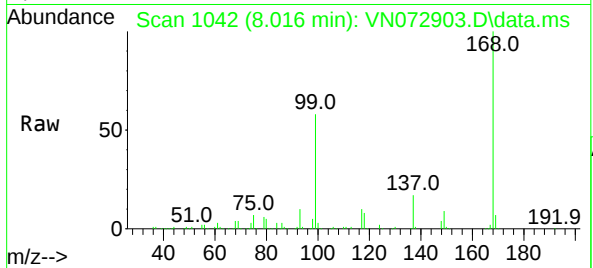




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

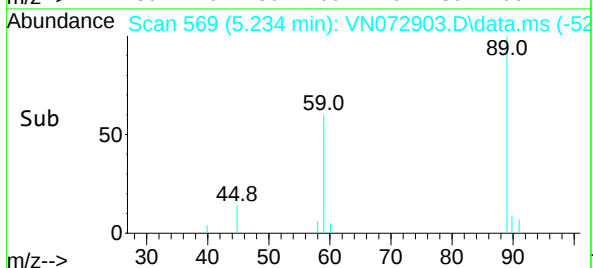
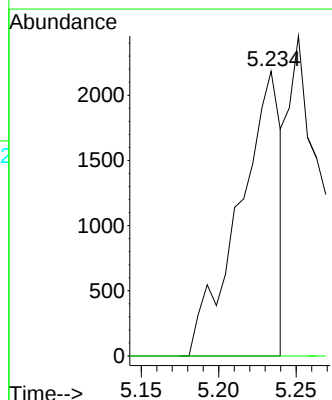
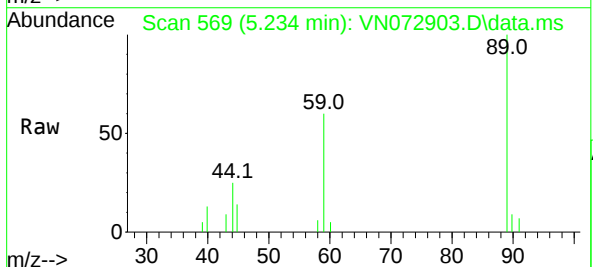
Instrument :
MSVOA_N
ClientSampleId :

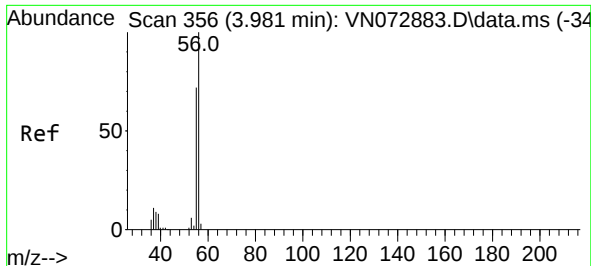
Tgt Ion:168 Resp: 565697
Ion Ratio Lower Upper
168 100
99 57.5 42.3 63.5



#11
Tert butyl alcohol
Concen: 1.495 ug/l
RT: 5.234 min Scan# 569
Delta R.T. -0.059 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

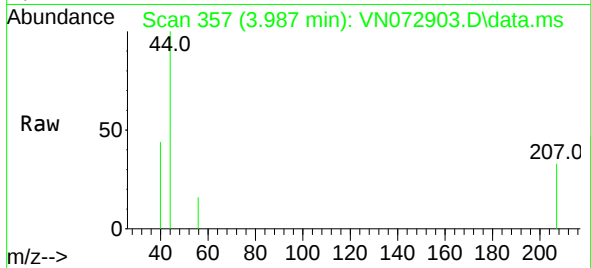
Tgt Ion: 59 Resp: 4069
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



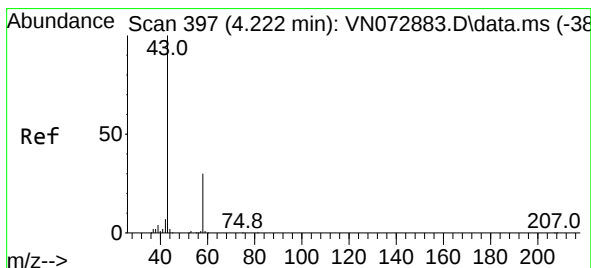
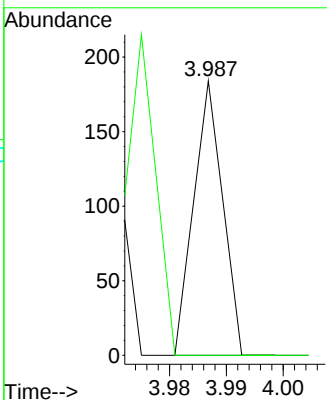
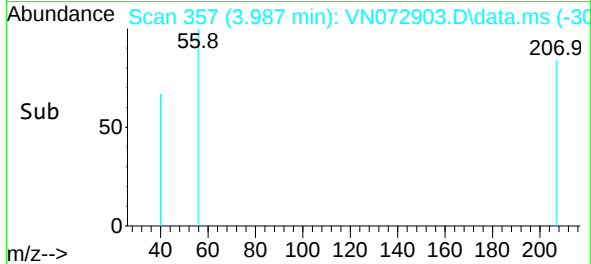


#13
Acrolein
Concen: Below Cal
RT: 3.987 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

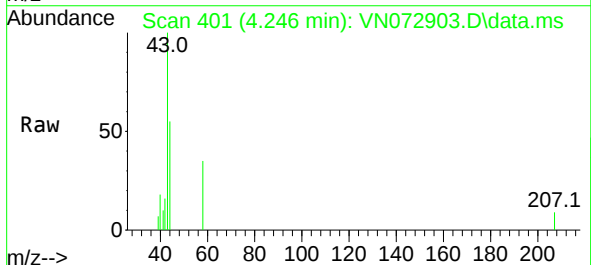
Instrument :
MSVOA_N
ClientSampleId :



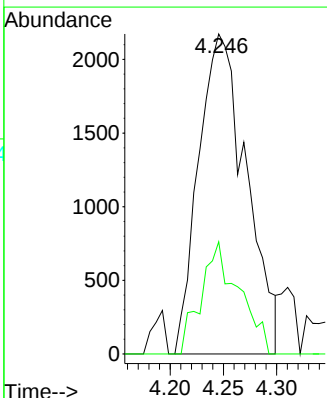
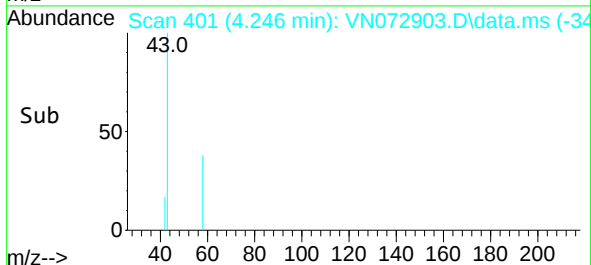
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

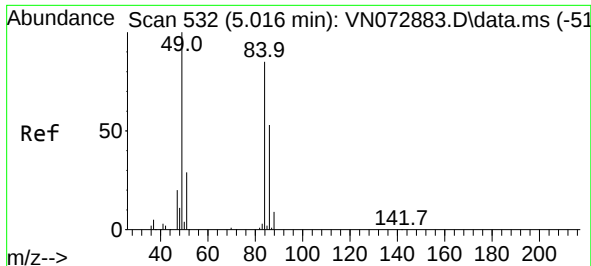


#16
Acetone
Concen: 1.284 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.024 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18



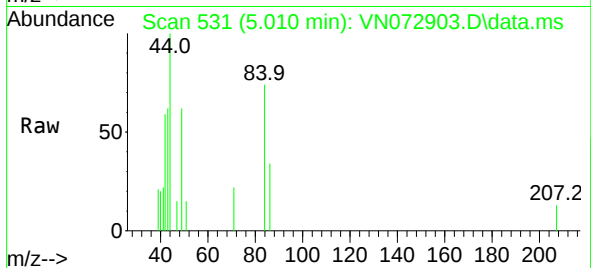
Tgt Ion: 43 Resp: 6771
Ion Ratio Lower Upper
43 100
58 35.1 26.0 39.0



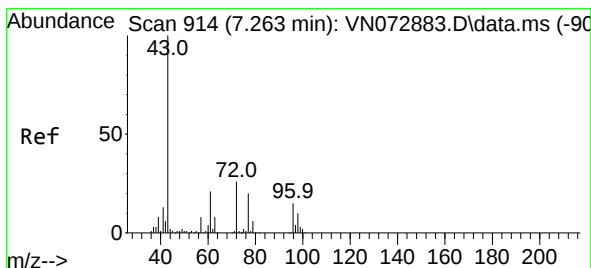
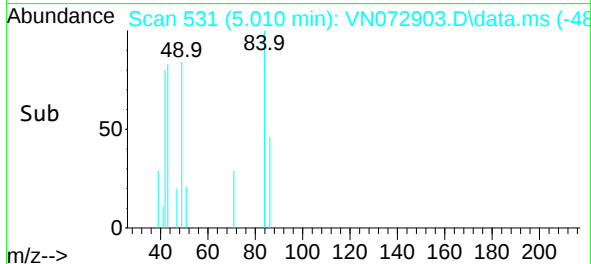
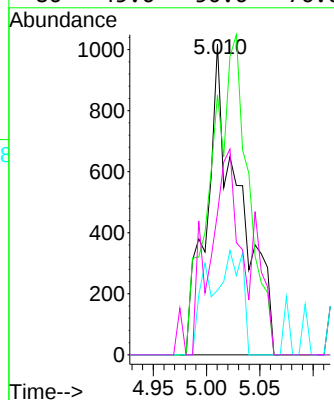


#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Instrument :
MSVOA_N
ClientSampleId :

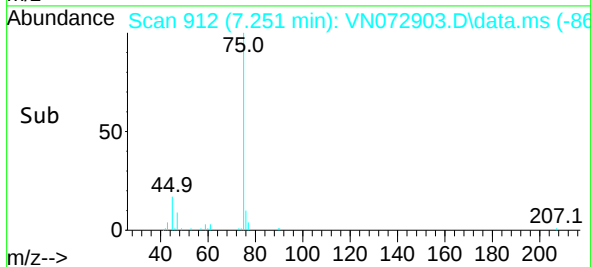
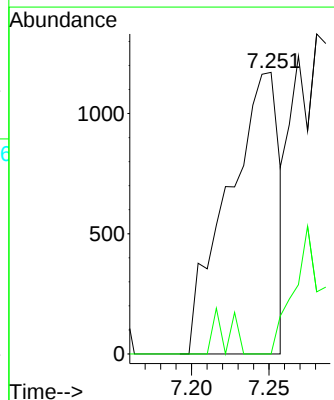
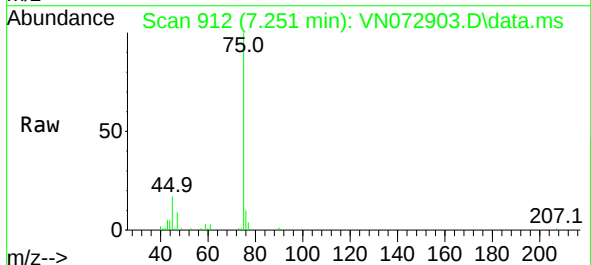


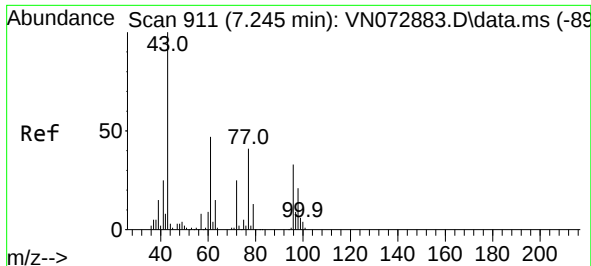
Tgt Ion: 84 Resp: 2185
Ion Ratio Lower Upper
84 100
49 83.8 88.3 132.5#
51 20.8 28.2 42.2#
86 45.6 50.6 76.0#



#25
2-Butanone
Concen: 0.319 ug/l
RT: 7.251 min Scan# 912
Delta R.T. -0.012 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Tgt Ion: 43 Resp: 2678
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

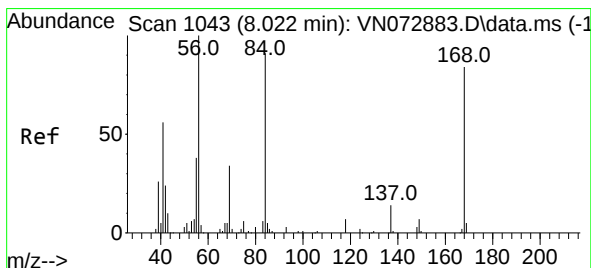
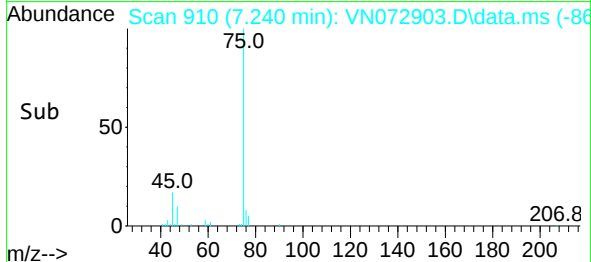
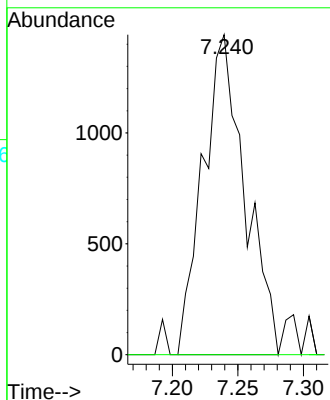
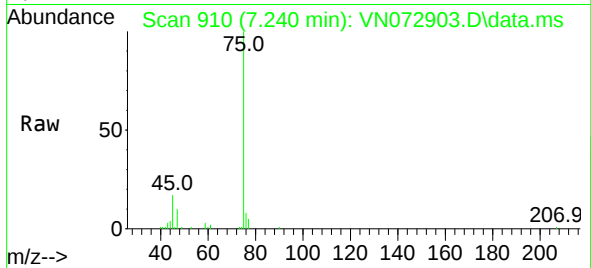




#26
2,2-Dichloropropane
Concen: 0.231 ug/l
RT: 7.240 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

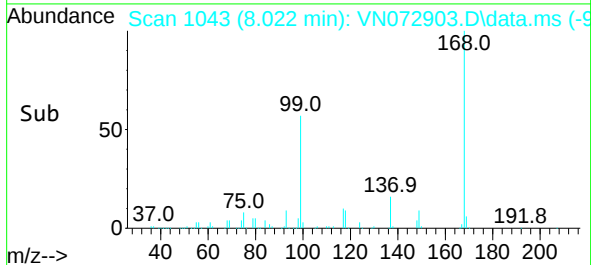
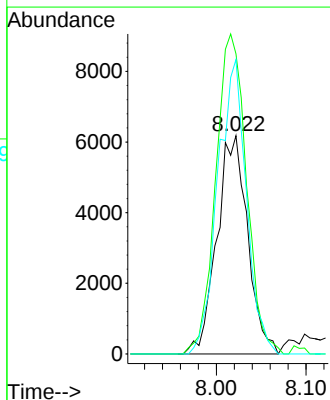
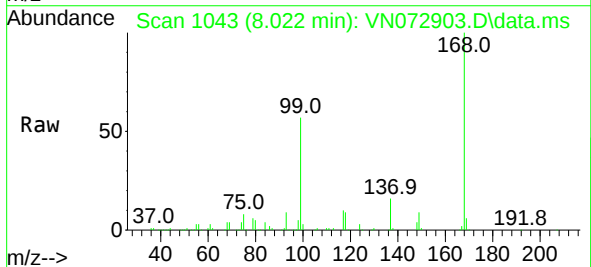
Instrument :
MSVOA_N
ClientSampleId :

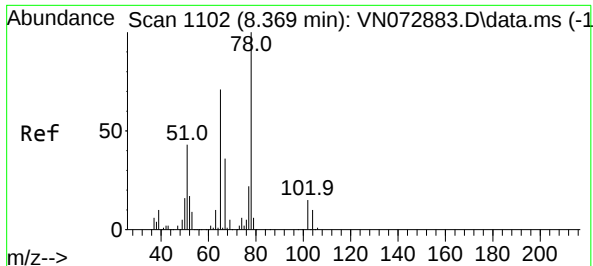
Tgt Ion: 77 Resp: 3224
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.050 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Tgt Ion: 56 Resp: 14716
Ion Ratio Lower Upper
56 100
69 137.6 27.8 41.8#
84 134.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 44.375 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN072903.D

Acq: 17 Jun 2022 01:18

Instrument :

MSVOA_N

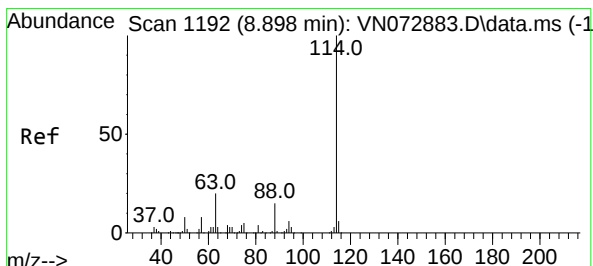
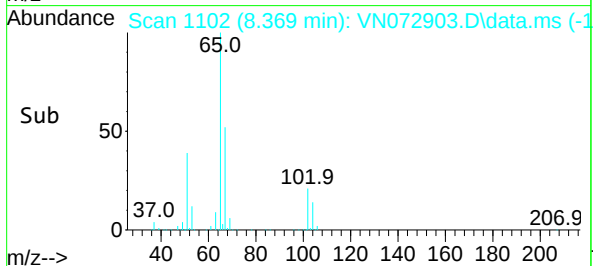
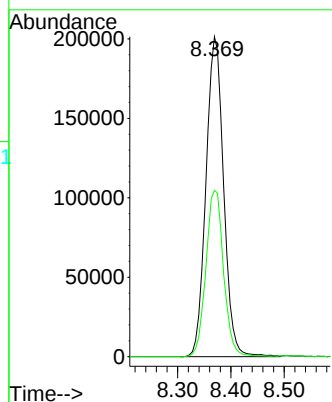
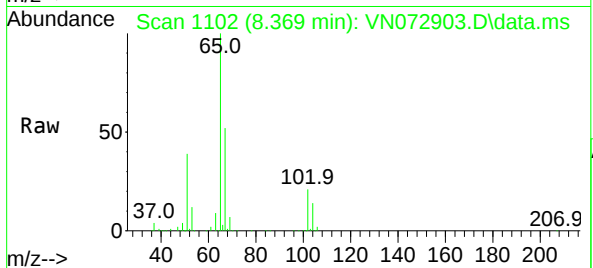
ClientSampleId :

Tgt Ion: 65 Resp: 463784

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072903.D

Acq: 17 Jun 2022 01:18

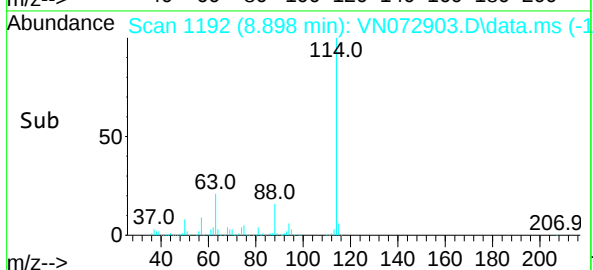
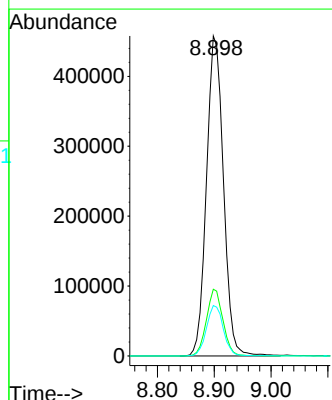
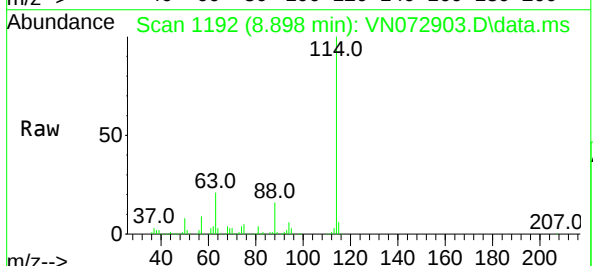
Tgt Ion: 114 Resp: 948650

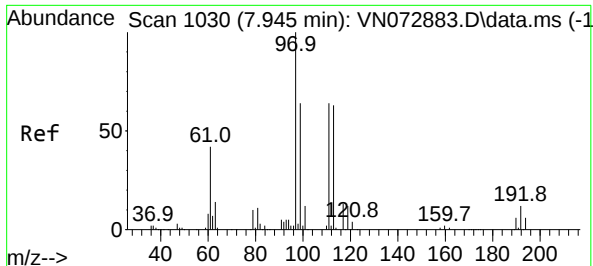
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.8 0.0 32.6

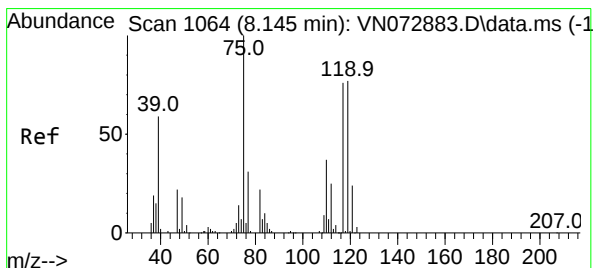
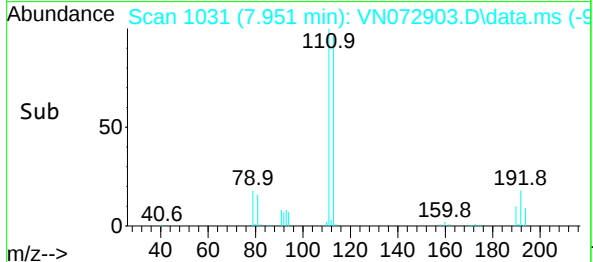
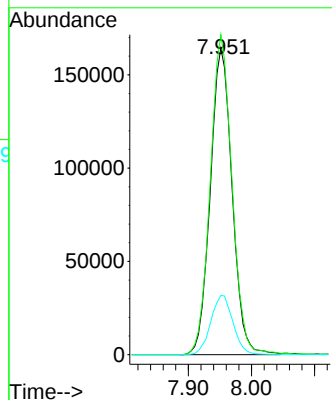
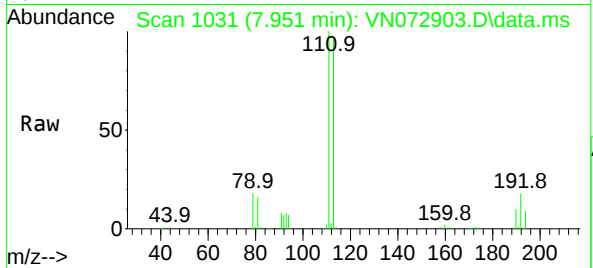




#35
Dibromofluoromethane
Concen: 45.752 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

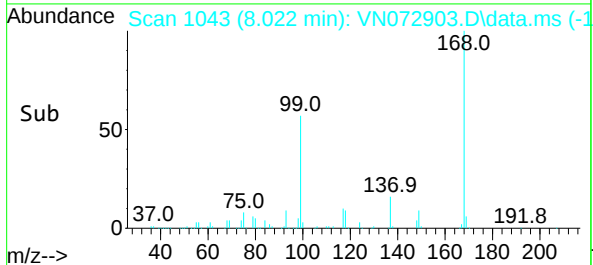
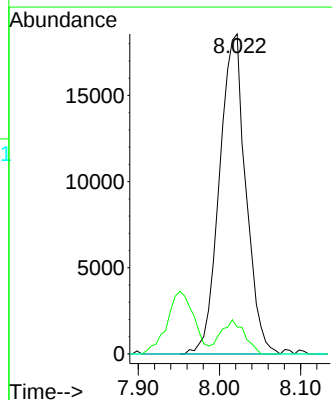
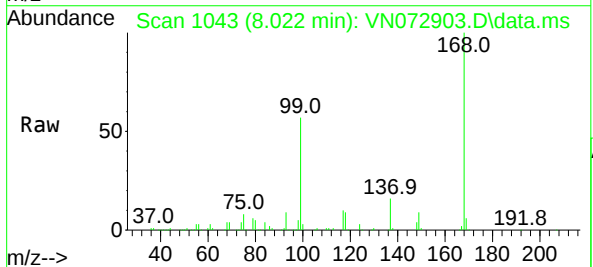
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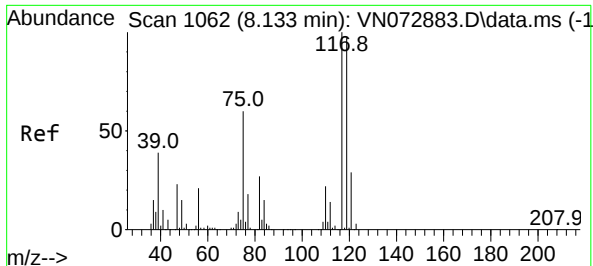
Tgt Ion:113 Resp: 394253
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.0
192 19.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 3.562 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.123 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

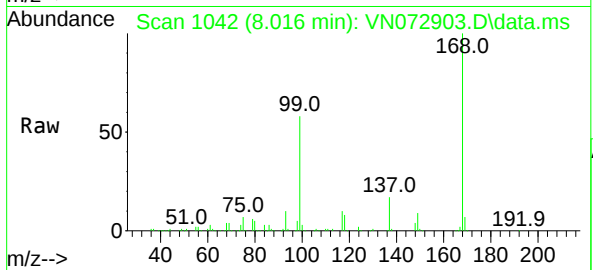
Tgt Ion: 75 Resp: 41924
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 25.1 37.7#



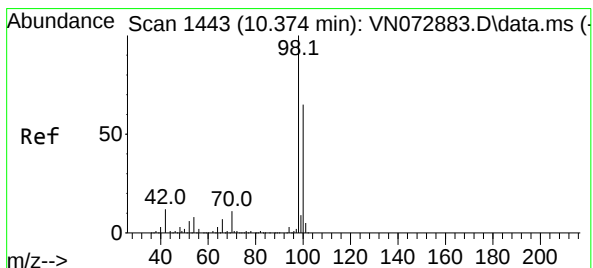
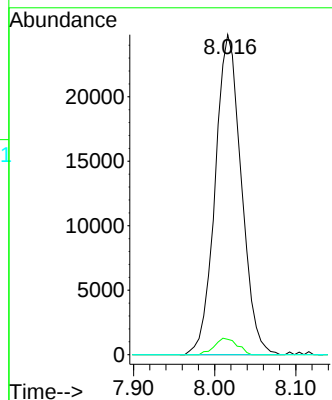
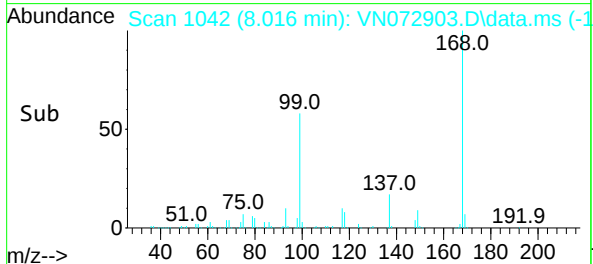


#38
Carbon Tetrachloride
Concen: 4.388 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.117 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Instrument :
MSVOA_N
ClientSampleId :

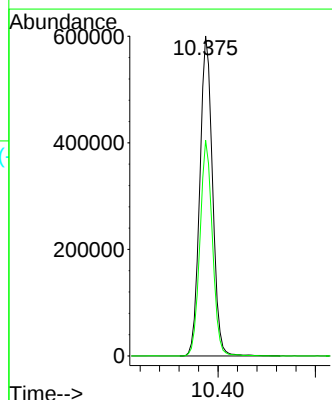
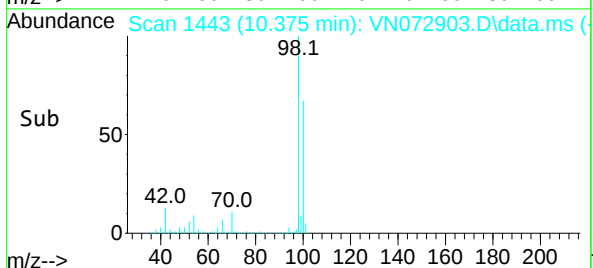
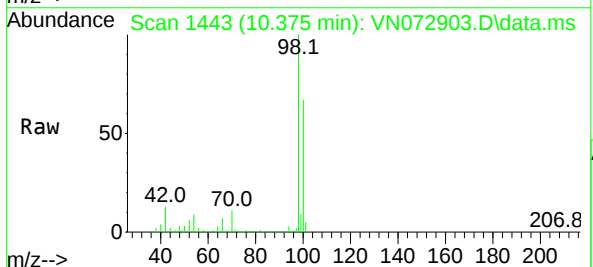


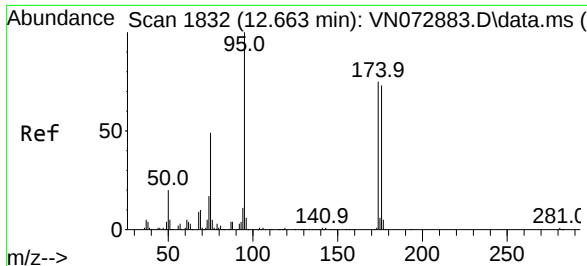
Tgt Ion:117 Resp: 55599
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 32.336 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Tgt Ion: 98 Resp: 1090682
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8

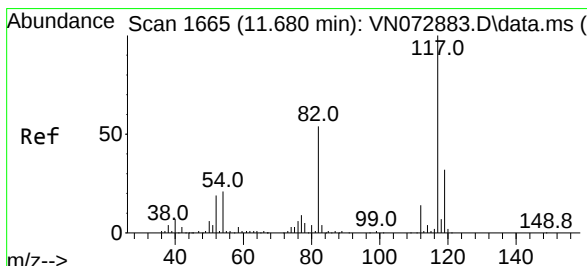
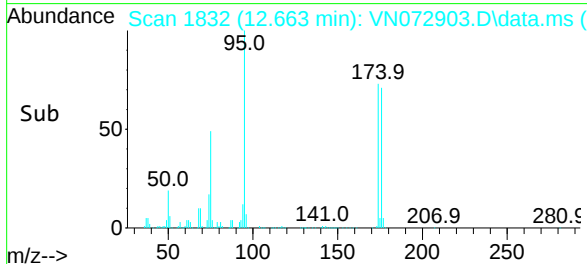
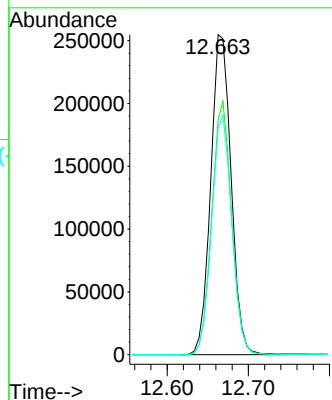
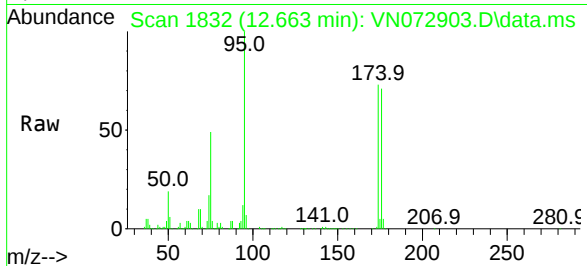




#62
4-Bromofluorobenzene
Concen: 37.930 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

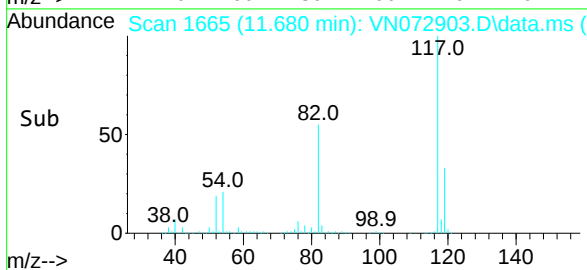
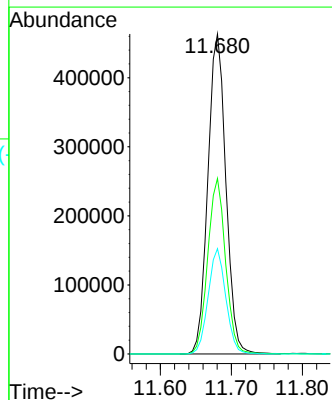
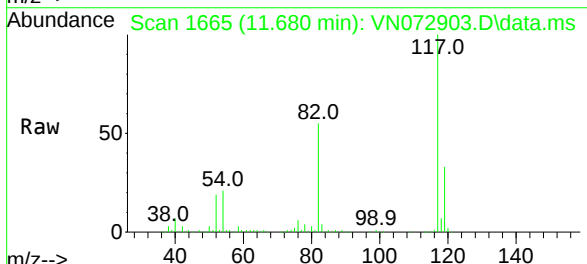
Instrument :
MSVOA_N
ClientSampleId :

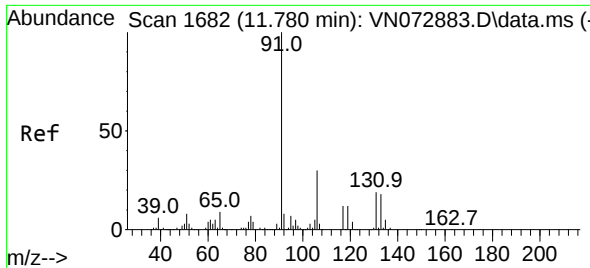
Tgt Ion: 95 Resp: 443809
Ion Ratio Lower Upper
95 100
174 77.1 0.0 167.6
176 74.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Tgt Ion: 117 Resp: 816865
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.9 25.4 38.0

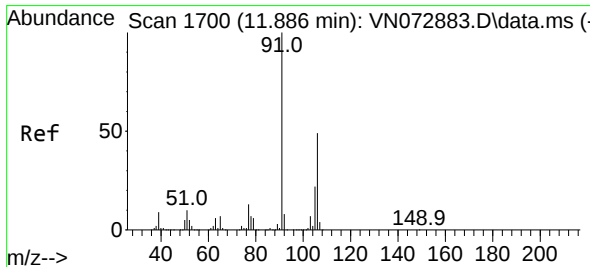
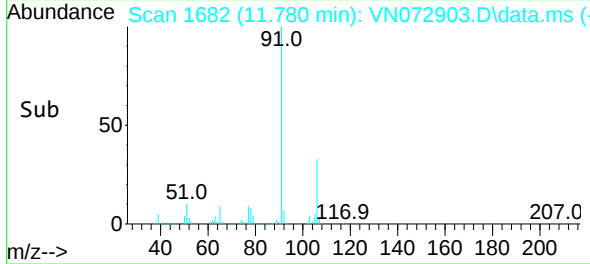
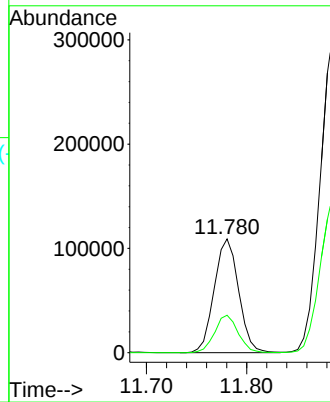
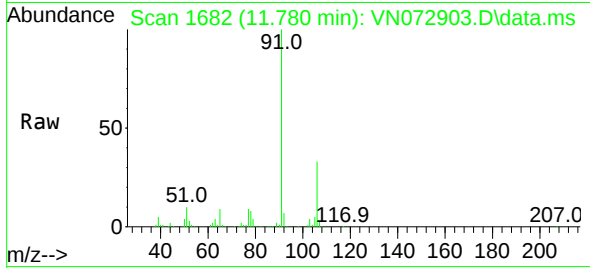




#67
Ethyl Benzene
Concen: 4.855 ug/l
RT: 11.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

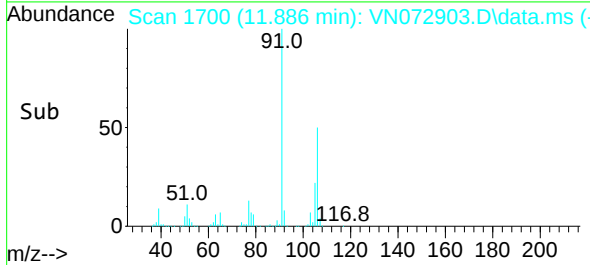
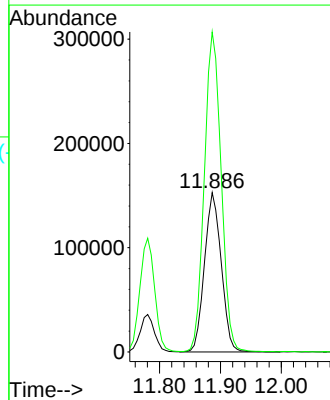
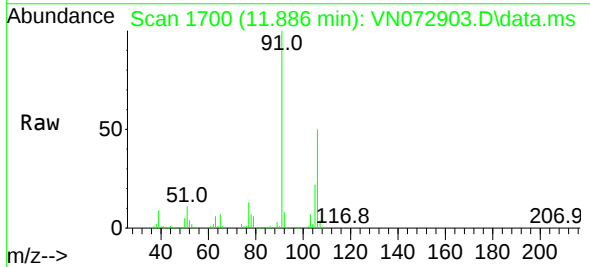
Instrument :
MSVOA_N
ClientSampleId :

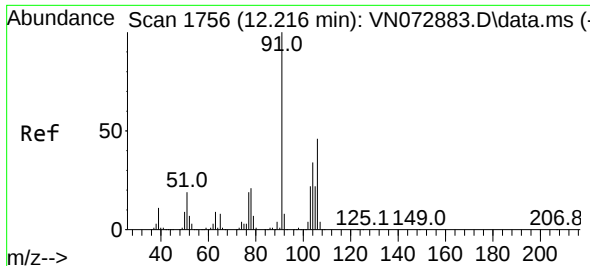
Tgt Ion: 91 Resp: 184693
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3



#68
m/p-Xylenes
Concen: 20.024 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Tgt Ion:106 Resp: 292464
Ion Ratio Lower Upper
106 100
91 200.7 158.9 238.3

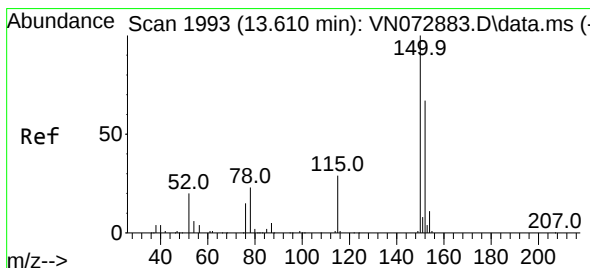
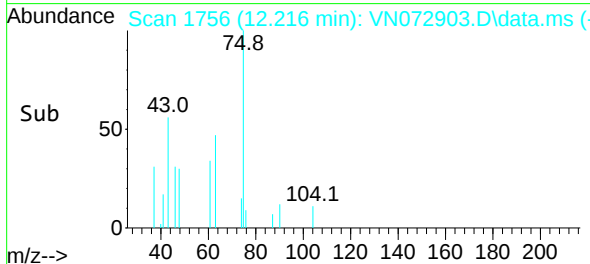
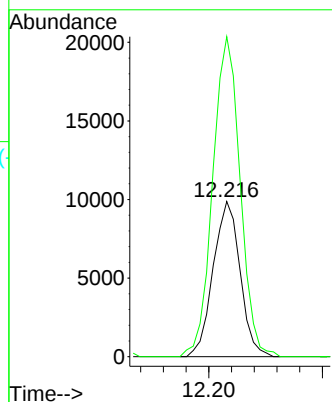
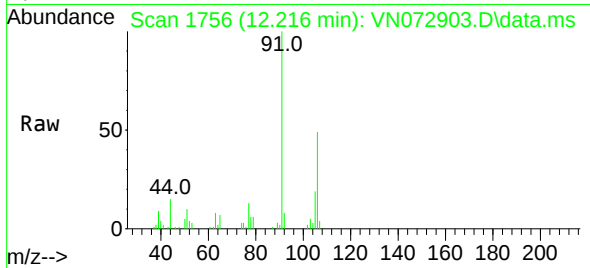




#69
o-Xylene
Concen: 1.086 ug/l
RT: 12.216 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

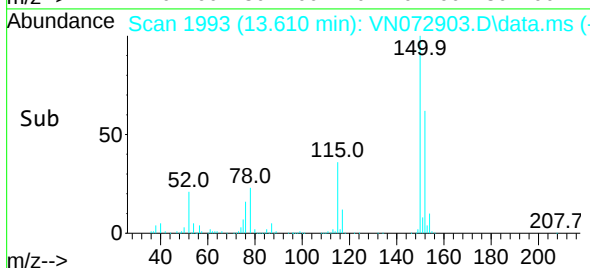
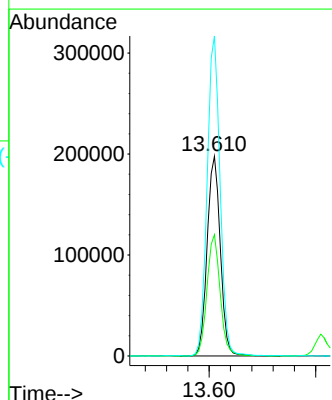
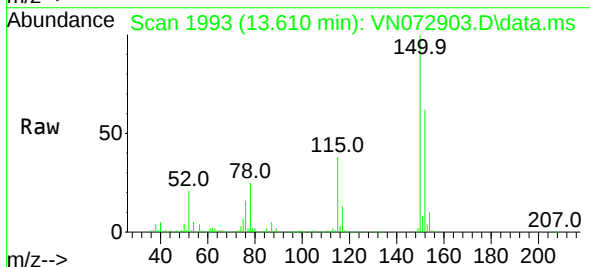
Instrument :
MSVOA_N
ClientSampleId :

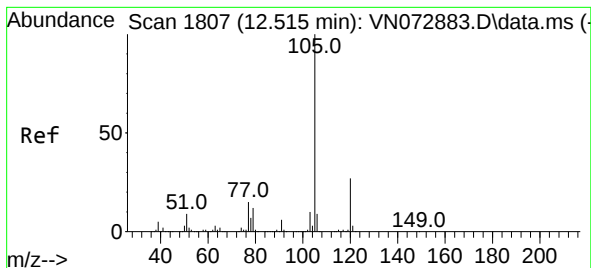
Tgt Ion:106 Resp: 16277
Ion Ratio Lower Upper
106 100
91 209.4 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Tgt Ion:152 Resp: 339381
Ion Ratio Lower Upper
152 100
115 60.9 28.9 86.7
150 157.1 0.0 356.2





#73

Isopropylbenzene

Concen: 0.325 ug/l

RT: 12.516 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072903.D

Acq: 17 Jun 2022 01:18

Instrument :

MSVOA_N

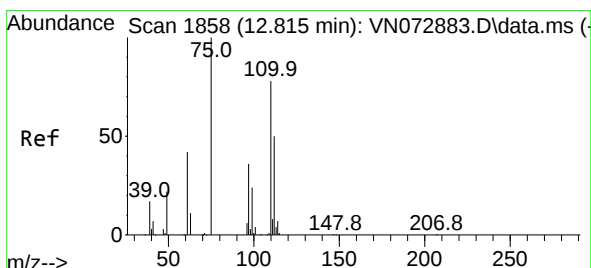
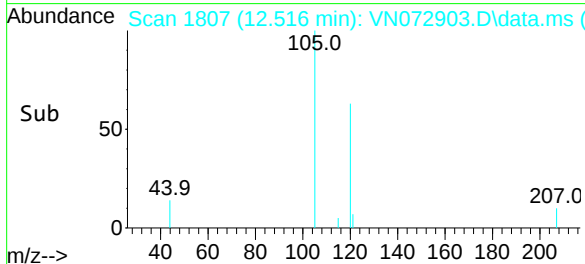
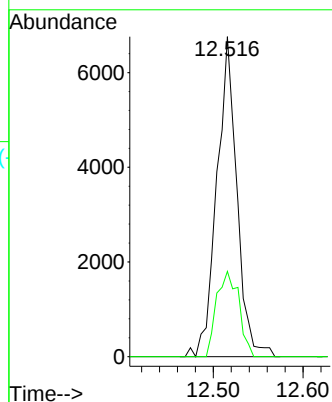
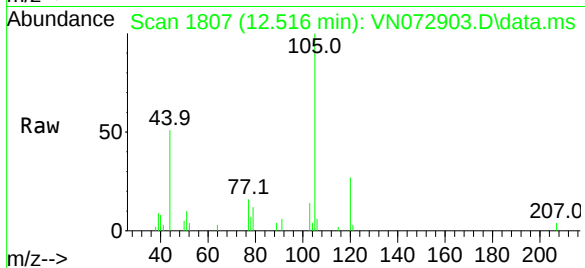
ClientSampleId :

Tgt Ion:105 Resp: 10511

Ion Ratio Lower Upper

105 100

120 29.4 13.5 40.4



#76

1,2,3-Trichloropropane

Concen: 21.959 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN072903.D

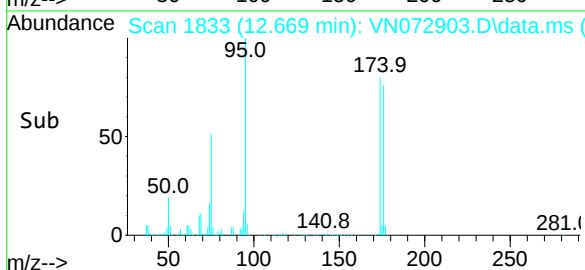
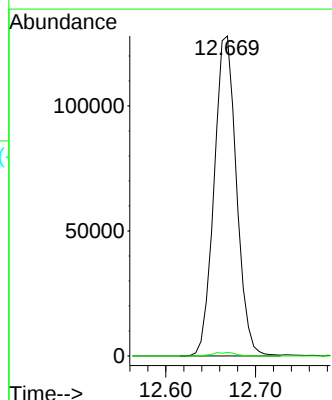
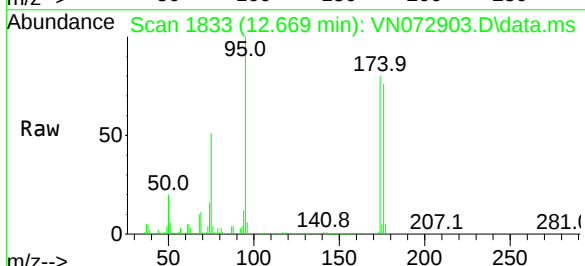
Acq: 17 Jun 2022 01:18

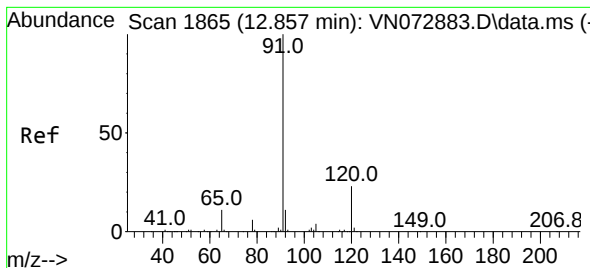
Tgt Ion: 75 Resp: 221520

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#





#78

n-propylbenzene

Concen: 0.667 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. 0.000 min

Lab File: VN072903.D

Acq: 17 Jun 2022 01:18

Instrument :

MSVOA_N

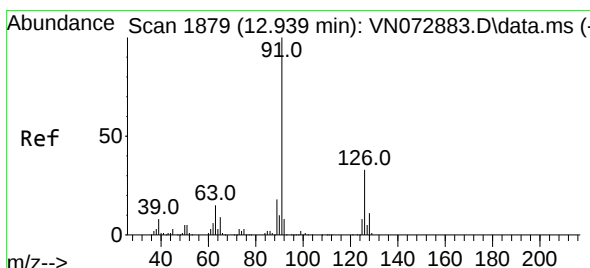
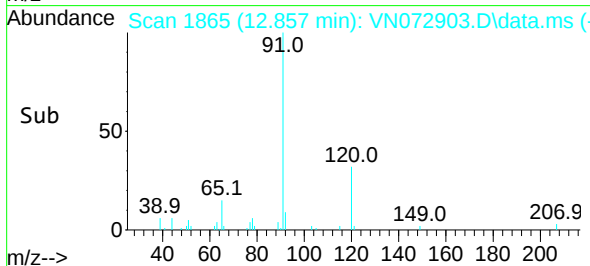
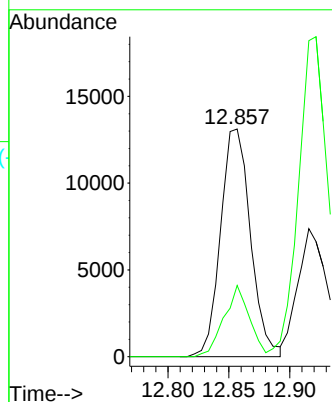
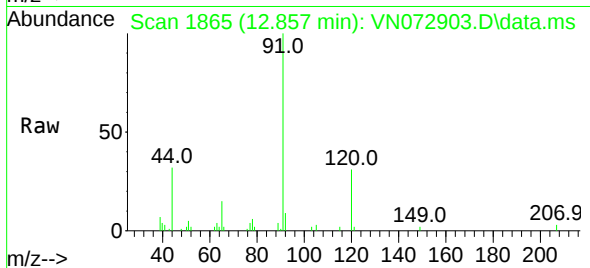
ClientSampleId :

Tgt Ion: 91 Resp: 22519

Ion Ratio Lower Upper

91 100

120 26.5 11.9 35.5



#79

2-Chlorotoluene

Concen: 0.505 ug/l

RT: 12.916 min Scan# 1875

Delta R.T. -0.023 min

Lab File: VN072903.D

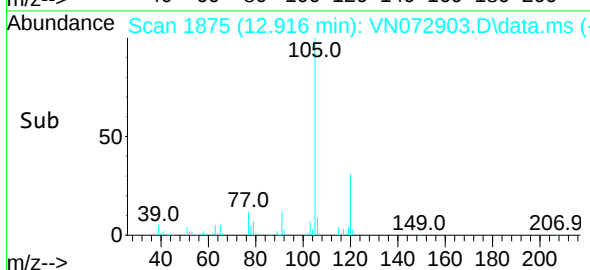
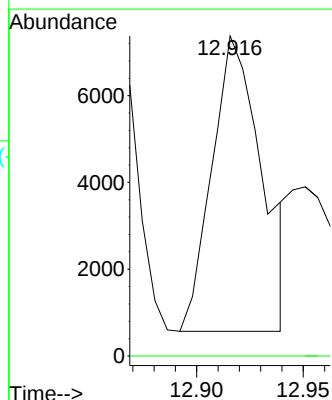
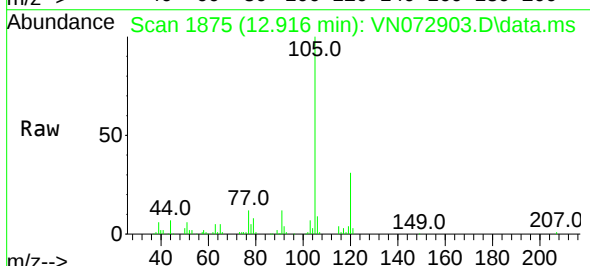
Acq: 17 Jun 2022 01:18

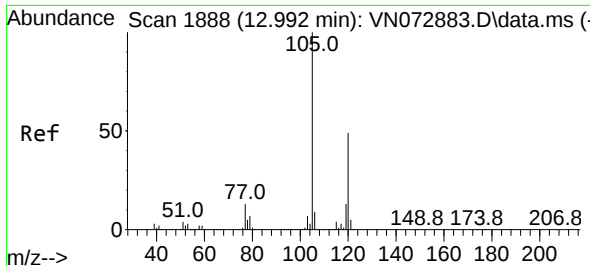
Tgt Ion: 91 Resp: 11075

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#

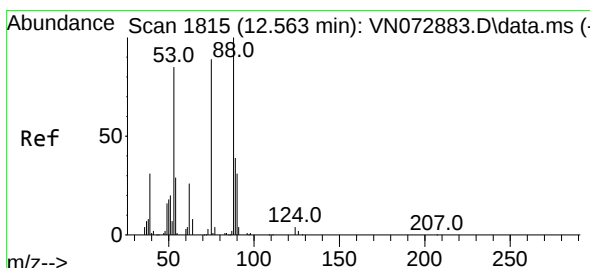
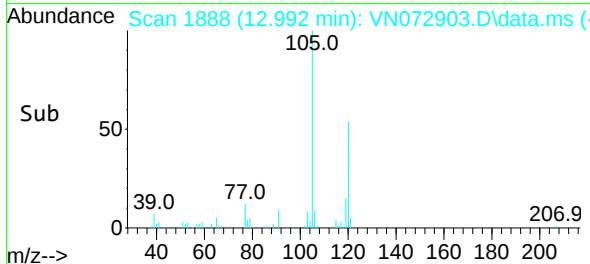
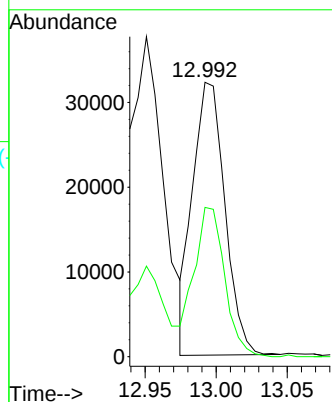
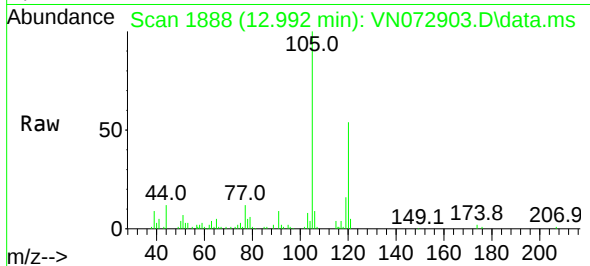




#80
 1,3,5-Trimethylbenzene
 Concen: 1.956 ug/l
 RT: 12.992 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN072903.D
 Acq: 17 Jun 2022 01:18

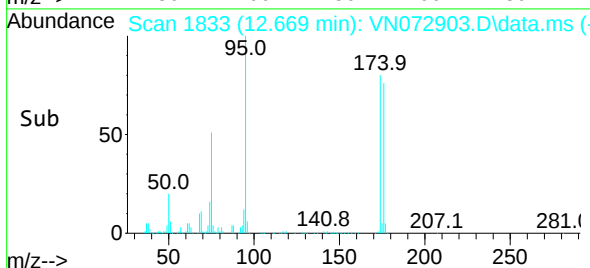
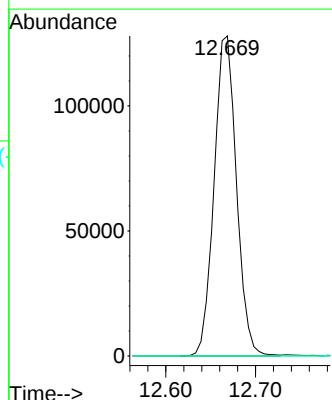
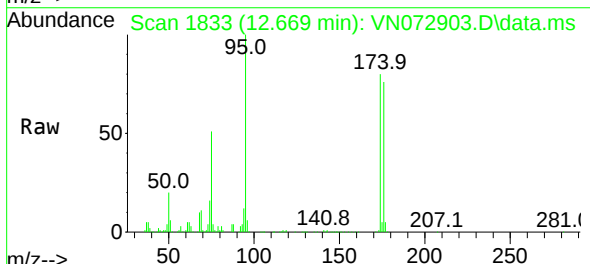
Instrument :
 MSVOA_N
 ClientSampleId :

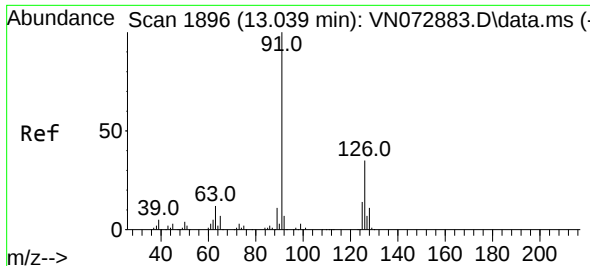
Tgt Ion:105 Resp: 50737
 Ion Ratio Lower Upper
 105 100
 120 54.6 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.545 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. 0.106 min
 Lab File: VN072903.D
 Acq: 17 Jun 2022 01:18

Tgt Ion: 75 Resp: 221520
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

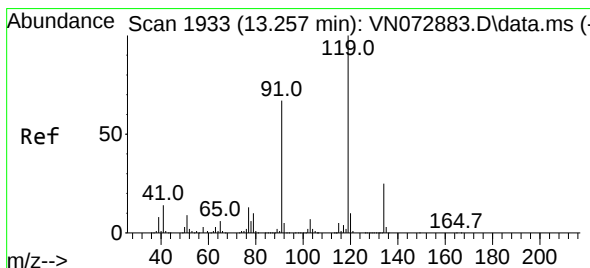
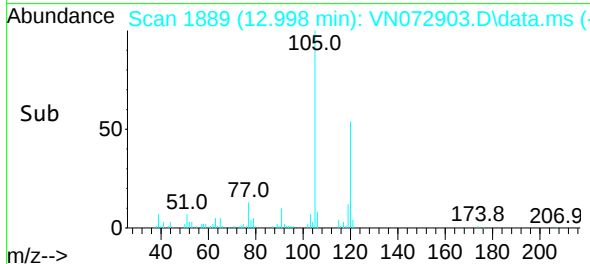
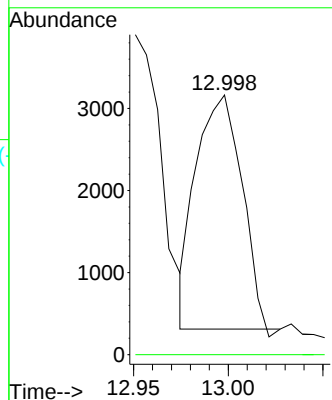
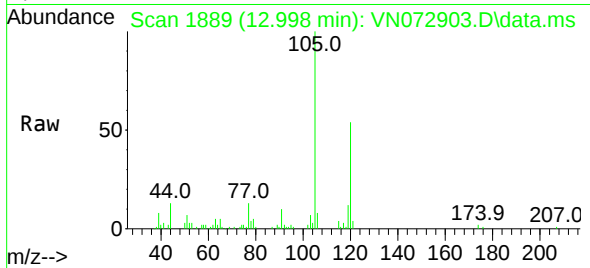




#82
4-Chlorotoluene
Concen: 0.236 ug/l
RT: 12.998 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

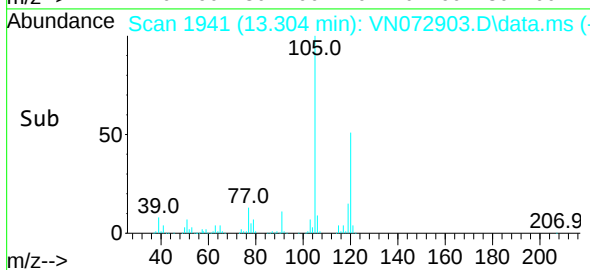
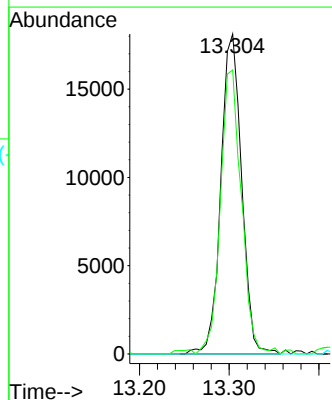
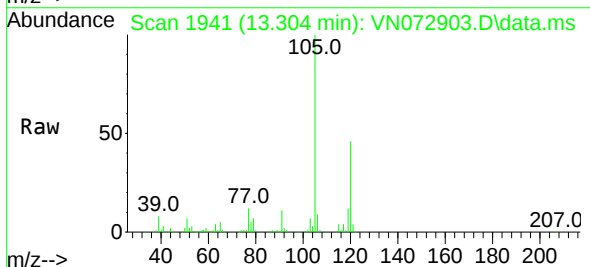
Instrument :
MSVOA_N
ClientSampleId :

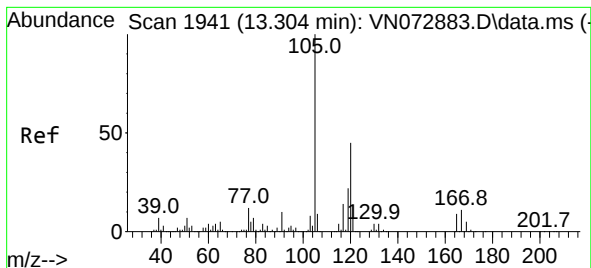
Tgt Ion: 91 Resp: 4784
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#83
tert-Butylbenzene
Concen: 1.255 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.047 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

Tgt Ion: 119 Resp: 29140
Ion Ratio Lower Upper
119 100
91 89.6 31.6 94.8
134 0.0 13.7 41.1#





#84

1,2,4-Trimethylbenzene

Concen: 9.758 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. 0.000 min

Lab File: VN072903.D

Acq: 17 Jun 2022 01:18

Instrument :

MSVOA_N

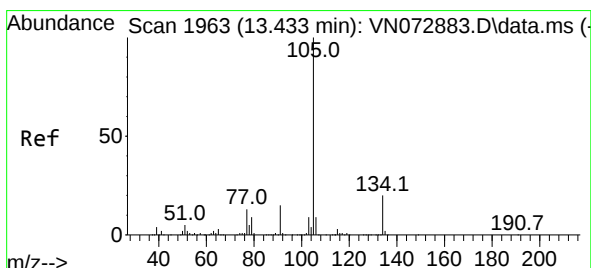
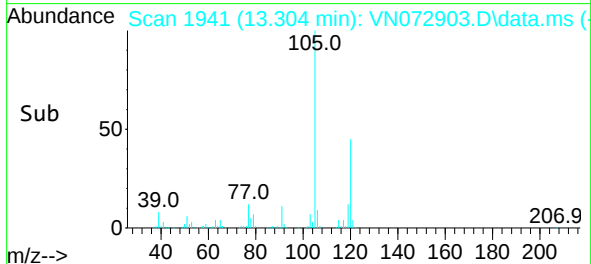
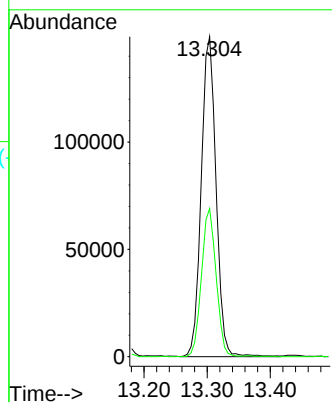
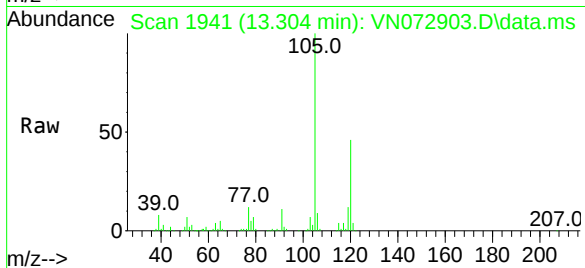
ClientSampleId :

Tgt Ion:105 Resp: 243323

Ion Ratio Lower Upper

105 100

120 45.7 23.3 69.8



#85

sec-Butylbenzene

Concen: 8.085 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.129 min

Lab File: VN072903.D

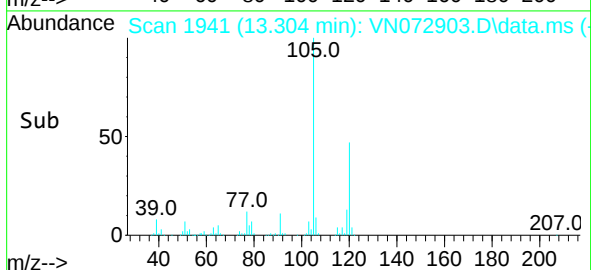
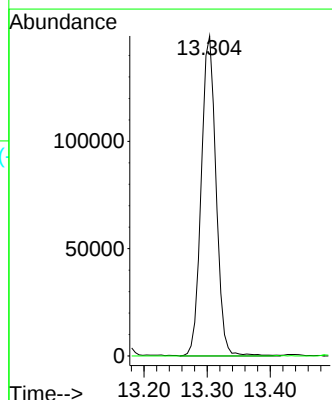
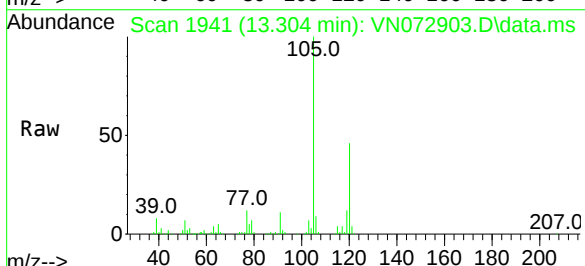
Acq: 17 Jun 2022 01:18

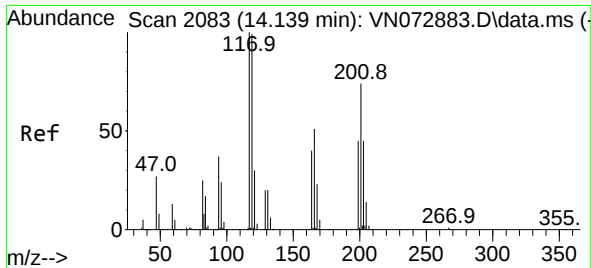
Tgt Ion:105 Resp: 243323

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#

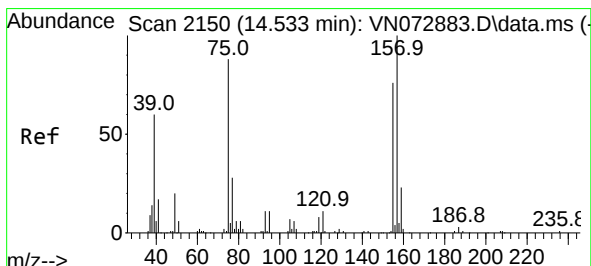
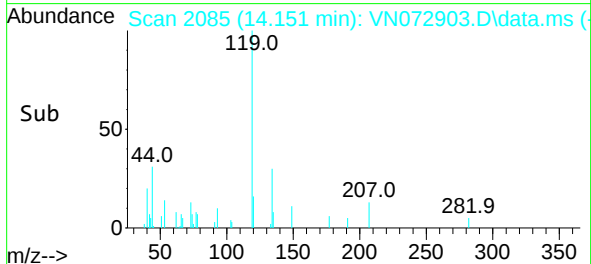
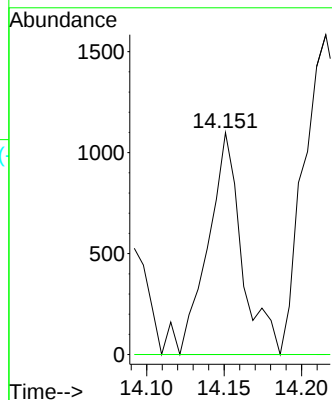
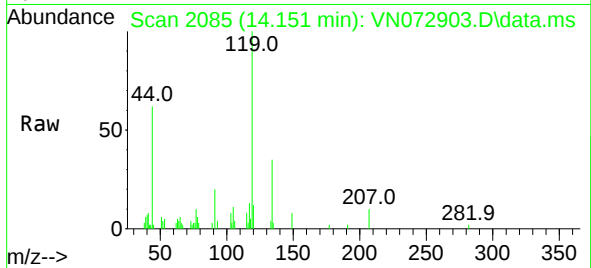




#90
Hexachloroethane
Concen: 0.313 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.012 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

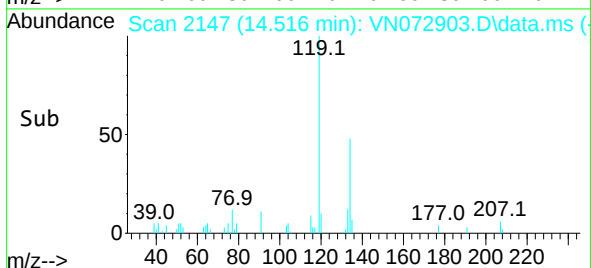
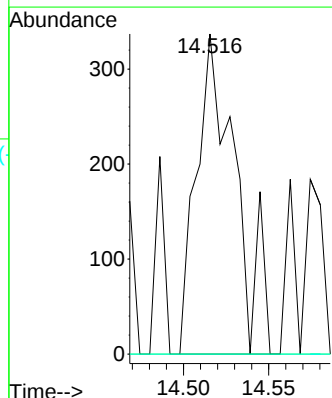
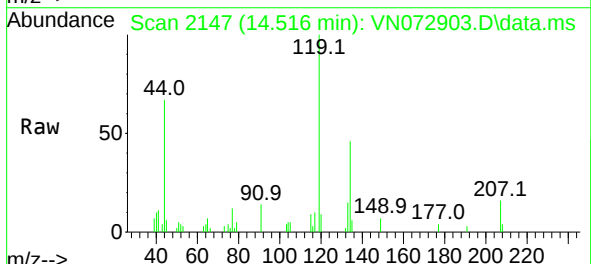
Instrument :
MSVOA_N
ClientSampleId :

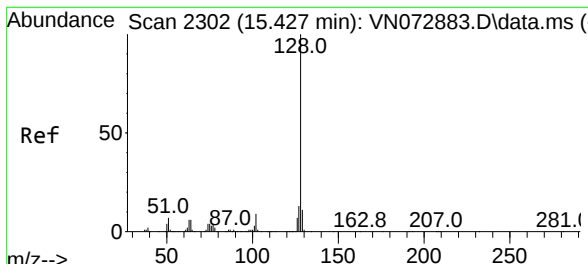
Tgt Ion:117 Resp: 1646
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.516 min Scan# 2147
Delta R.T. -0.017 min
Lab File: VN072903.D
Acq: 17 Jun 2022 01:18

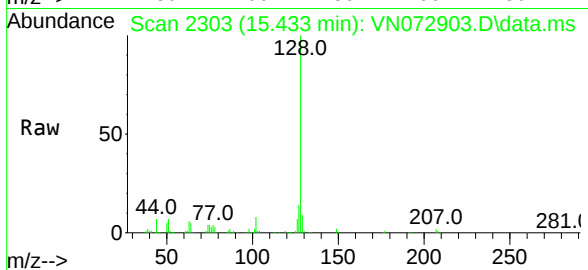
Tgt Ion: 75 Resp: 540
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 0.0 59.0 176.8#





#95
 Naphthalene
 Concen: 7.274 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN072903.D
 Acq: 17 Jun 2022 01:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 156407
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.3 15.5
 129 10.7 8.6 13.0

