

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072905.D
 Acq On : 17 Jun 2022 02:07
 Operator : JC\MD
 Sample : N3286-08 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 06:09:28 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)

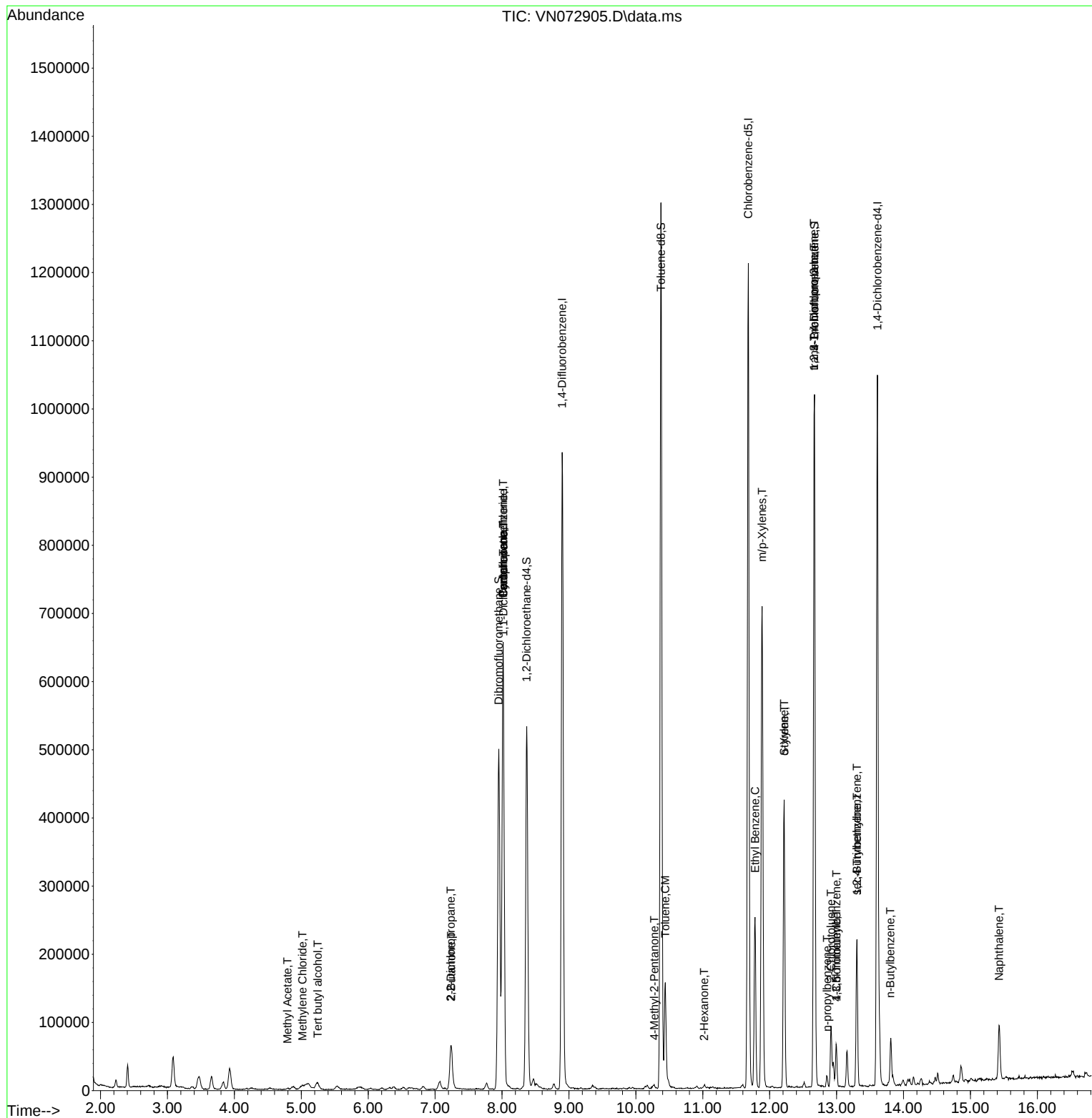
Internal Standards						
1) Pentafluorobenzene	8.016	168	504937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	845813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	713172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	289090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	443027	47.490	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.980%		
35) Dibromofluoromethane	7.951	113	370585	48.234	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.460%		
50) Toluene-d8	10.375	98	894976	29.760	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	59.520%#		
62) 4-Bromofluorobenzene	12.669	95	376213	36.062	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	72.120%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.246	59	10515	4.329	ug/l #	72
13) Acrolein	3.928	56	1143	Below Cal	#	1
18) Methyl Acetate	4.793	43	3411	0.254	ug/l #	72
20) Methylene Chloride	5.016	84	2627	0.312	ug/l #	85
25) 2-Butanone	7.240	43	4222	0.563	ug/l #	45
26) 2,2-Dichloropropane	7.234	77	4792	0.384	ug/l #	53
31) Cyclohexane	8.016	56	12253	0.980	ug/l #	11
36) 1,1-Dichloropropene	8.022	75	37649	3.588	ug/l #	50
38) Carbon Tetrachloride	8.016	117	48304	4.276	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	4809	0.315	ug/l #	75
52) Toluene	10.439	92	64986	3.004	ug/l	98
59) 2-Hexanone	11.022	43	4368	0.385	ug/l #	60
67) Ethyl Benzene	11.780	91	186363	5.612	ug/l	99
68) m/p-Xylenes	11.886	106	237541	18.629	ug/l	97
69) o-Xylene	12.216	106	117414	8.975	ug/l	98
70) Styrene	12.216	104	6305	0.311	ug/l #	1
76) 1,2,3-Trichloropropane	12.663	75	185490	21.586	ug/l #	1
78) n-propylbenzene	12.857	91	13273	0.462	ug/l	97
79) 2-Chlorotoluene	12.916	91	8857	0.474	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.998	105	30156	1.365	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.663	75	185490	61.483	ug/l #	10
82) 4-Chlorotoluene	12.998	91	3547	0.205	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.304	105	124612	5.867	ug/l	99
85) sec-Butylbenzene	13.304	105	124612	4.861	ug/l #	56
89) n-Butylbenzene	13.804	91	7784	0.489	ug/l #	37
92) 1,2-Dibromo-3-Chloropr...	14.521	75	87	Below Cal	#	1
95) Naphthalene	15.427	128	77597	4.237	ug/l	98

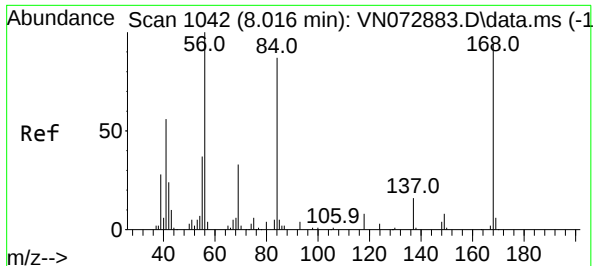
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
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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

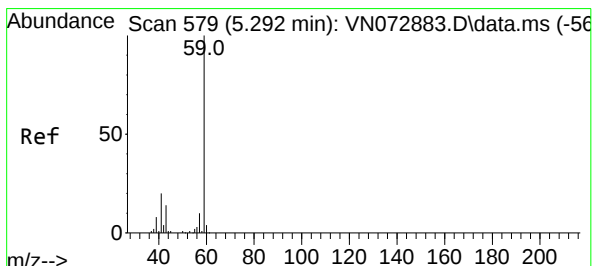
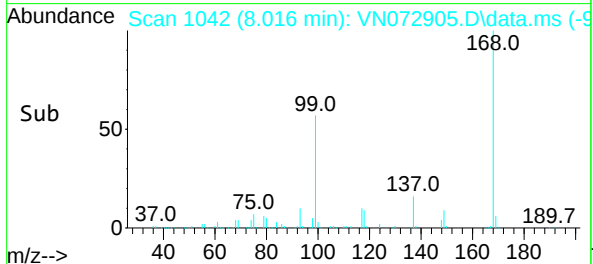
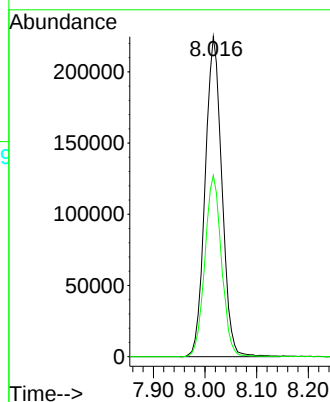
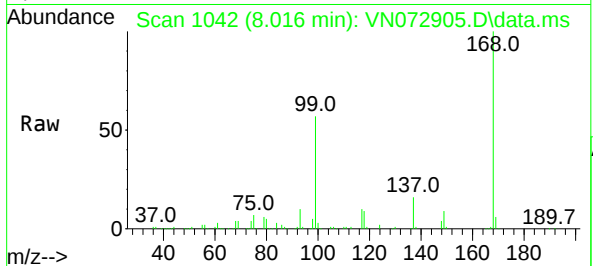




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

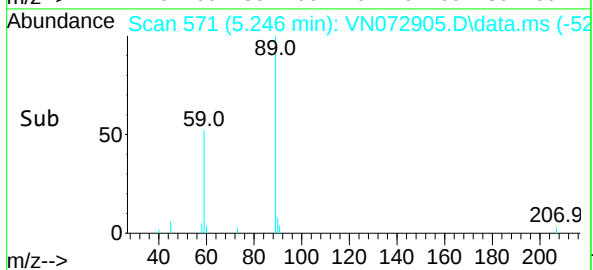
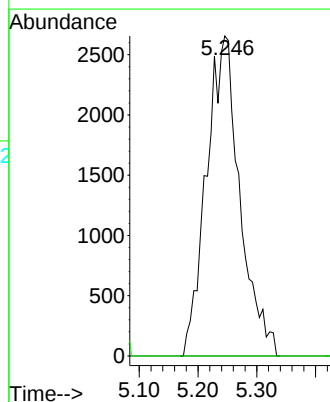
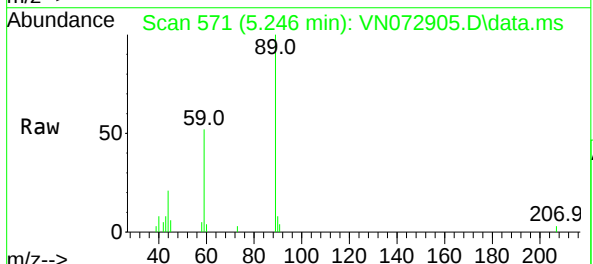
Instrument :
MSVOA_N
ClientSampleId :

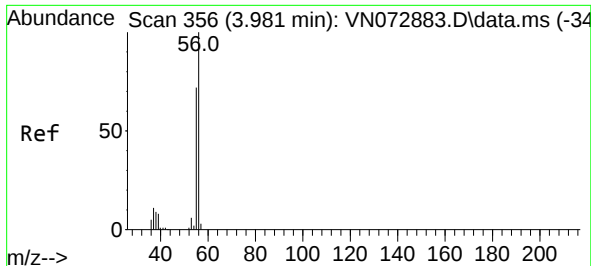
Tgt Ion:168 Resp: 504937
Ion Ratio Lower Upper
168 100
99 56.7 42.3 63.5



#11
Tert butyl alcohol
Concen: 4.329 ug/l
RT: 5.246 min Scan# 571
Delta R.T. -0.047 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

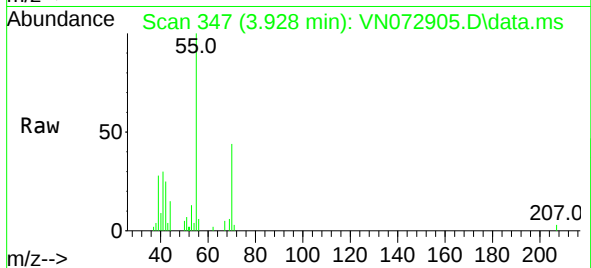
Tgt Ion: 59 Resp: 10515
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



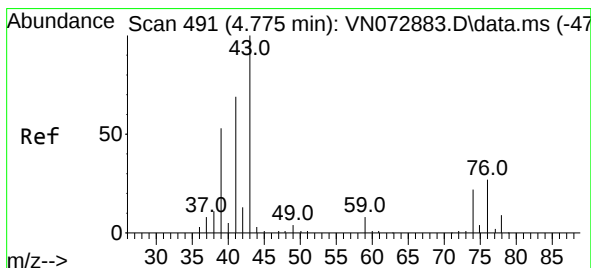
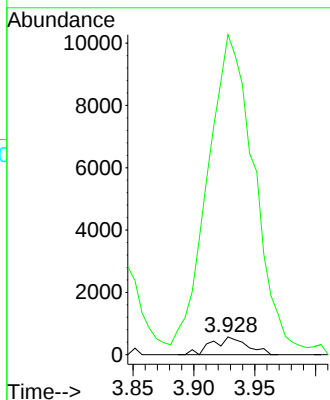
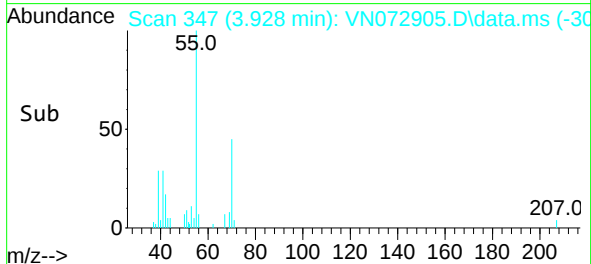


#13
Acrolein
Concen: Below Cal
RT: 3.928 min Scan# 34
Delta R.T. -0.053 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :

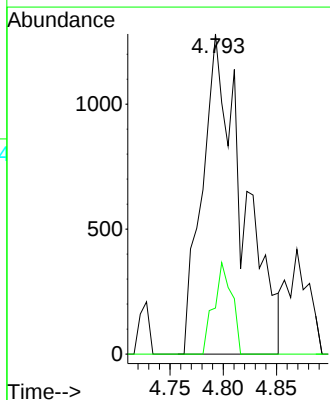
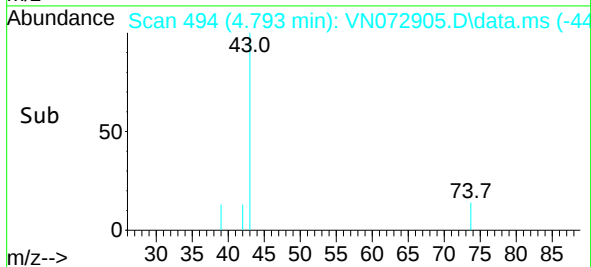
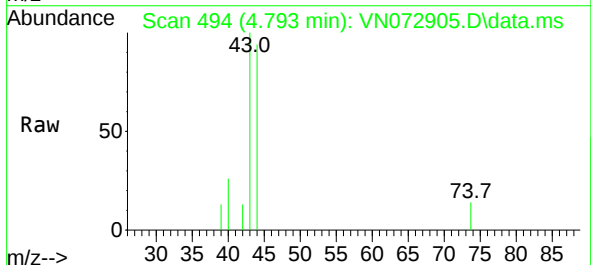


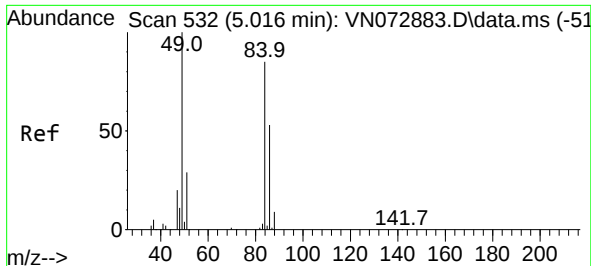
Tgt Ion: 56 Resp: 1143
Ion Ratio Lower Upper
56 100
55 2440.2 54.8 82.2#



#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

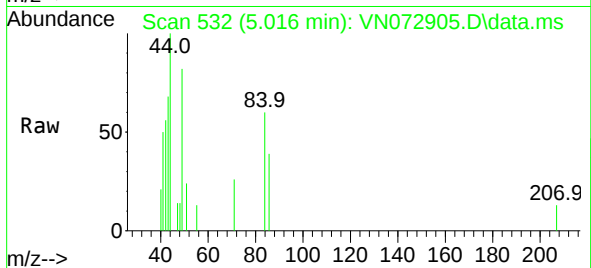
Tgt Ion: 43 Resp: 3411
Ion Ratio Lower Upper
43 100
74 12.5 21.6 32.4#



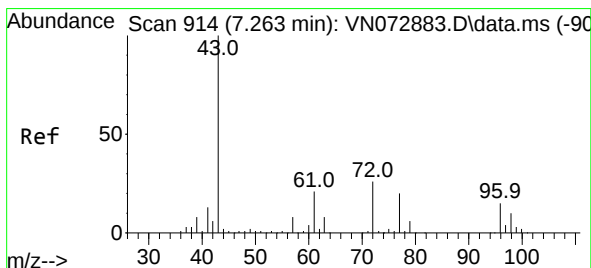
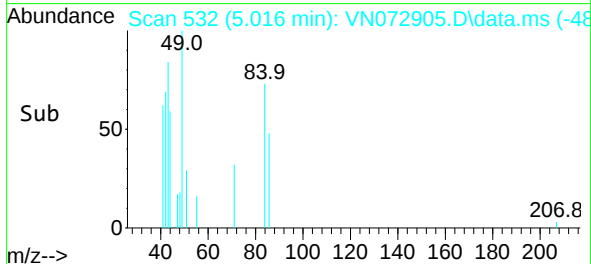
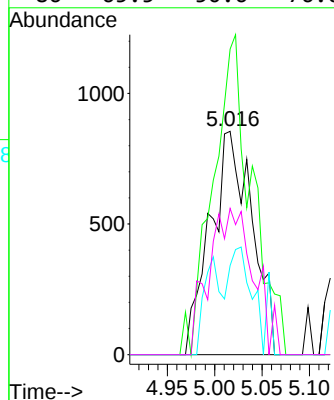


#20
Methylene Chloride
Concen: 0.312 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :

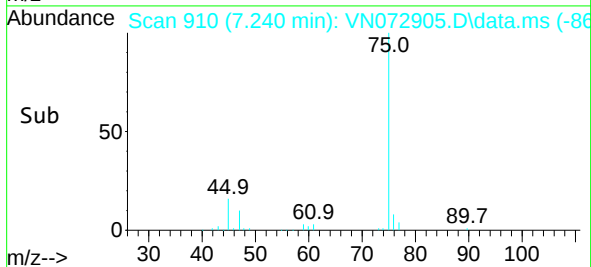
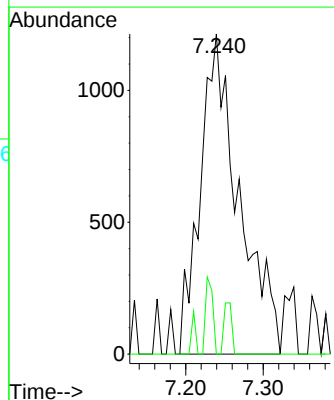
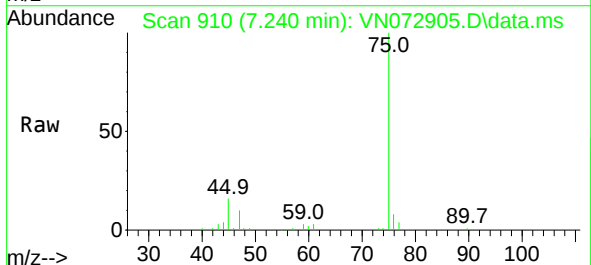


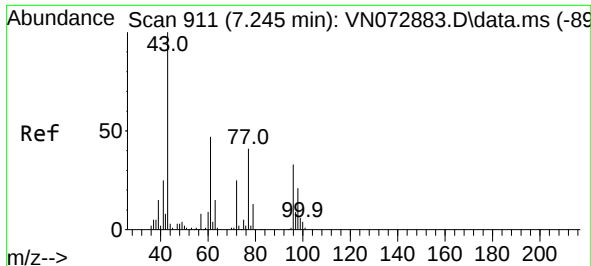
Tgt Ion: 84 Resp: 2627
Ion Ratio Lower Upper
84 100
49 136.8 88.3 132.5#
51 39.9 28.2 42.2
86 65.5 50.6 76.0



#25
2-Butanone
Concen: 0.563 ug/l
RT: 7.240 min Scan# 910
Delta R.T. -0.023 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

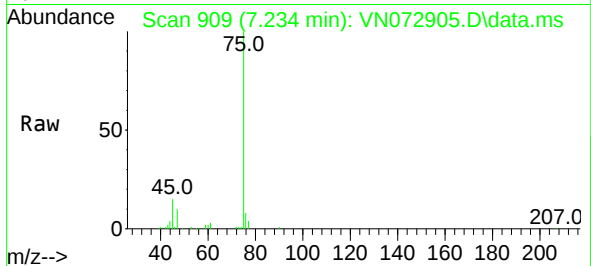
Tgt Ion: 43 Resp: 4222
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



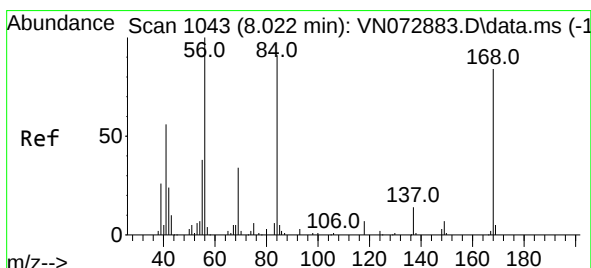
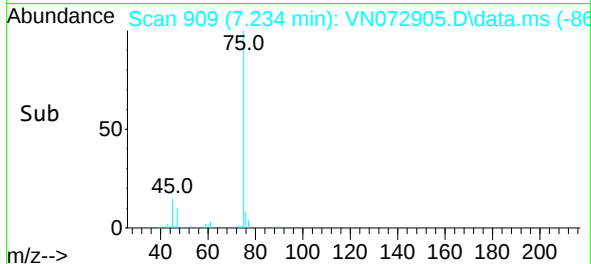
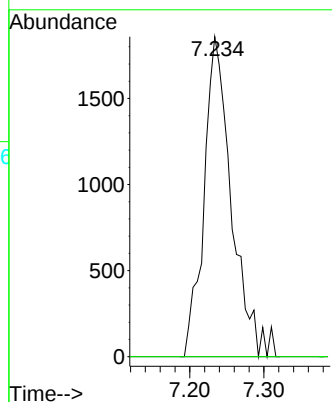


#26
2,2-Dichloropropane
Concen: 0.384 ug/l
RT: 7.234 min Scan# 90
Delta R.T. -0.012 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :

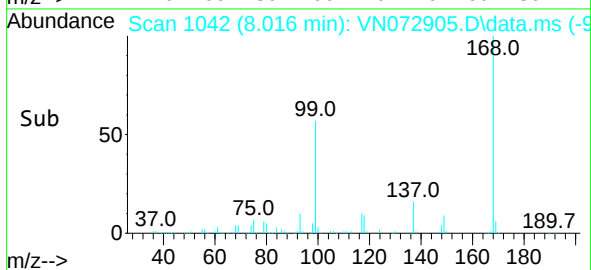
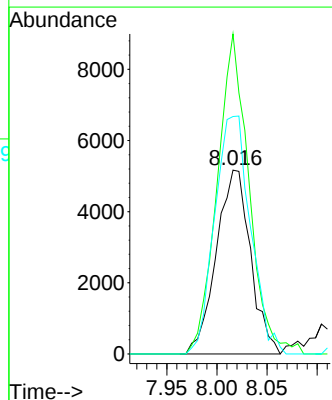
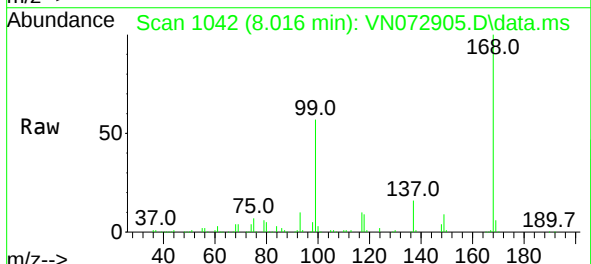


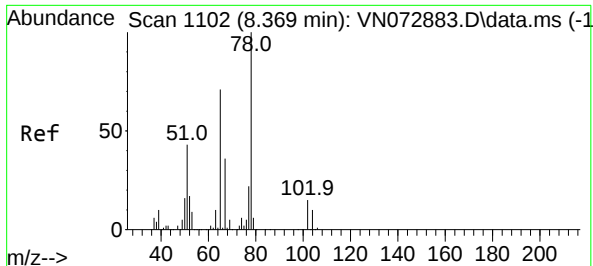
Tgt Ion: 77 Resp: 4792
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 0.980 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Tgt Ion: 56 Resp: 12253
Ion Ratio Lower Upper
56 100
69 174.1 27.8 41.8#
84 129.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.490 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN072905.D

Acq: 17 Jun 2022 02:07

Instrument :

MSVOA_N

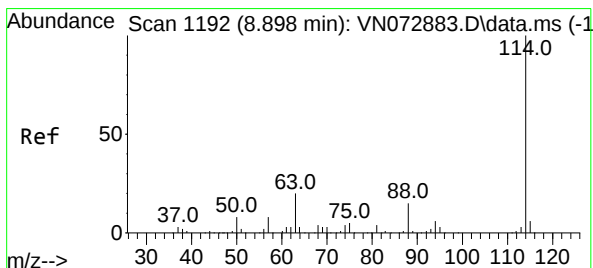
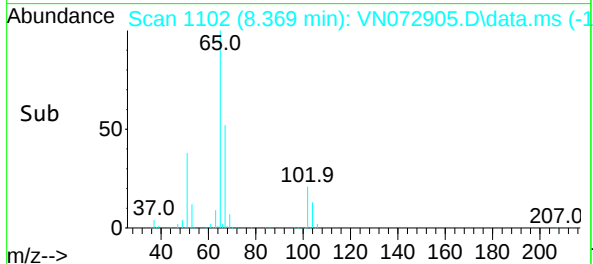
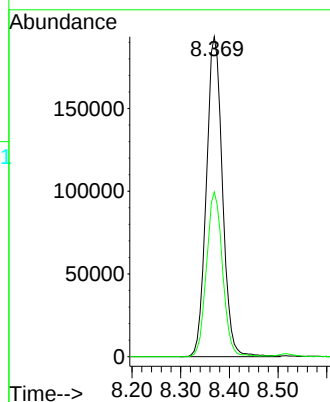
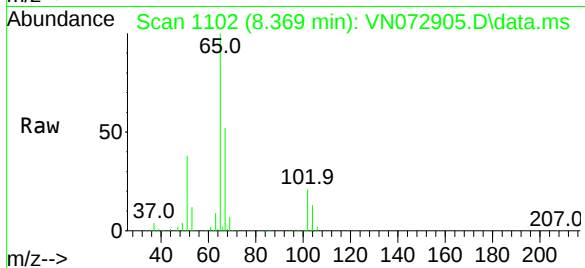
ClientSampleId :

Tgt Ion: 65 Resp: 443027

Ion Ratio Lower Upper

65 100

67 51.2 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: VN072905.D

Acq: 17 Jun 2022 02:07

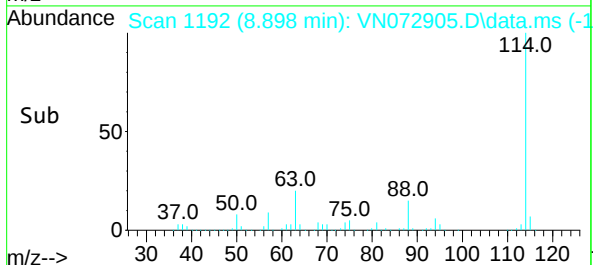
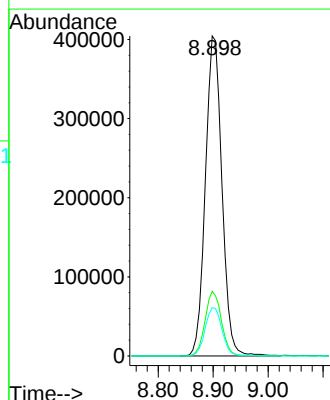
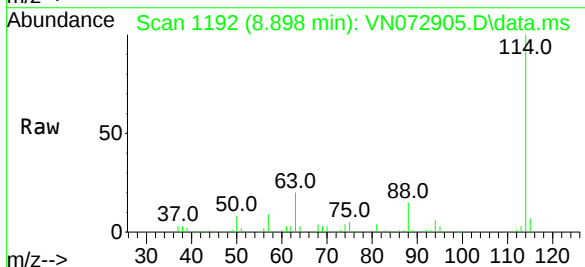
Tgt Ion: 114 Resp: 845813

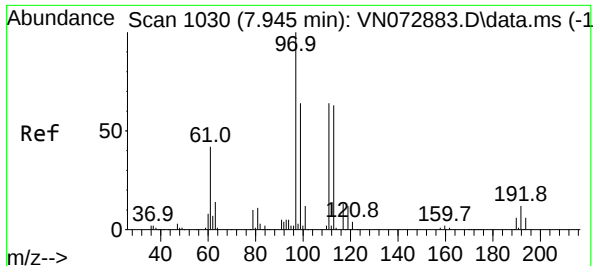
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.234 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.006 min

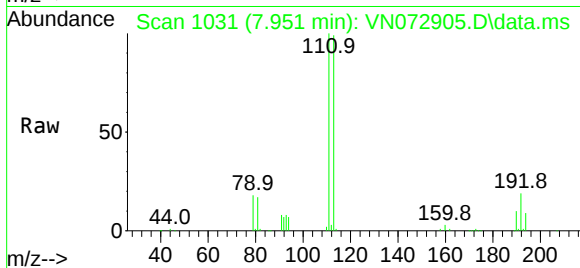
Lab File: VN072905.D

Acq: 17 Jun 2022 02:07

Instrument :

MSVOA_N

ClientSampleId :



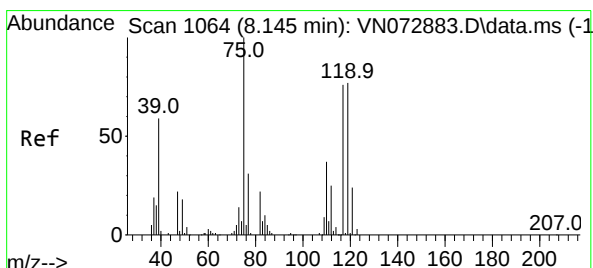
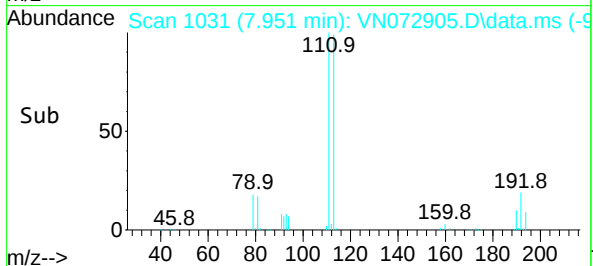
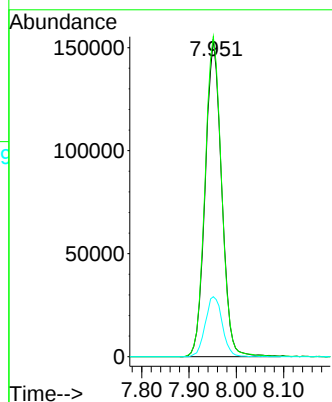
Tgt Ion:113 Resp: 370585

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 19.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 3.588 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.123 min

Lab File: VN072905.D

Acq: 17 Jun 2022 02:07

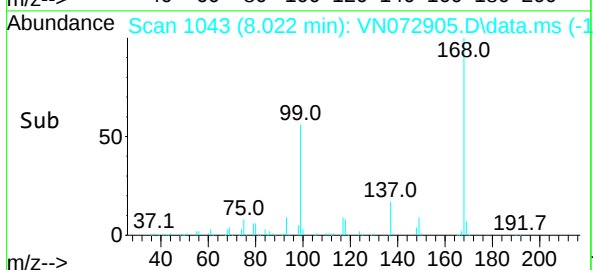
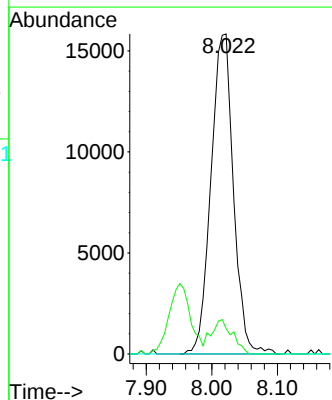
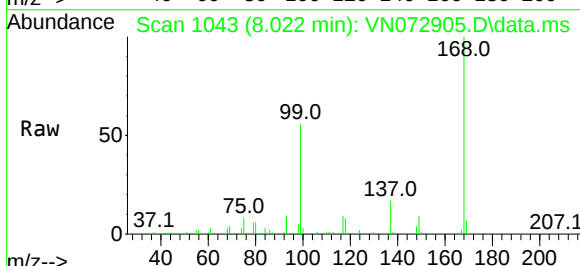
Tgt Ion: 75 Resp: 37649

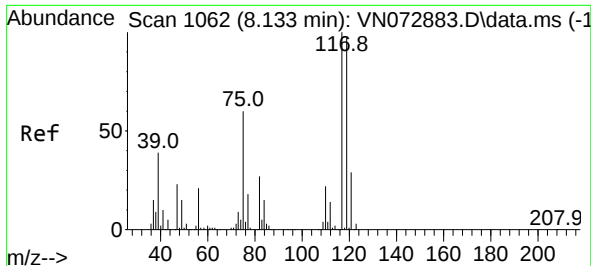
Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

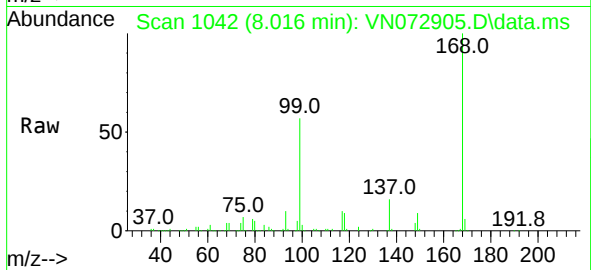
77 0.0 25.1 37.7#



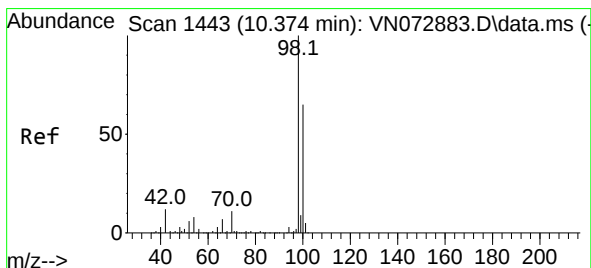
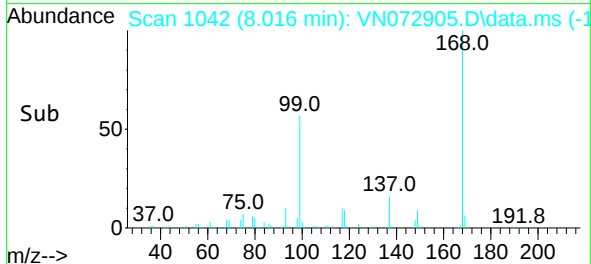
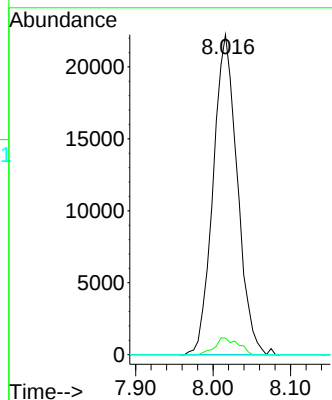


#38
Carbon Tetrachloride
Concen: 4.276 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.117 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :

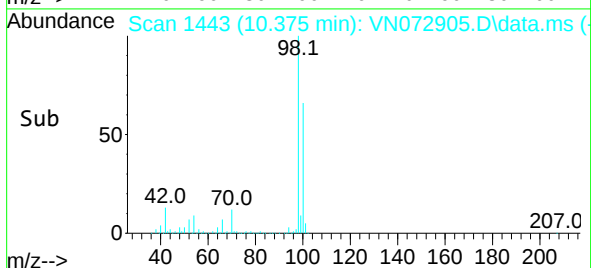
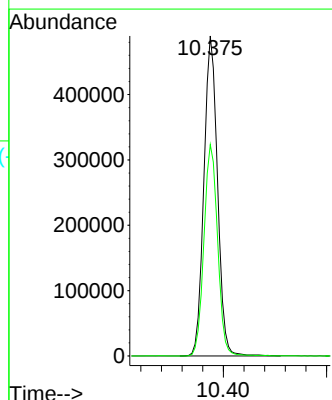
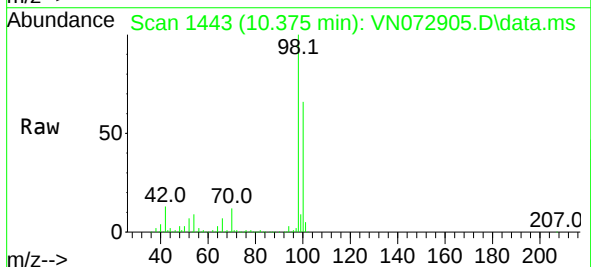


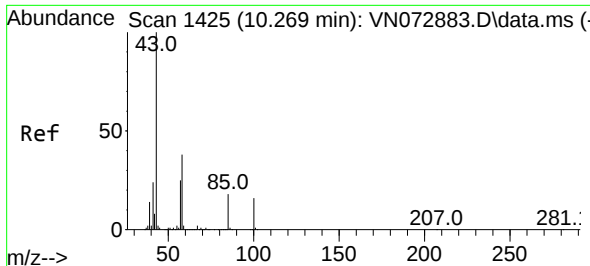
Tgt Ion:117 Resp: 48304
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 29.760 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Tgt Ion: 98 Resp: 894976
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8

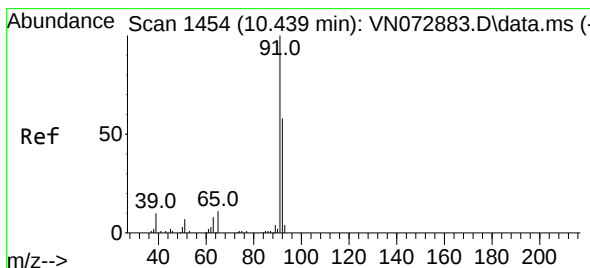
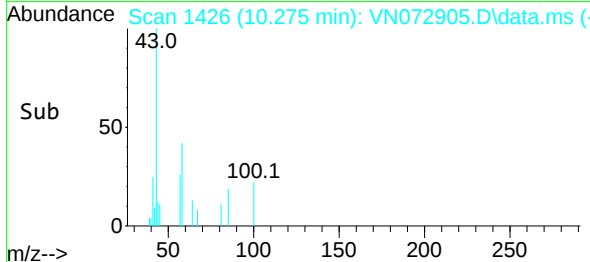
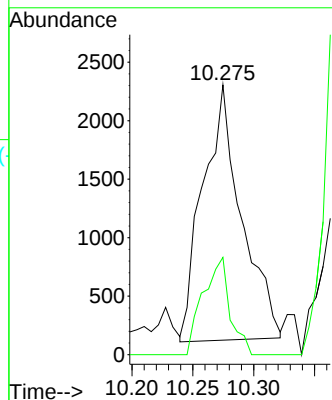
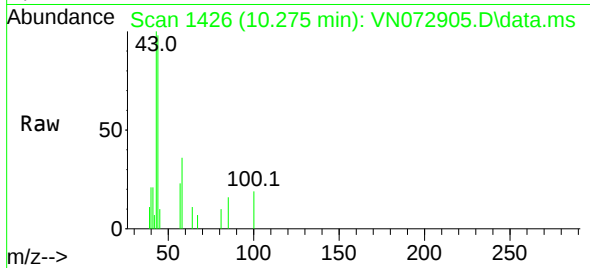




#51
4-Methyl-2-Pentanone
Concen: 0.315 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

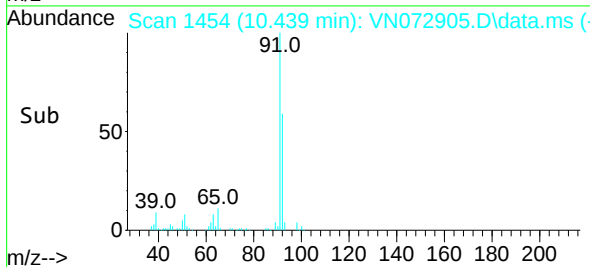
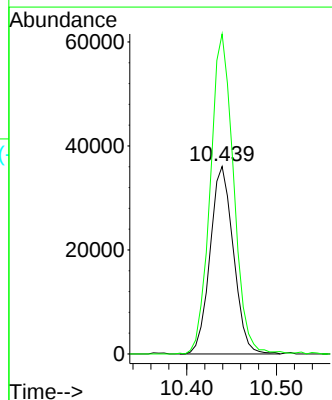
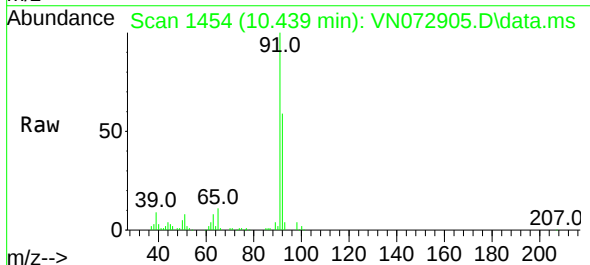
Instrument :
MSVOA_N
ClientSampleId :

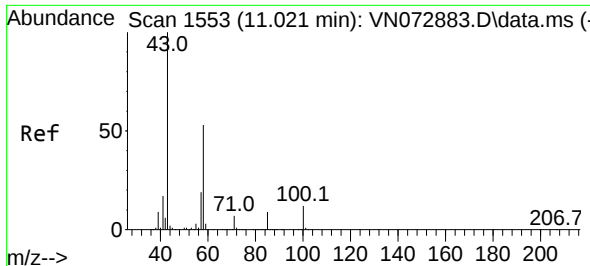
Tgt Ion: 43 Resp: 4809
Ion Ratio Lower Upper
43 100
58 26.6 34.1 51.1#



#52
Toluene
Concen: 3.004 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Tgt Ion: 92 Resp: 64986
Ion Ratio Lower Upper
92 100
91 170.7 138.6 207.8

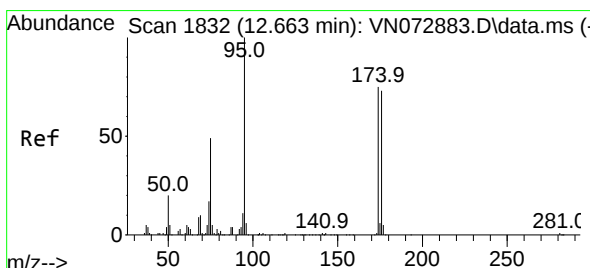
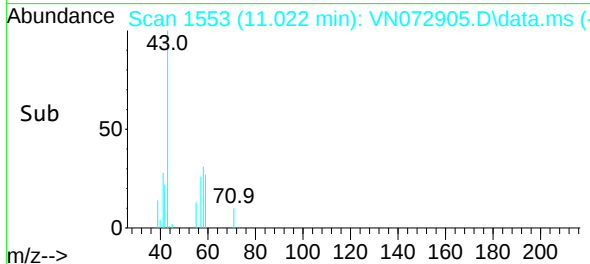
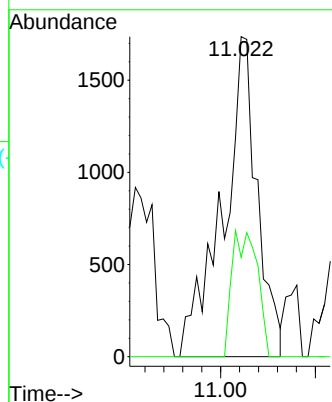
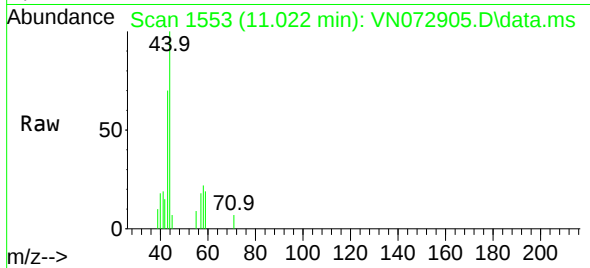




#59
2-Hexanone
Concen: 0.385 ug/l
RT: 11.022 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

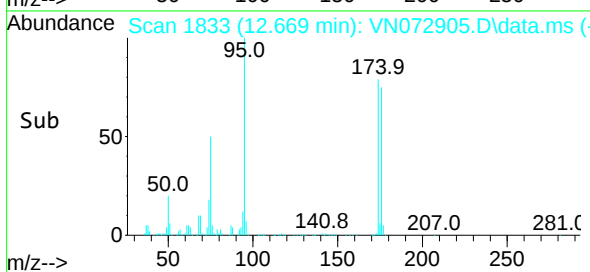
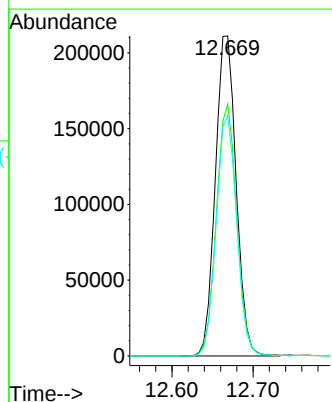
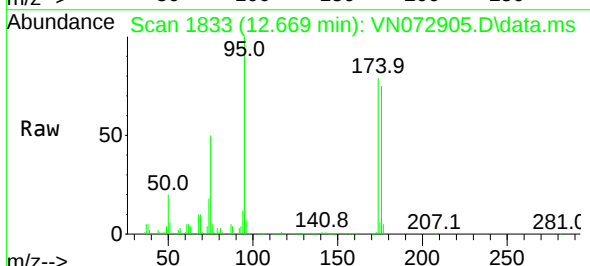
Instrument :
MSVOA_N
ClientSampleId :

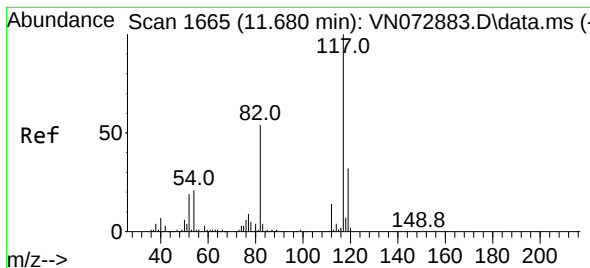
Tgt Ion: 43 Resp: 4368
Ion Ratio Lower Upper
43 100
58 29.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 36.062 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.006 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Tgt Ion: 95 Resp: 376213
Ion Ratio Lower Upper
95 100
174 77.4 0.0 167.6
176 74.1 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072905.D

Acq: 17 Jun 2022 02:07

Instrument :

MSVOA_N

ClientSampleId :

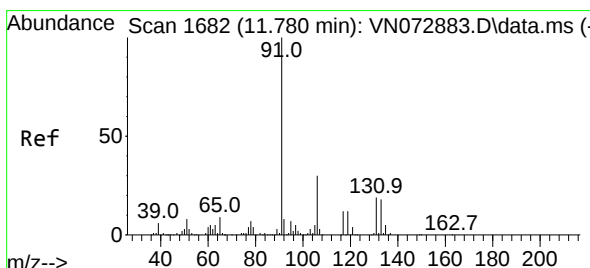
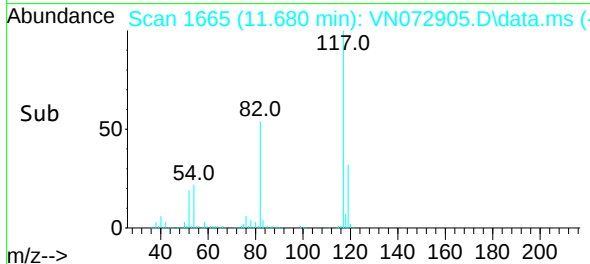
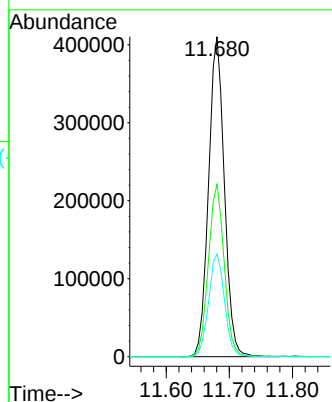
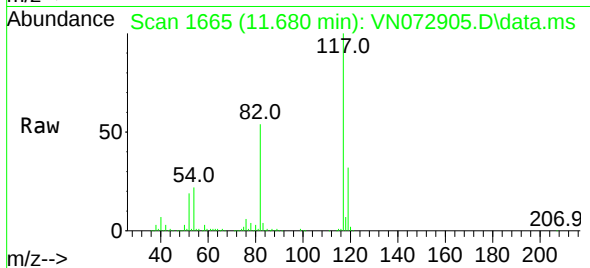
Tgt Ion:117 Resp: 713172

Ion Ratio Lower Upper

117 100

82 53.9 44.2 66.2

119 32.1 25.4 38.0



#67

Ethyl Benzene

Concen: 5.612 ug/l

RT: 11.780 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN072905.D

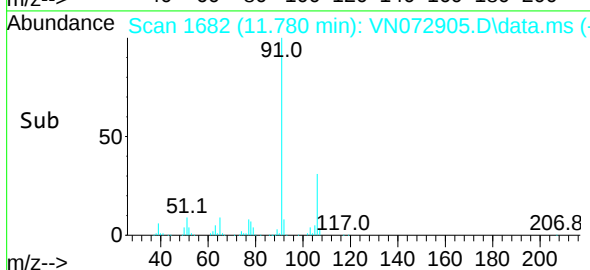
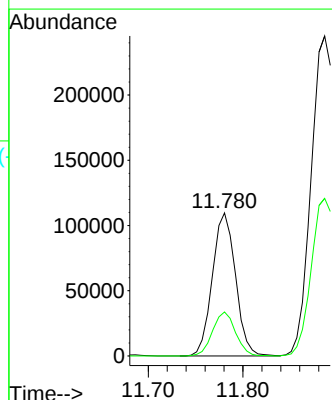
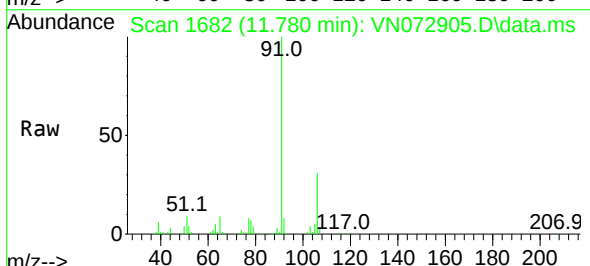
Acq: 17 Jun 2022 02:07

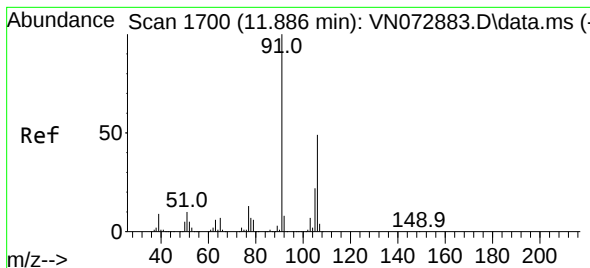
Tgt Ion: 91 Resp: 186363

Ion Ratio Lower Upper

91 100

106 30.8 24.9 37.3





#68

m/p-Xylenes

Concen: 18.629 ug/l

RT: 11.886 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072905.D

Acq: 17 Jun 2022 02:07

Instrument :

MSVOA_N

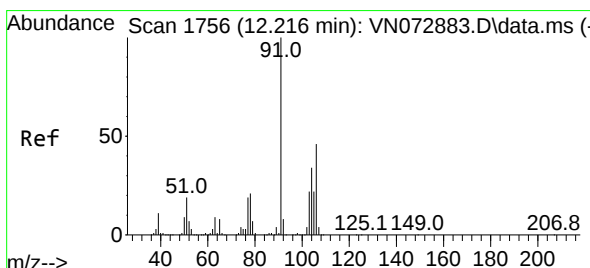
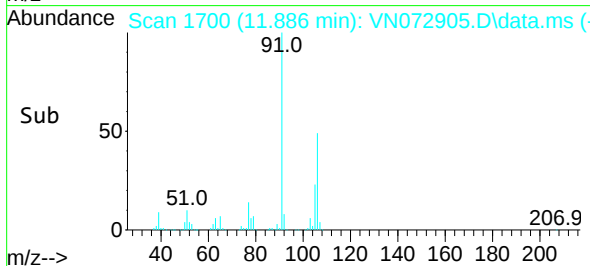
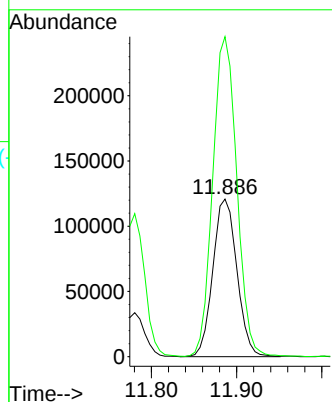
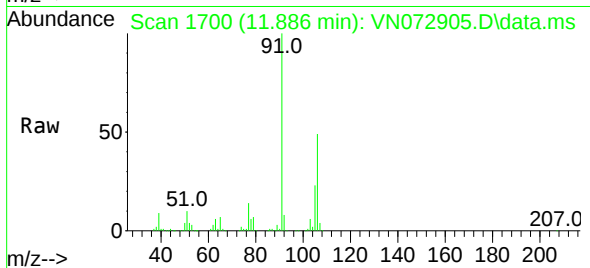
ClientSampleId :

Tgt Ion:106 Resp: 237541

Ion Ratio Lower Upper

106 100

91 202.7 158.9 238.3



#69

o-Xylene

Concen: 8.975 ug/l

RT: 12.216 min Scan# 1756

Delta R.T. 0.000 min

Lab File: VN072905.D

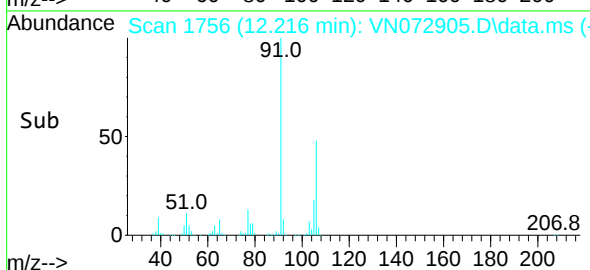
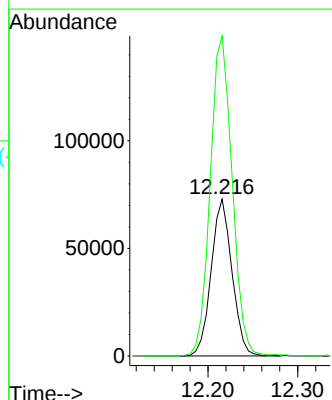
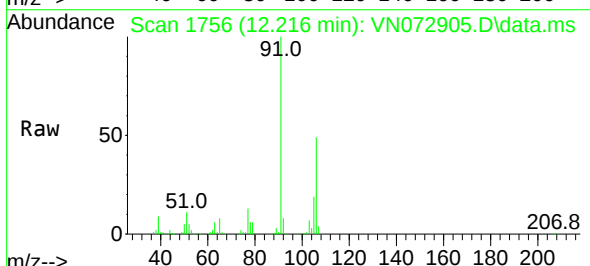
Acq: 17 Jun 2022 02:07

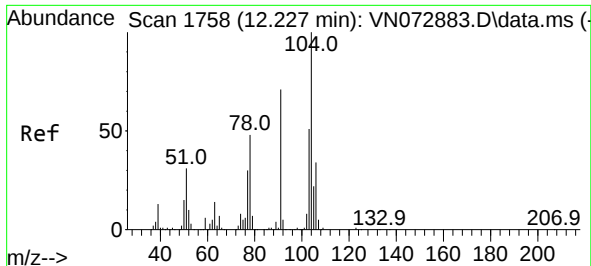
Tgt Ion:106 Resp: 117414

Ion Ratio Lower Upper

106 100

91 215.5 106.0 318.0

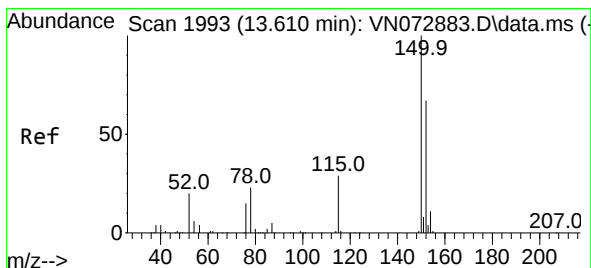
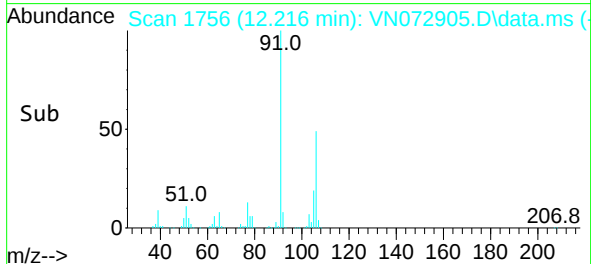
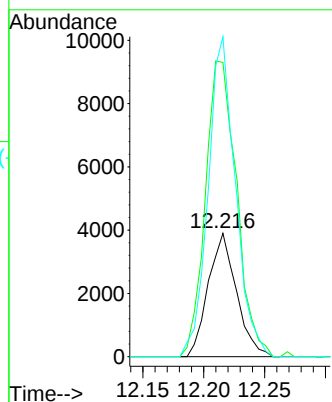
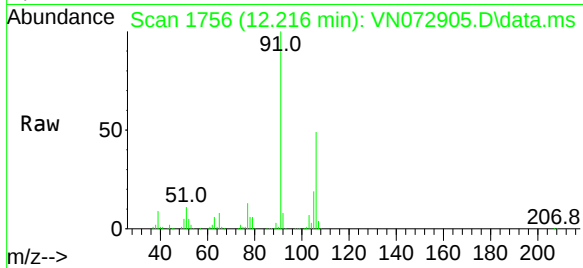




#70
Styrene
Concen: 0.311 ug/l
RT: 12.216 min Scan# 1758
Delta R.T. -0.012 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

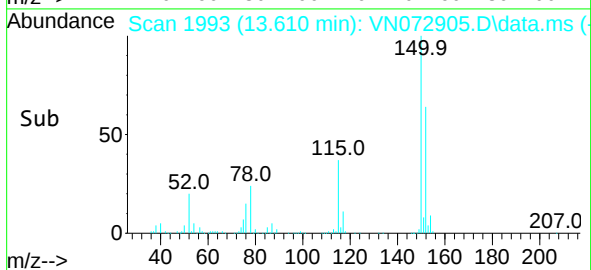
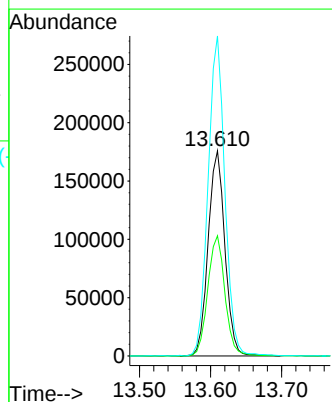
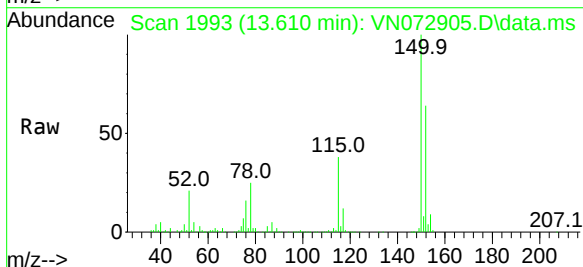
Instrument :
MSVOA_N
ClientSampleId :

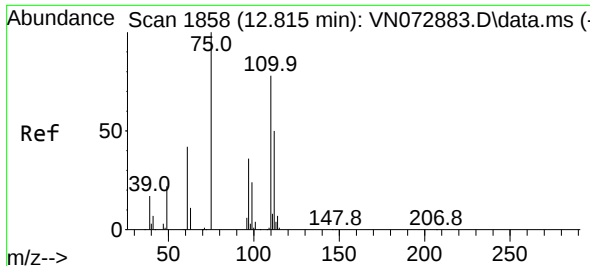
Tgt Ion:104 Resp: 6305
Ion Ratio Lower Upper
104 100
78 263.9 39.5 59.3#
103 250.2 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Tgt Ion:152 Resp: 289090
Ion Ratio Lower Upper
152 100
115 60.2 28.9 86.7
150 155.6 0.0 356.2

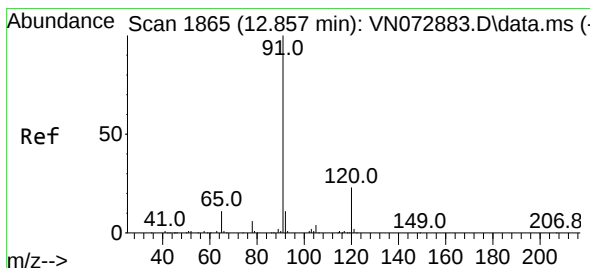
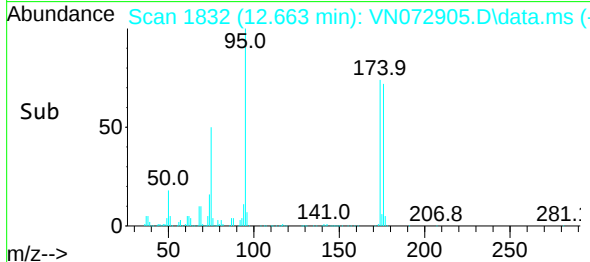
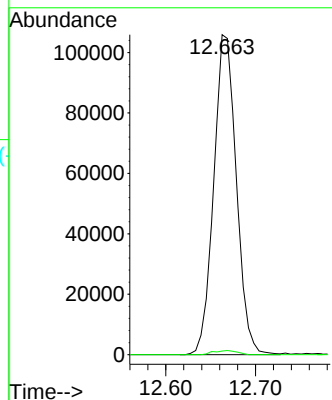
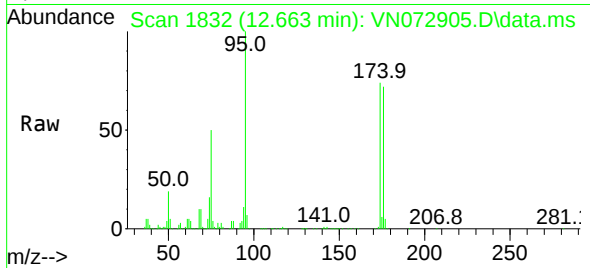




#76
1,2,3-Trichloropropane
Concen: 21.586 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. -0.153 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

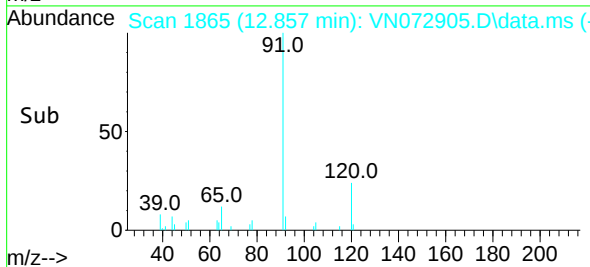
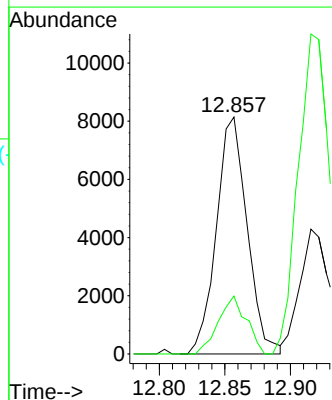
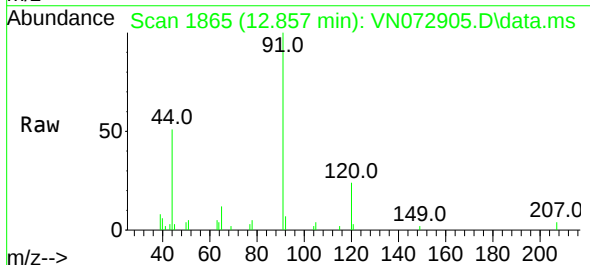
Instrument :
MSVOA_N
ClientSampleId :

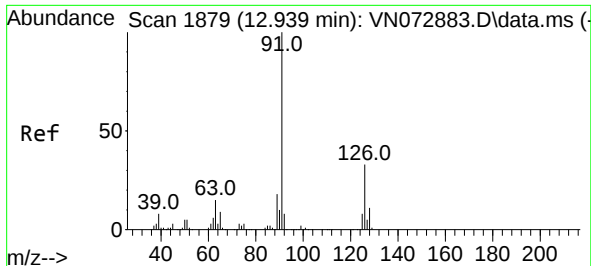
Tgt Ion: 75 Resp: 185490
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#78
n-propylbenzene
Concen: 0.462 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Tgt Ion: 91 Resp: 13273
Ion Ratio Lower Upper
91 100
120 22.2 11.9 35.5





#79

2-Chlorotoluene

Concen: 0.474 ug/l

RT: 12.916 min Scan# 1875

Delta R.T. -0.023 min

Lab File: VN072905.D

Acq: 17 Jun 2022 02:07

Instrument :

MSVOA_N

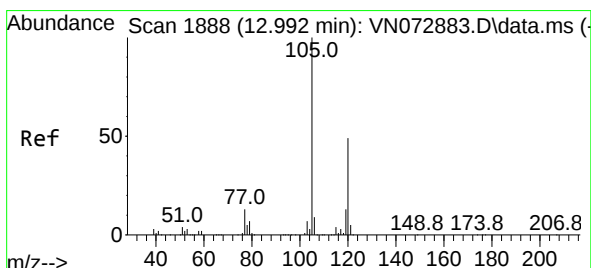
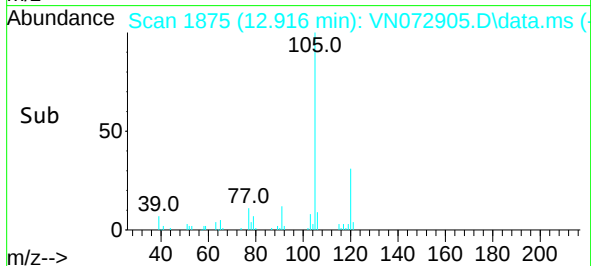
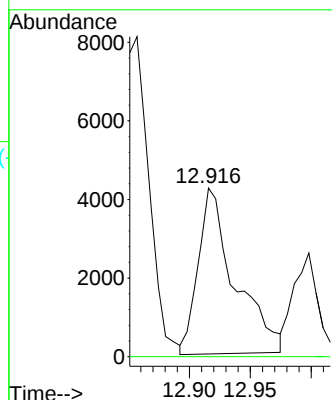
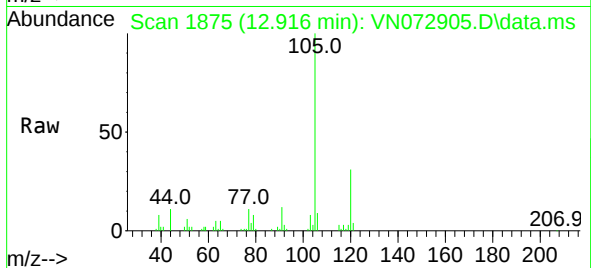
ClientSampleId :

Tgt Ion: 91 Resp: 8857

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 1.365 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.006 min

Lab File: VN072905.D

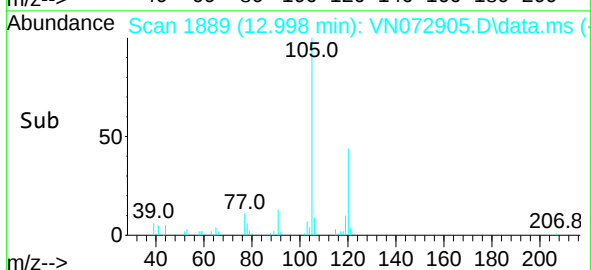
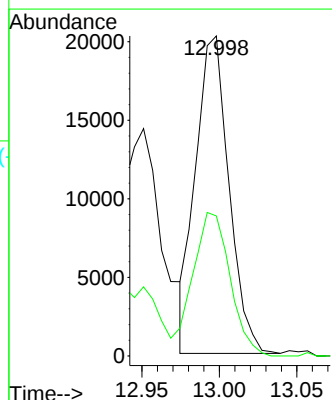
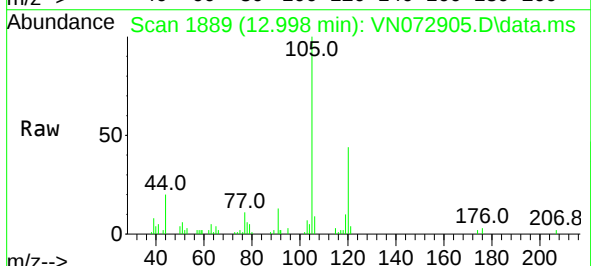
Acq: 17 Jun 2022 02:07

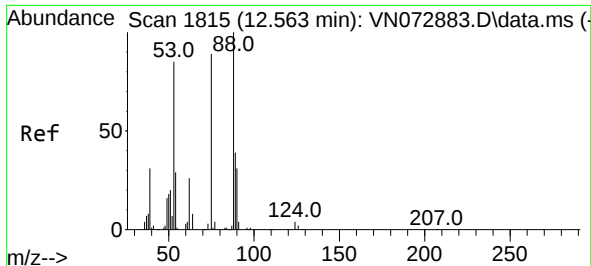
Tgt Ion: 105 Resp: 30156

Ion Ratio Lower Upper

105 100

120 50.6 24.9 74.7

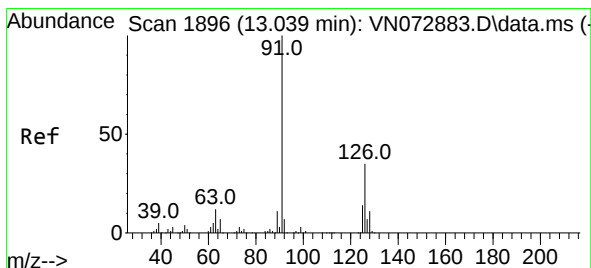
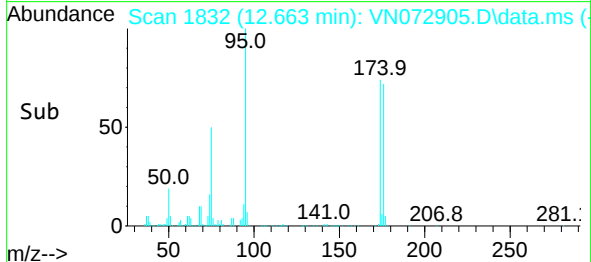
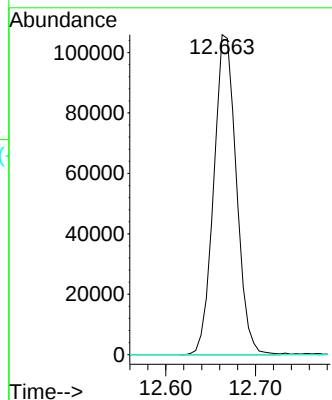
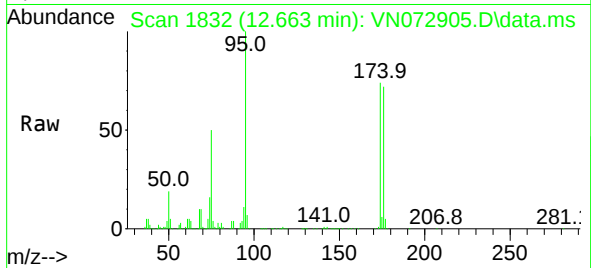




#81
trans-1,4-Dichloro-2-butene
Concen: 61.483 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.100 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

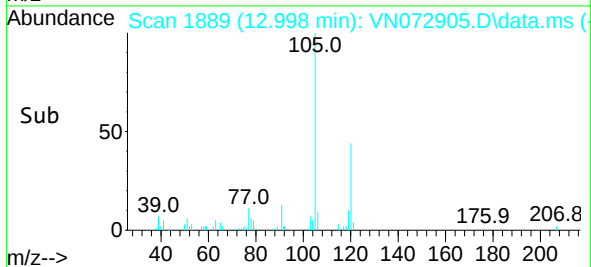
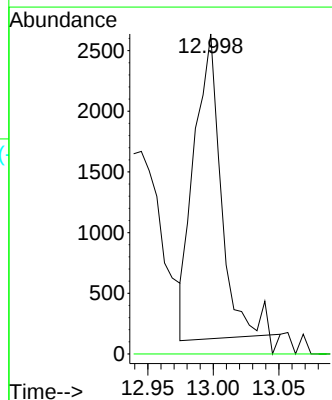
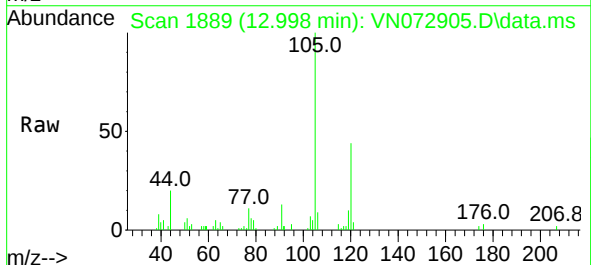
Instrument :
MSVOA_N
ClientSampleId :

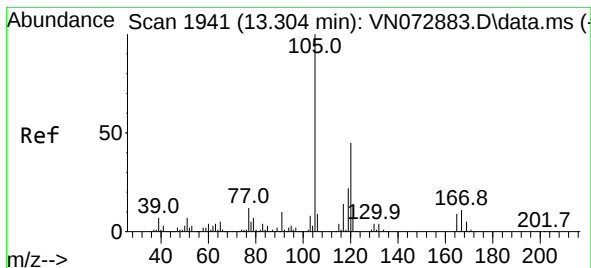
Tgt Ion: 75 Resp: 185490
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.205 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.041 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

Tgt Ion: 91 Resp: 3547
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#





#84

1,2,4-Trimethylbenzene

Concen: 5.867 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. 0.000 min

Lab File: VN072905.D

Acq: 17 Jun 2022 02:07

Instrument :

MSVOA_N

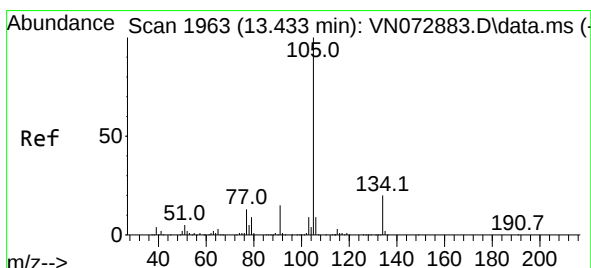
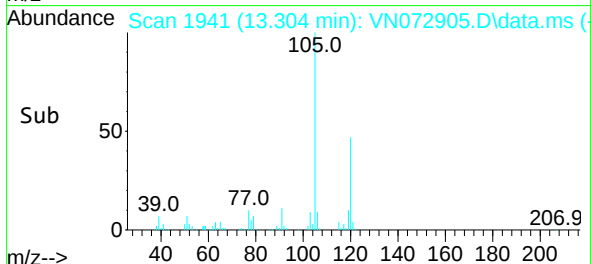
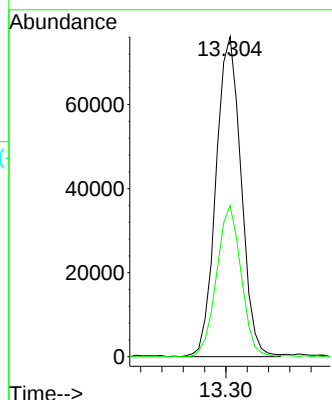
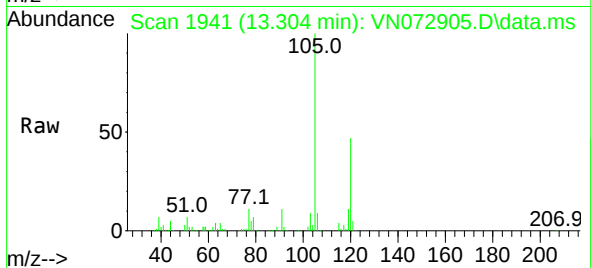
ClientSampleId :

Tgt Ion:105 Resp: 124612

Ion Ratio Lower Upper

105 100

120 46.1 23.3 69.8



#85

sec-Butylbenzene

Concen: 4.861 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.129 min

Lab File: VN072905.D

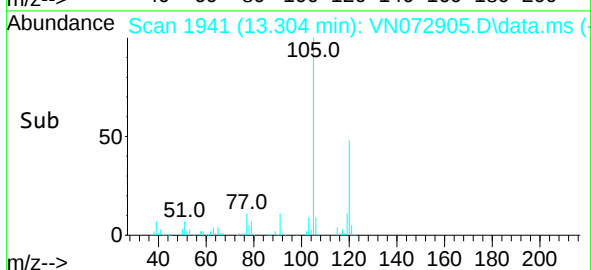
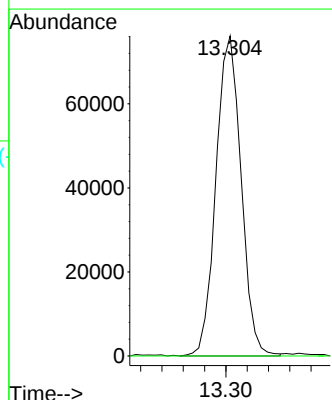
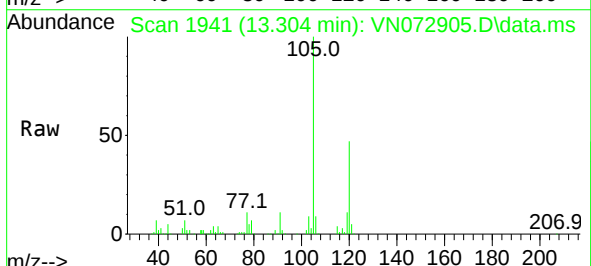
Acq: 17 Jun 2022 02:07

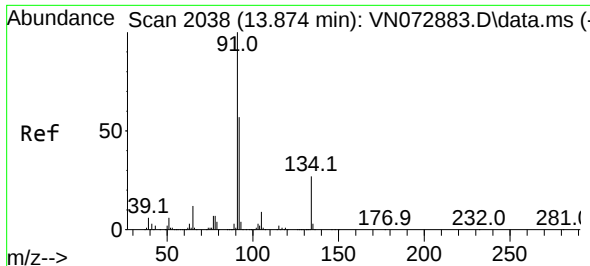
Tgt Ion:105 Resp: 124612

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#

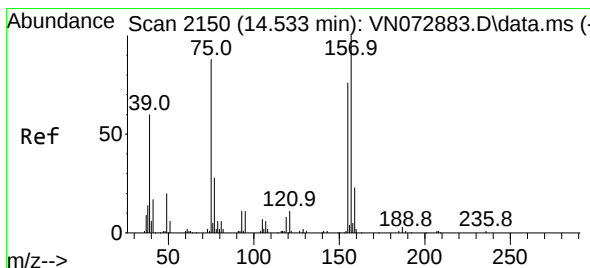
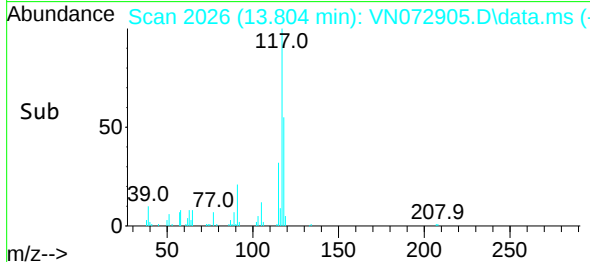
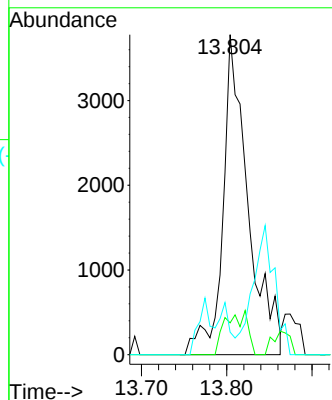
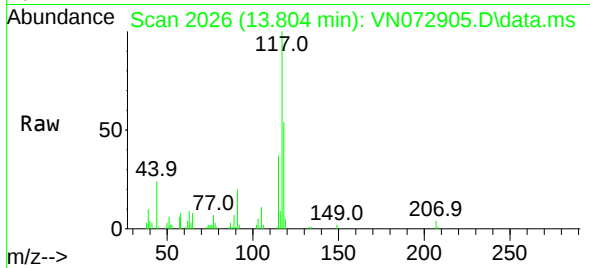




#89
n-Butylbenzene
Concen: 0.489 ug/l
RT: 13.804 min Scan# 2038
Delta R.T. -0.070 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

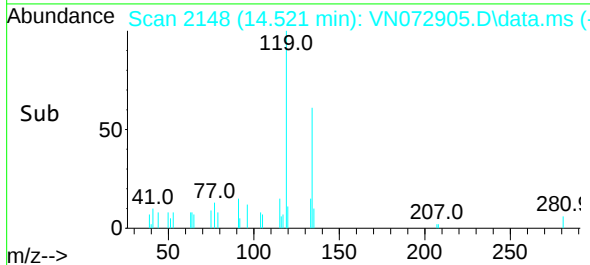
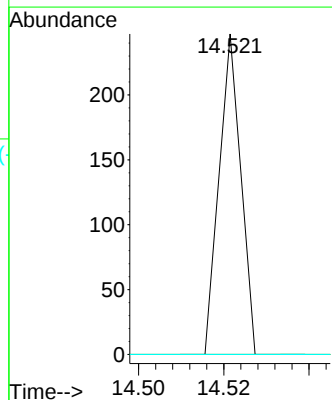
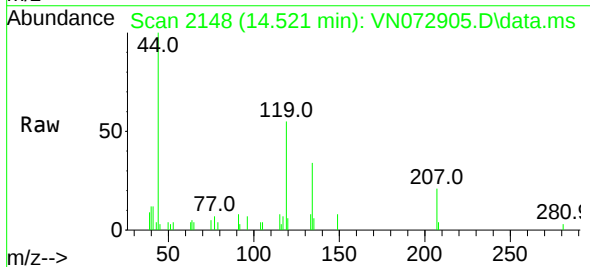
Instrument :
MSVOA_N
ClientSampleId :

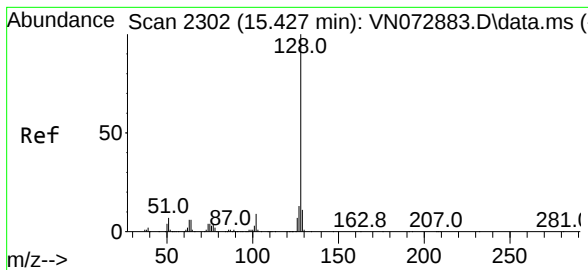
Tgt Ion: 91 Resp: 7784
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7#
134 6.8 13.6 40.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.521 min Scan# 2148
Delta R.T. -0.012 min
Lab File: VN072905.D
Acq: 17 Jun 2022 02:07

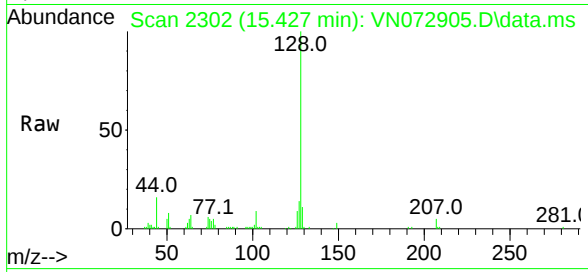
Tgt Ion: 75 Resp: 87
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 0.0 59.0 176.8#





#95
 Naphthalene
 Concen: 4.237 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN072905.D
 Acq: 17 Jun 2022 02:07

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	77597
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.2	8.6	13.0

