

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012622\
 Data File : VY007306.D
 Acq On : 26 Jan 2022 14:58
 Operator : SY/MD
 Sample : N1248-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C1-C2

Quant Time: Jan 27 00:34:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

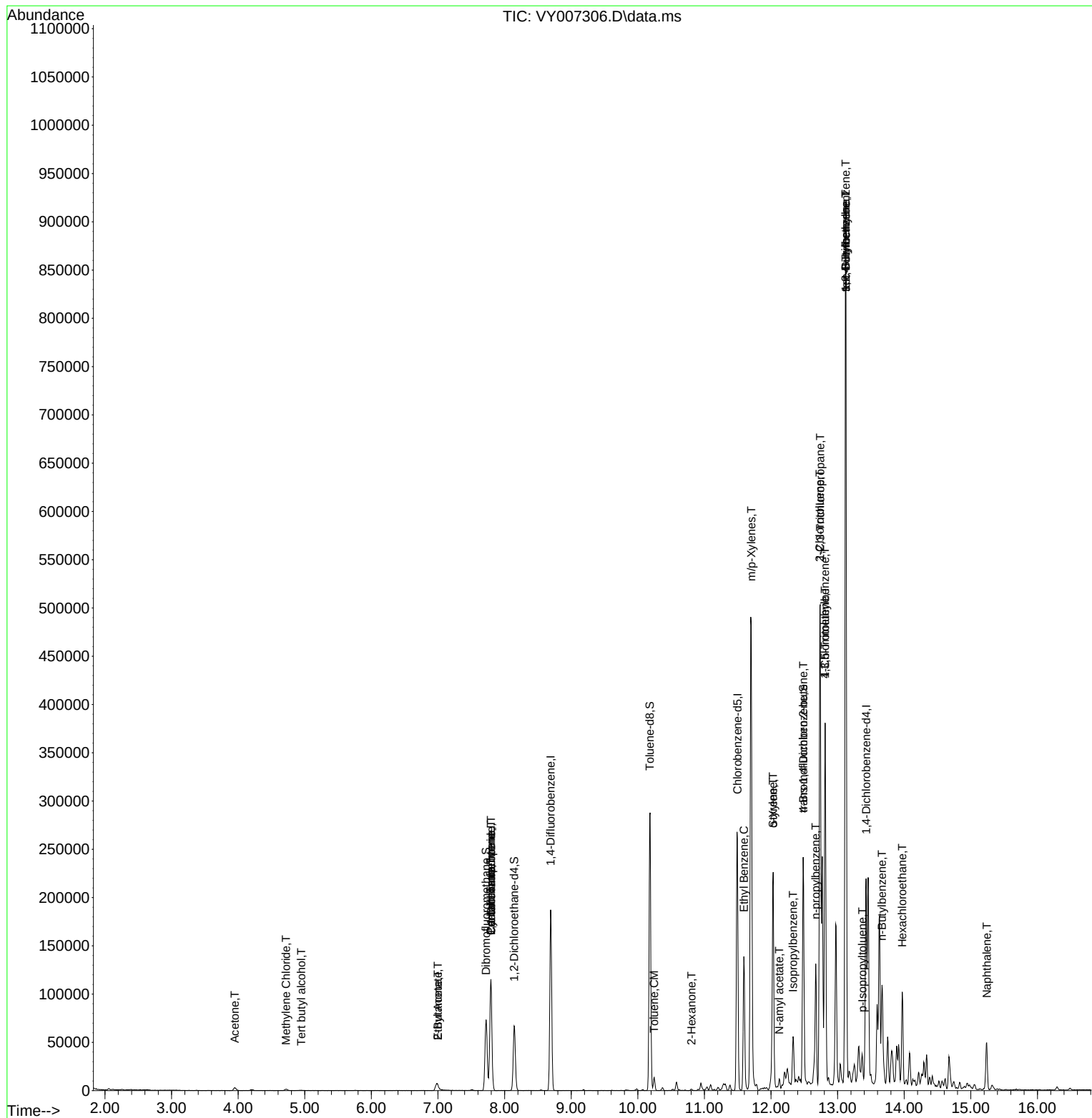
Internal Standards						
1) Pentafluorobenzene	7.795	168	82375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	155673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	142546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	50610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	52770	52.209	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.420%			
35) Dibromofluoromethane	7.722	113	52295	49.680	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.360%			
50) Toluene-d8	10.179	98	191465	49.779	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.560%			
62) 4-Bromofluorobenzene	12.483	95	62075	45.370	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.740%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	663	2.937	ug/l #	73
16) Acetone	3.948	43	5411	20.628	ug/l	94
20) Methylene Chloride	4.716	84	1170	1.079	ug/l #	77
25) 2-Butanone	6.996	43	1167	3.441	ug/l #	47
31) Cyclohexane	7.795	56	1961	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7438	4.424	ug/l #	50
37) Ethyl Acetate	6.996	43	1167	1.353	ug/l #	82
38) Carbon Tetrachloride	7.795	117	8918	5.043	ug/l #	16
52) Toluene	10.246	92	5483	1.929	ug/l	96
59) 2-Hexanone	10.807	43	726	1.257	ug/l #	23
67) Ethyl Benzene	11.593	91	93757	16.005	ug/l	100
68) m/p-Xylenes	11.703	106	140718	64.639	ug/l	100
69) o-Xylene	12.032	106	55960	27.296	ug/l	98
70) Styrene	12.032	104	3820	1.105	ug/l #	1
73) Isopropylbenzene	12.331	105	27306	6.247	ug/l	99
74) N-amyl acetate	12.123	43	2381	2.037	ug/l #	61
76) 1,2,3-Trichloropropane	12.739	75	2900	5.025	ug/l #	100
78) n-propylbenzene	12.672	91	94378	17.417	ug/l	99
79) 2-Chlorotoluene	12.733	91	39016	12.950	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.812	105	171826	47.874	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	34320	108.875	ug/l #	4
82) 4-Chlorotoluene	12.812	91	19352	6.158	ug/l #	42
83) tert-Butylbenzene	13.123	119	57517	18.546	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.123	105	488779	137.390	ug/l	98
85) sec-Butylbenzene	13.123	105	488779	105.348	ug/l #	57
86) p-Isopropyltoluene	13.373	119	14032	3.680	ug/l	99
89) n-Butylbenzene	13.666	91	6565	1.749	ug/l #	1
90) Hexachloroethane	13.971	117	4159	5.580	ug/l #	16
95) Naphthalene	15.239	128	40576	18.965	ug/l	99

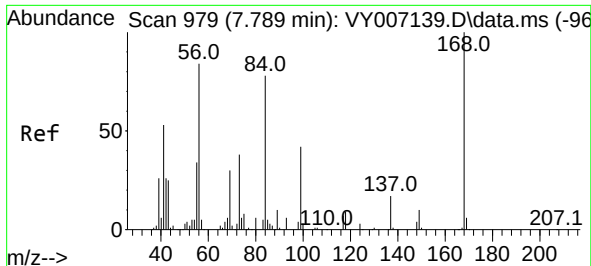
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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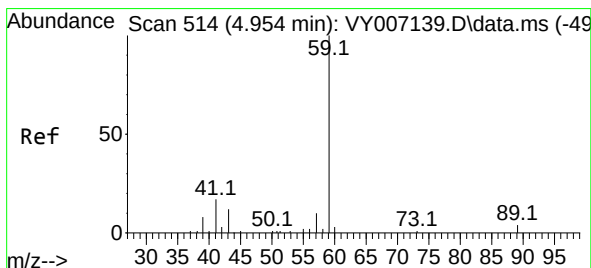
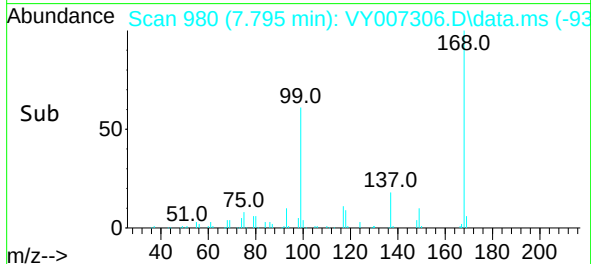
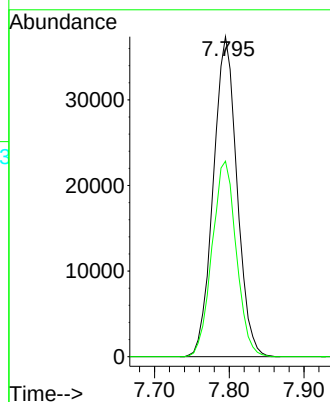
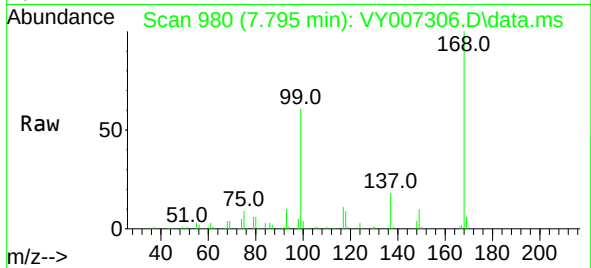




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

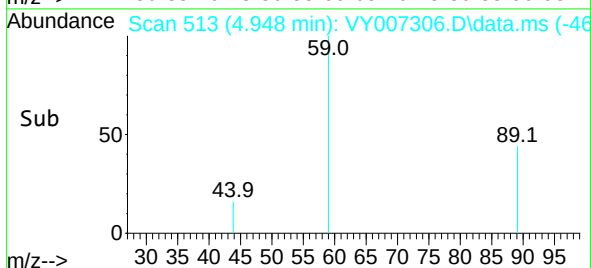
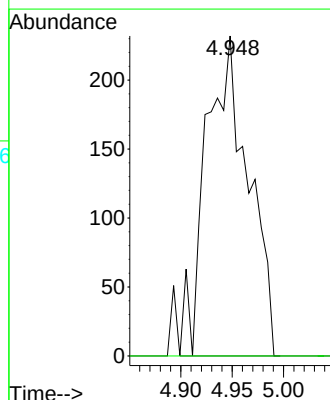
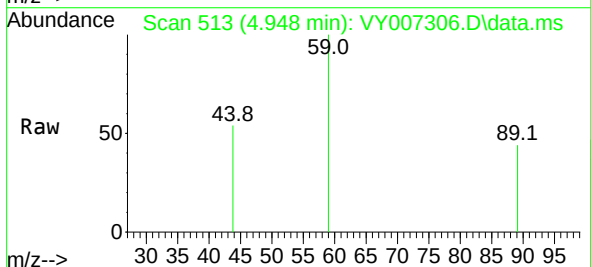
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

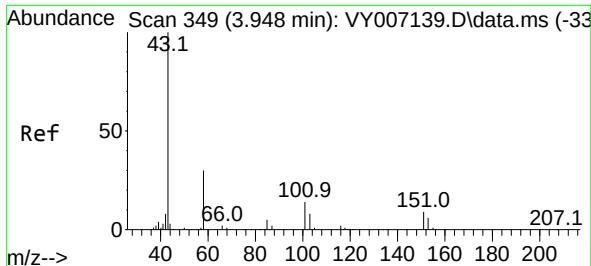
Tgt Ion:168 Resp: 82375
Ion Ratio Lower Upper
168 100
99 61.1 49.1 73.7



#11
Tert butyl alcohol
Concen: 2.937 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

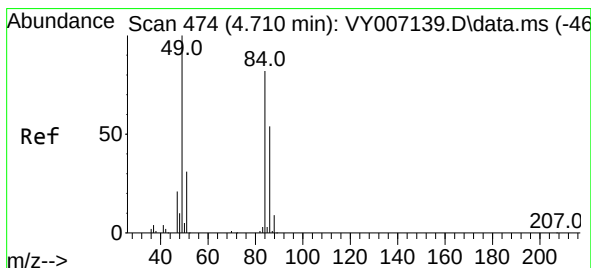
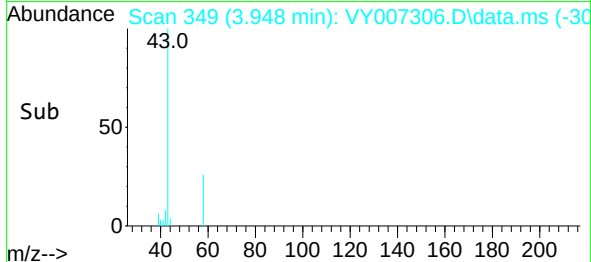
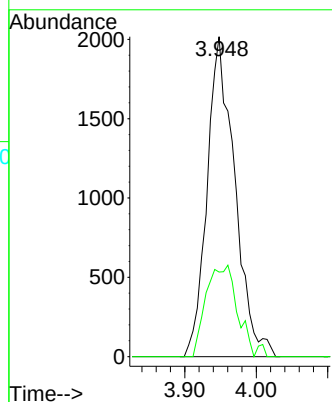
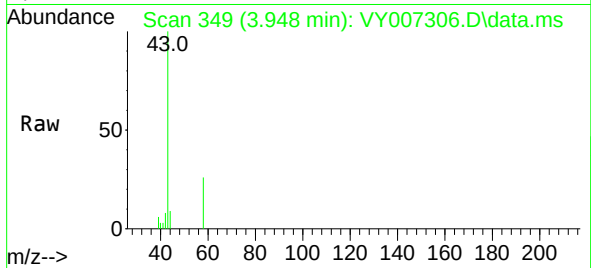




#16
Acetone
Concen: 20.628 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

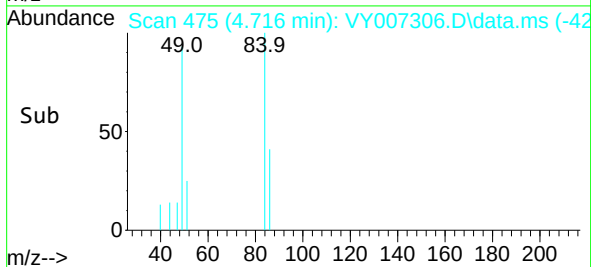
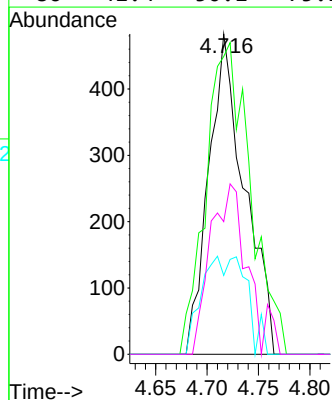
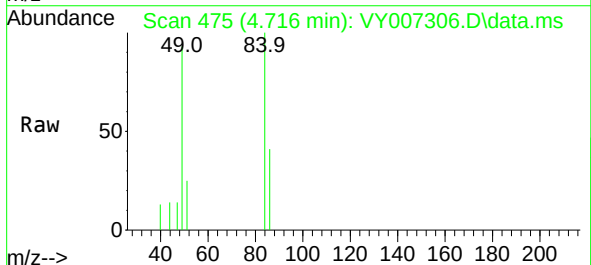
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

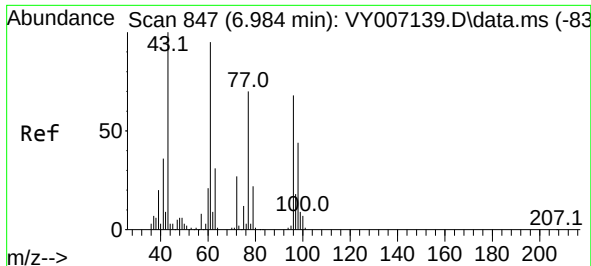
Tgt Ion: 43 Resp: 5411
Ion Ratio Lower Upper
43 100
58 26.4 23.8 35.6



#20
Methylene Chloride
Concen: 1.079 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 84 Resp: 1170
Ion Ratio Lower Upper
84 100
49 93.0 92.6 139.0
51 24.6 28.6 42.8#
86 41.4 50.1 75.1#

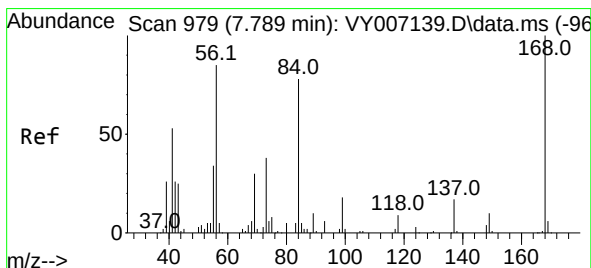
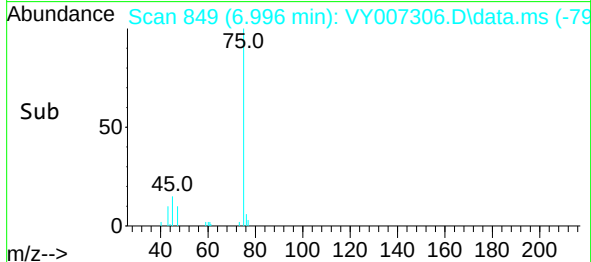
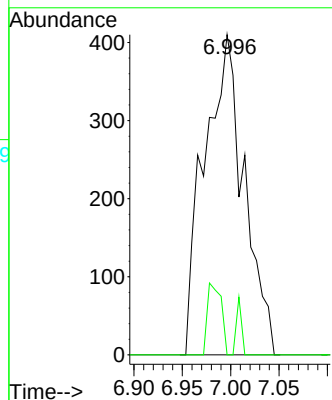
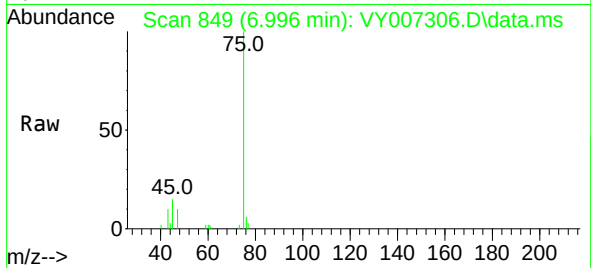




#25
2-Butanone
Concen: 3.441 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

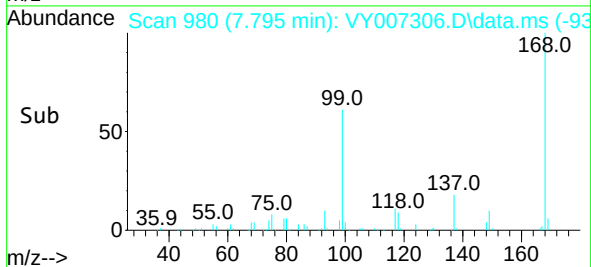
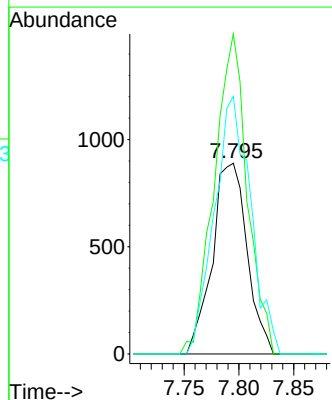
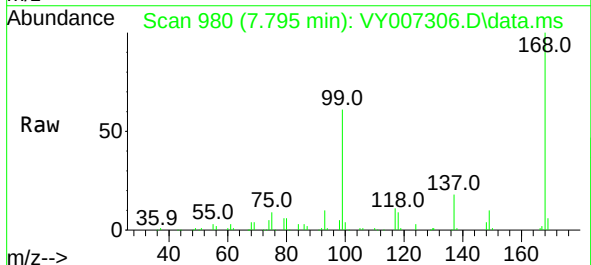
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

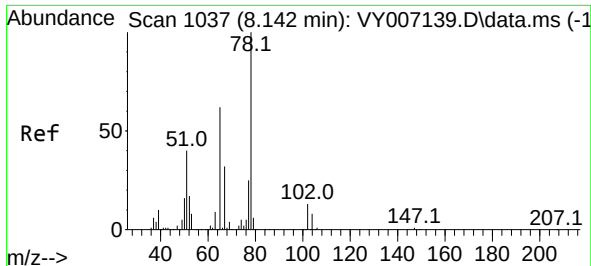
Tgt Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#



#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 56 Resp: 1961
Ion Ratio Lower Upper
56 100
69 167.8 27.2 40.8#
84 135.1 72.1 108.1#

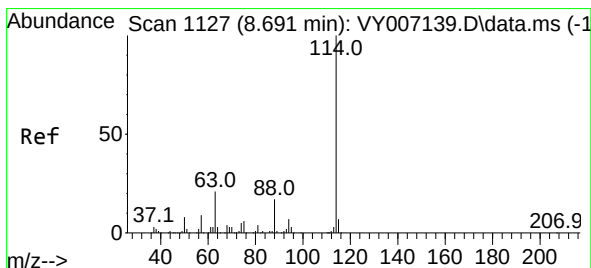
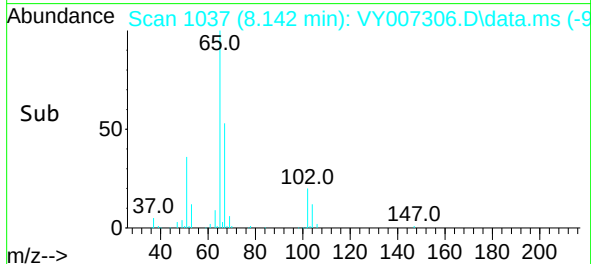
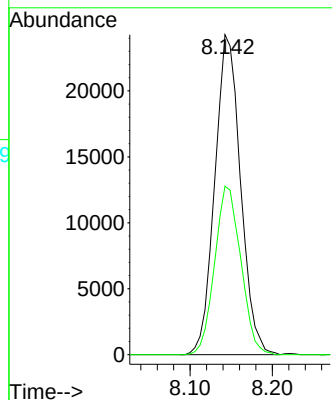
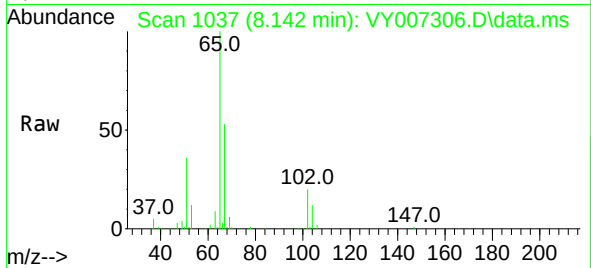




#33
 1,2-Dichloroethane-d4
 Concen: 52.209 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY007306.D
 Acq: 26 Jan 2022 14:58

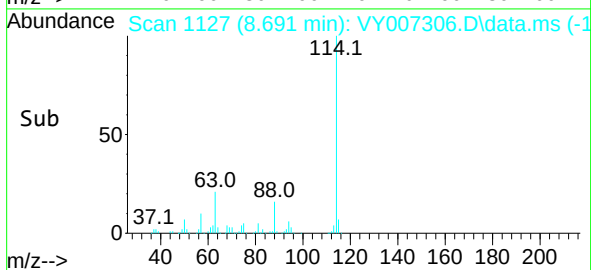
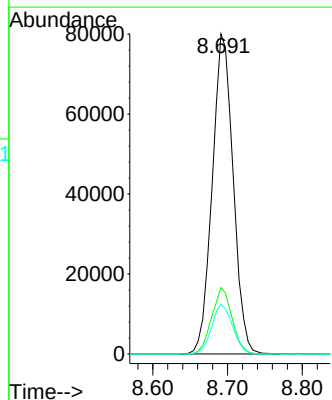
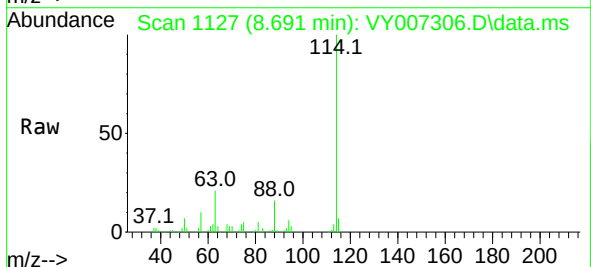
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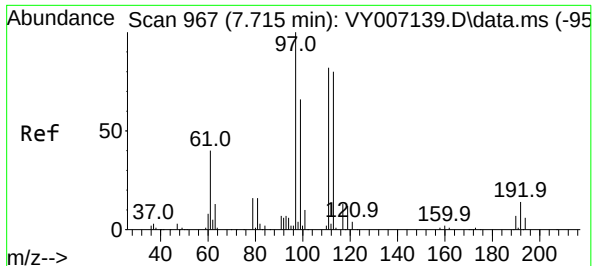
Tgt Ion: 65 Resp: 52770
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY007306.D
 Acq: 26 Jan 2022 14:58

Tgt Ion: 114 Resp: 155673
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.2
 88 15.5 0.0 31.0

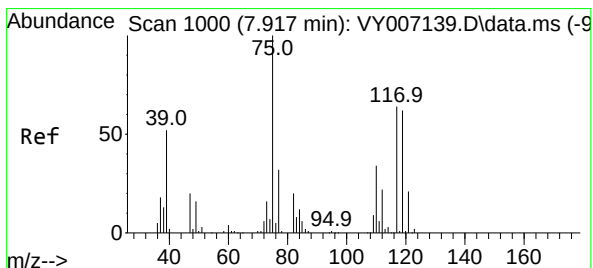
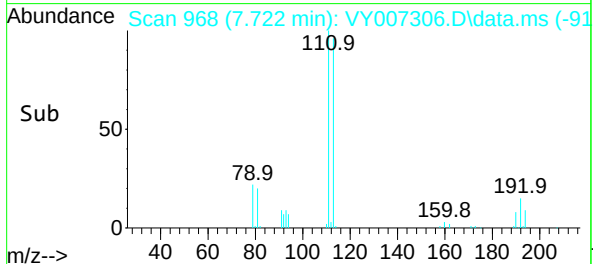
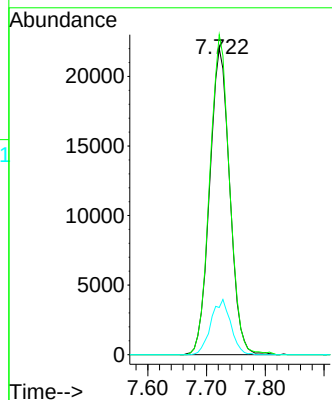
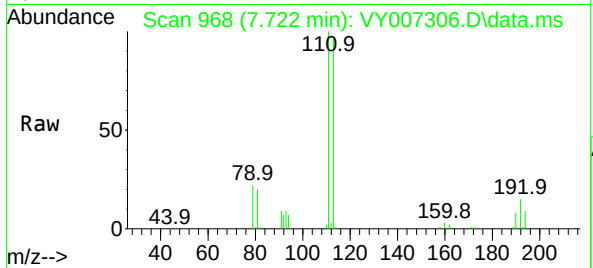




#35
Dibromofluoromethane
Concen: 49.680 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

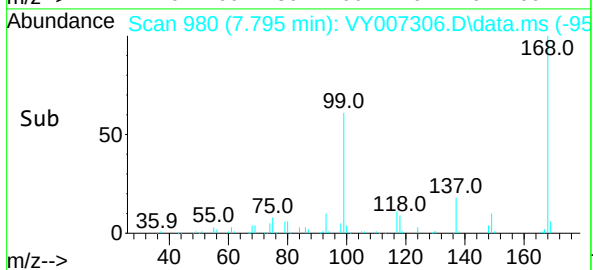
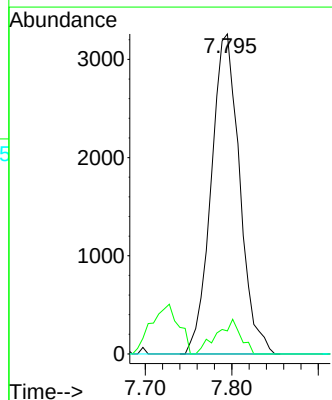
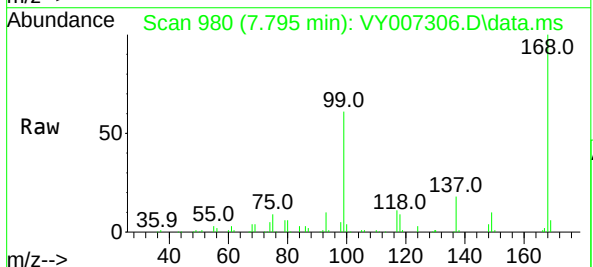
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MSVOA_Y
ClientSampleId :
C1-C2

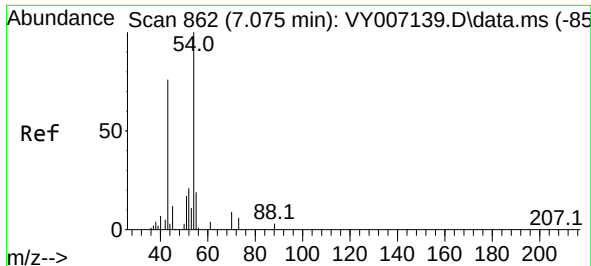
Tgt Ion:113 Resp: 52295
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 75 Resp: 7438
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.353 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY007306.D

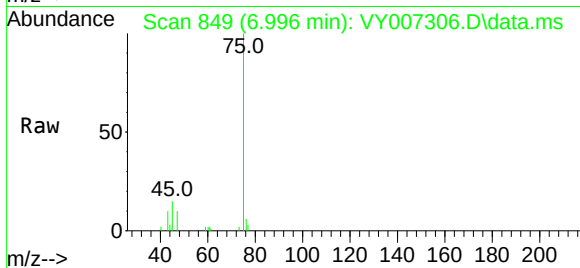
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Instrument :

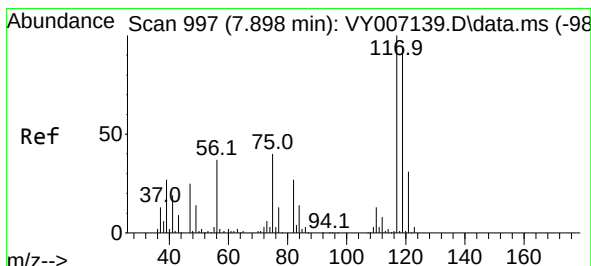
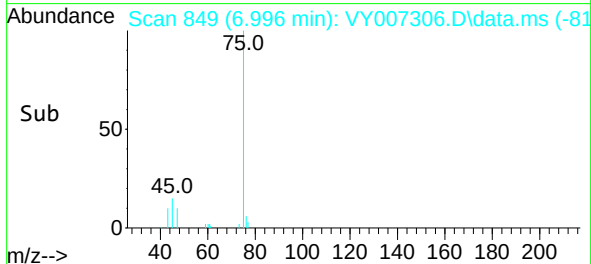
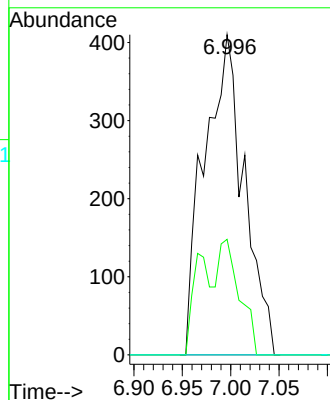
MSVOA_Y

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Tgt Ion:	43	Resp:	1167
Ion	Ratio	Lower	Upper
43	100		
61	18.6	11.8	17.8#
70	0.0	9.0	13.4#



#38

Carbon Tetrachloride

Concen: 5.043 ug/l

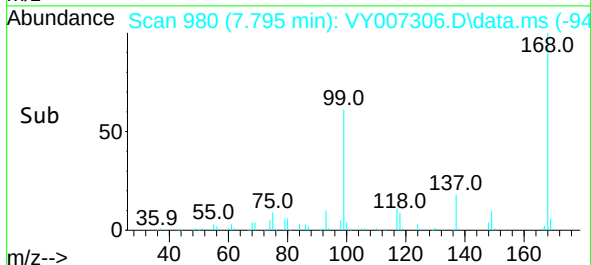
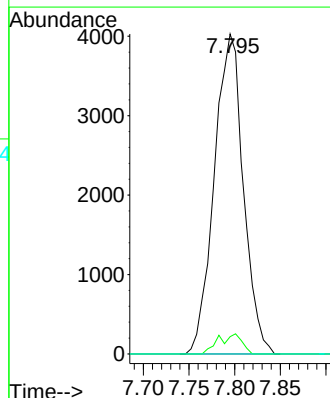
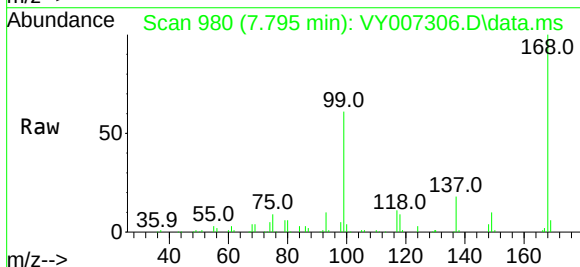
RT: 7.795 min Scan# 980

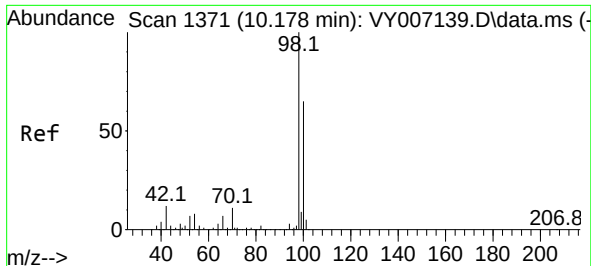
Delta R.T. -0.103 min

Lab File: VY007306.D

Acq: 26 Jan 2022 14:58

Tgt Ion:	117	Resp:	8918
Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.2	115.8#
121	0.0	24.2	36.2#

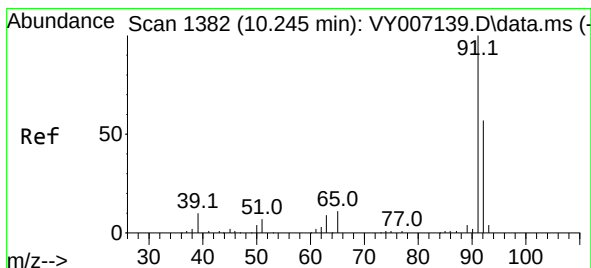
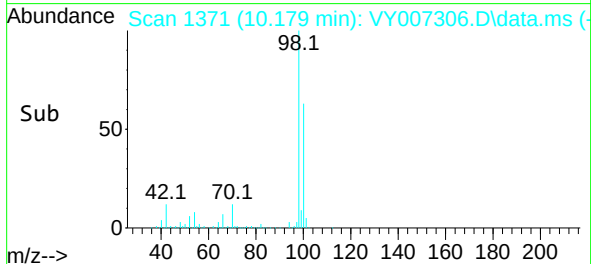
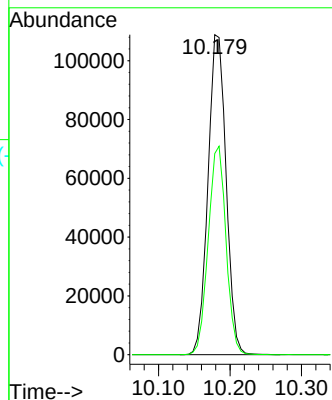
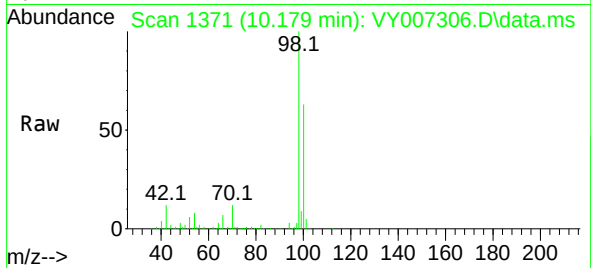




#50
Toluene-d8
Concen: 49.779 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

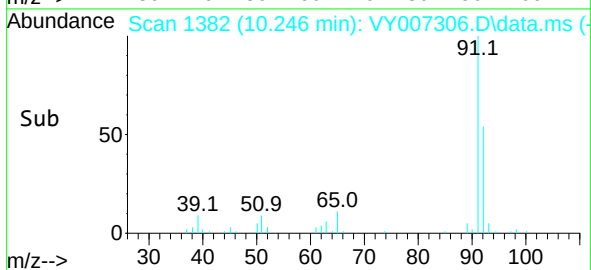
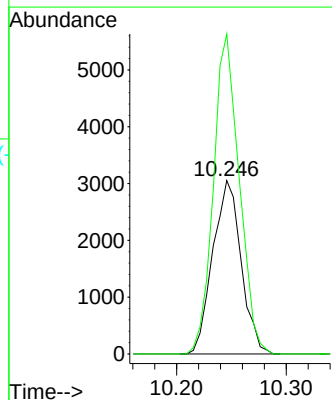
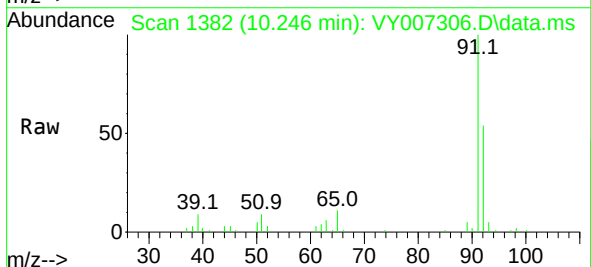
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

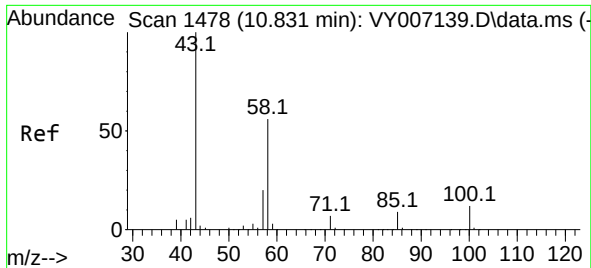
Tgt Ion: 98 Resp: 191465
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#52
Toluene
Concen: 1.929 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 92 Resp: 5483
Ion Ratio Lower Upper
92 100
91 168.3 138.6 207.8

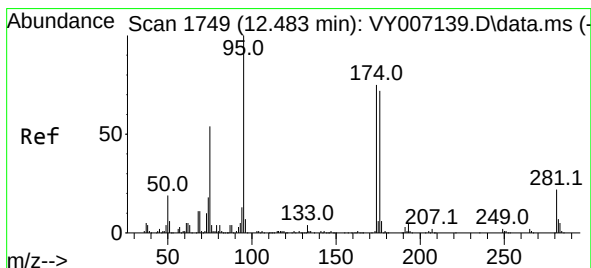
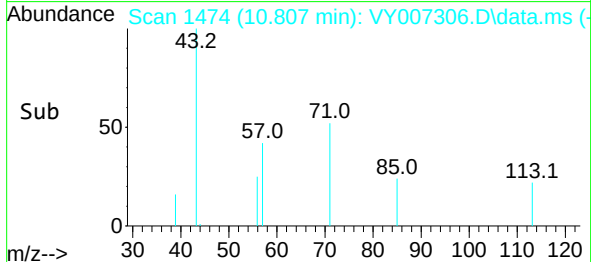
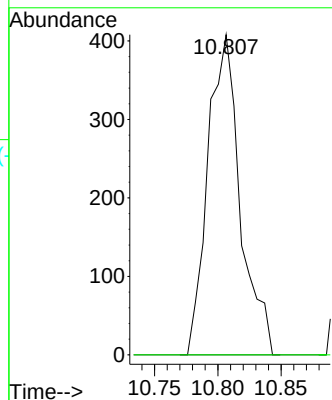
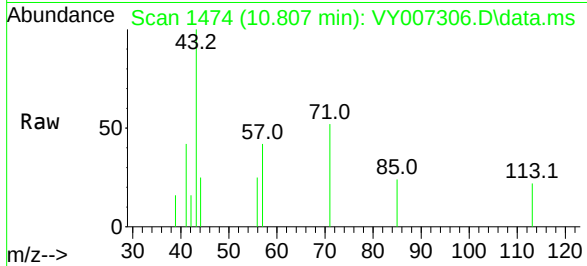




#59
2-Hexanone
Concen: 1.257 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

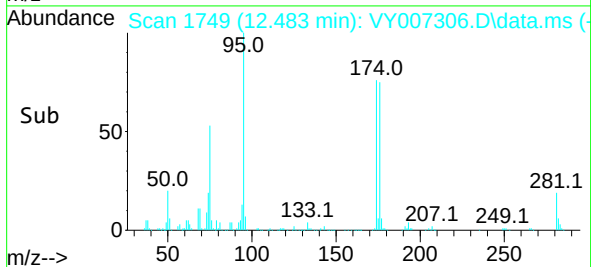
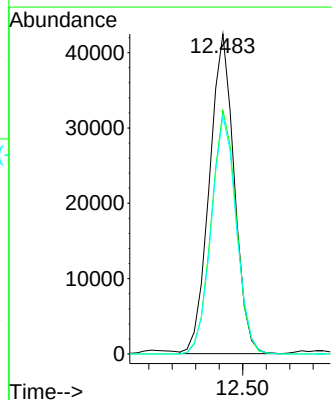
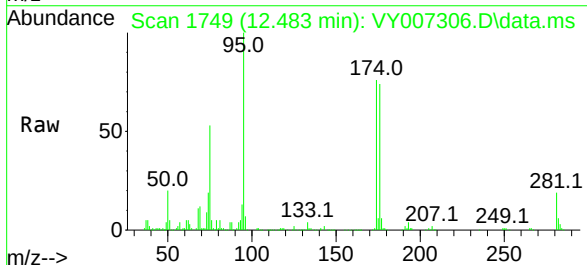
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

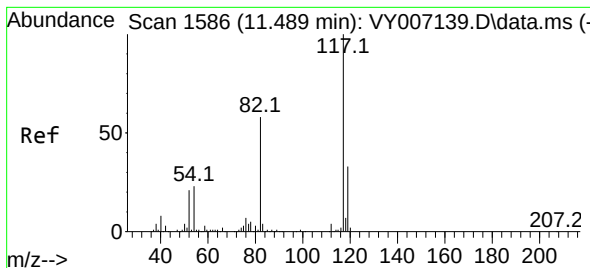
Tgt Ion: 43 Resp: 726
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 45.370 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 95 Resp: 62075
Ion Ratio Lower Upper
95 100
174 76.8 0.0 148.4
176 75.2 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY007306.D

Acq: 26 Jan 2022 14:58

Instrument :

MSVOA_Y

ClientSampleId :

C1-C2

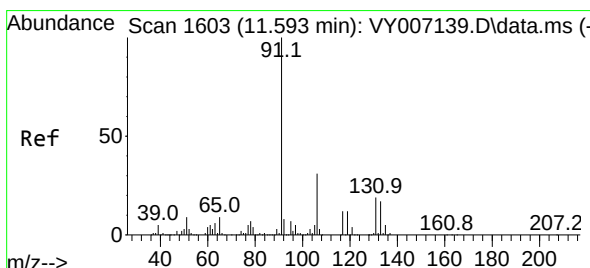
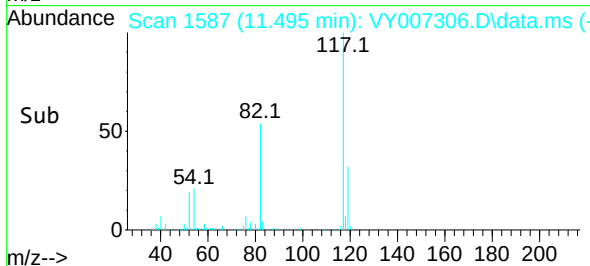
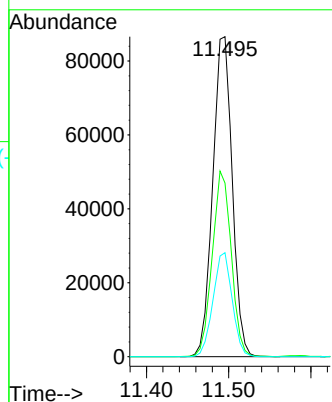
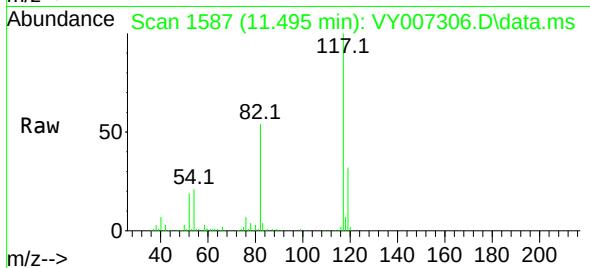
Tgt Ion:117 Resp: 142546

Ion Ratio Lower Upper

117 100

82 54.2 45.4 68.0

119 32.5 26.4 39.6



#67

Ethyl Benzene

Concen: 16.005 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY007306.D

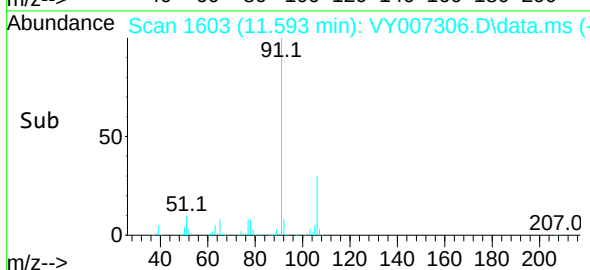
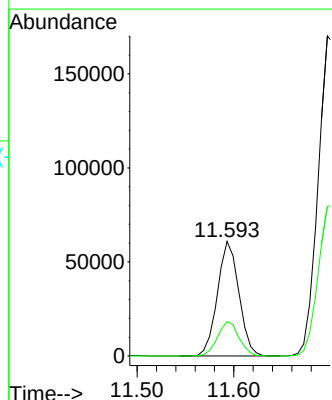
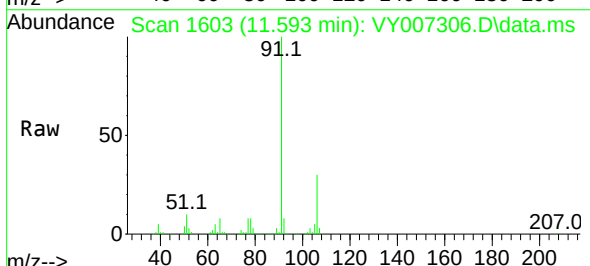
Acq: 26 Jan 2022 14:58

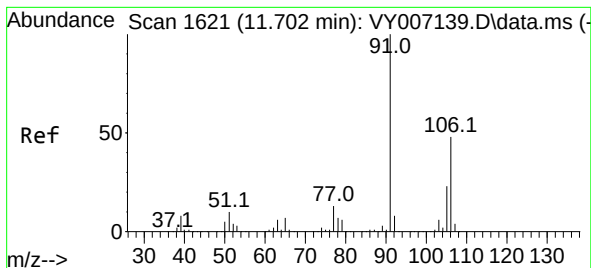
Tgt Ion: 91 Resp: 93757

Ion Ratio Lower Upper

91 100

106 30.1 23.9 35.9

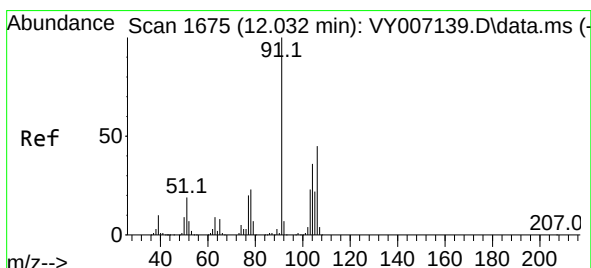
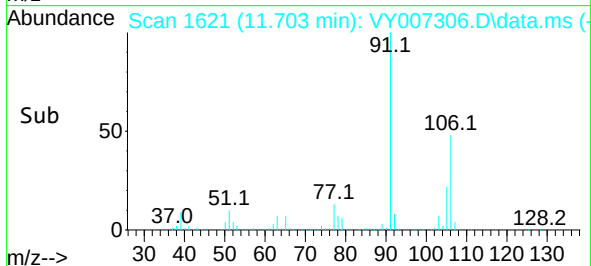
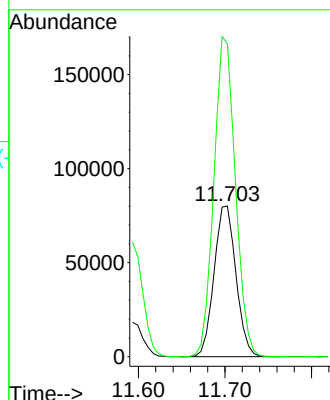
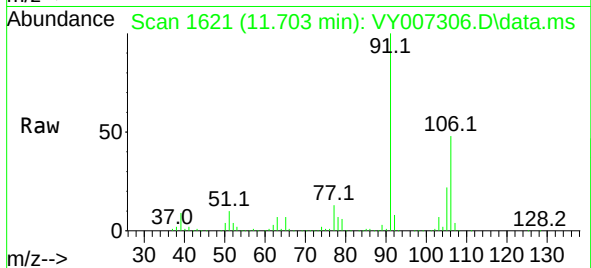




#68
m/p-Xylenes
Concen: 64.639 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

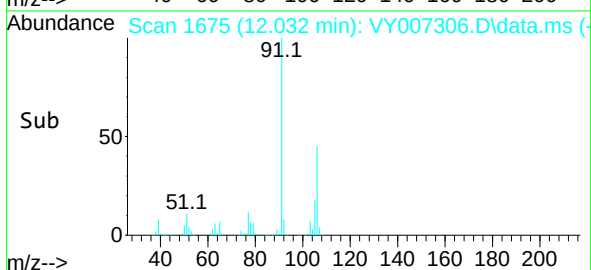
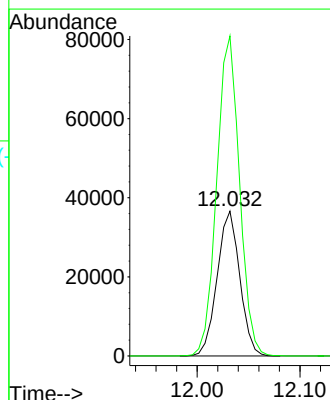
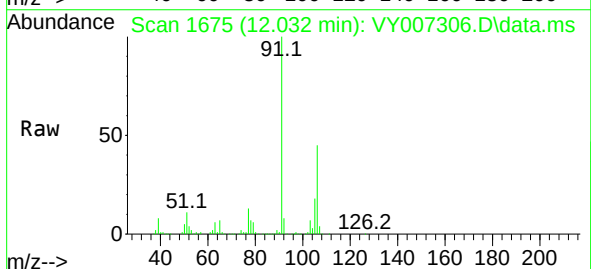
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

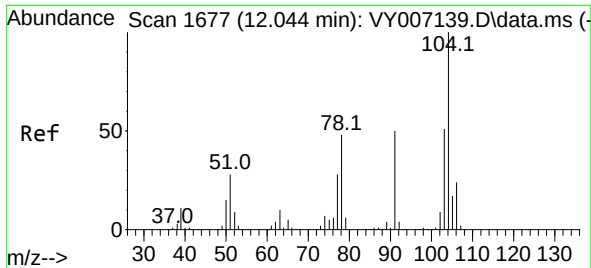
Tgt Ion:106 Resp: 140718
Ion Ratio Lower Upper
106 100
91 208.9 167.1 250.7



#69
o-Xylene
Concen: 27.296 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion:106 Resp: 55960
Ion Ratio Lower Upper
106 100
91 222.2 109.9 329.6

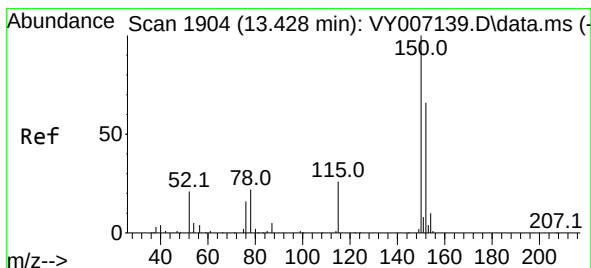
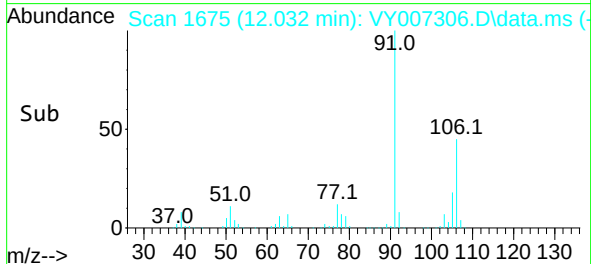
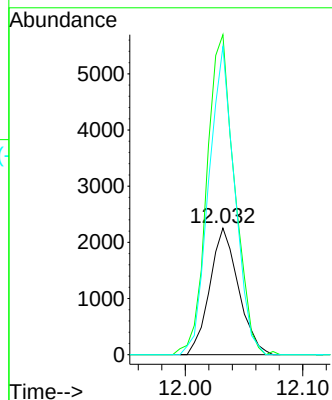
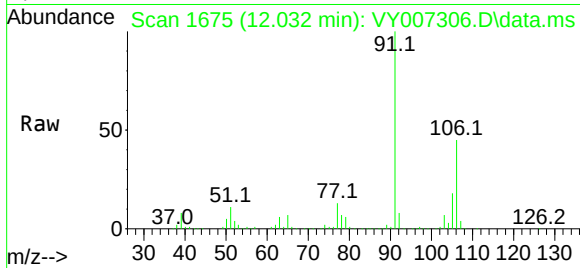




#70
Styrene
Concen: 1.105 ug/l
RT: 12.032 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

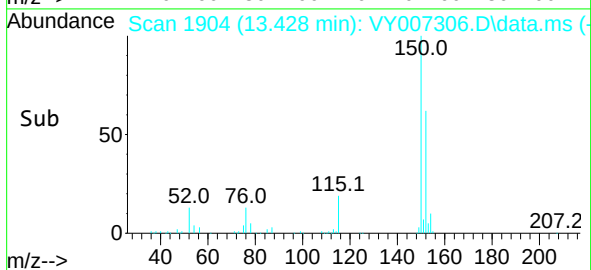
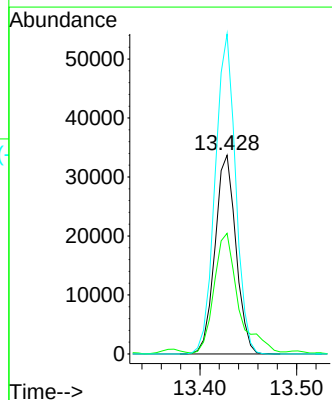
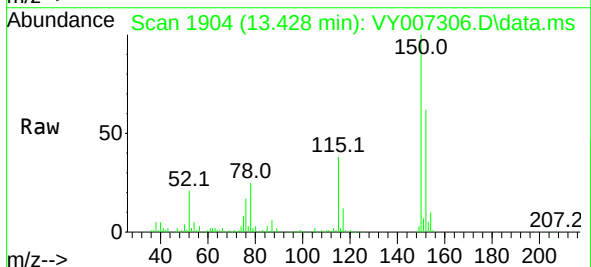
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

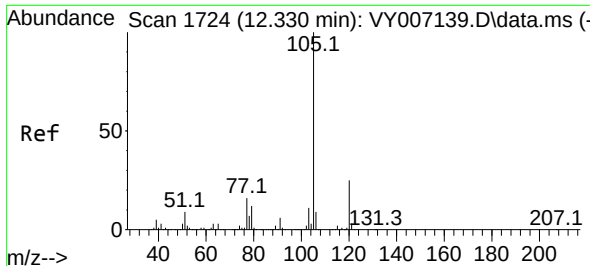
Tgt Ion:104 Resp: 3820
Ion Ratio Lower Upper
104 100
78 244.3 41.4 62.0#
103 220.4 44.2 66.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion:152 Resp: 50610
Ion Ratio Lower Upper
152 100
115 70.9 31.4 94.0
150 157.4 0.0 348.4

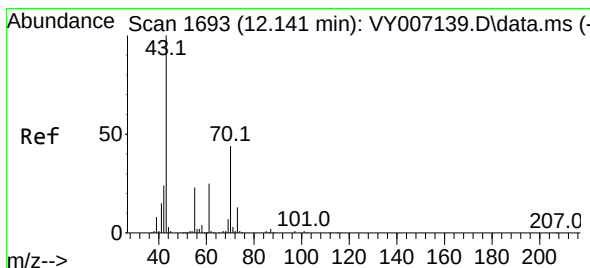
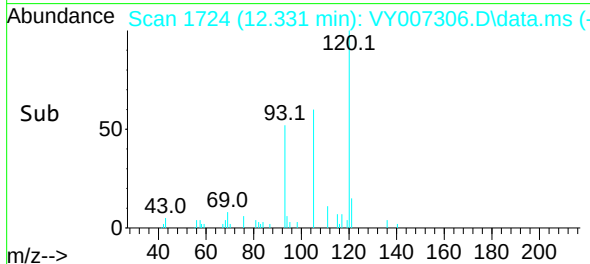
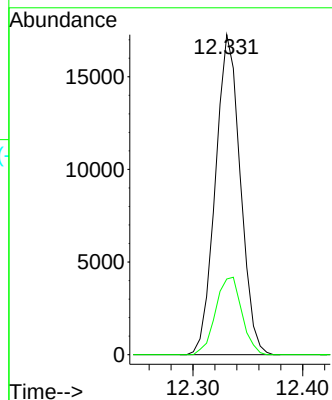
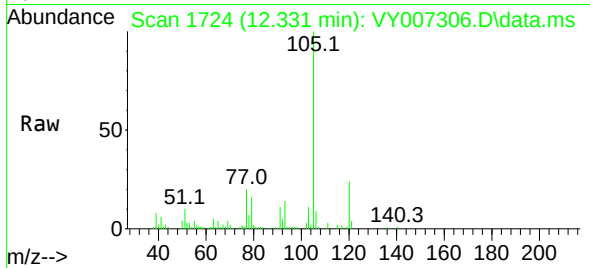




#73
Isopropylbenzene
Concen: 6.247 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

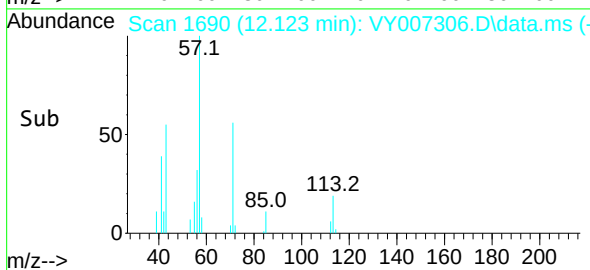
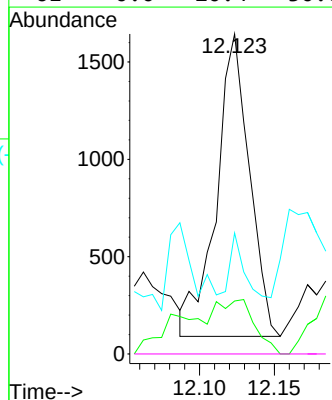
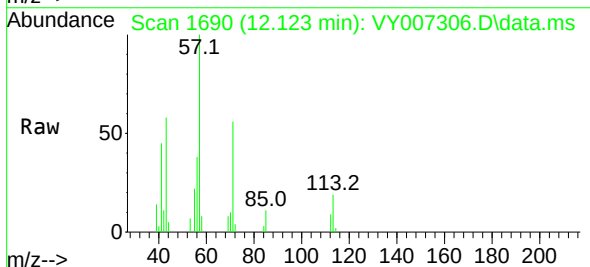
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

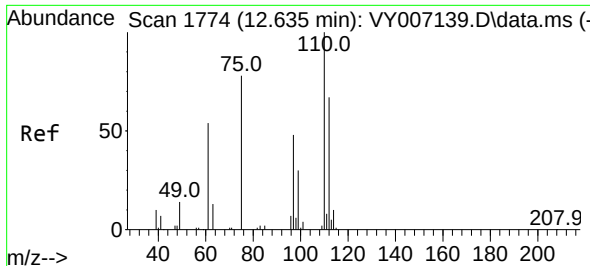
Tgt Ion:105 Resp: 27306
Ion Ratio Lower Upper
105 100
120 25.4 13.1 39.1



#74
N-ethyl acetate
Concen: 2.037 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 43 Resp: 2381
Ion Ratio Lower Upper
43 100
70 20.9 36.2 54.4#
55 8.4 19.0 28.4#
61 0.0 20.4 30.6#

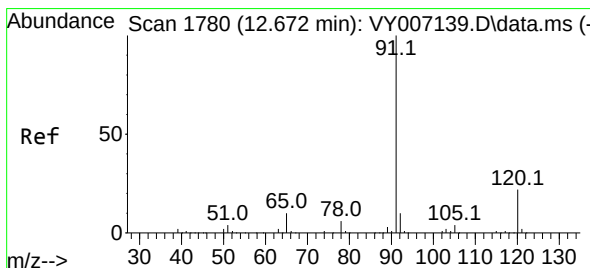
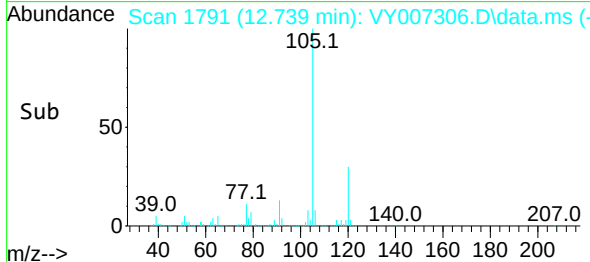
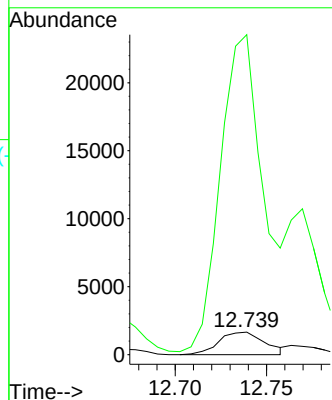
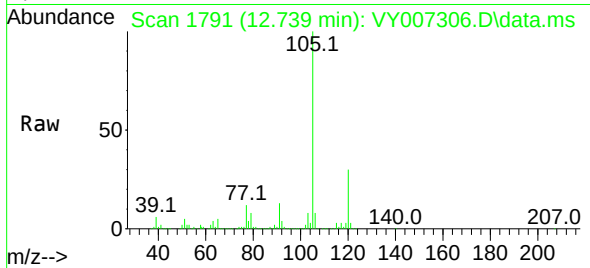




#76
1,2,3-Trichloropropane
Concen: 5.025 ug/l
RT: 12.739 min Scan# 1774
Delta R.T. 0.104 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

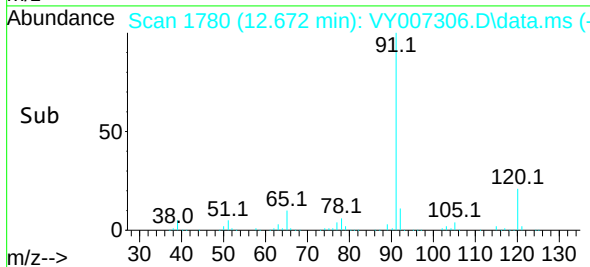
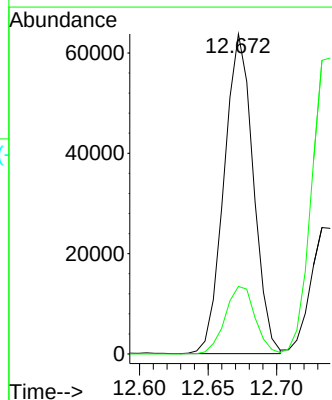
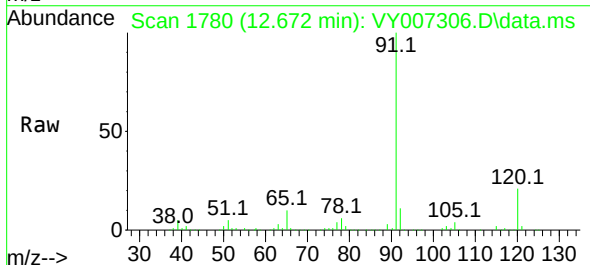
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

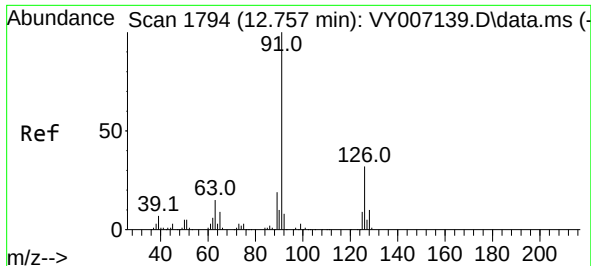
Tgt Ion: 75 Resp: 2900
Ion Ratio Lower Upper
75 100
77 1309.7 0.0 0.0#



#78
n-propylbenzene
Concen: 17.417 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 91 Resp: 94378
Ion Ratio Lower Upper
91 100
120 21.8 11.2 33.5

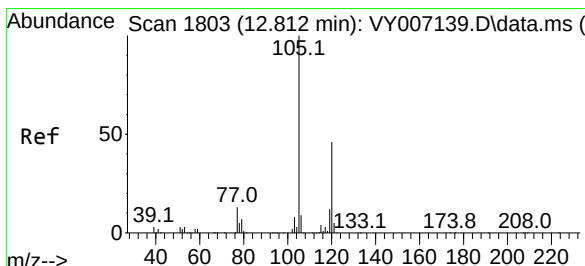
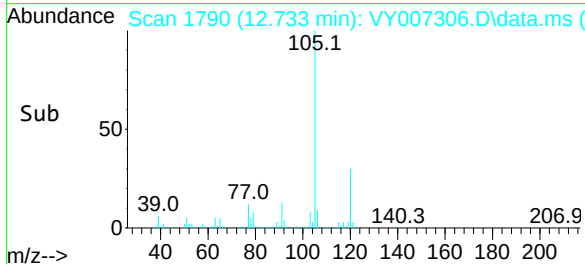
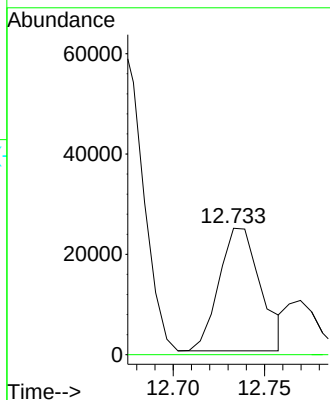
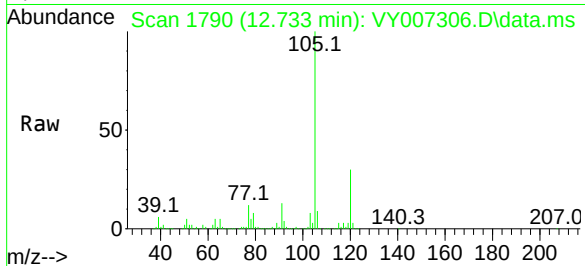




#79
2-Chlorotoluene
Concen: 12.950 ug/l
RT: 12.733 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

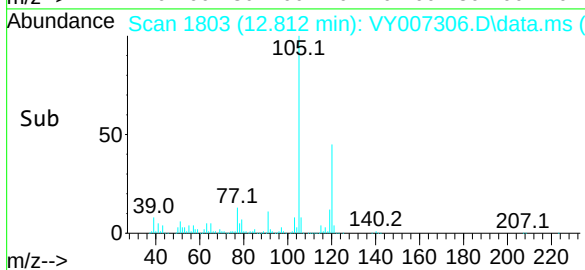
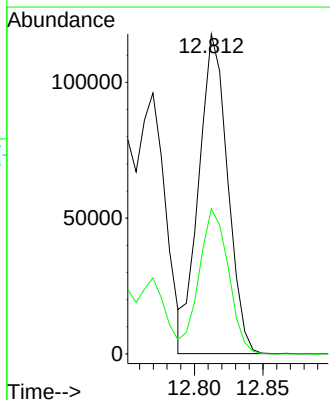
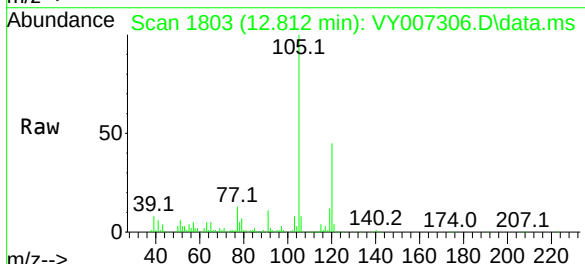
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

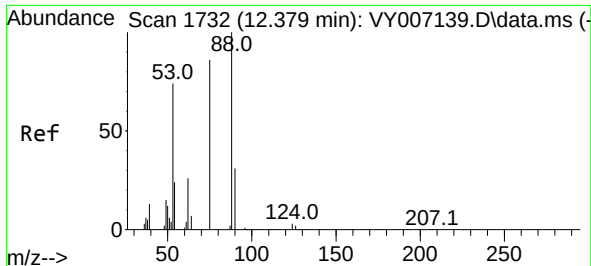
Tgt Ion: 91 Resp: 39016
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.1#



#80
1,3,5-Trimethylbenzene
Concen: 47.874 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 105 Resp: 171826
Ion Ratio Lower Upper
105 100
120 46.4 23.7 71.1

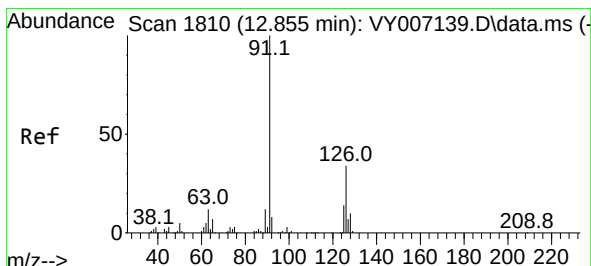
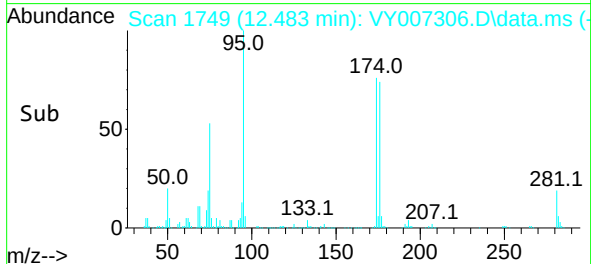
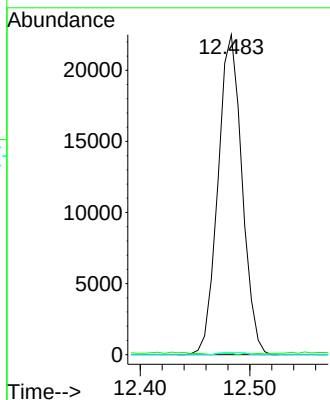
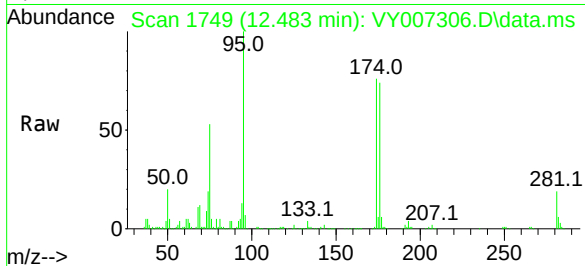




#81
trans-1,4-Dichloro-2-butene
Concen: 108.875 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

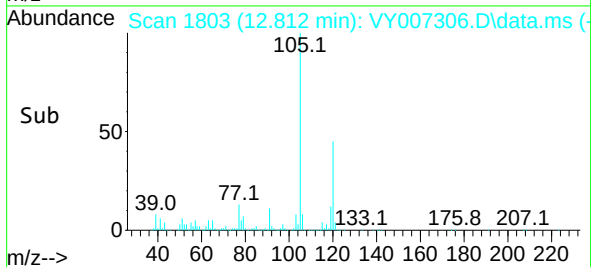
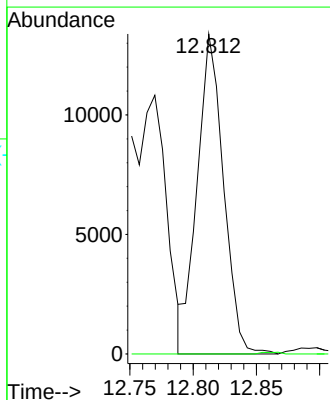
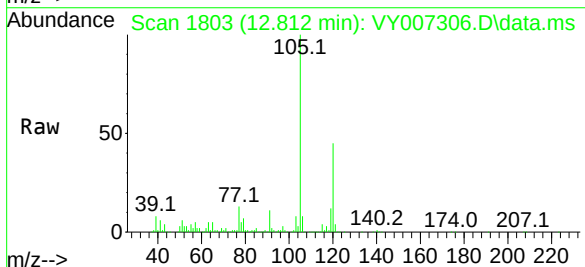
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

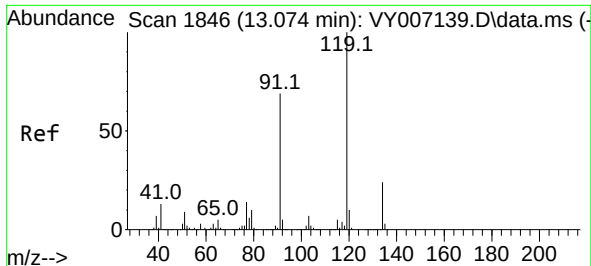
Tgt Ion: 75 Resp: 34320
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 0.7 0.0 0.0#



#82
4-Chlorotoluene
Concen: 6.158 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.042 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion: 91 Resp: 19352
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.9#

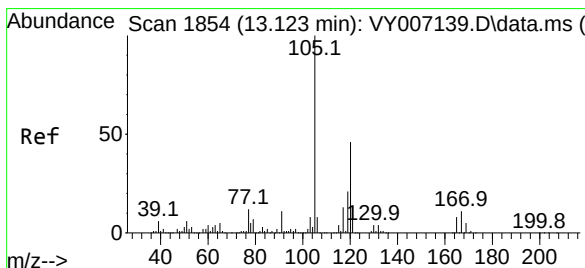
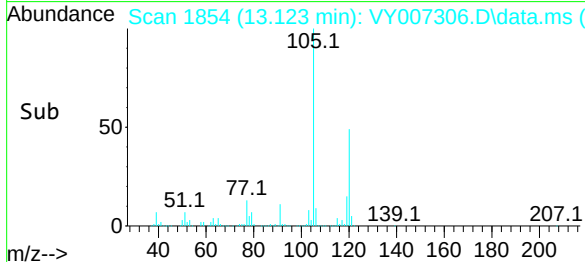
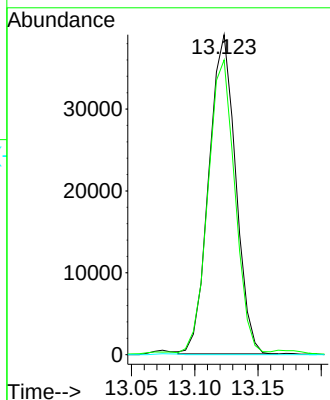
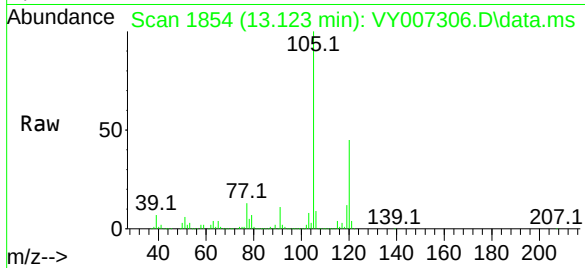




#83
tert-Butylbenzene
Concen: 18.546 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.049 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

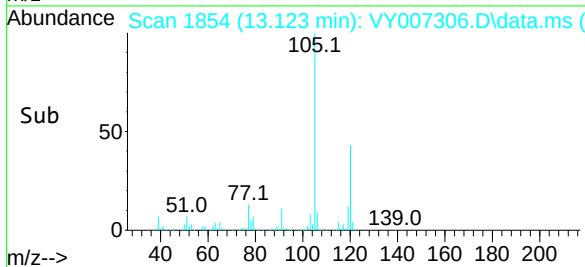
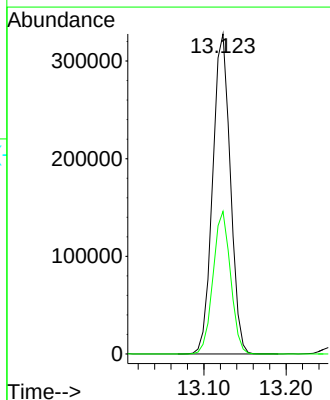
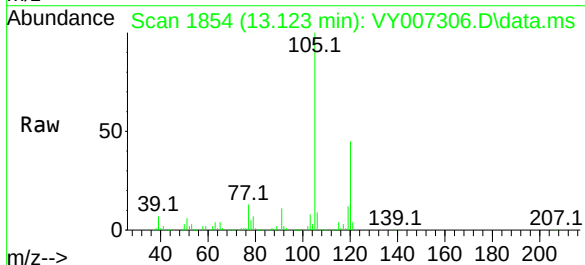
Instrument :
MSVOA_Y
ClientSampleId :
C1-C2

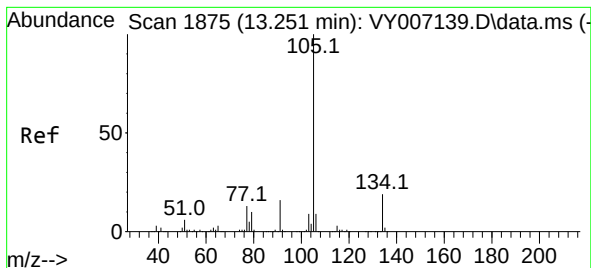
Tgt Ion:119 Resp: 57517
Ion Ratio Lower Upper
119 100
91 93.9 33.1 99.5
134 0.0 12.9 38.7#



#84
1,2,4-Trimethylbenzene
Concen: 137.390 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007306.D
Acq: 26 Jan 2022 14:58

Tgt Ion:105 Resp: 488779
Ion Ratio Lower Upper
105 100
120 44.1 21.6 64.6





#85

sec-Butylbenzene

Concen: 105.348 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.128 min

Lab File: VY007306.D

Acq: 26 Jan 2022 14:58

Instrument :

MSVOA_Y

ClientSampleId :

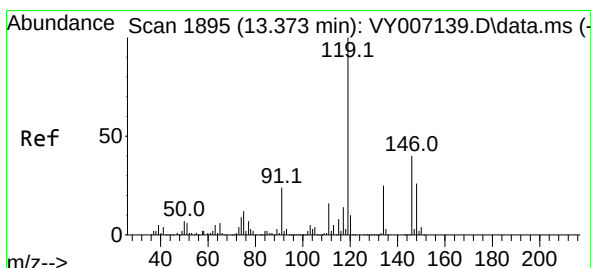
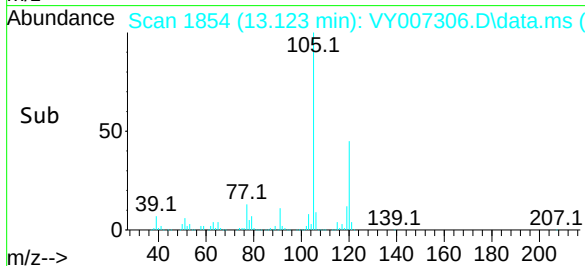
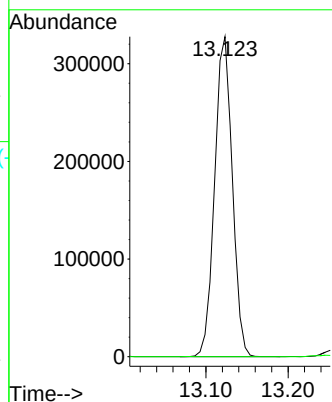
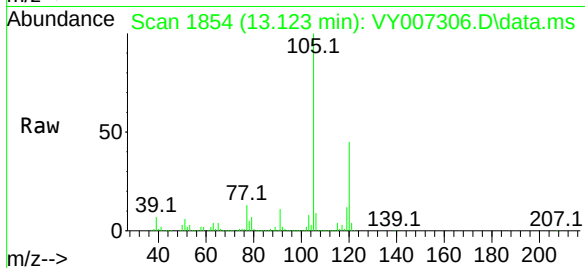
C1-C2

Tgt Ion:105 Resp: 488779

Ion Ratio Lower Upper

105 100

134 0.0 9.9 29.7#



#86

p-Isopropyltoluene

Concen: 3.680 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY007306.D

Acq: 26 Jan 2022 14:58

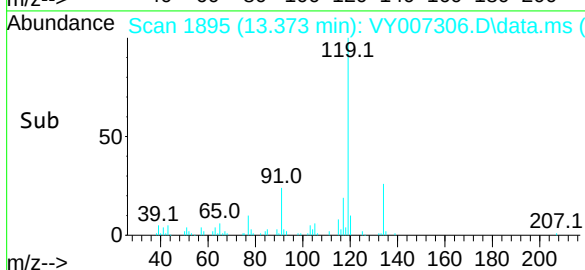
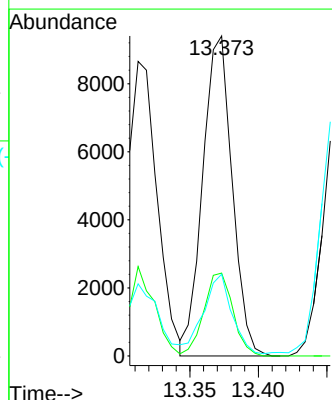
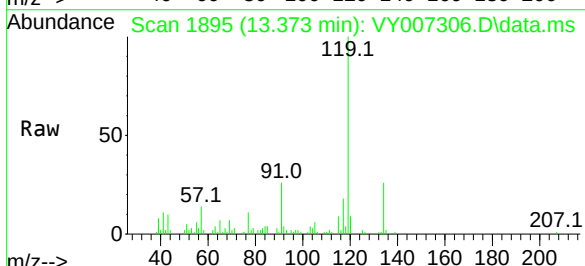
Tgt Ion:119 Resp: 14032

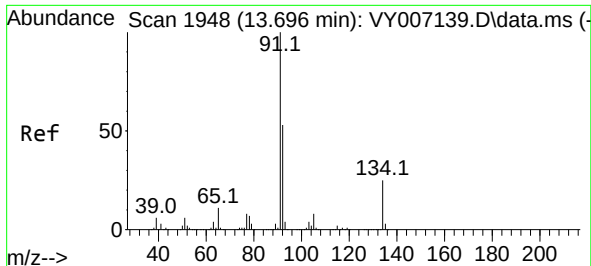
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.8 12.4 37.2





#89

n-Butylbenzene

Concen: 1.749 ug/l

RT: 13.666 min Scan# 1948

Delta R.T. -0.030 min

Lab File: VY007306.D

Acq: 26 Jan 2022 14:58

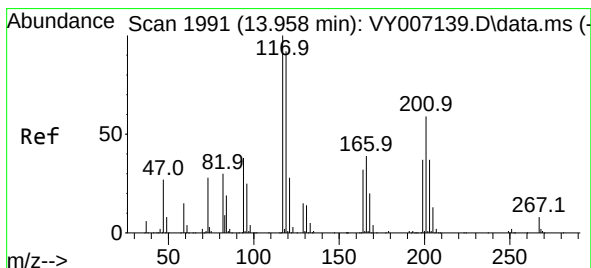
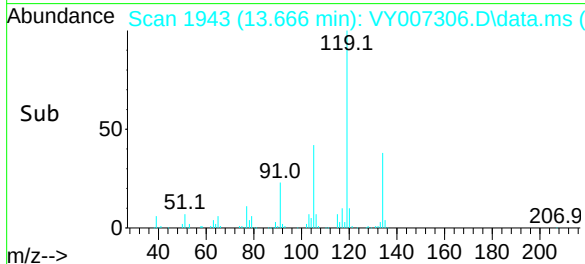
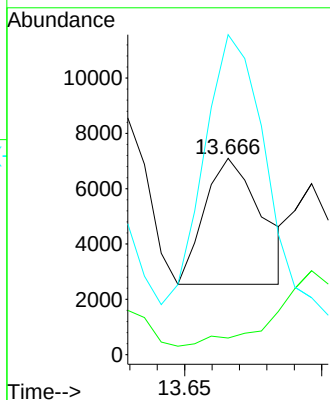
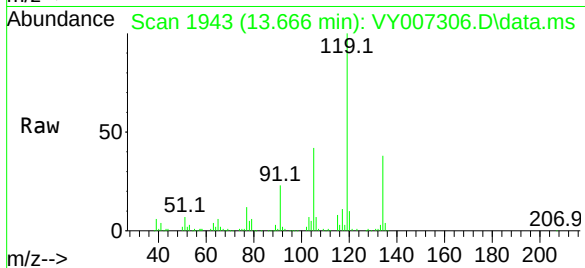
Instrument :

MSVOA_Y

ClientSampleId :

C1-C2

Tgt Ion: 91	Resp: 6565
Ion Ratio	Lower Upper
91	100
92	0.0 26.9 80.6#
134	326.6 12.6 37.6#



#90

Hexachloroethane

Concen: 5.580 ug/l

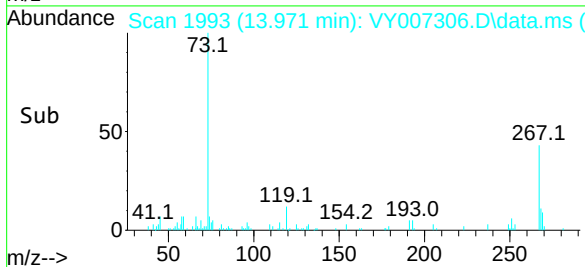
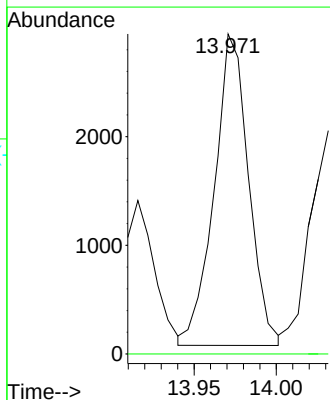
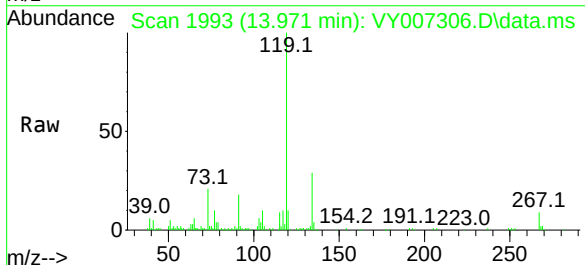
RT: 13.971 min Scan# 1993

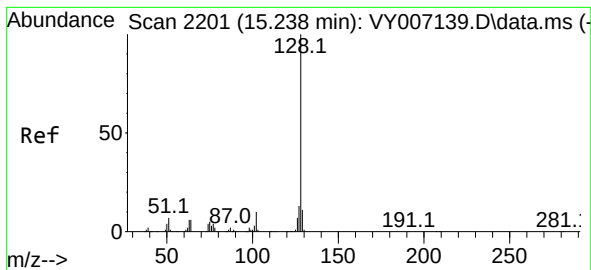
Delta R.T. 0.012 min

Lab File: VY007306.D

Acq: 26 Jan 2022 14:58

Tgt Ion: 117	Resp: 4159
Ion Ratio	Lower Upper
117	100
201	0.0 33.6 100.6#





#95

Naphthalene

Concen: 18.965 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007306.D

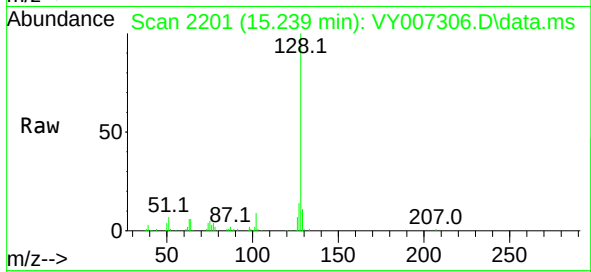
Acq: 26 Jan 2022 14:58

Instrument :

MSVOA_Y

ClientSampleId :

C1-C2



Tgt Ion:128 Resp: 40576

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 11.2 8.9 13.3

