

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050421\
 Data File : VY004713.D
 Acq On : 04 May 2021 14:21
 Operator : SY/MD
 Sample : M2255-01
 Misc : 4.34G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 01:33:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

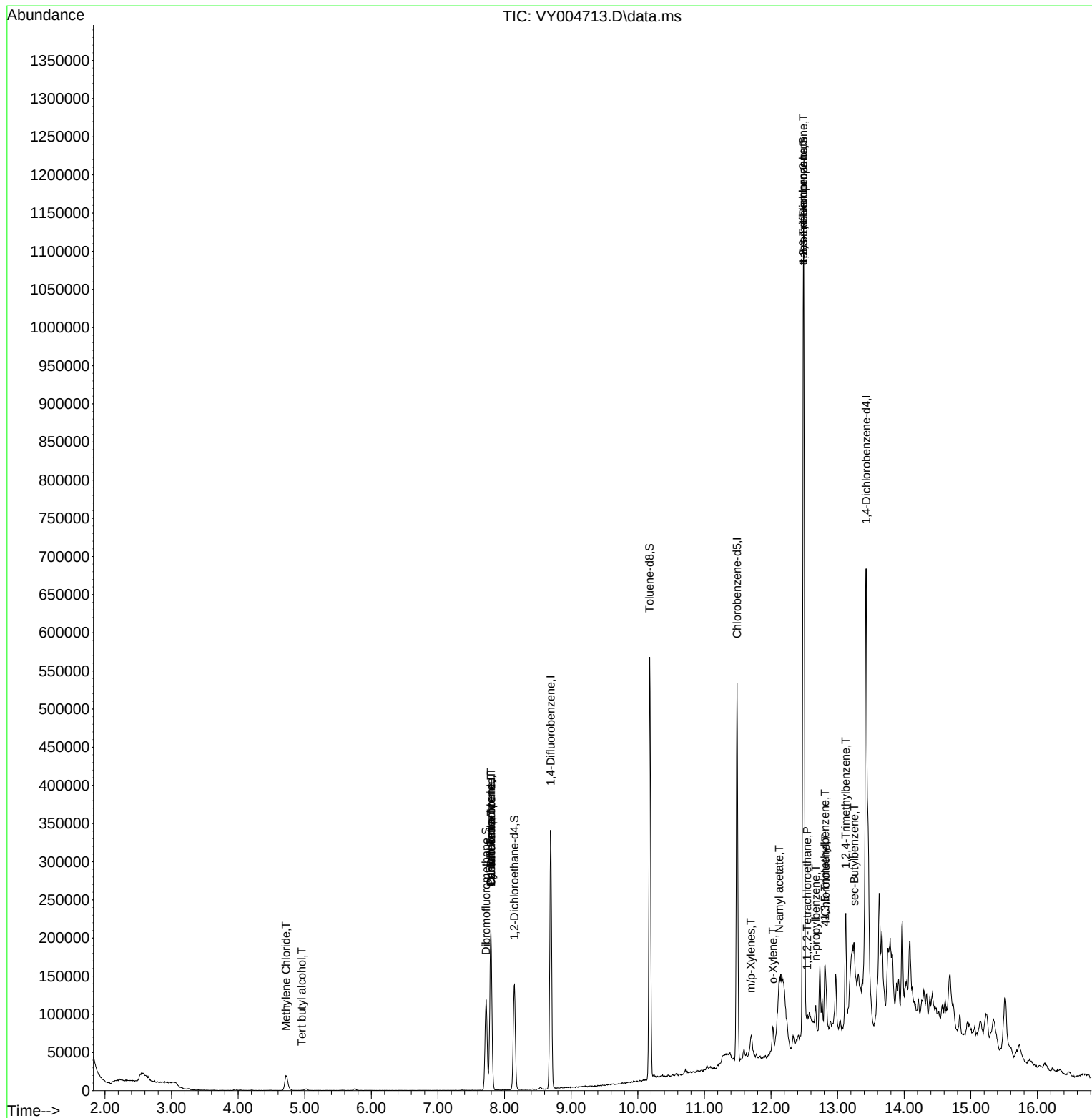
Internal Standards						
1) Pentafluorobenzene	7.795	168	154643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	246527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99330	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	106945	62.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.48%			
35) Dibromofluoromethane	7.722	113	80147	52.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.26%			
50) Toluene-d8	10.179	98	339665	52.44	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.88%			
62) 4-Bromofluorobenzene	12.483	95	110837	50.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.84%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	366	2.16	ug/l #	73
16) Acetone	3.954	43	3024	Below Cal		97
20) Methylene Chloride	4.716	84	13884	8.37	ug/l	96
31) Cyclohexane	7.795	56	3828	1.22	ug/l #	15
36) 1,1-Dichloropropene	7.795	75	12580	4.61	ug/l #	51
38) Carbon Tetrachloride	7.795	117	16119	6.84	ug/l #	18
68) m/p-Xylenes	11.697	106	6141	1.76	ug/l	93
69) o-Xylene	12.032	106	8716	2.66	ug/l	94
74) N-amyl acetate	12.124	43	8994	3.48	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.544	83	2153	1.48	ug/l #	35
76) 1,2,3-Trichloropropane	12.483	75	67301	63.13	ug/l #	100
78) n-propylbenzene	12.672	91	19839	2.19	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	30926	4.96	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	67301	112.93	ug/l #	15
82) 4-Chlorotoluene	12.819	91	6585	1.26	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.123	105	76767	12.19	ug/l	100
85) sec-Butylbenzene	13.251	105	11793	1.58	ug/l	90

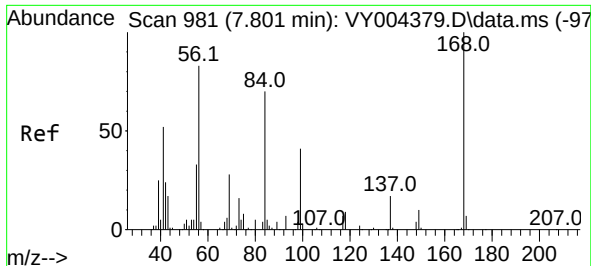
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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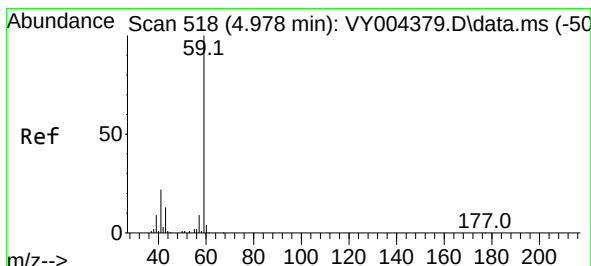
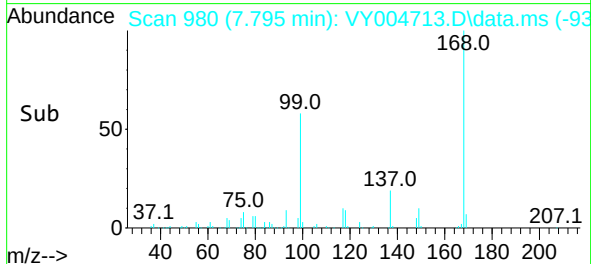
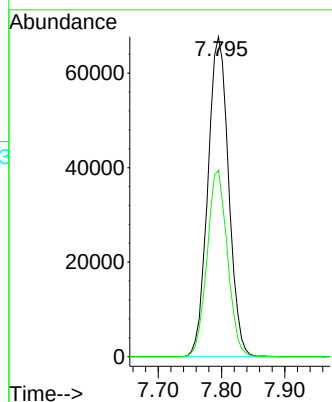
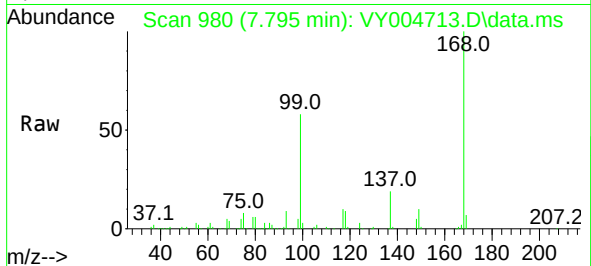




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

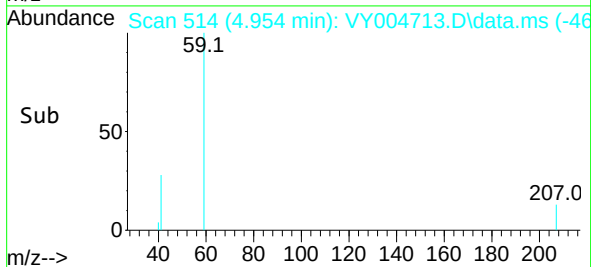
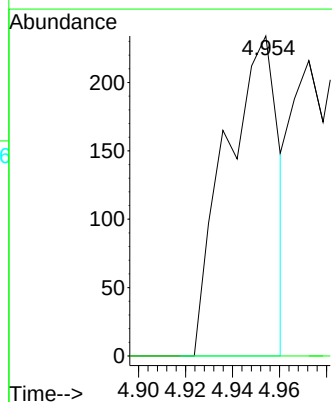
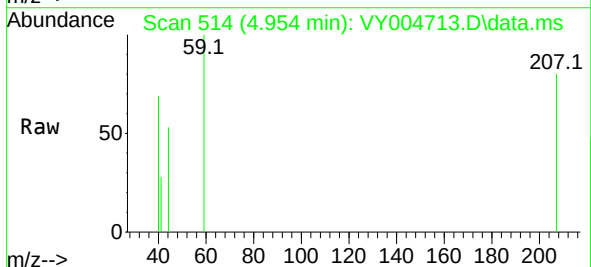
Instrument :
MSVOA_Y
ClientSampled :

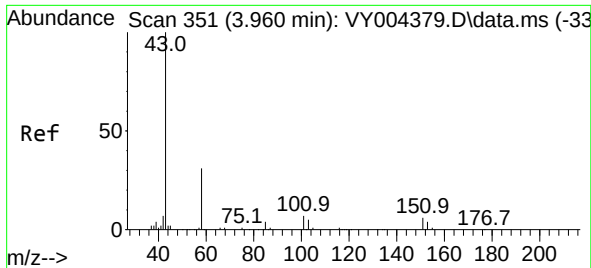
Tgt Ion:168 Resp: 154643
Ion Ratio Lower Upper
168 100
99 58.3 45.5 68.3



#11
Tert butyl alcohol
Concen: 2.16 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

Tgt Ion: 59 Resp: 366
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

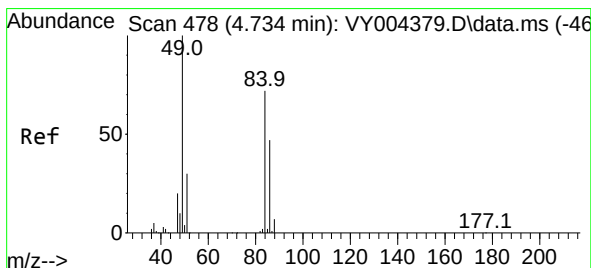
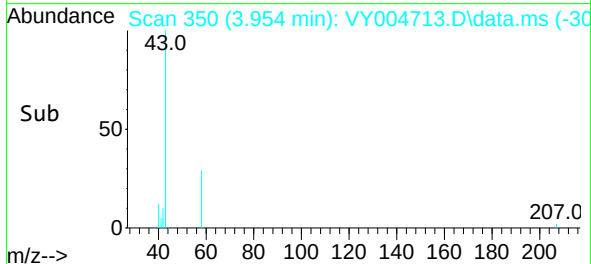
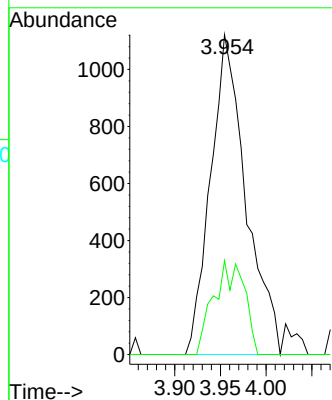
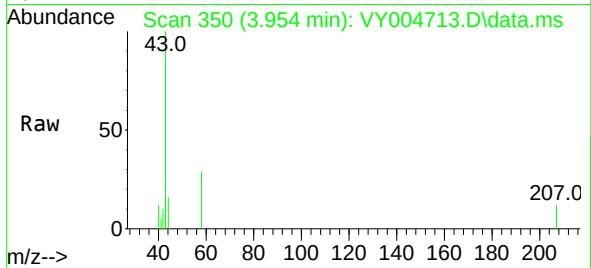




#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

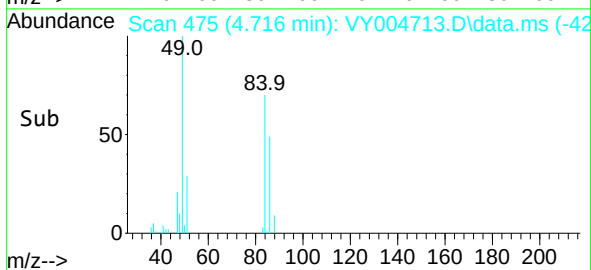
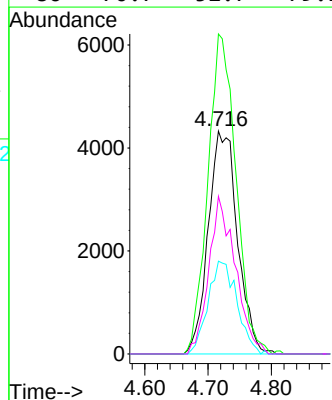
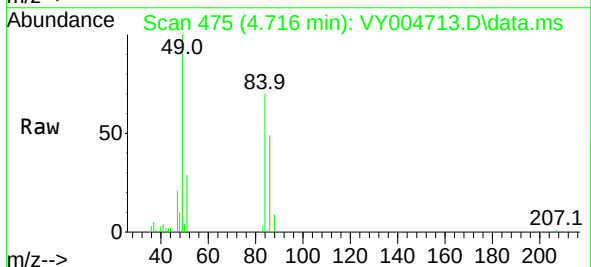
Instrument :
MSVOA_Y
ClientSampleId :

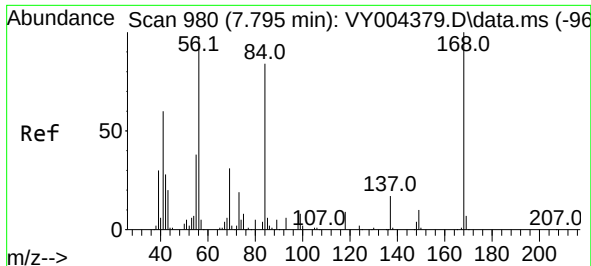
Tgt Ion: 43 Resp: 3024
Ion Ratio Lower Upper
43 100
58 29.3 24.6 37.0



#20
Methylene Chloride
Concen: 8.37 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.018 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

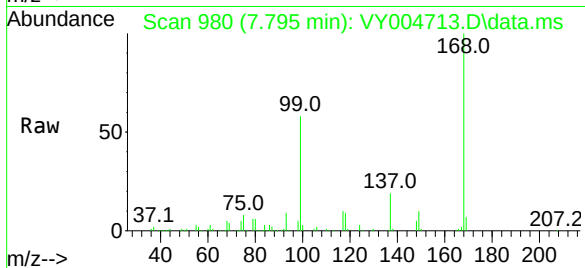
Tgt Ion: 84 Resp: 13884
Ion Ratio Lower Upper
84 100
49 143.6 111.2 166.8
51 41.6 33.4 50.2
86 70.7 52.7 79.1



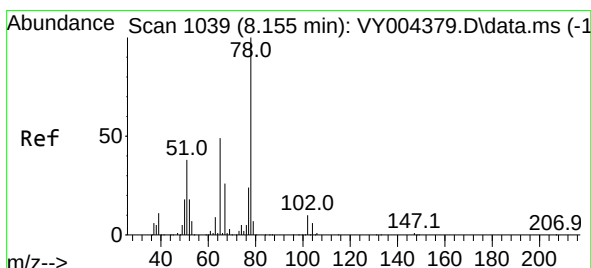
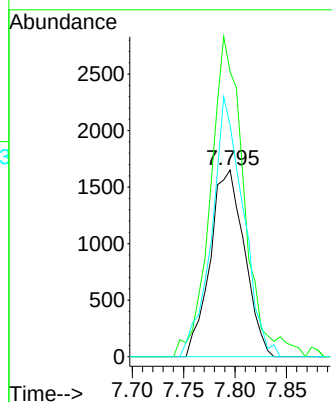
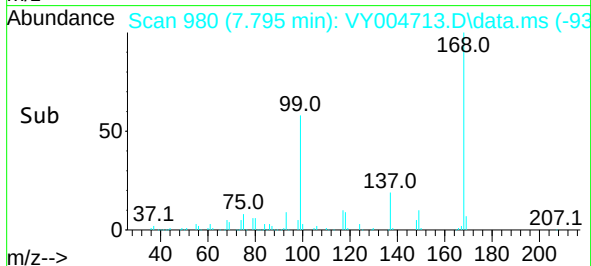


#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

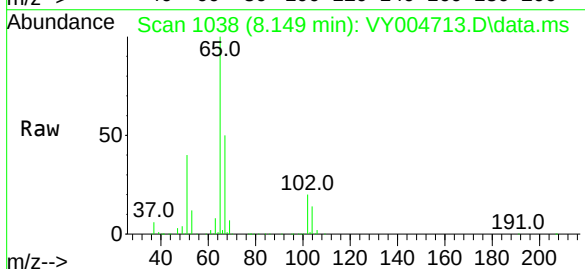
Instrument :
MSVOA_Y
ClientSampleId :



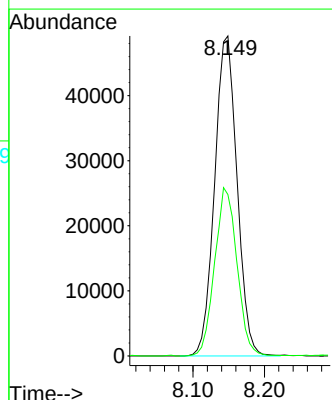
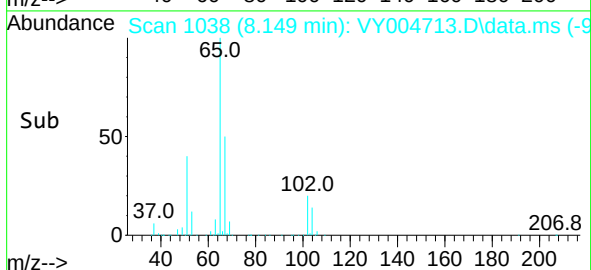
Tgt Ion: 56 Resp: 3828
Ion Ratio Lower Upper
56 100
69 143.4 25.8 38.6#
84 124.0 68.2 102.4#

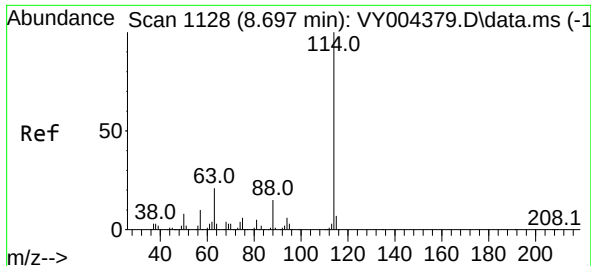


#33
1,2-Dichloroethane-d4
Concen: 62.24 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21



Tgt Ion: 65 Resp: 106945
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.4

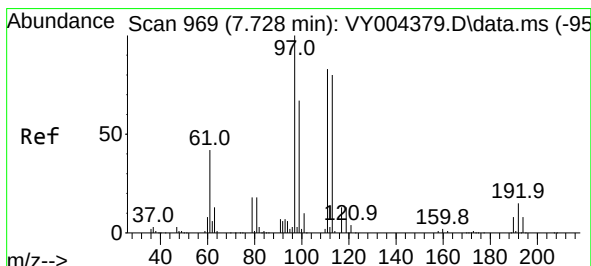
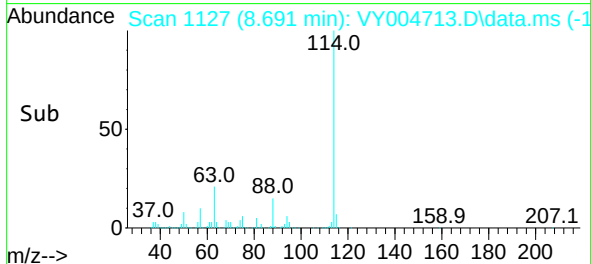
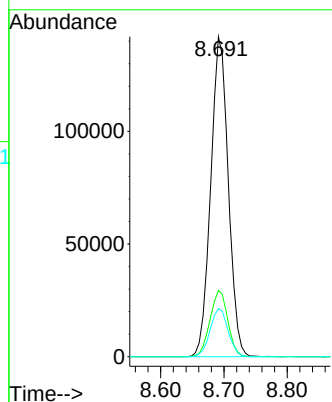
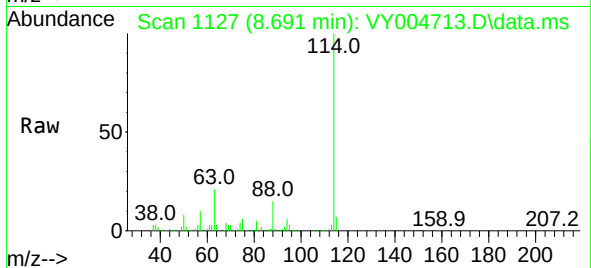




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

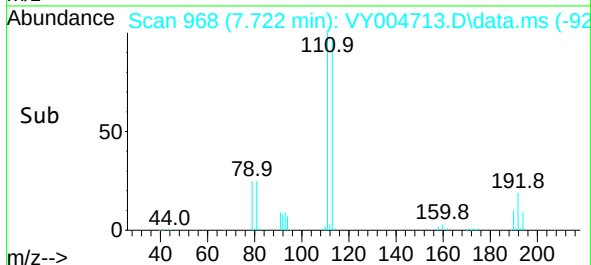
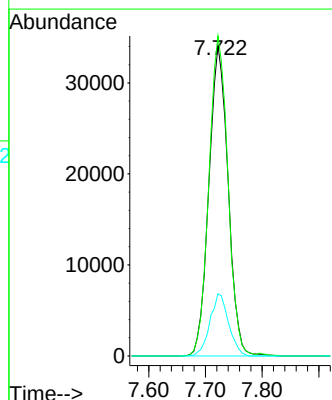
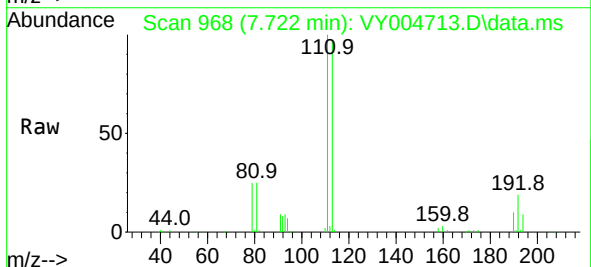
Instrument :
MSVOA_Y
ClientSampleId :

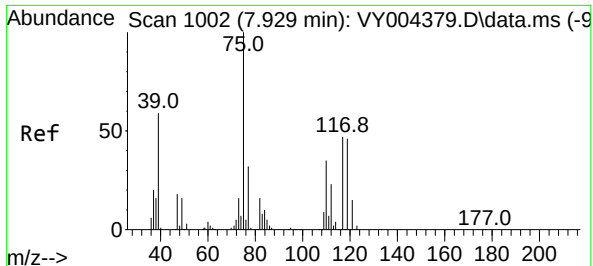
Tgt Ion:114 Resp: 274413
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.4
88 15.0 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.63 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

Tgt Ion:113 Resp: 80147
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 19.5 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.61 ug/l

RT: 7.795 min Scan# 980

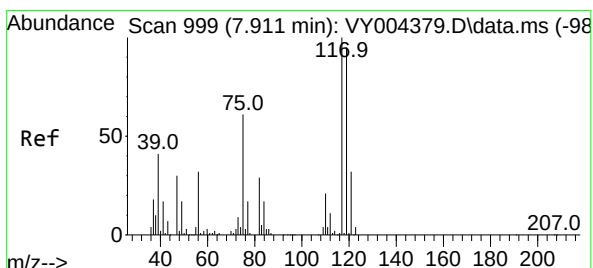
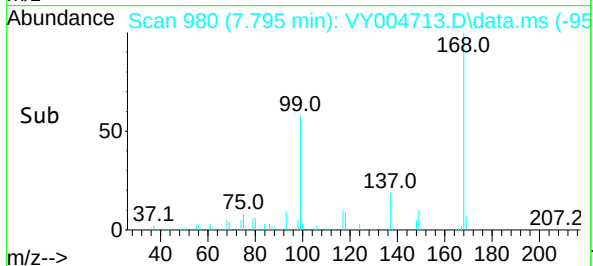
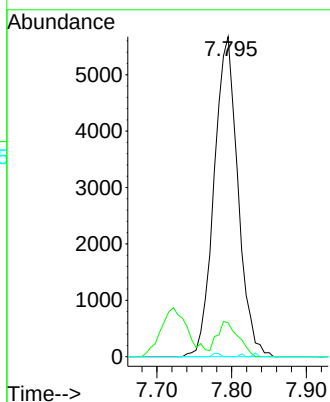
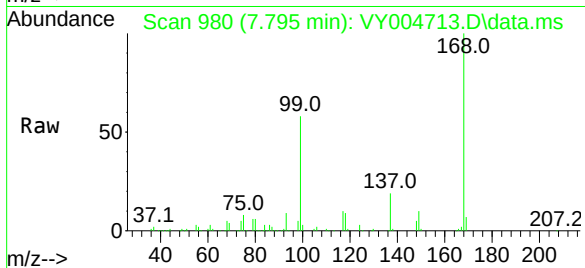
Delta R.T. -0.134 min

Lab File: VY004713.D

Acq: 04 May 2021 14:21

Tgt Ion:	75	Resp:	12580
Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.3	51.7#
77	0.3	24.3	36.5#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.84 ug/l

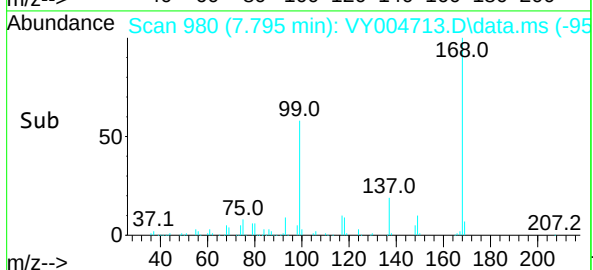
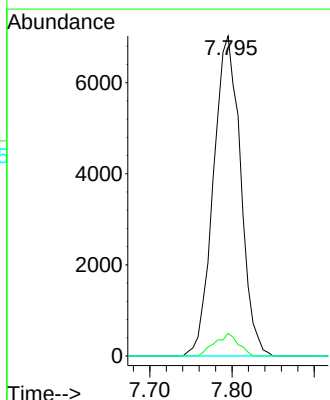
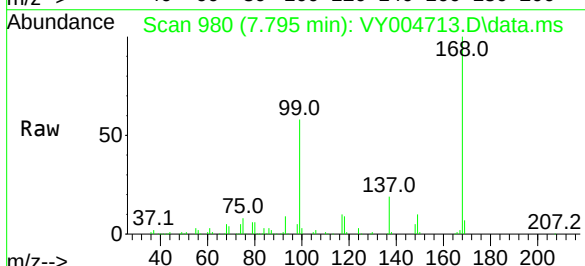
RT: 7.795 min Scan# 980

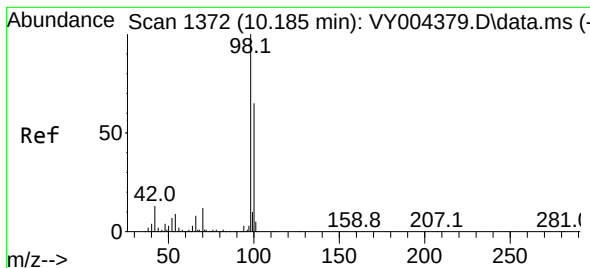
Delta R.T. -0.116 min

Lab File: VY004713.D

Acq: 04 May 2021 14:21

Tgt Ion:	117	Resp:	16119
Ion	Ratio	Lower	Upper
117	100		
119	7.0	75.8	113.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: 52.44 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY004713.D

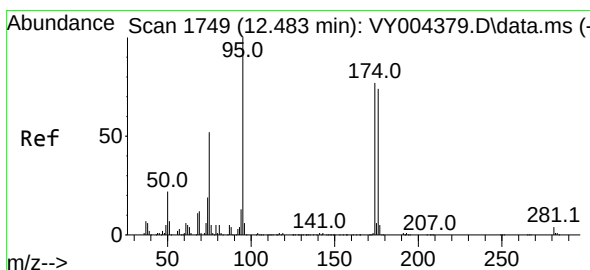
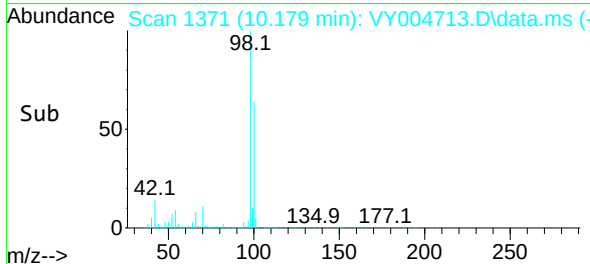
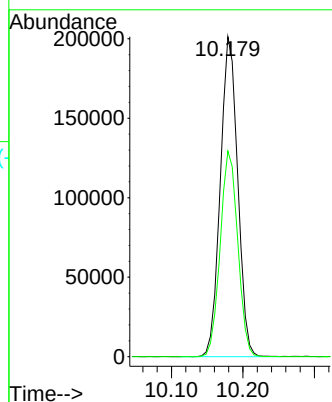
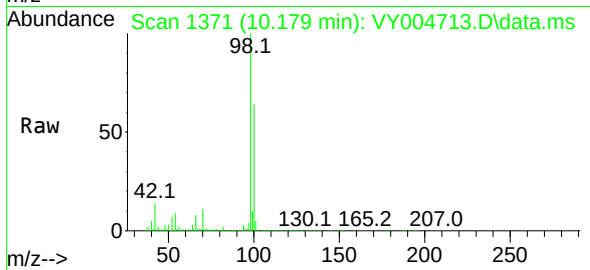
Acq: 04 May 2021 14:21

Tgt Ion: 98 Resp: 339665

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.6



#62

4-Bromofluorobenzene

Concen: 50.42 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY004713.D

Acq: 04 May 2021 14:21

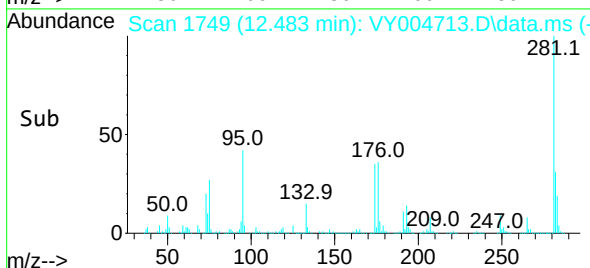
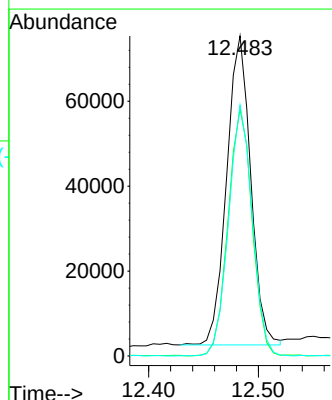
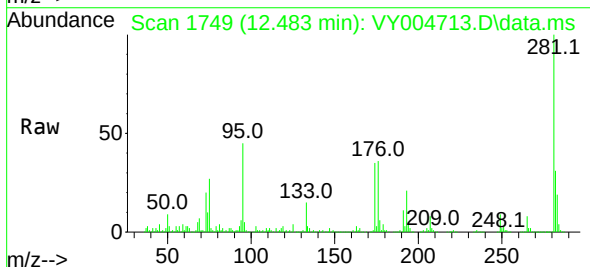
Tgt Ion: 95 Resp: 110837

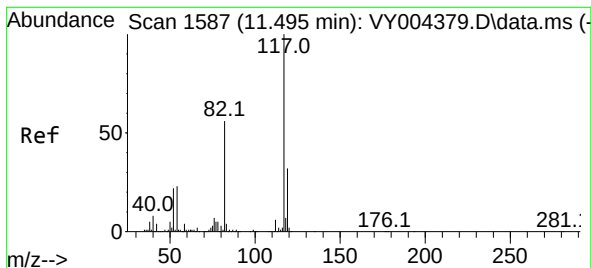
Ion Ratio Lower Upper

95 100

174 80.1 0.0 162.4

176 80.3 0.0 156.0

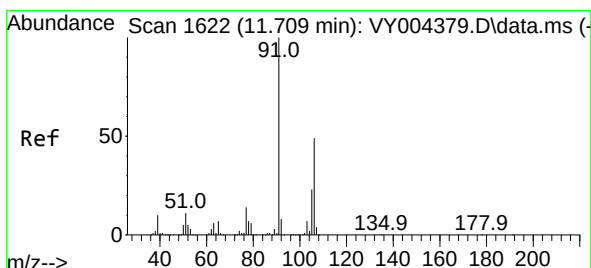
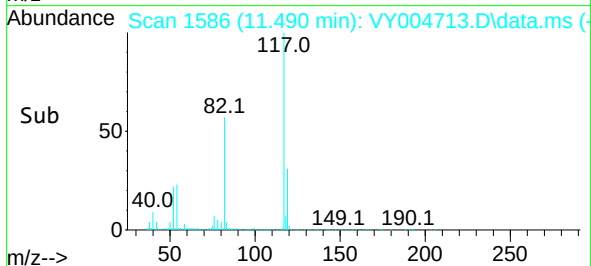
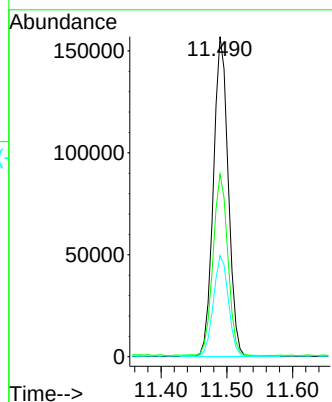
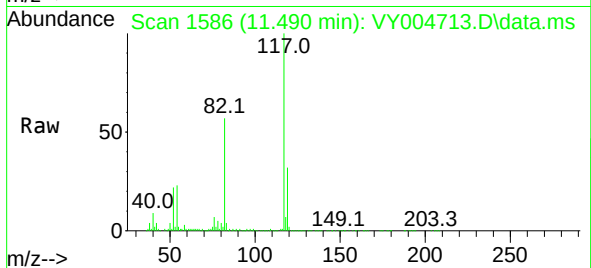




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

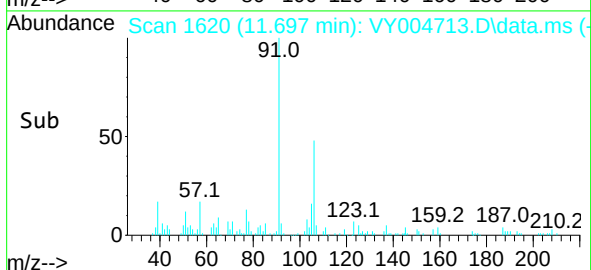
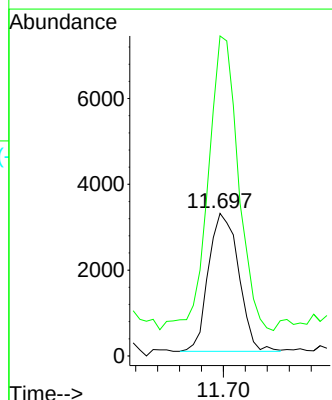
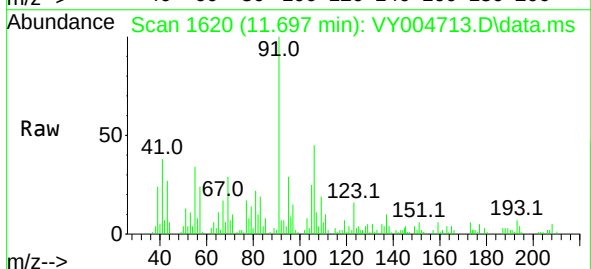
Instrument :
MSVOA_Y
ClientSampleId :

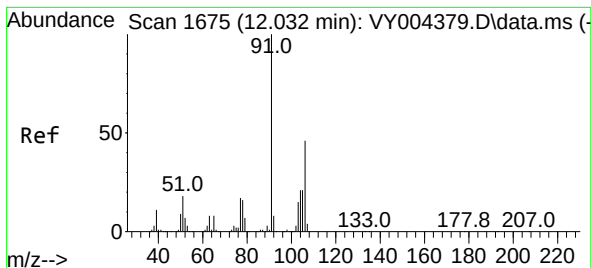
Tgt Ion:117 Resp: 246527
Ion Ratio Lower Upper
117 100
82 56.6 44.9 67.3
119 31.5 25.4 38.0



#68
m/p-Xylenes
Concen: 1.76 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.012 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

Tgt Ion:106 Resp: 6141
Ion Ratio Lower Upper
106 100
91 214.2 163.2 244.8





#69

o-Xylene

Concen: 2.66 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VY004713.D

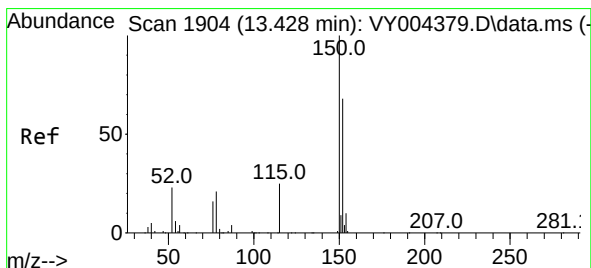
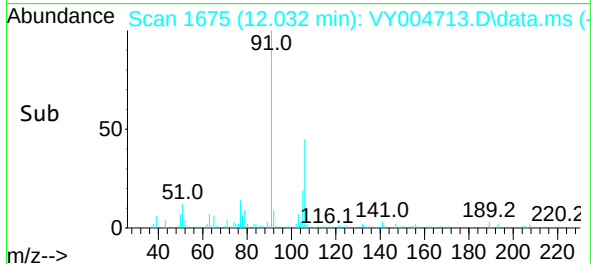
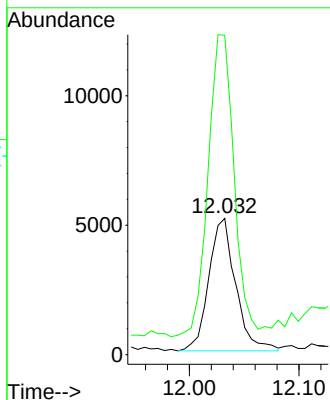
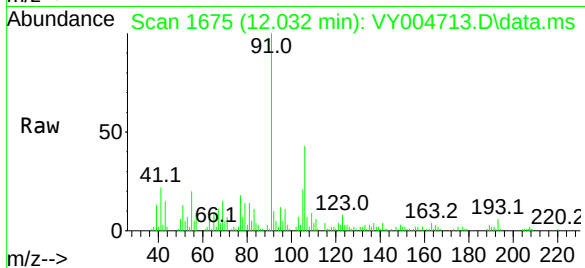
Acq: 04 May 2021 14:21

Tgt Ion:106 Resp: 8716

Ion Ratio Lower Upper

106 100

91 223.5 107.4 322.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY004713.D

Acq: 04 May 2021 14:21

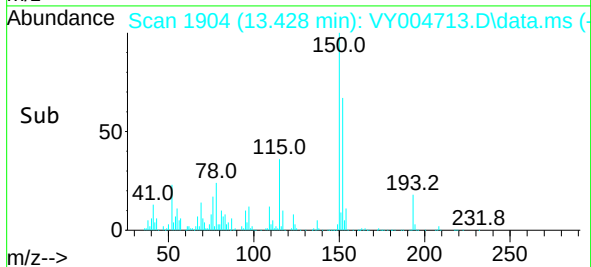
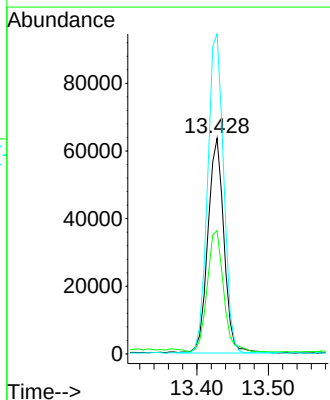
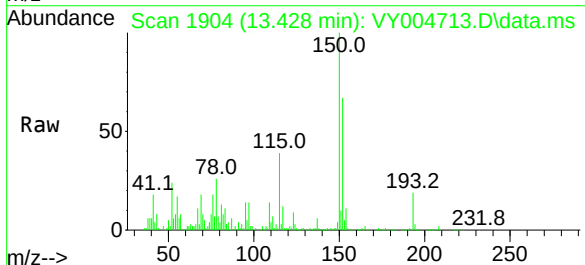
Tgt Ion:152 Resp: 99330

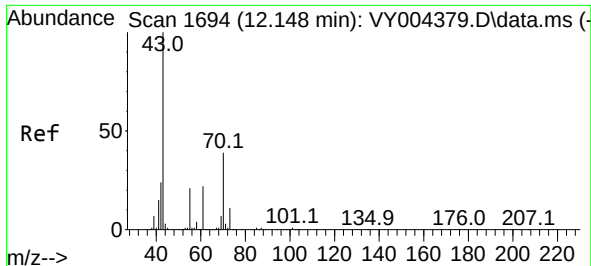
Ion Ratio Lower Upper

152 100

115 57.3 29.6 88.8

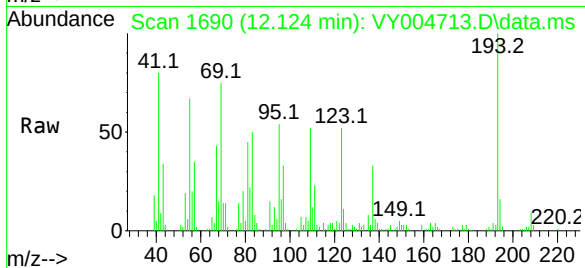
150 147.9 0.0 348.4



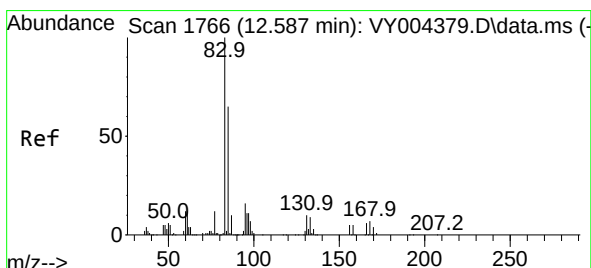
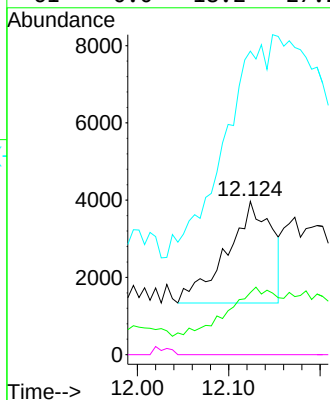
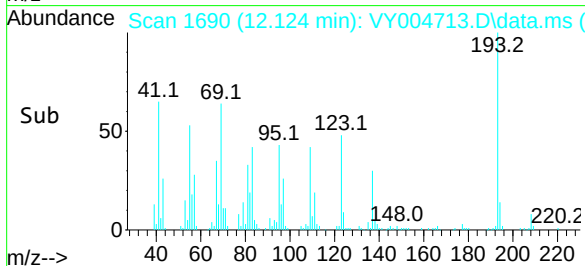


#74
N-amy1 acetate
Concen: 3.48 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

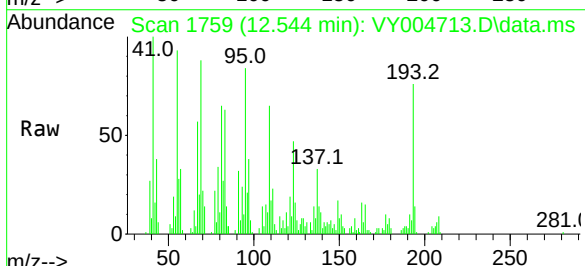
Instrument :
MSVOA_Y
ClientSampleId :



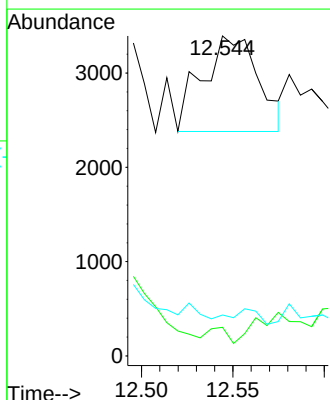
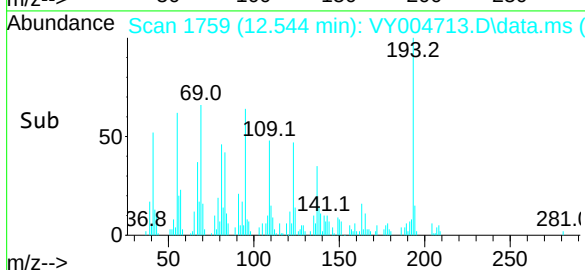
Tgt Ion:	43	Resp:	8994
Ion Ratio	Lower	Upper	
43	100		
70	50.9	30.4	45.6#
55	162.2	17.4	26.0#
61	0.0	18.2	27.2#

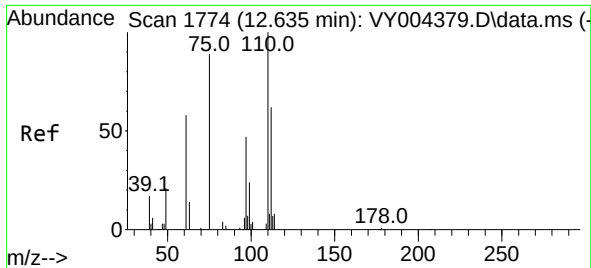


#75
1,1,2,2-Tetrachloroethane
Concen: 1.48 ug/l
RT: 12.544 min Scan# 1759
Delta R.T. -0.042 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21



Tgt Ion:	83	Resp:	2153
Ion Ratio	Lower	Upper	
83	100		
131	5.6	5.1	15.4
85	6.0	31.6	94.8#

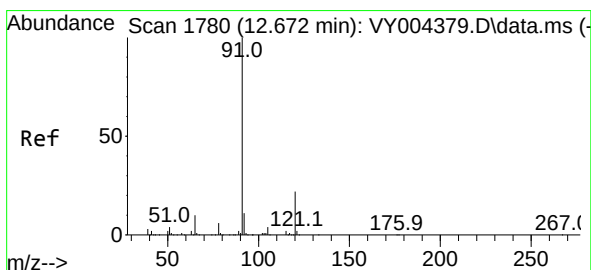
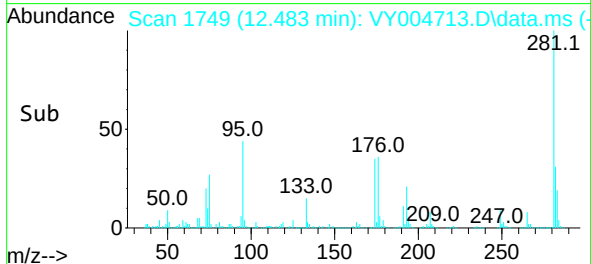
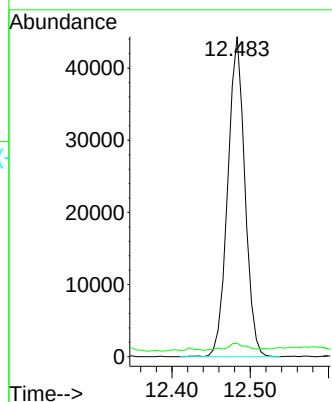
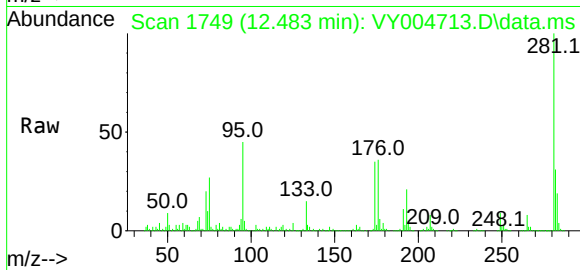




#76
1,2,3-Trichloropropane
Concen: 63.13 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

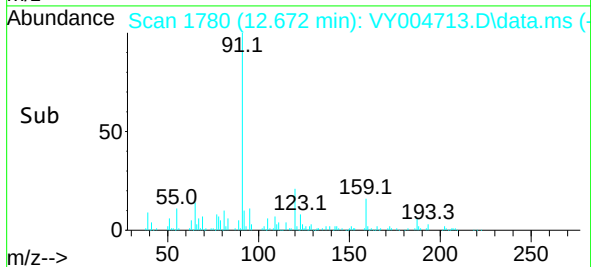
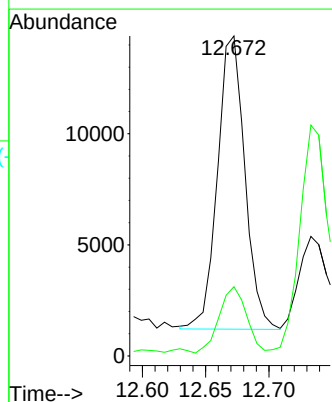
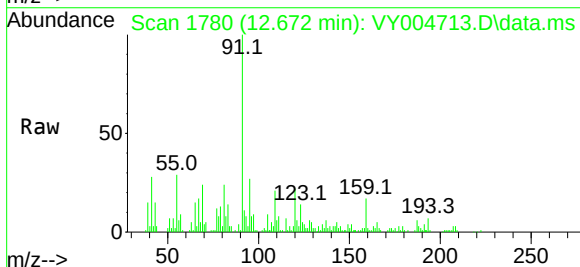
Instrument :
MSVOA_Y
ClientSampled :

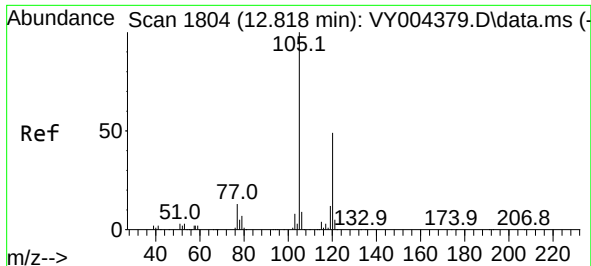
Tgt Ion: 75 Resp: 67301
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#



#78
n-propylbenzene
Concen: 2.19 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

Tgt Ion: 91 Resp: 19839
Ion Ratio Lower Upper
91 100
120 22.6 11.5 34.4

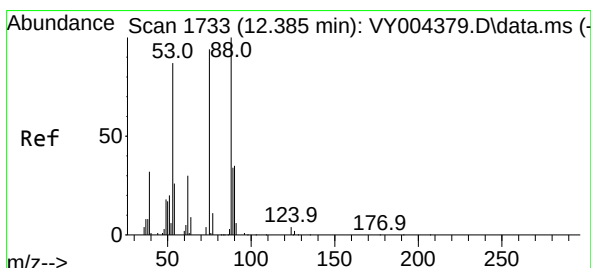
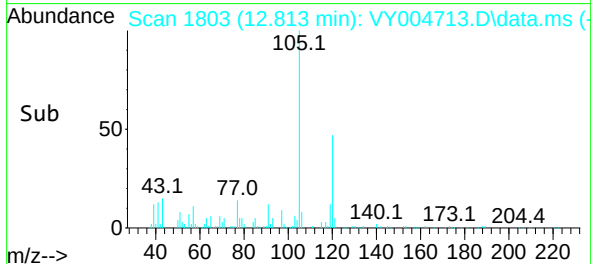
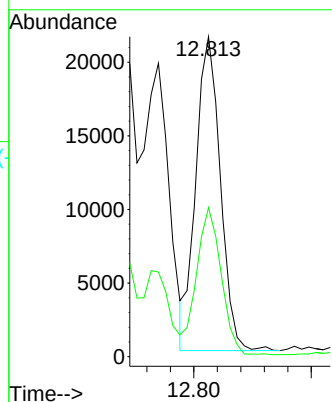
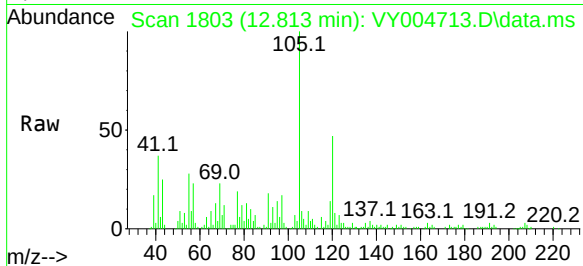




#80
1,3,5-Trimethylbenzene
Concen: 4.96 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

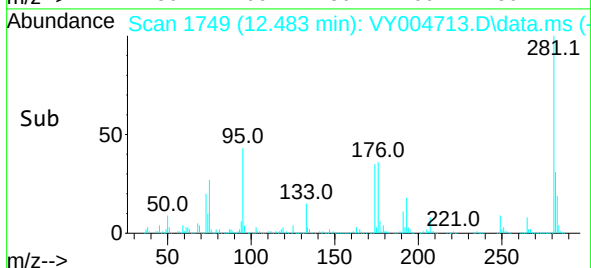
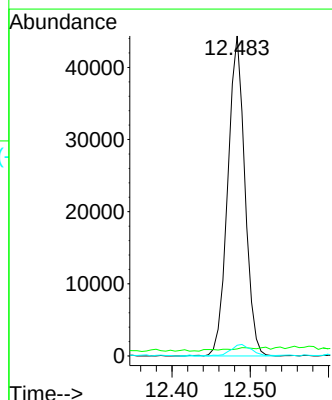
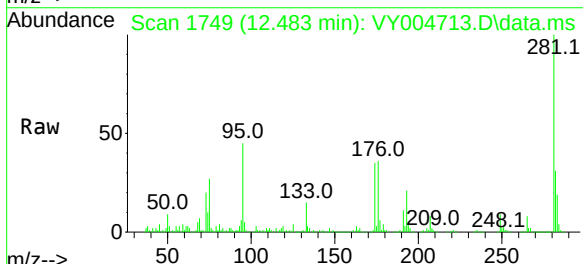
Instrument :
MSVOA_Y
ClientSampleId :

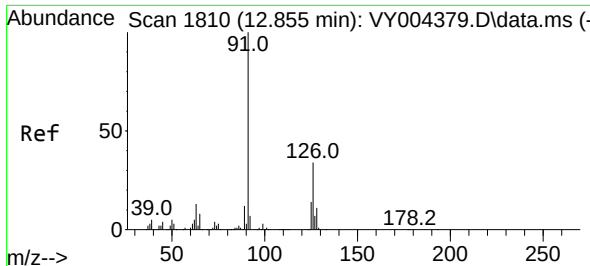
Tgt Ion:105 Resp: 30926
Ion Ratio Lower Upper
105 100
120 47.0 24.6 74.0



#81
trans-1,4-Dichloro-2-butene
Concen: 112.93 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

Tgt Ion: 75 Resp: 67301
Ion Ratio Lower Upper
75 100
53 0.8 75.0 112.6#
89 4.4 36.1 54.1#

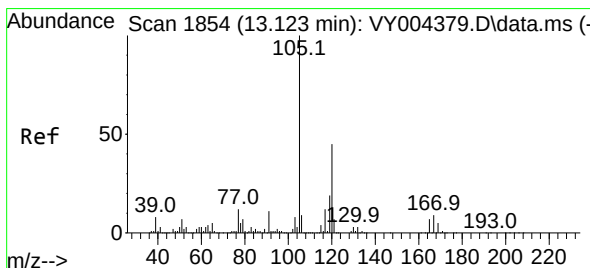
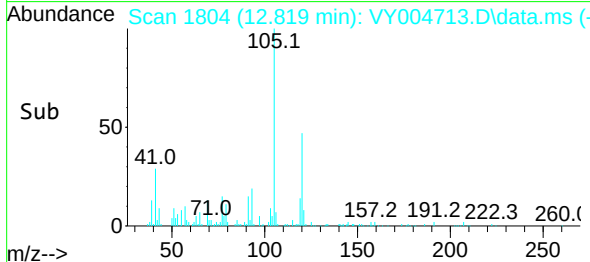
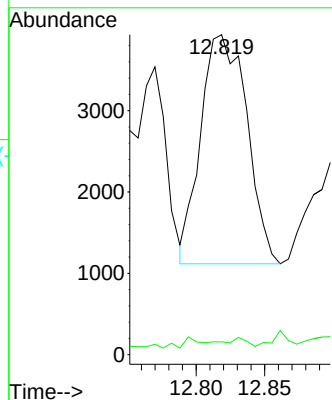
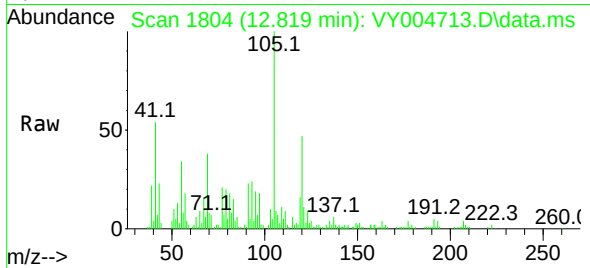




#82
4-Chlorotoluene
Concen: 1.26 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. -0.036 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

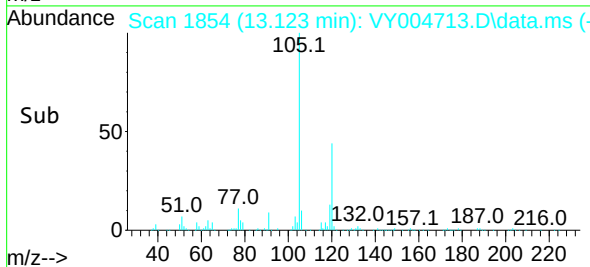
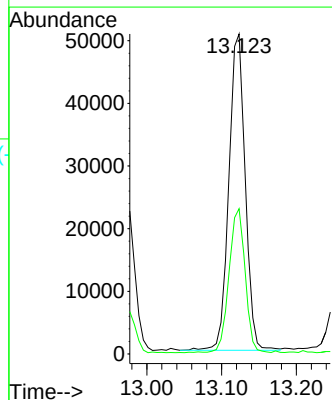
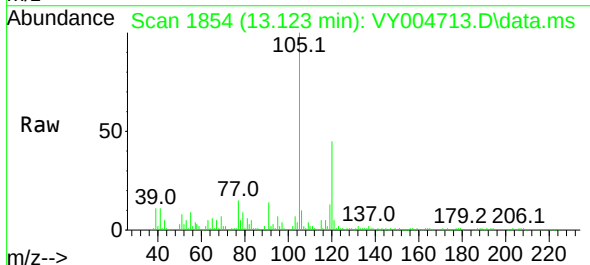
Instrument :
MSVOA_Y
ClientSampled :

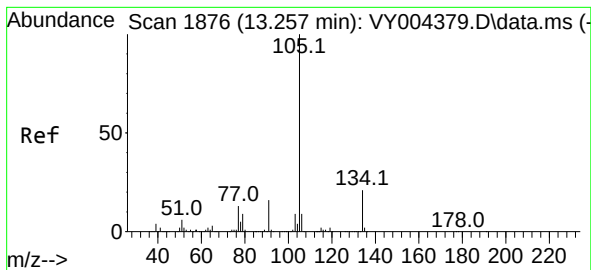
Tgt Ion: 91 Resp: 6585
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.7#



#84
1,2,4-Trimethylbenzene
Concen: 12.19 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004713.D
Acq: 04 May 2021 14:21

Tgt Ion: 105 Resp: 76767
Ion Ratio Lower Upper
105 100
120 45.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 1.58 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VY004713.D

Acq: 04 May 2021 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 11793

Ion Ratio Lower Upper

105 100

134 24.9 10.1 30.3

