

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031921\
 Data File : VY004140.D
 Acq On : 19 Mar 2021 16:21
 Operator : SY/MD
 Sample : M1749-01
 Misc : 6.84g/5mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-15-11-13

Quant Time: Mar 20 03:15:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

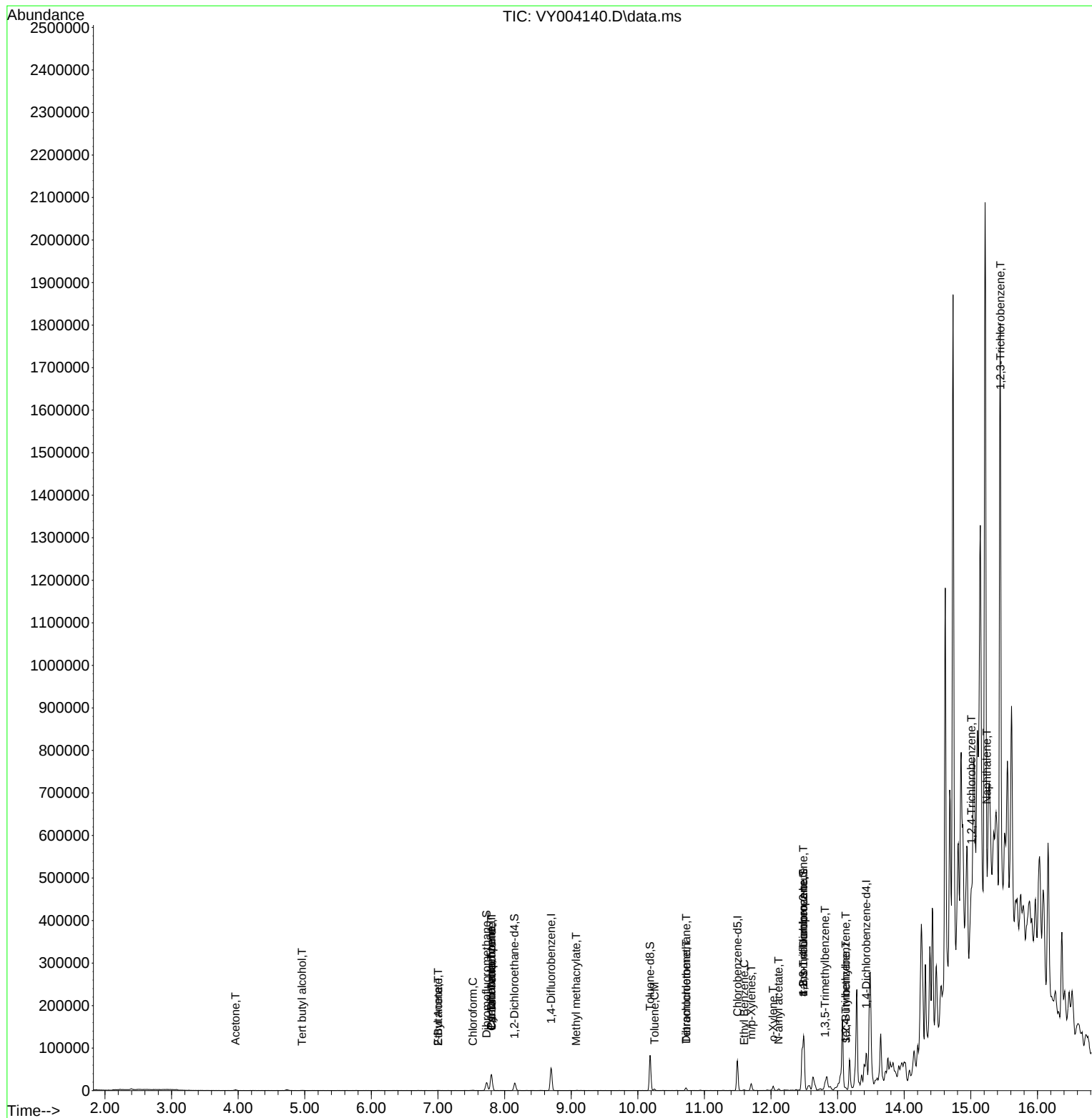
Internal Standards						
1) Pentafluorobenzene	7.801	168	29815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	45939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	37643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15537	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	13380	45.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.94%		
35) Dibromofluoromethane	7.728	113	13294	51.32	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.64%		
50) Toluene-d8	10.185	98	53048	52.23	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.46%		
62) 4-Bromofluorobenzene	12.483	95	16109	42.95	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.90%		
Target Compounds					Qvalue	
3) Chloromethane	2.125	50	142	Below Cal	#	43
11) Tert butyl alcohol	4.960	59	421	15.83	ug/l #	76
16) Acetone	3.960	43	2709	38.14	ug/l #	87
20) Methylene Chloride	4.741	84	1329	Below Cal	#	78
25) 2-Butanone	7.002	43	585	5.71	ug/l #	89
30) Chloroform	7.527	83	819	1.56	ug/l #	81
31) Cyclohexane	7.801	56	647	1.25	ug/l #	5
36) 1,1-Dichloropropene	7.801	75	2159	5.35	ug/l #	51
37) Ethyl Acetate	7.002	43	585	2.69	ug/l #	70
38) Carbon Tetrachloride	7.807	117	2866	6.69	ug/l #	13
48) Methyl methacrylate	9.075	41	246	1.19	ug/l #	15
52) Toluene	10.252	92	1675	2.27	ug/l	90
60) Dibromochloromethane	10.727	129	1210	4.22	ug/l #	10
64) Tetrachloroethene	10.727	164	1300	4.13	ug/l #	77
67) Ethyl Benzene	11.599	91	1416	1.07	ug/l	92
68) m/p-Xylenes	11.703	106	4580	9.07	ug/l	99
69) o-Xylene	12.032	106	2530	5.30	ug/l	94
74) N-amyl acetate	12.111	43	835	2.70	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	8965	60.18	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	1253	1.37	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	8965	118.76	ug/l #	23
84) 1,2,4-Trimethylbenzene	13.123	105	2228	2.43	ug/l	97
85) sec-Butylbenzene	13.123	105	2228	2.05	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.007	180	1131	3.90	ug/l #	1
95) Naphthalene	15.239	128	7857	13.69	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.446	180	5792	23.78	ug/l #	14

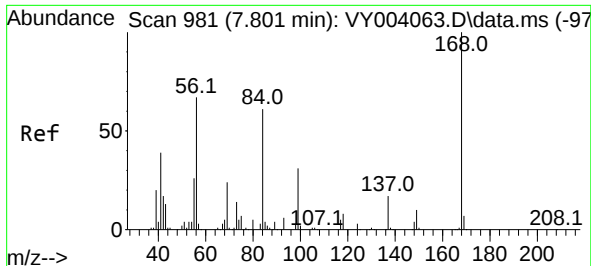
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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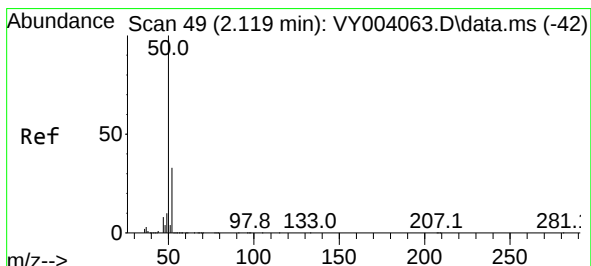
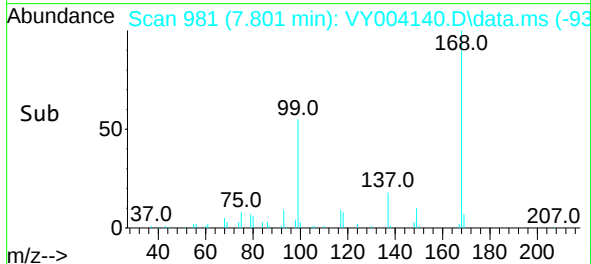
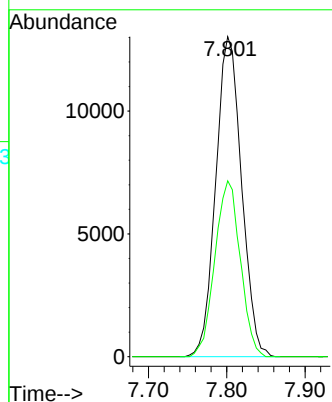
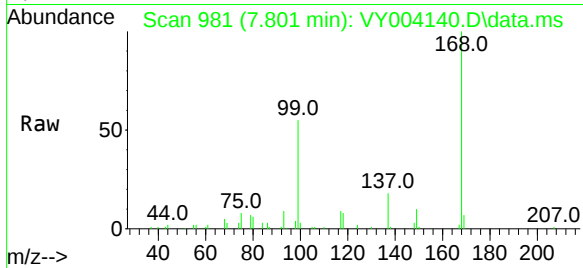




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

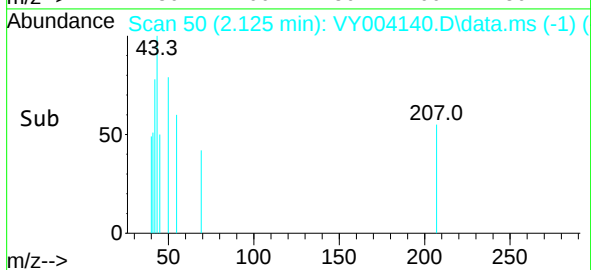
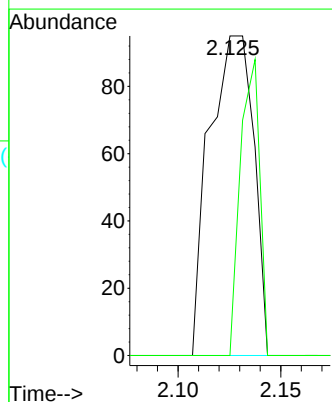
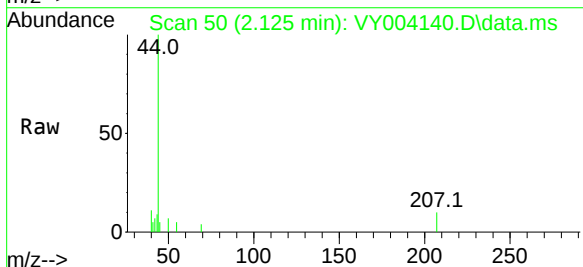
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

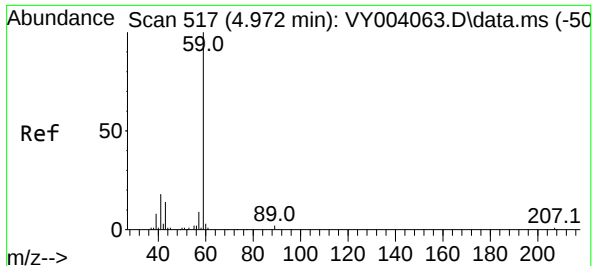
Tgt Ion:168 Resp: 29815
Ion Ratio Lower Upper
168 100
99 55.0 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion: 50 Resp: 142
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



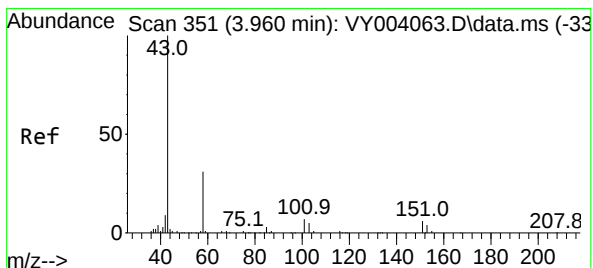
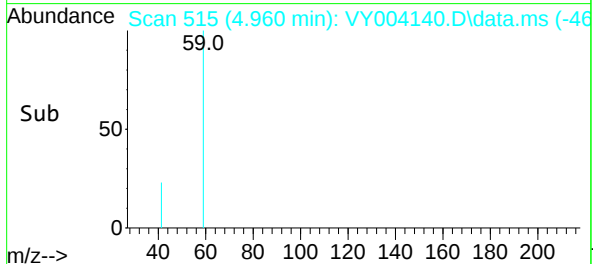
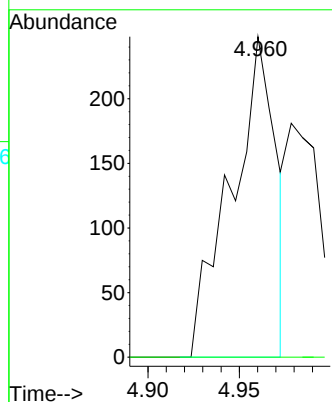
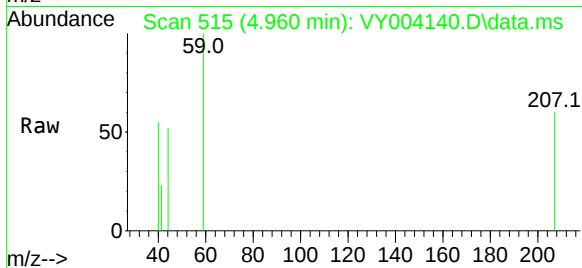


#11

Tert butyl alcohol
Concen: 15.83 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

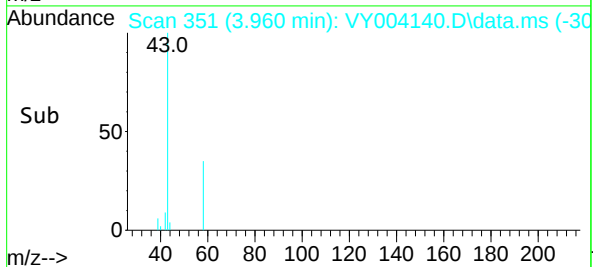
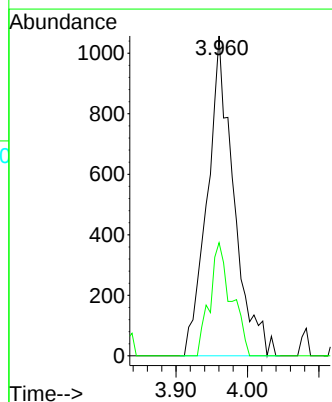
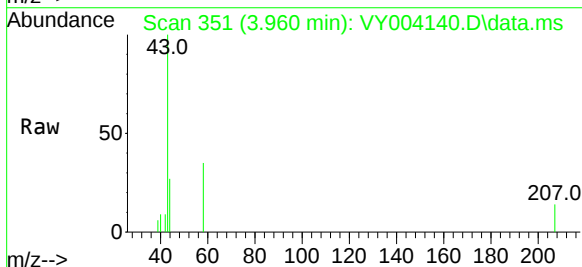
Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

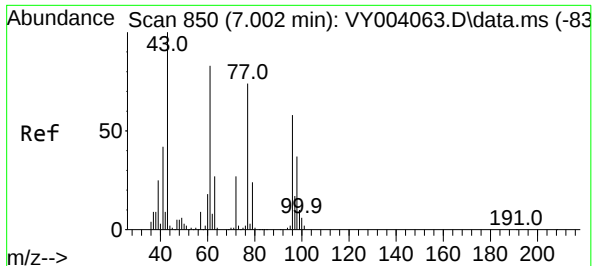


#16

Acetone
Concen: 38.14 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion: 43 Resp: 2709
Ion Ratio Lower Upper
43 100
58 35.4 22.6 34.0#

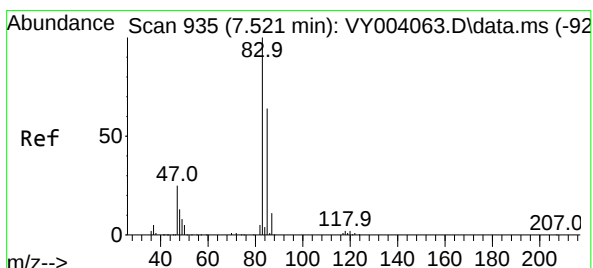
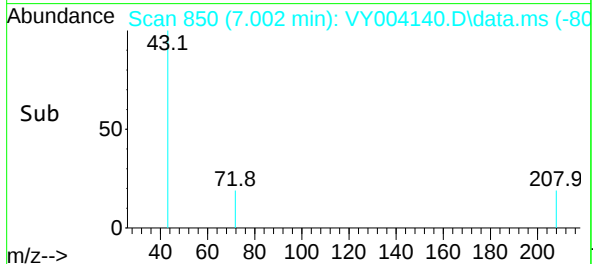
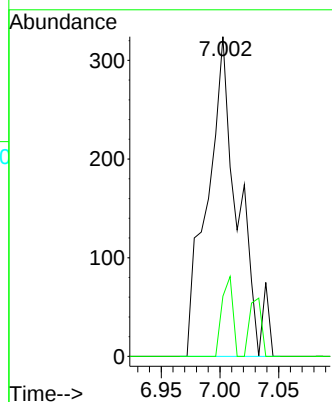
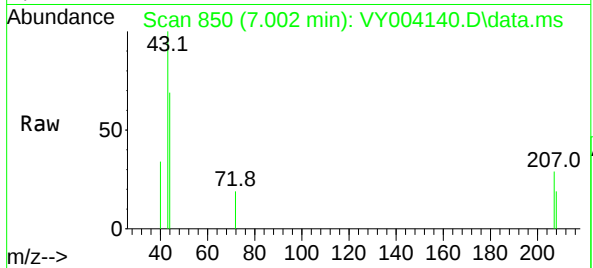




#25
2-Butanone
Concen: 5.71 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

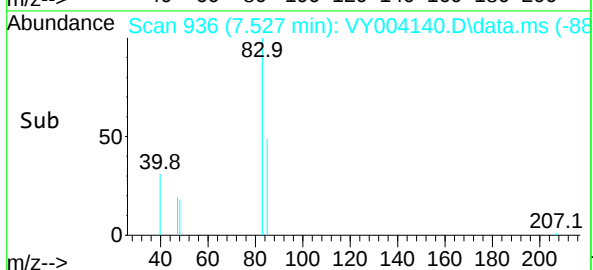
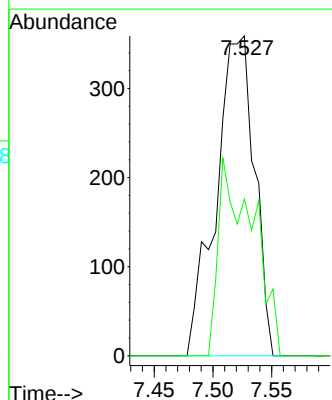
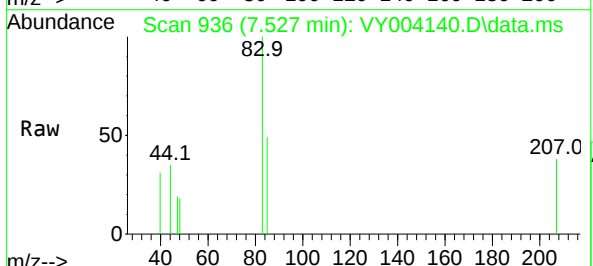
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

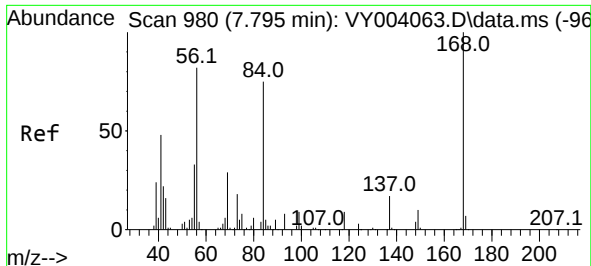
Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
72 18.8 19.4 29.0#



#30
Chloroform
Concen: 1.56 ug/l
RT: 7.527 min Scan# 936
Delta R.T. 0.006 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

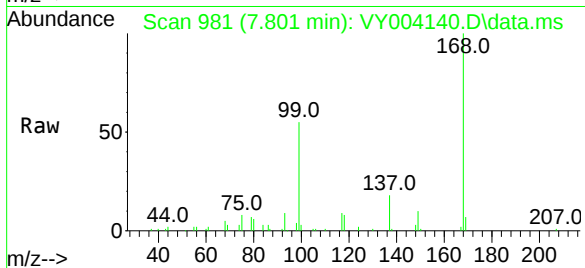
Tgt Ion: 83 Resp: 819
Ion Ratio Lower Upper
83 100
85 49.0 51.0 76.6#



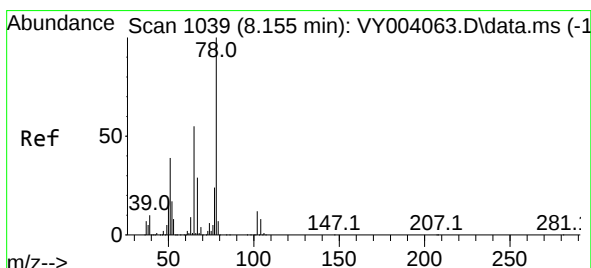
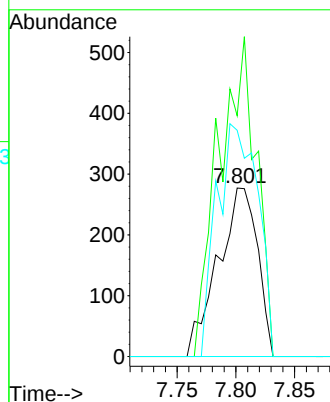
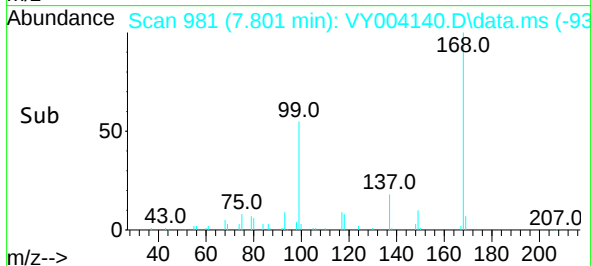


#31
Cyclohexane
Concen: 1.25 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

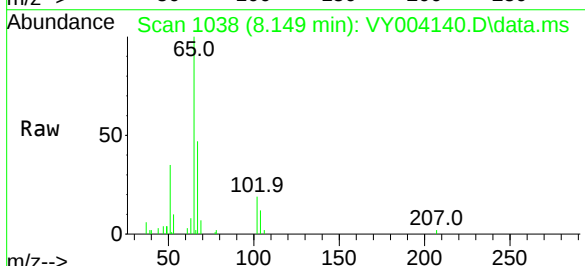
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13



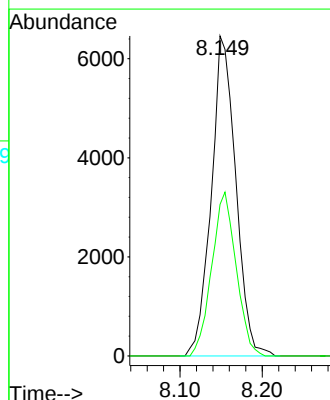
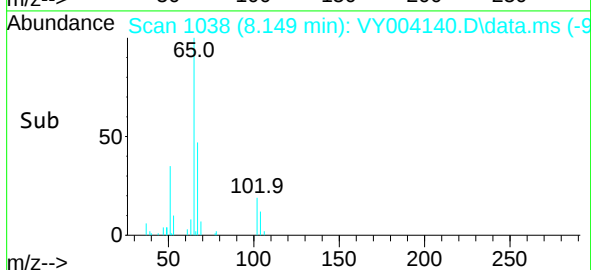
Tgt Ion: 56 Resp: 647
Ion Ratio Lower Upper
56 100
69 143.0 25.3 37.9#
84 134.3 67.3 100.9#

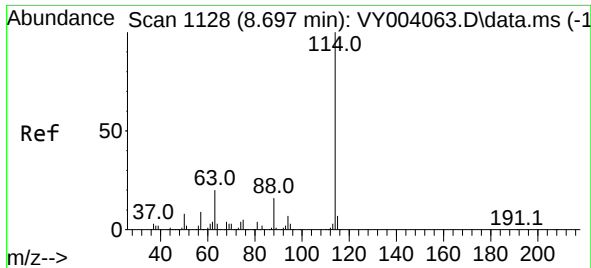


#33
1,2-Dichloroethane-d4
Concen: 45.47 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21



Tgt Ion: 65 Resp: 13380
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.4

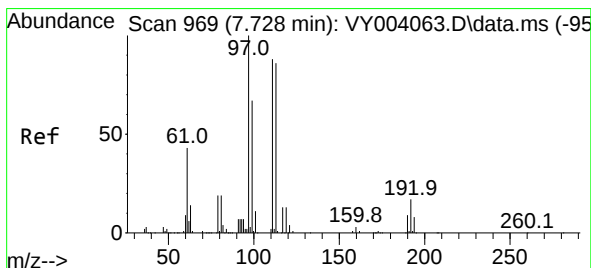
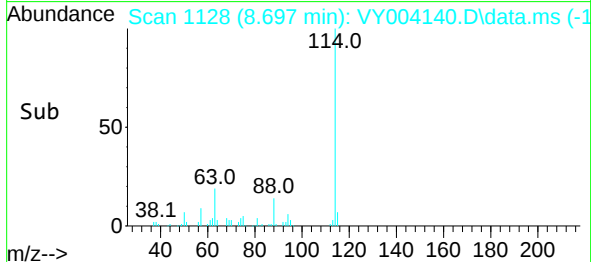
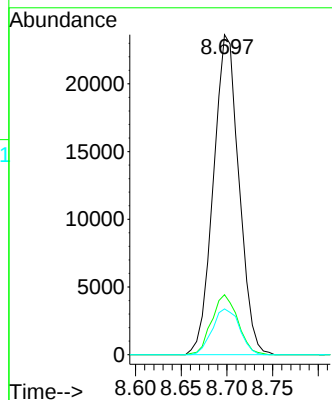
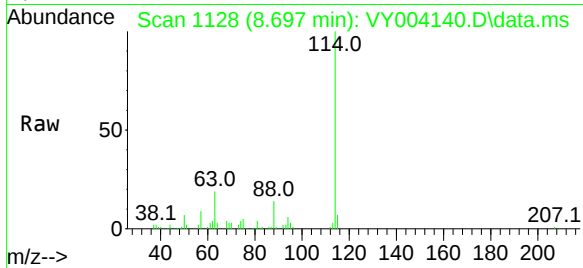




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

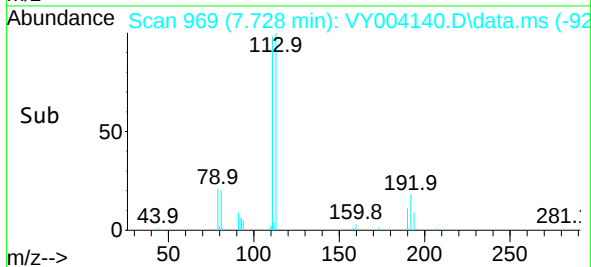
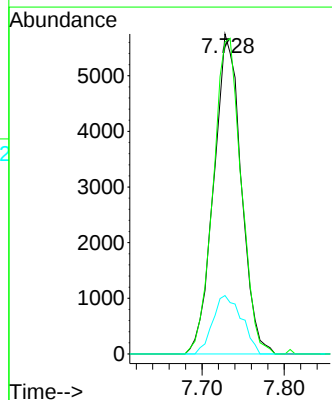
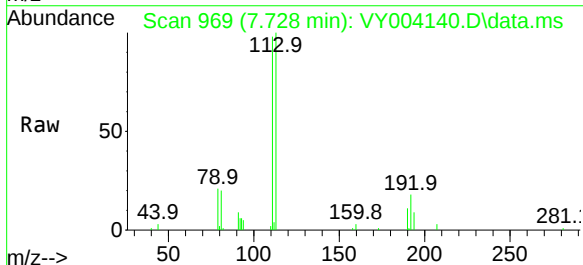
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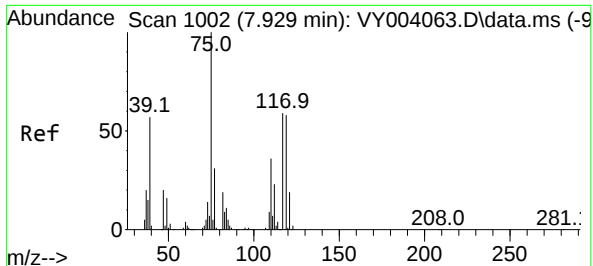
Tgt Ion:	114	Resp:	45939
Ion Ratio	Lower	Upper	
114	100		
63	18.7	0.0	41.6
88	14.3	0.0	31.4



#35
Dibromofluoromethane
Concen: 51.32 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion:	113	Resp:	13294
Ion Ratio	Lower	Upper	
113	100		
111	100.8	83.2	124.8
192	19.3	18.5	27.7

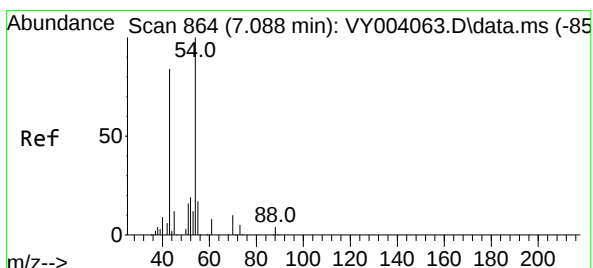
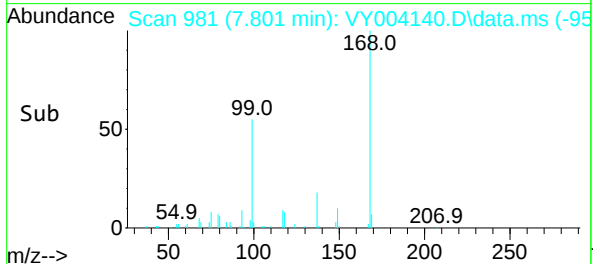
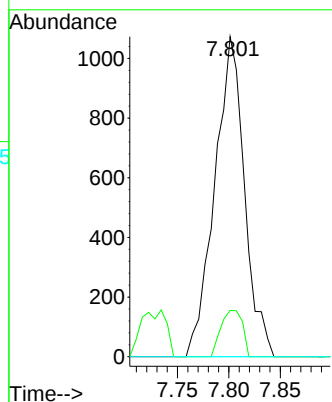
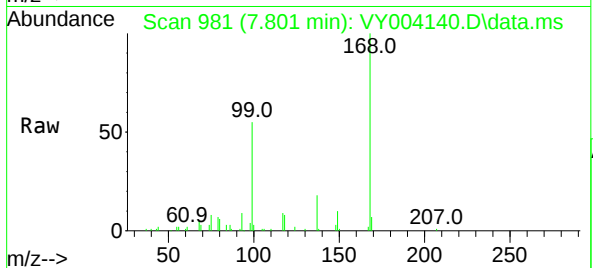




#36
 1,1-Dichloropropene
 Concen: 5.35 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.128 min
 Lab File: VY004140.D
 Acq: 19 Mar 2021 16:21

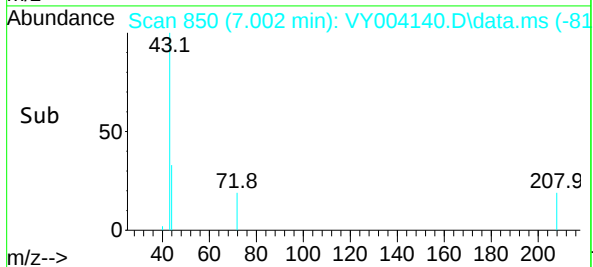
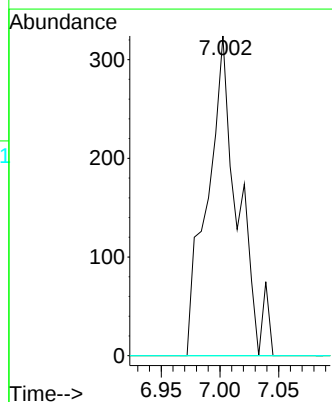
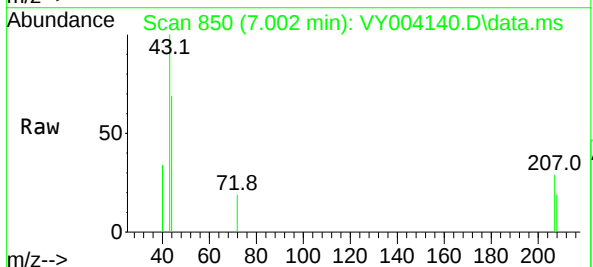
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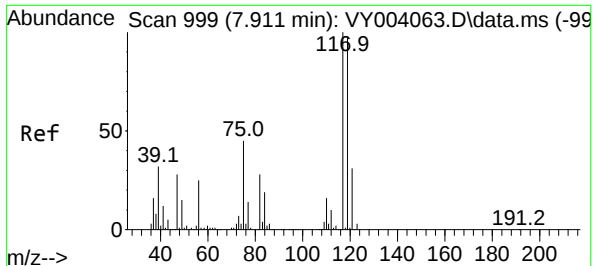
Tgt Ion: 75 Resp: 2159
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.4 52.3#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 2.69 ug/l
 RT: 7.002 min Scan# 850
 Delta R.T. -0.086 min
 Lab File: VY004140.D
 Acq: 19 Mar 2021 16:21

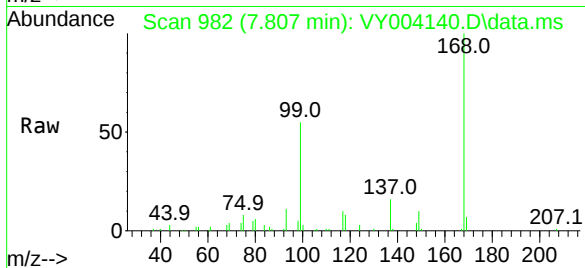
Tgt Ion: 43 Resp: 585
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 7.7 11.5#



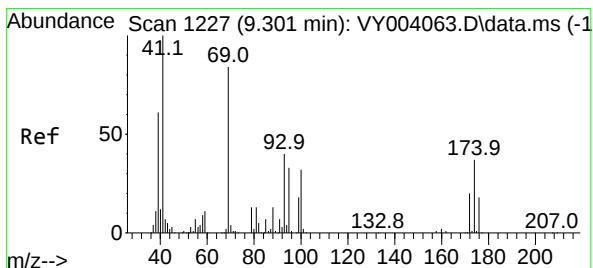
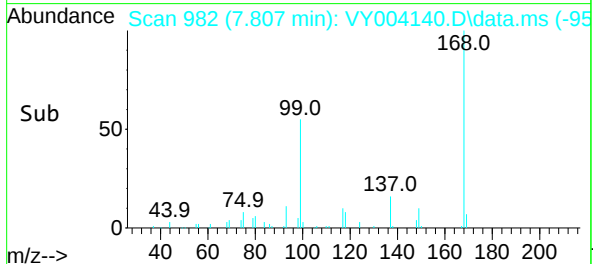
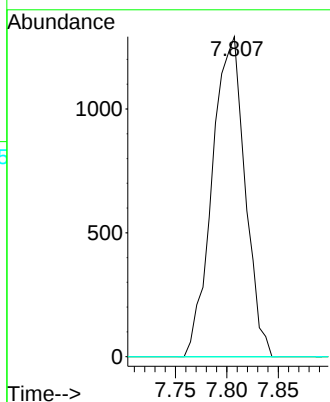


#38
Carbon Tetrachloride
Concen: 6.69 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.104 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

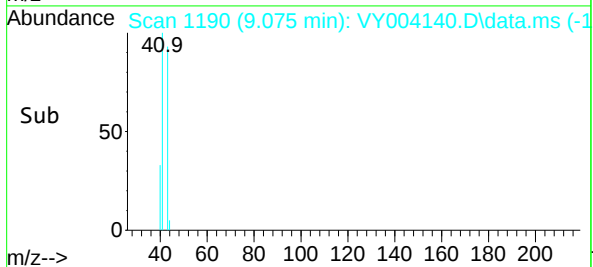
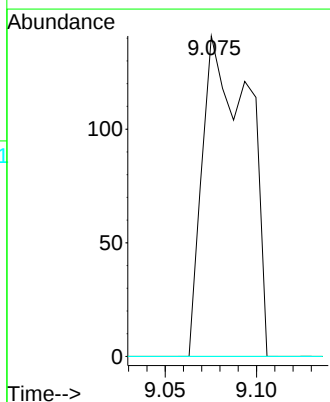
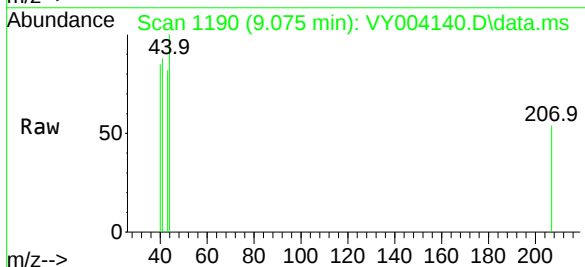


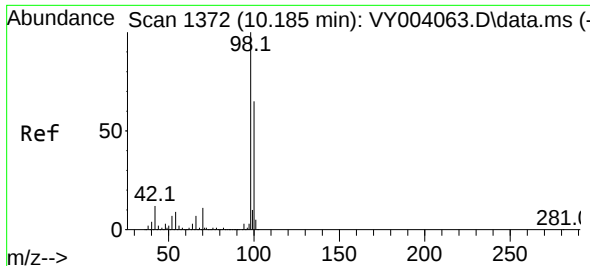
Tgt Ion:117 Resp: 2866
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 24.2 36.2#



#48
Methyl methacrylate
Concen: 1.19 ug/l
RT: 9.075 min Scan# 1190
Delta R.T. -0.226 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion: 41 Resp: 246
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 0.0 44.2 66.2#

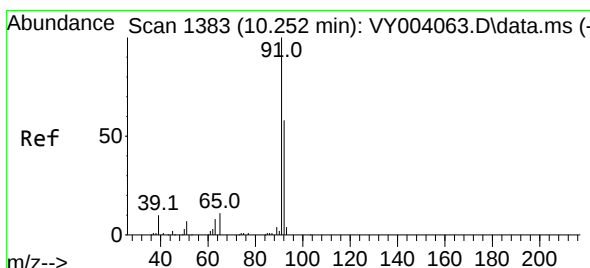
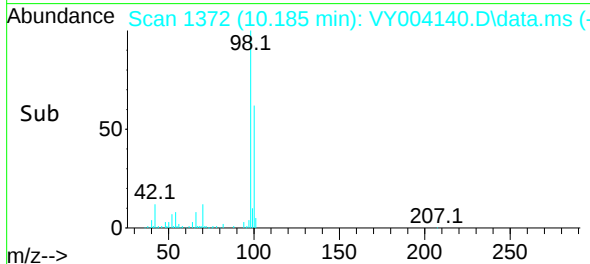
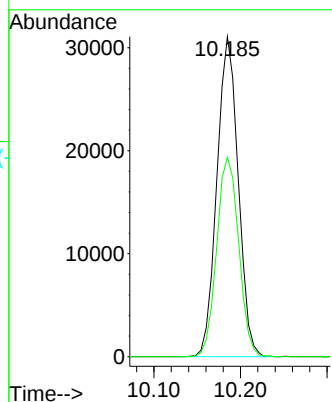
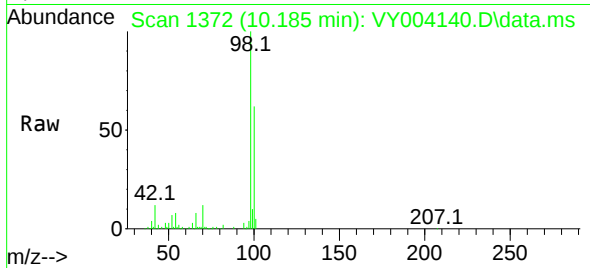




#50
Toluene-d8
Concen: 52.23 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

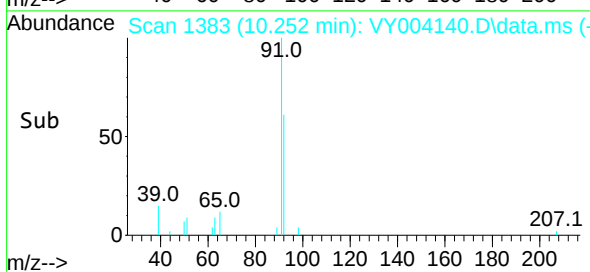
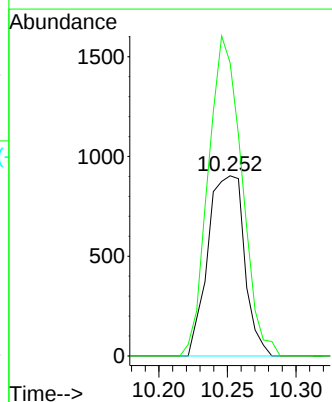
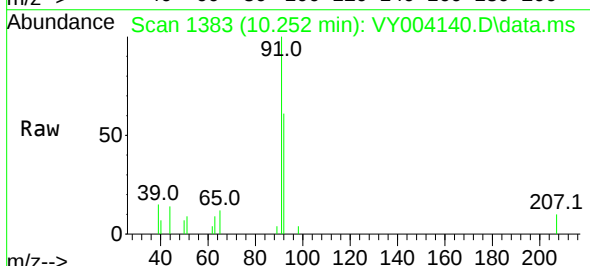
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

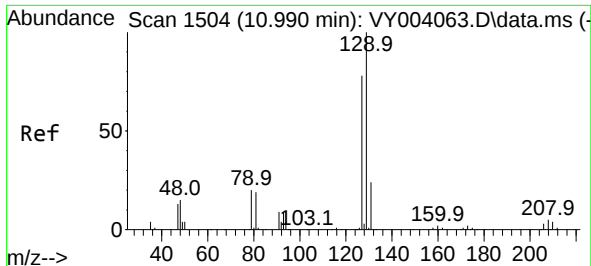
Tgt Ion: 98 Resp: 53048
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#52
Toluene
Concen: 2.27 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion: 92 Resp: 1675
Ion Ratio Lower Upper
92 100
91 162.8 141.0 211.4

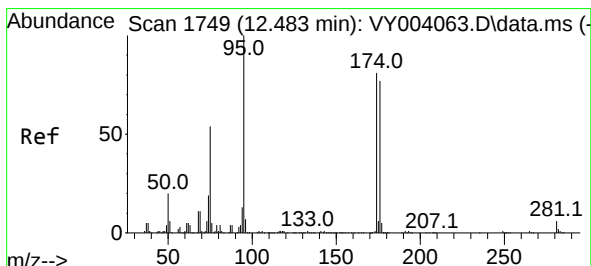
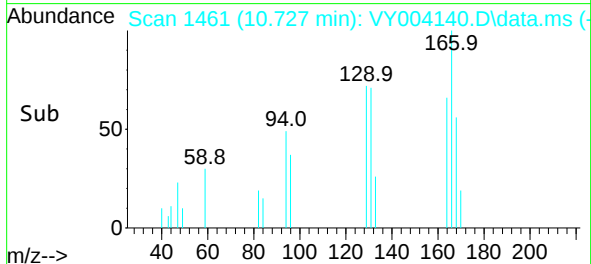
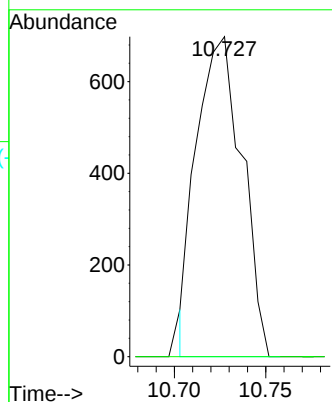
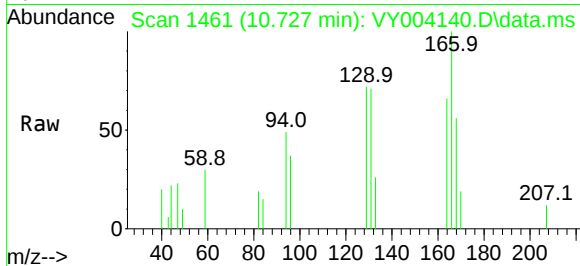




#60
Dibromochloromethane
Concen: 4.22 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. -0.263 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

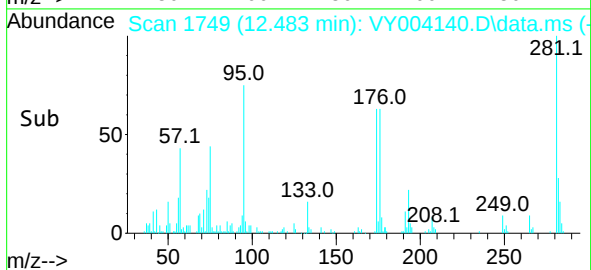
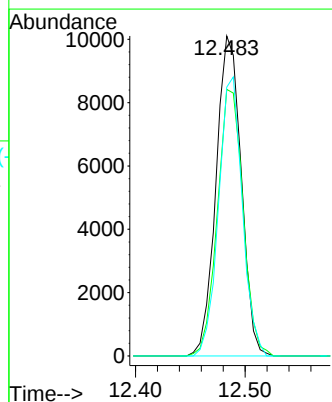
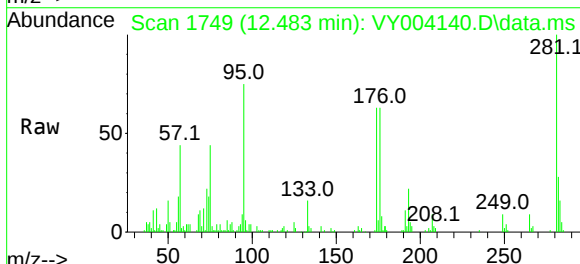
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

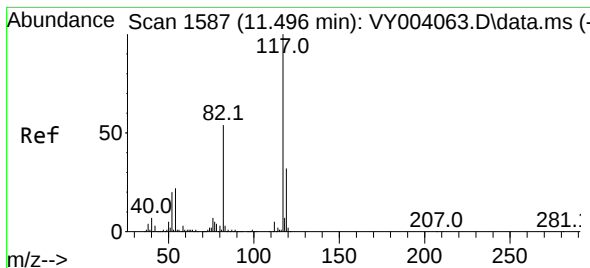
Tgt Ion:129 Resp: 1210
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 42.95 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion: 95 Resp: 16109
Ion Ratio Lower Upper
95 100
174 84.8 0.0 179.0
176 82.2 0.0 174.4

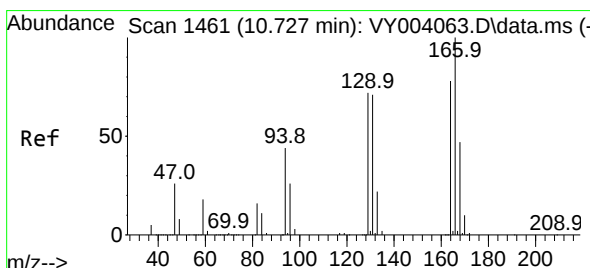
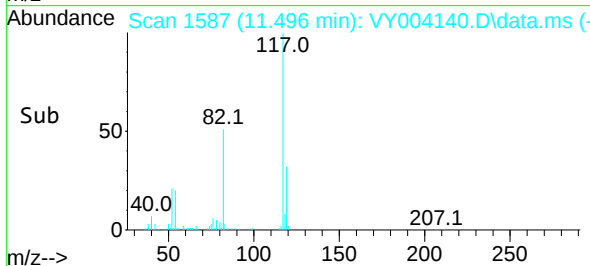
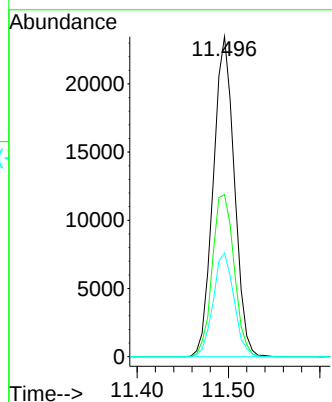
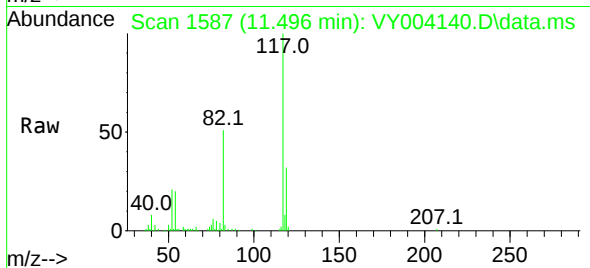




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

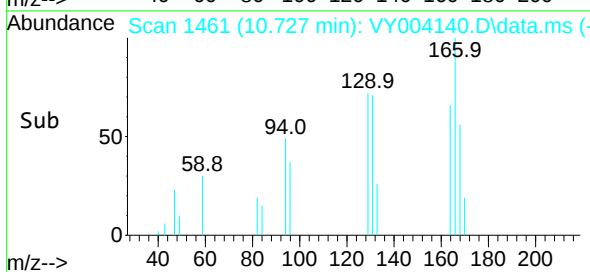
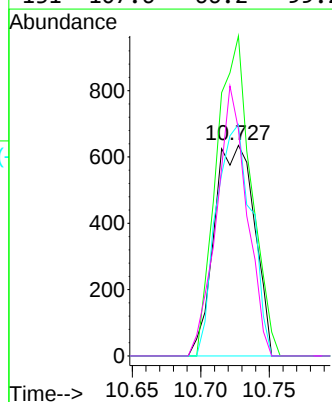
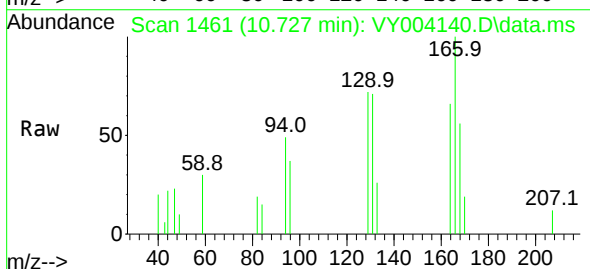
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

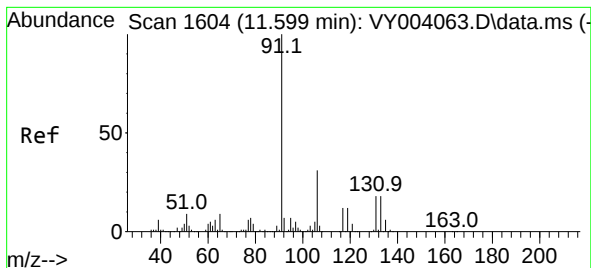
Tgt Ion:	117	Resp:	37643
Ion	Ratio	Lower	Upper
117	100		
82	50.7	43.8	65.6
119	32.4	26.2	39.2



#64
Tetrachloroethene
Concen: 4.13 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion:	164	Resp:	1300
Ion	Ratio	Lower	Upper
164	100		
166	152.0	102.7	154.1
129	109.9	70.6	105.8#
131	107.6	66.2	99.2#

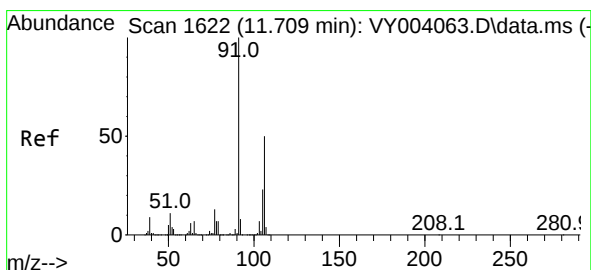
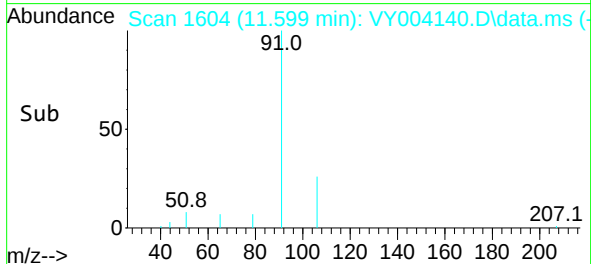
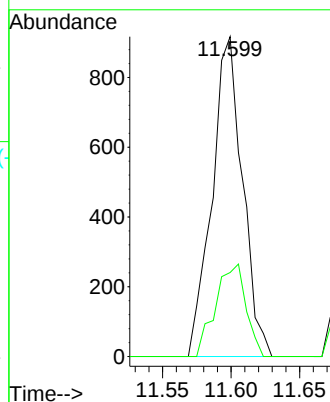
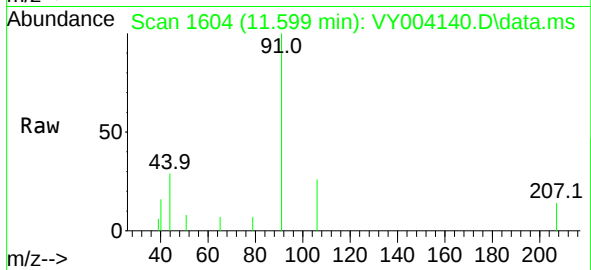




#67
Ethyl Benzene
Concen: 1.07 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

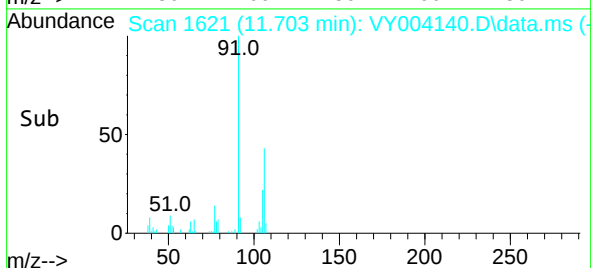
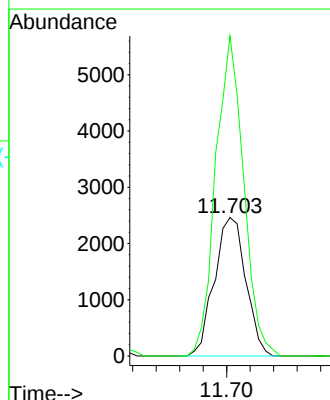
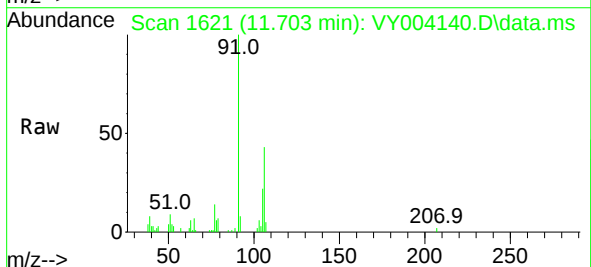
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

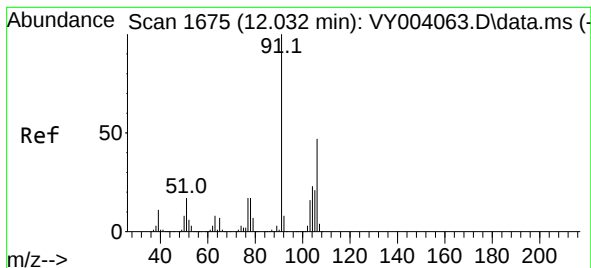
Tgt Ion: 91 Resp: 1416
Ion Ratio Lower Upper
91 100
106 26.3 24.5 36.7



#68
m/p-Xylenes
Concen: 9.07 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion: 106 Resp: 4580
Ion Ratio Lower Upper
106 100
91 205.4 165.4 248.0

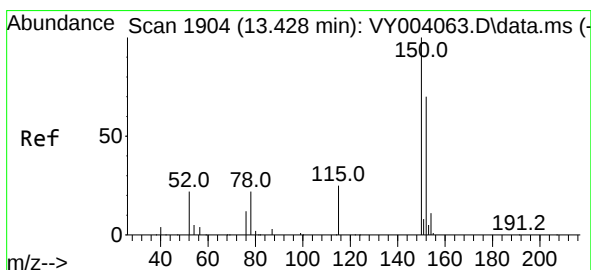
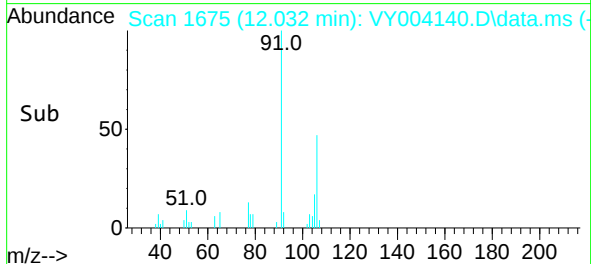
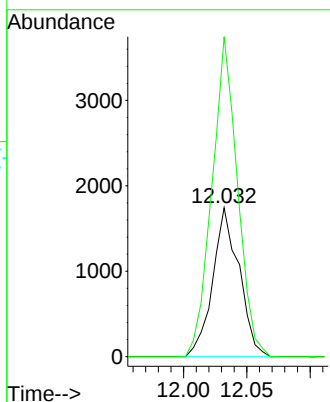
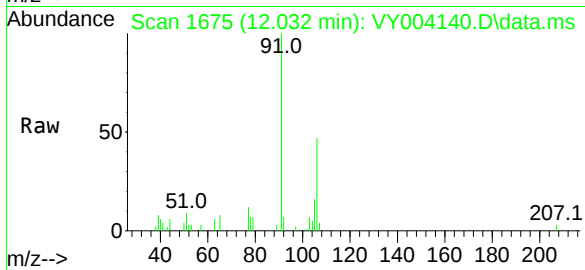




#69
o-Xylene
Concen: 5.30 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

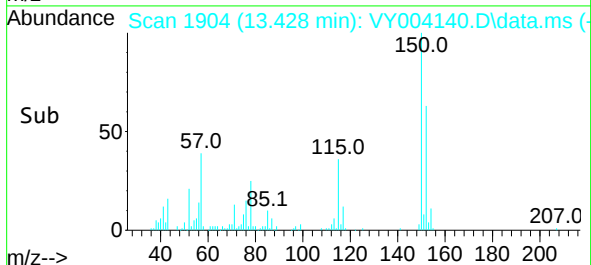
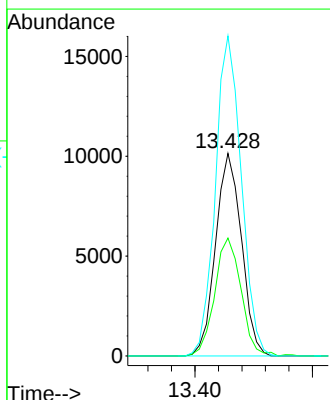
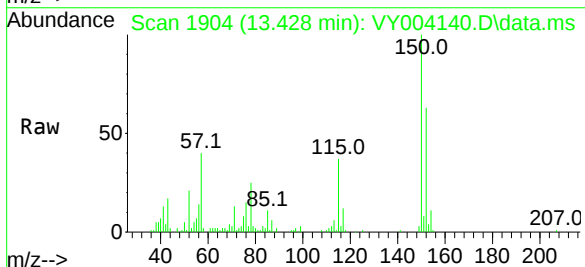
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

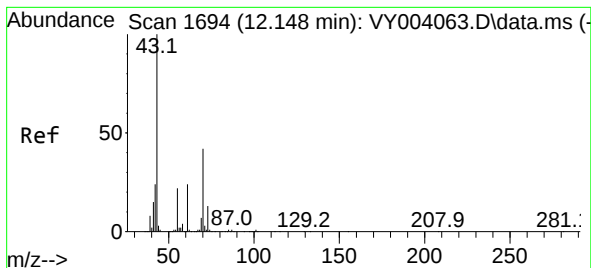
Tgt Ion:106 Resp: 2530
Ion Ratio Lower Upper
106 100
91 208.0 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion:152 Resp: 15537
Ion Ratio Lower Upper
152 100
115 59.5 28.2 84.6
150 158.5 0.0 347.2

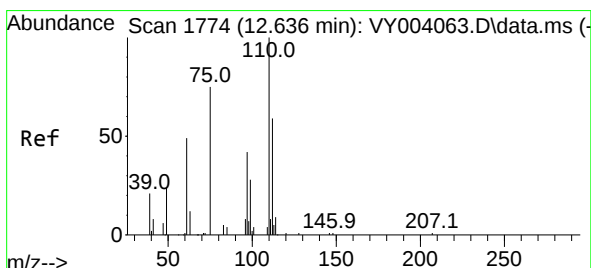
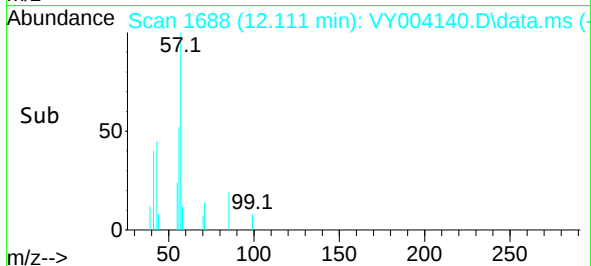
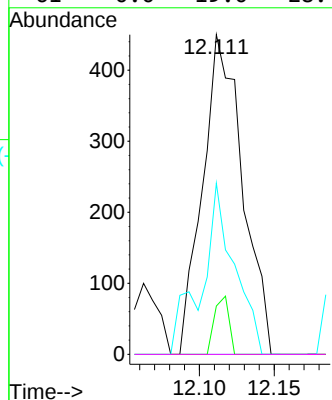
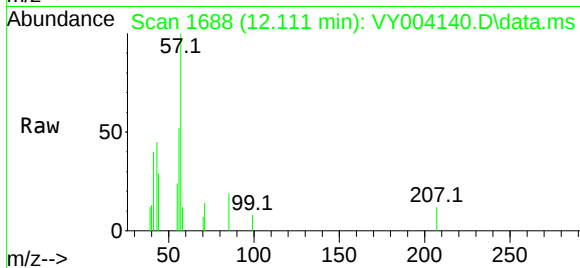




#74
N-amy1 acetate
Concen: 2.70 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

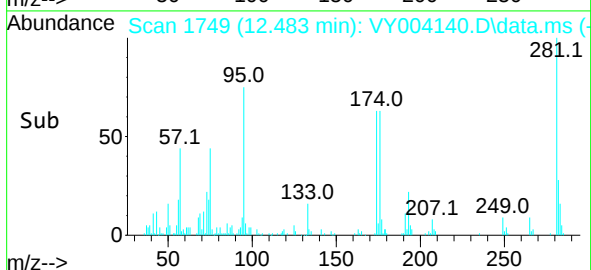
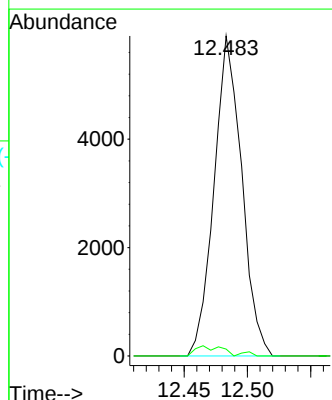
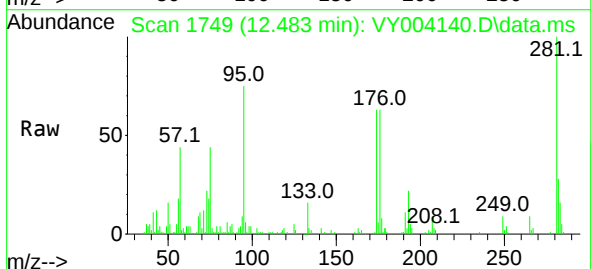
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

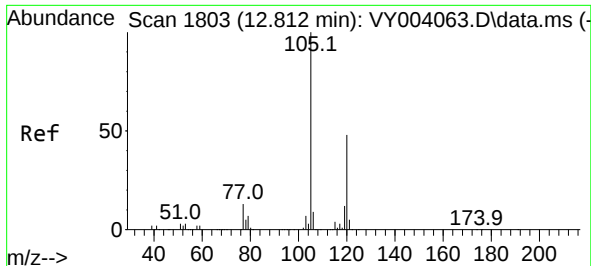
Tgt Ion: 43	Resp: 835
Ion Ratio	Lower Upper
43 100	
70 6.6	32.3 48.5#
55 44.1	18.4 27.6#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 60.18 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion: 75	Resp: 8965
Ion Ratio	Lower Upper
75 100	
77 3.5	0.0 0.0#

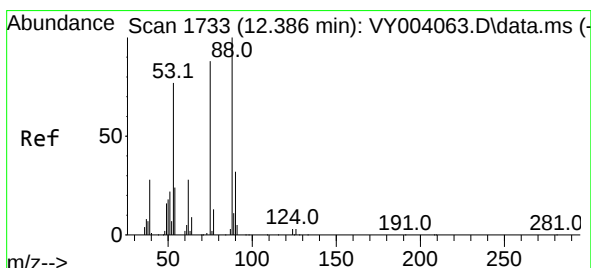
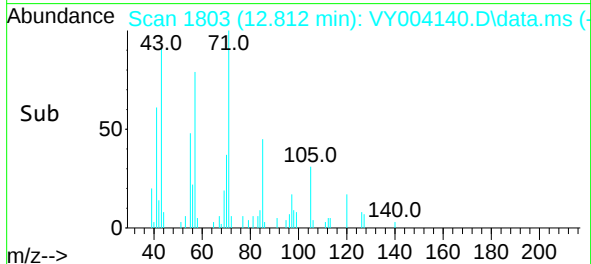
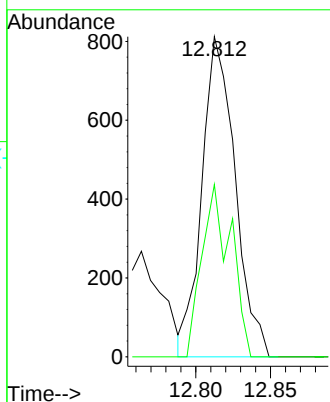
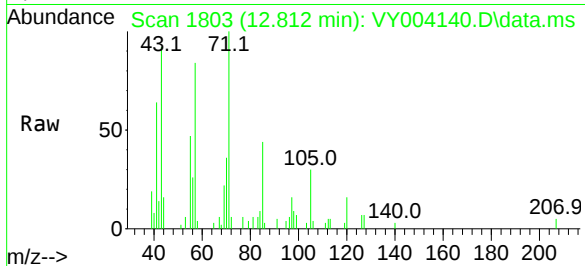




#80
1,3,5-Trimethylbenzene
Concen: 1.37 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

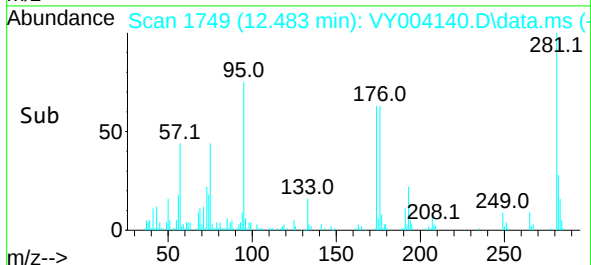
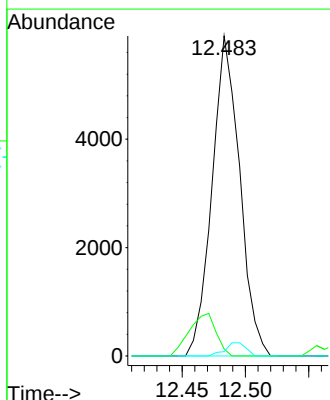
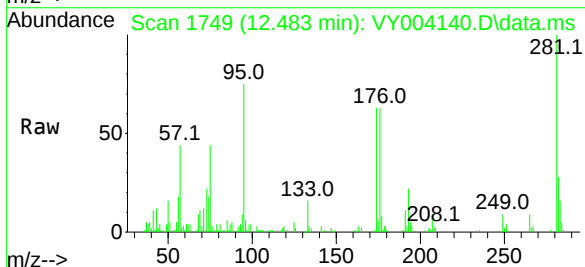
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-15-11-13

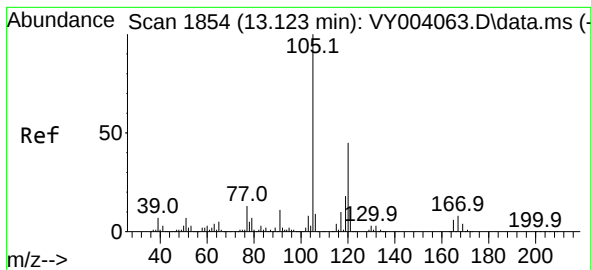
Tgt Ion:105 Resp: 1253
Ion Ratio Lower Upper
105 100
120 47.4 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 118.76 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion: 75 Resp: 8965
Ion Ratio Lower Upper
75 100
53 12.9 73.5 110.3#
89 3.1 35.7 53.5#





#84

1,2,4-Trimethylbenzene

Concen: 2.43 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY004140.D

Acq: 19 Mar 2021 16:21

Tgt Ion:105 Resp: 2228

Ion Ratio Lower Upper

105 100

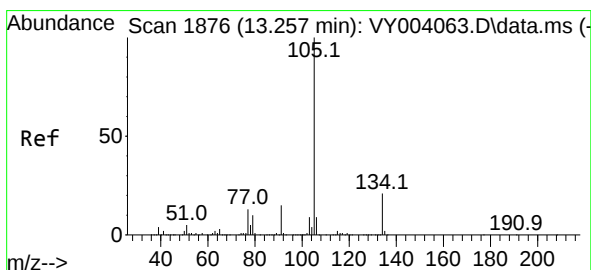
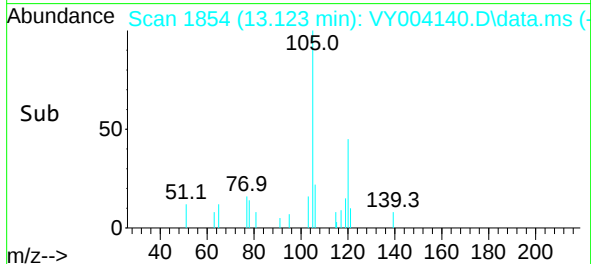
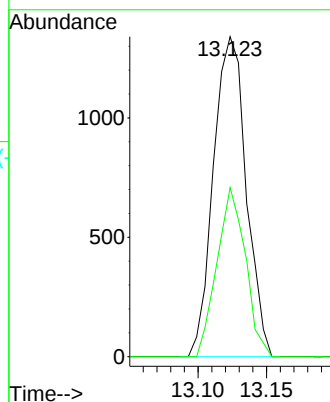
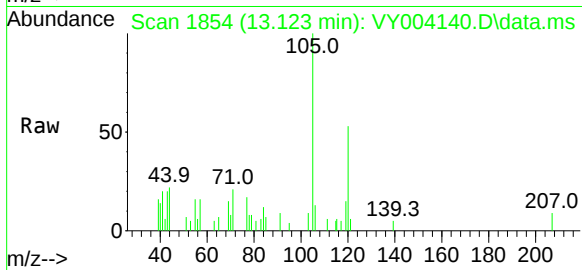
120 45.9 22.1 66.3

Instrument :

MSVOA_Y

ClientSampleId :

FS-SB-15-11-13



#85

sec-Butylbenzene

Concen: 2.05 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.134 min

Lab File: VY004140.D

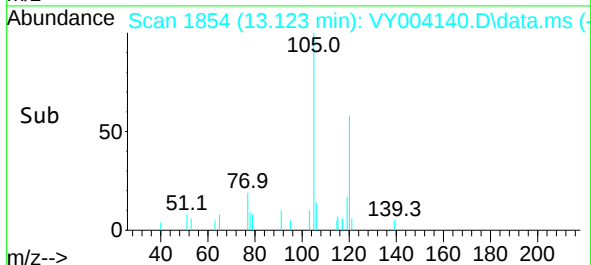
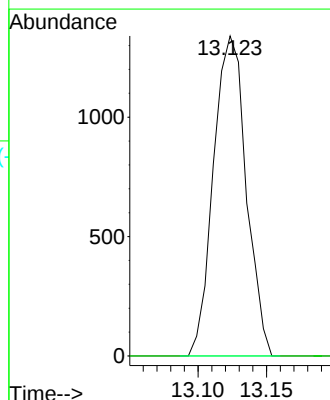
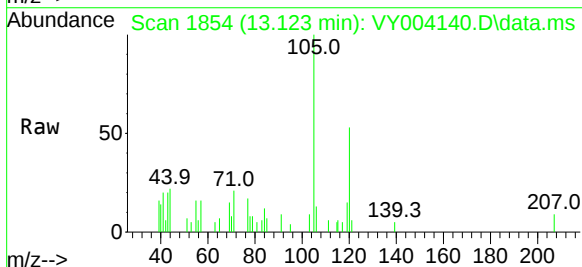
Acq: 19 Mar 2021 16:21

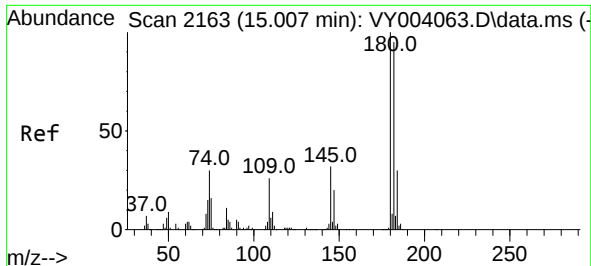
Tgt Ion:105 Resp: 2228

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#

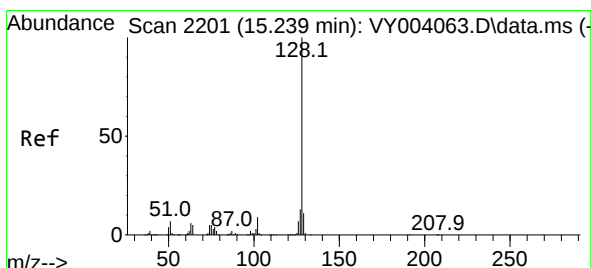
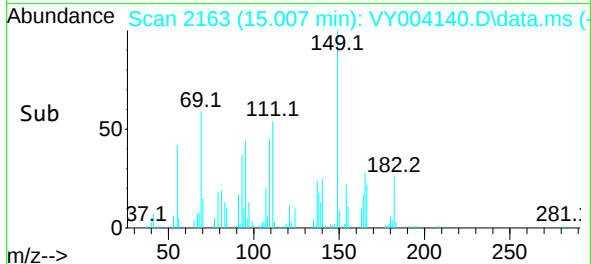
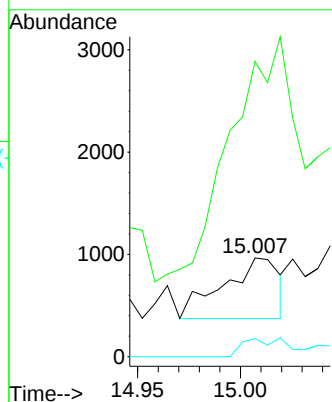
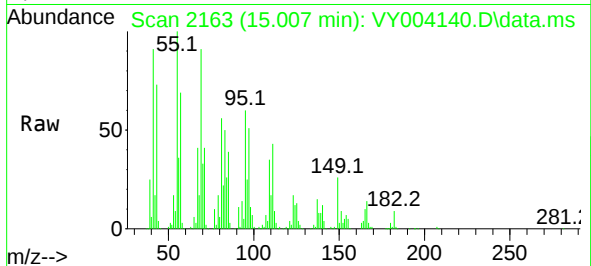




#93
1,2,4-Trichlorobenzene
Concen: 3.90 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

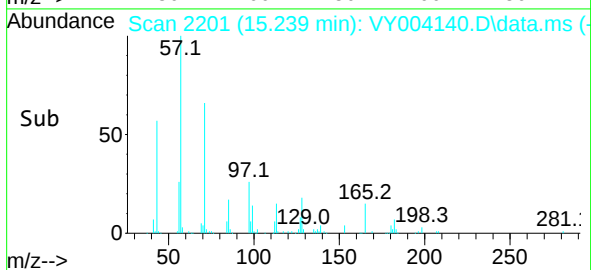
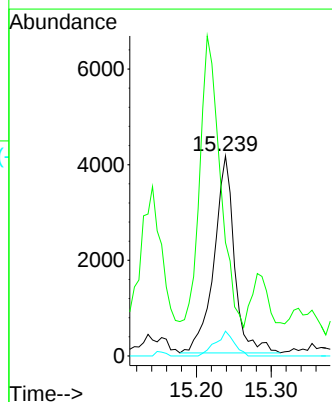
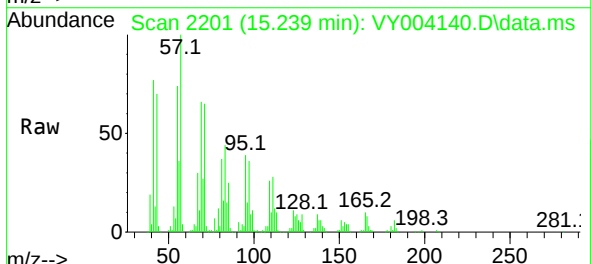
Instrument :
MSVOA_Y
ClientSampled :
FS-SB-15-11-13

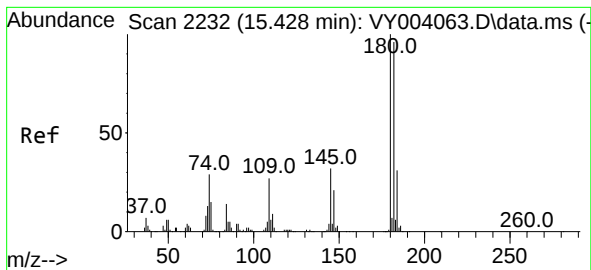
Tgt Ion:180 Resp: 1131
Ion Ratio Lower Upper
180 100
182 434.4 48.0 144.0#
145 24.6 14.1 42.2



#95
Naphthalene
Concen: 13.69 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004140.D
Acq: 19 Mar 2021 16:21

Tgt Ion:128 Resp: 7857
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 11.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 23.78 ug/l
 RT: 15.446 min Scan# 2235
 Delta R.T. 0.018 min
 Lab File: VY004140.D
 Acq: 19 Mar 2021 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-15-11-13

Tgt Ion:180 Resp: 5792
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.8#
 145 3.5 15.3 45.9#

