

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004261.D
 Acq On : 02 Apr 2021 14:39
 Operator : SY/MD
 Sample : M1911-01
 Misc : 4.92g/5mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6S-(0-4)

Quant Time: Apr 02 23:00:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

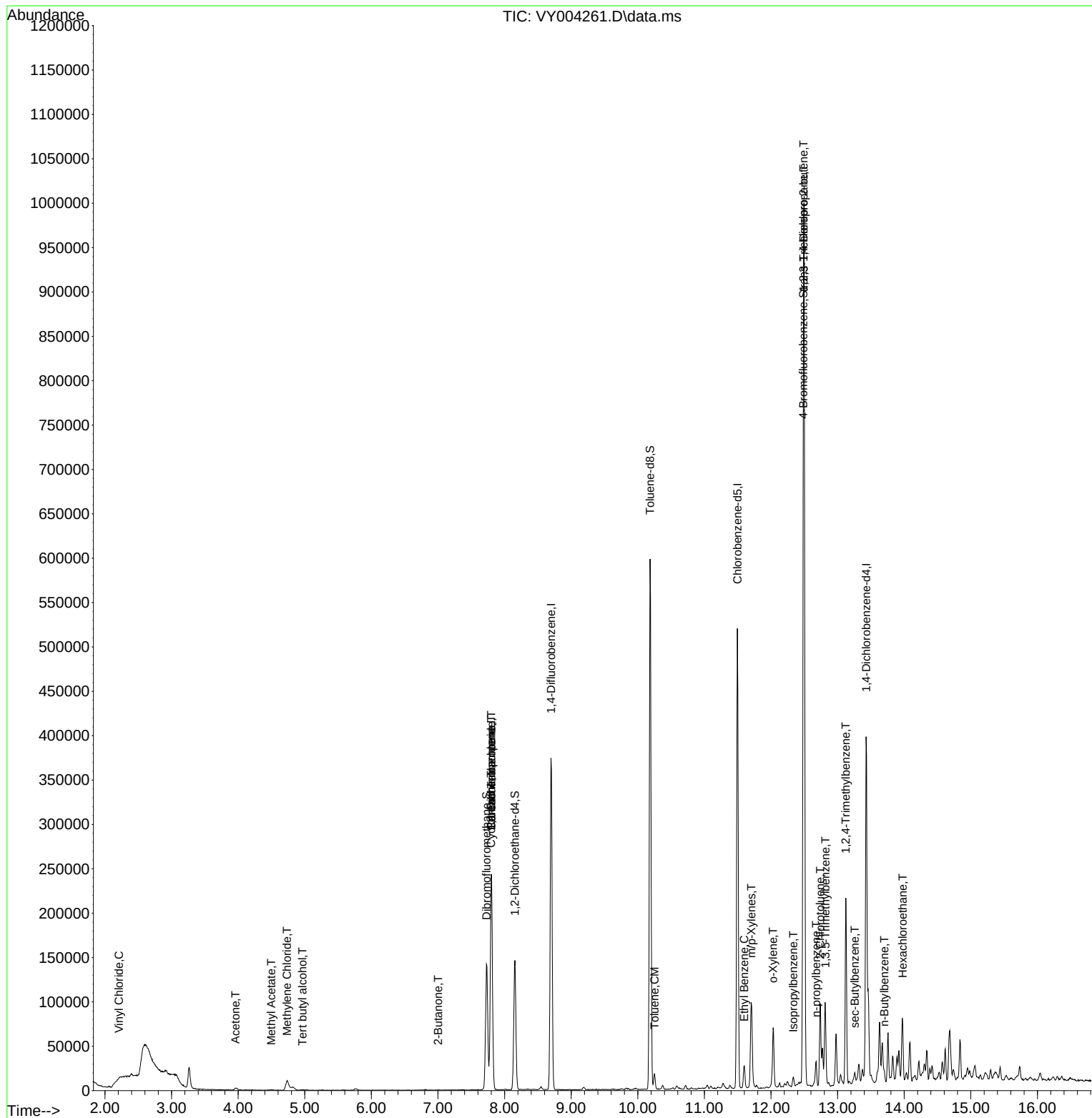
Internal Standards						
1) Pentafluorobenzene	7.801	168	186537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	316189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	268290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96945	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	112110	62.52	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.04%			
35) Dibromofluoromethane	7.728	113	97348	55.26	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.52%			
50) Toluene-d8	10.185	98	379873	57.33	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.66%			
62) 4-Bromofluorobenzene	12.483	95	110443	48.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.26%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.211	62	5635	2.32	ug/l #	42
11) Tert butyl alcohol	4.966	59	246	1.69	ug/l #	92
13) Acrolein	3.747	56	127	Below Cal	#	69
16) Acetone	3.960	43	4545	12.17	ug/l	97
18) Methyl Acetate	4.497	43	1263	1.06	ug/l #	69
20) Methylene Chloride	4.735	84	7719	1.79	ug/l	98
25) 2-Butanone	7.003	43	637	1.02	ug/l #	85
31) Cyclohexane	7.795	56	4730	1.49	ug/l #	29
36) 1,1-Dichloropropene	7.801	75	14676	5.08	ug/l #	49
38) Carbon Tetrachloride	7.801	117	18482	7.36	ug/l #	17
49) 1,4-Dioxane	9.307	88	113	Below Cal	#	21
52) Toluene	10.252	92	6754	1.28	ug/l	100
67) Ethyl Benzene	11.599	91	17344	1.79	ug/l	96
68) m/p-Xylenes	11.703	106	26467	7.09	ug/l	99
69) o-Xylene	12.032	106	17098	4.90	ug/l	98
73) Isopropylbenzene	12.337	105	7256	1.02	ug/l	99
76) 1,2,3-Trichloropropane	12.489	75	65900	74.86	ug/l #	100
78) n-propylbenzene	12.678	91	20875	2.55	ug/l	99
79) 2-Chlorotoluene	12.739	91	7185	1.60	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.819	105	31045	5.37	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.489	75	65900	137.97	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	107071	18.48	ug/l	99
85) sec-Butylbenzene	13.258	105	7131	1.04	ug/l	85
89) n-Butylbenzene	13.703	91	6745	1.15	ug/l #	79
90) Hexachloroethane	13.977	117	1784	9.97	ug/l #	12

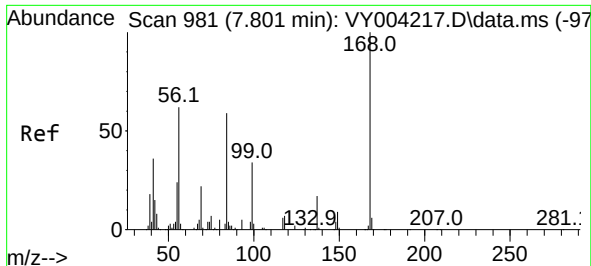
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
Data File : VY004261.D
Acq On : 02 Apr 2021 14:39
Operator : SY/MD
Sample : M1911-01
Misc : 4.92g/5mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

Quant Time: Apr 02 23:00:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 30 06:38:14 2021
Response via : Initial Calibration

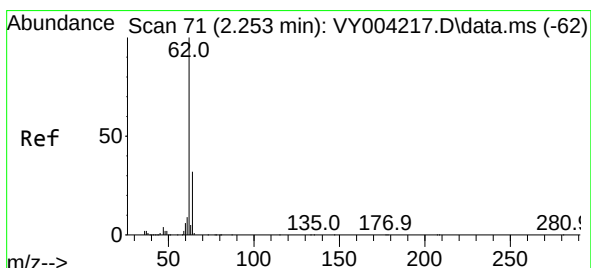
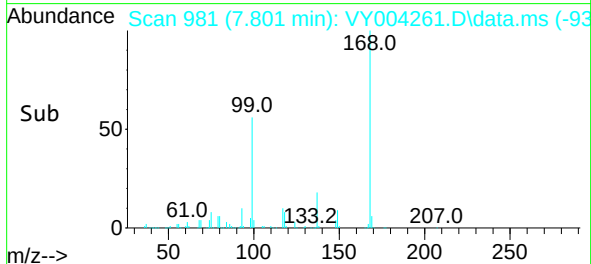
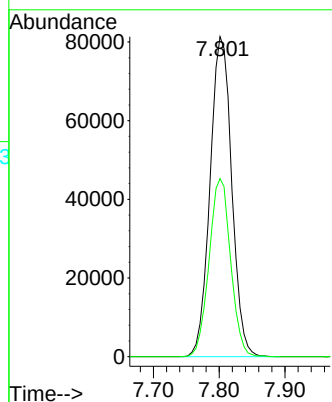
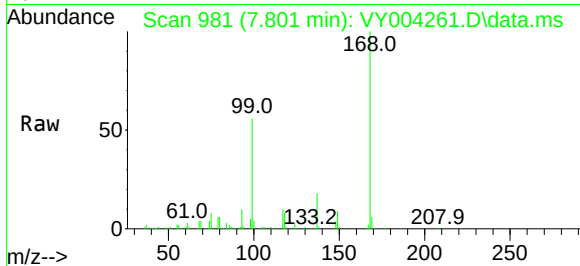




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

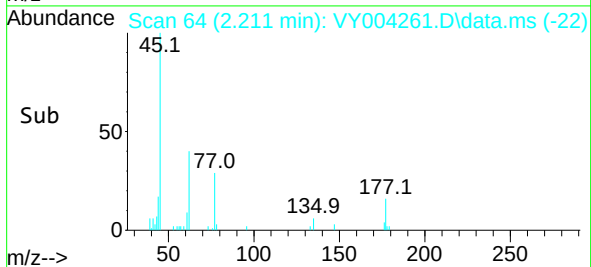
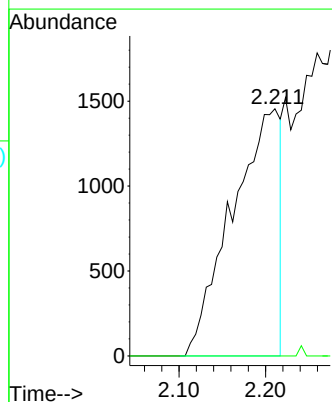
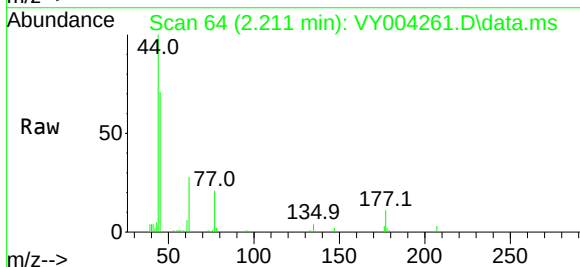
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

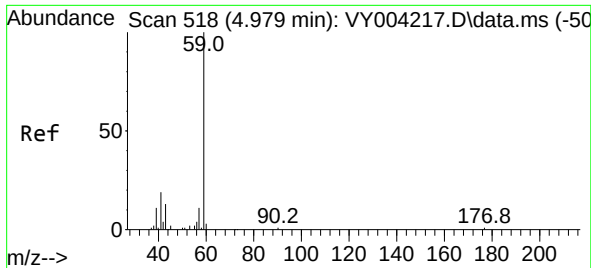
Tgt Ion:168 Resp: 186537
Ion Ratio Lower Upper
168 100
99 55.6 42.6 64.0



#4
Vinyl Chloride
Concen: 2.32 ug/l
RT: 2.211 min Scan# 64
Delta R.T. -0.043 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion: 62 Resp: 5635
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

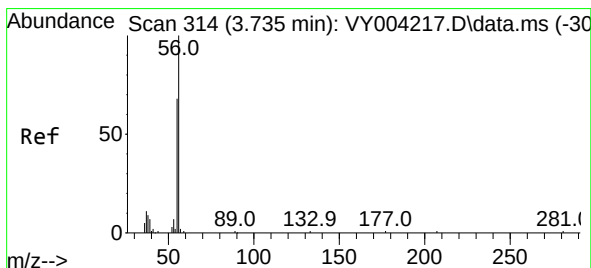
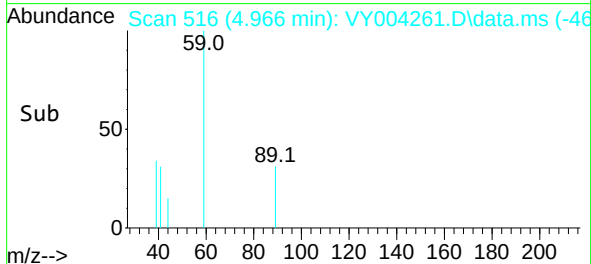
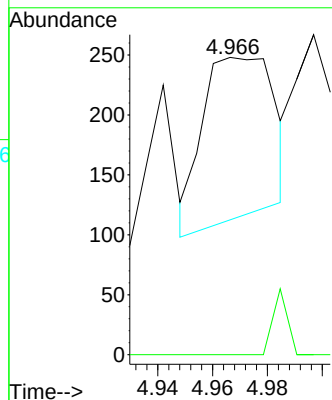
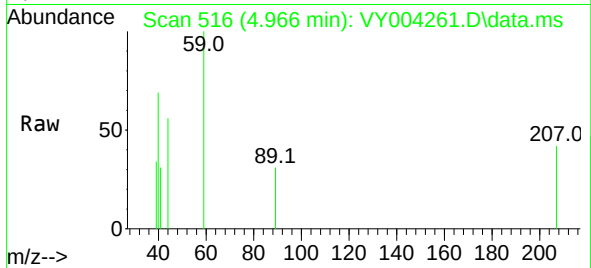




#11
Tert butyl alcohol
Concen: 1.69 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

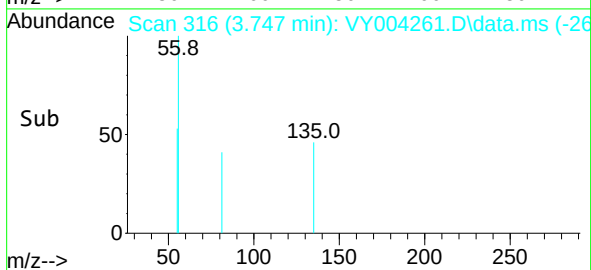
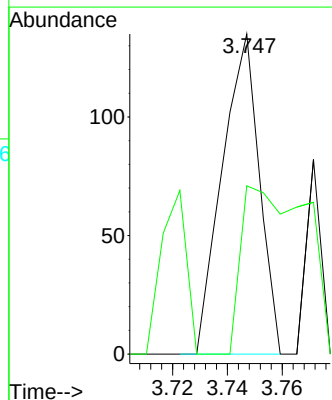
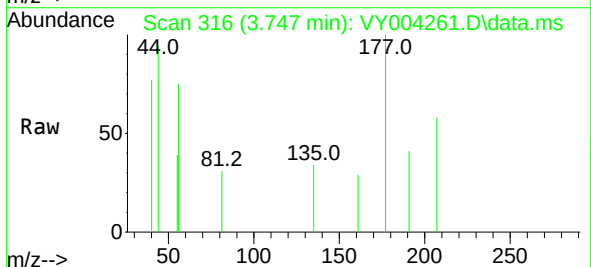
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

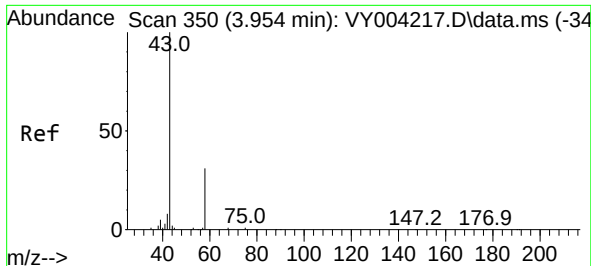
Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 8.1 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

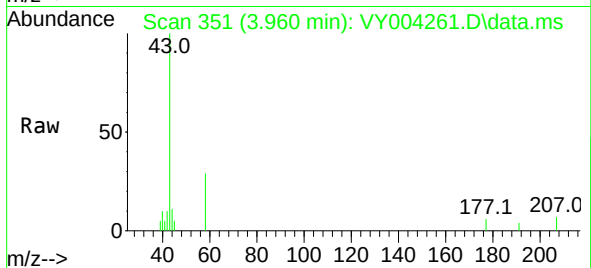
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 93.7 55.0 82.4#



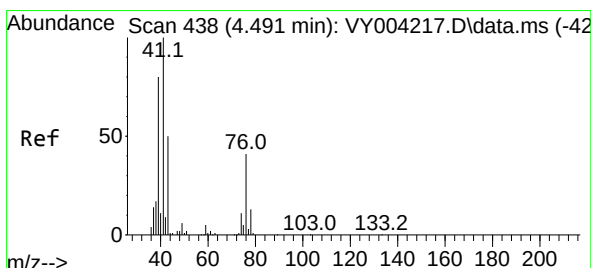
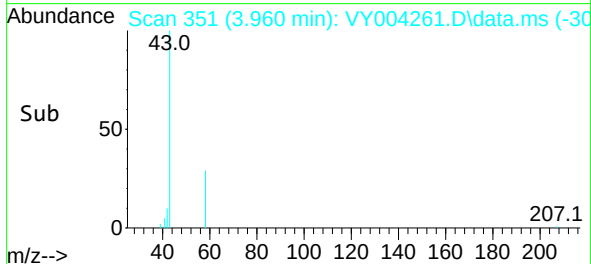
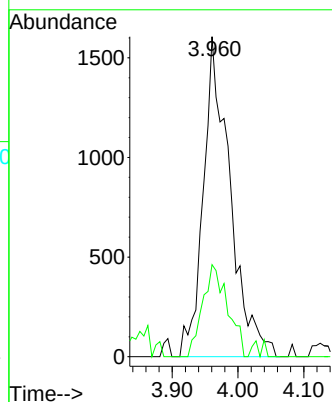


#16
Acetone
Concen: 12.17 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

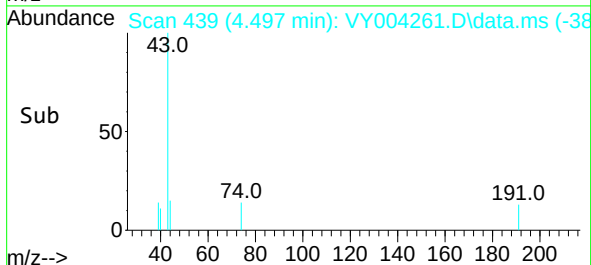
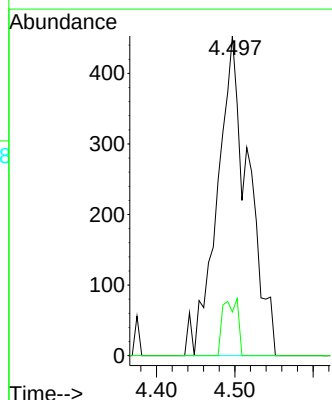
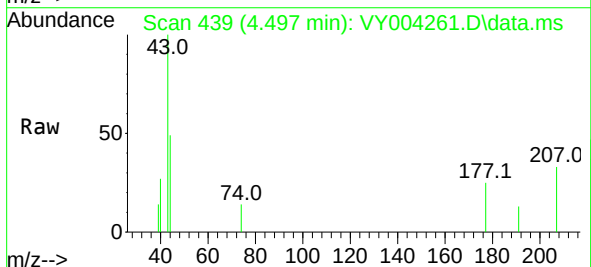


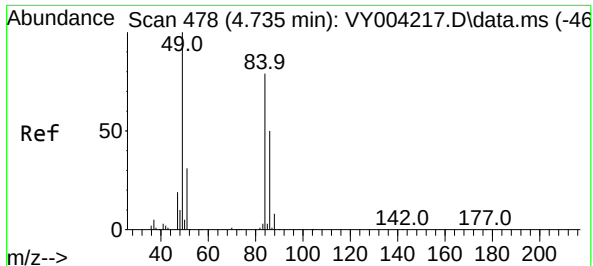
Tgt Ion: 43 Resp: 4545
Ion Ratio Lower Upper
43 100
58 28.8 24.5 36.7



#18
Methyl Acetate
Concen: 1.06 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
74 8.5 19.1 28.7#



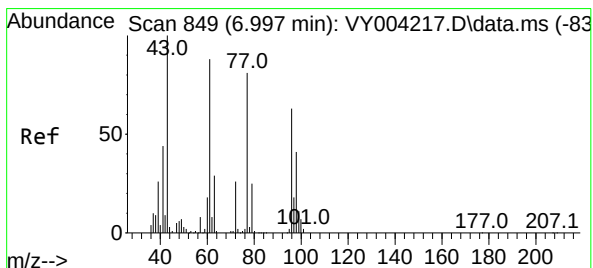
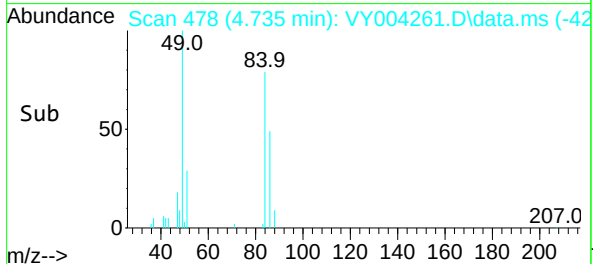
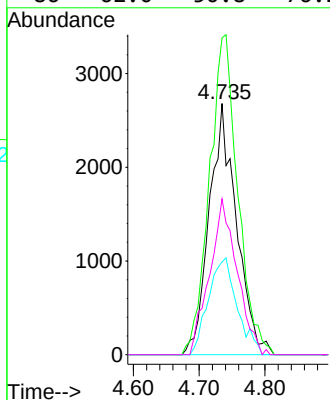
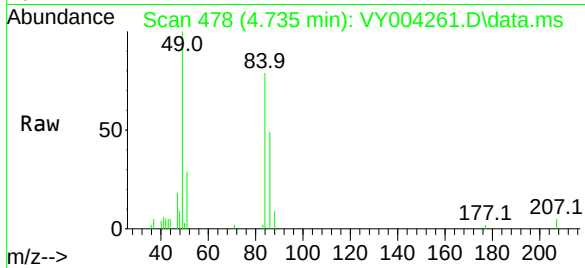


#20
Methylene Chloride
Concen: 1.79 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

Tgt Ion: 84 Resp: 7719

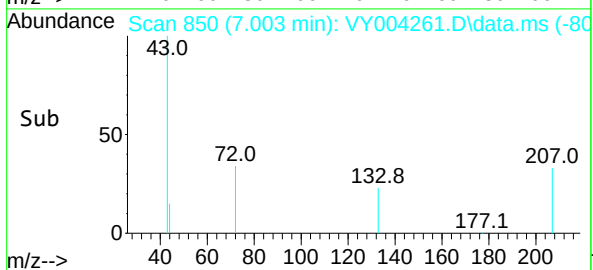
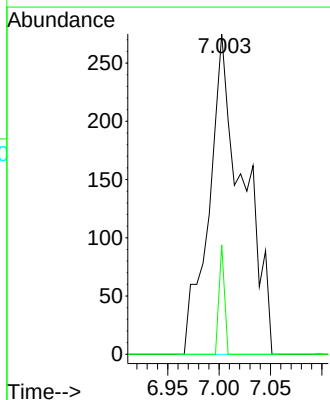
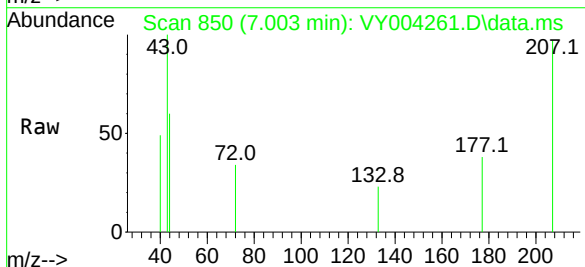
Ion	Ratio	Lower	Upper
84	100		
49	126.1	101.5	152.3
51	36.9	31.5	47.3
86	62.0	50.8	76.2

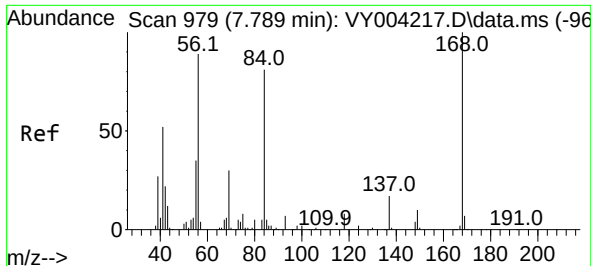


#25
2-Butanone
Concen: 1.02 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion: 43 Resp: 637

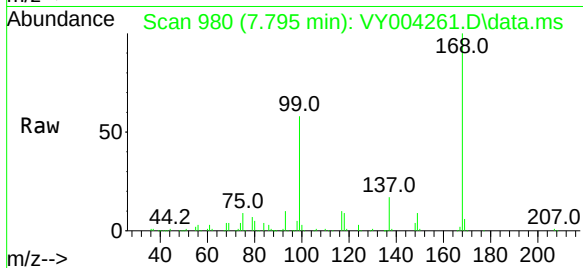
Ion	Ratio	Lower	Upper
43	100		
72	34.2	21.0	31.6#



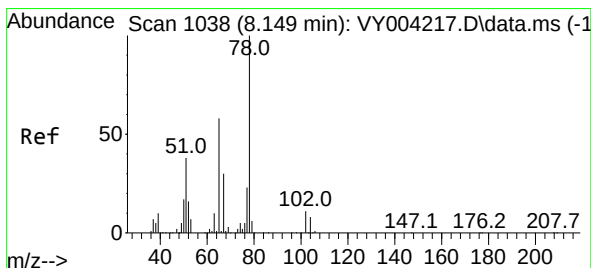
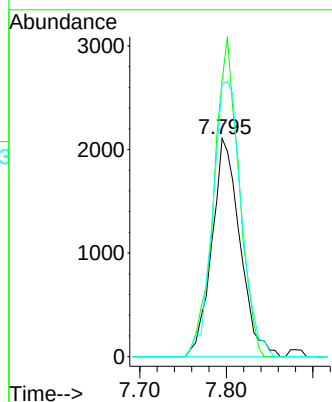
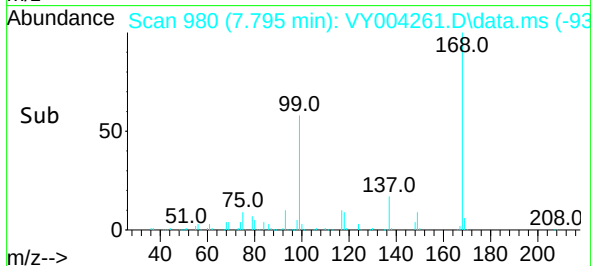


#31
Cyclohexane
Concen: 1.49 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

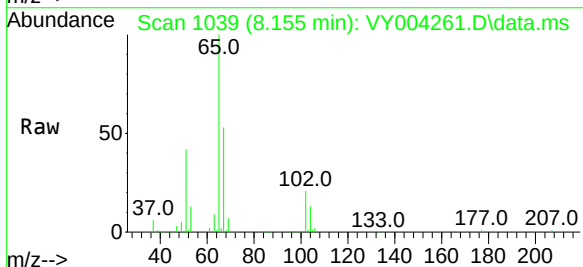
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)



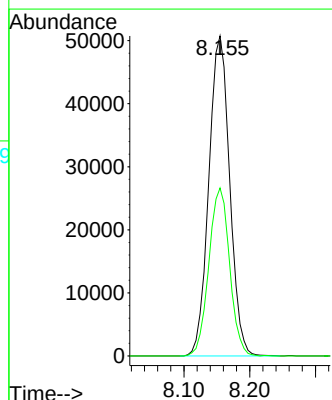
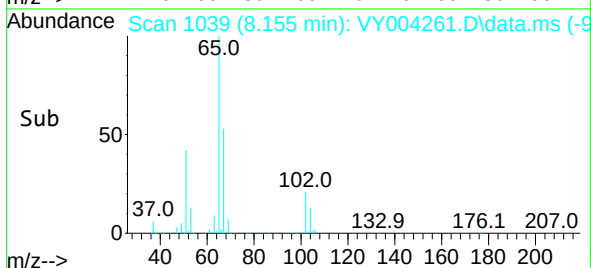
Tgt Ion: 56 Resp: 4730
Ion Ratio Lower Upper
56 100
69 126.4 26.6 40.0#
84 125.1 72.3 108.5#

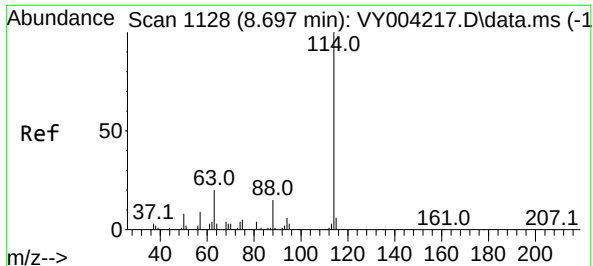


#33
1,2-Dichloroethane-d4
Concen: 62.52 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39



Tgt Ion: 65 Resp: 112110
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.2

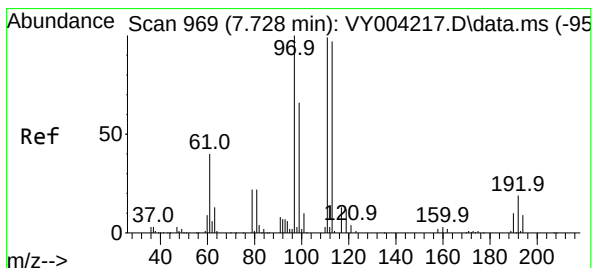
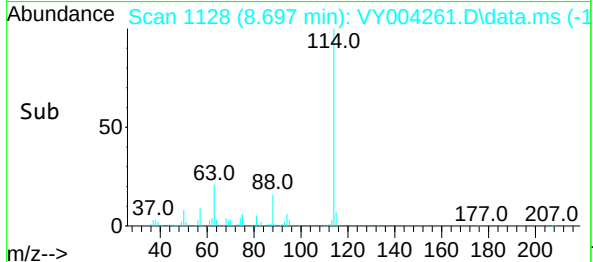
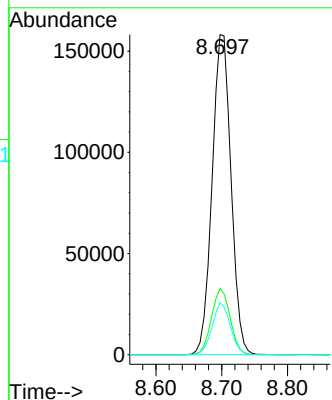
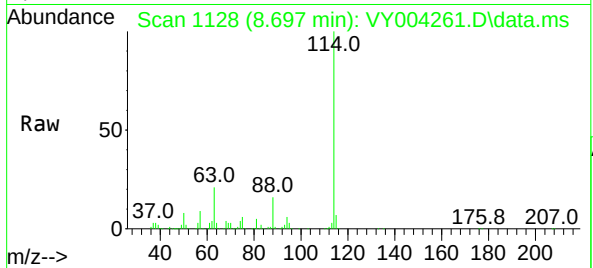




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

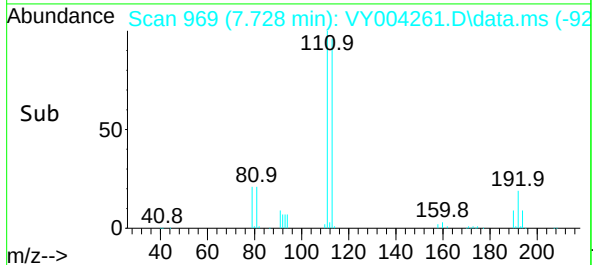
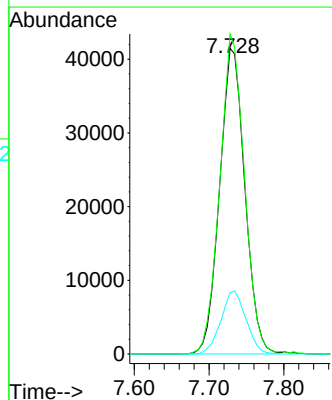
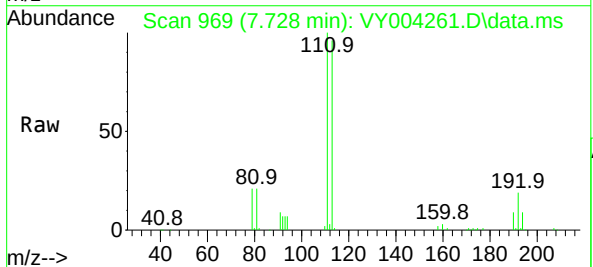
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

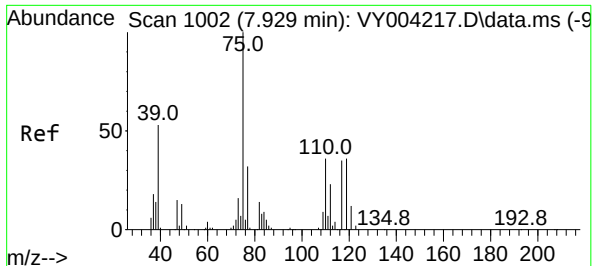
Tgt Ion:	114	Resp:	316189
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.4
88	16.2	0.0	30.8



#35
Dibromofluoromethane
Concen: 55.26 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion:	113	Resp:	97348
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	124.0
192	20.5	16.4	24.6





#36

1,1-Dichloropropene

Concen: 5.08 ug/l

RT: 7.801 min Scan# 981

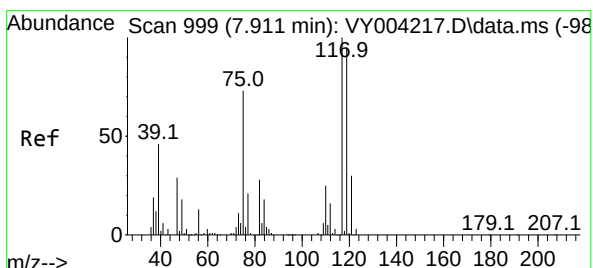
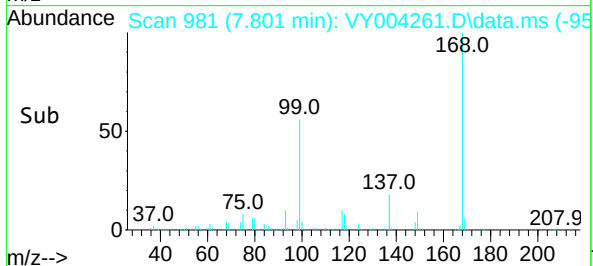
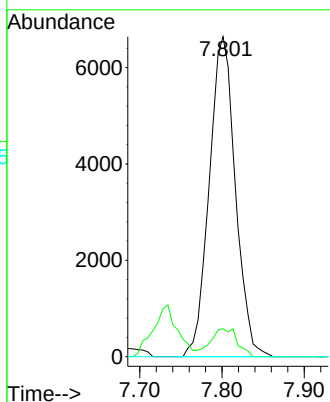
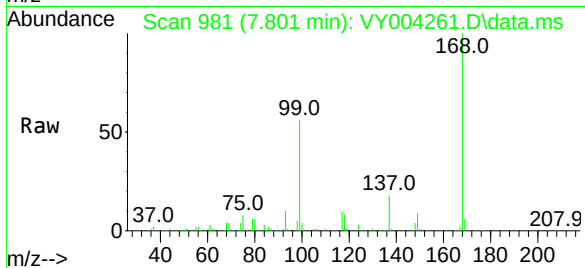
Delta R.T. -0.128 min

Lab File: VY004261.D

Acq: 02 Apr 2021 14:39

Tgt Ion: 75	Resp: 14676
Ion Ratio	Lower Upper
75 100	
110 8.9	18.1 54.3#
77 0.0	25.1 37.7#

Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)



#38

Carbon Tetrachloride

Concen: 7.36 ug/l

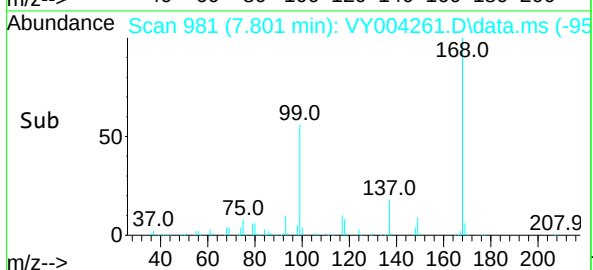
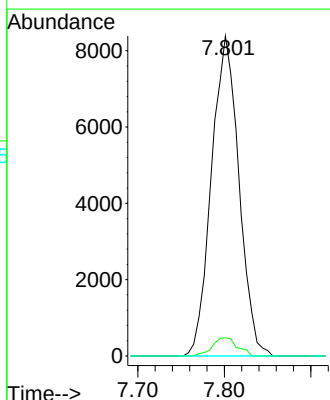
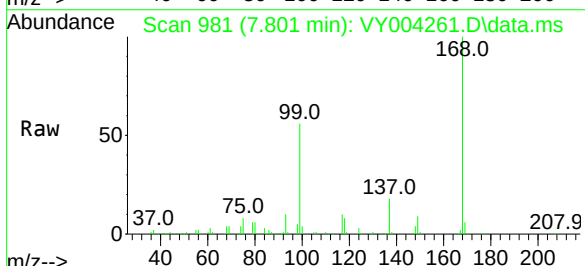
RT: 7.801 min Scan# 981

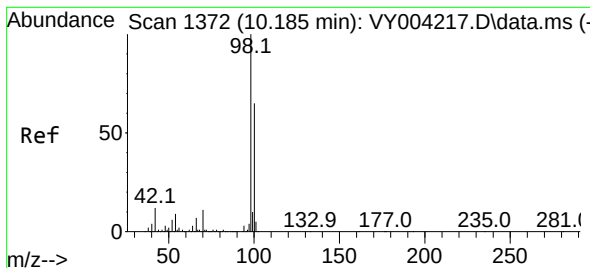
Delta R.T. -0.110 min

Lab File: VY004261.D

Acq: 02 Apr 2021 14:39

Tgt Ion: 117	Resp: 18482
Ion Ratio	Lower Upper
117 100	
119 5.7	75.6 113.4#
121 0.0	24.3 36.5#

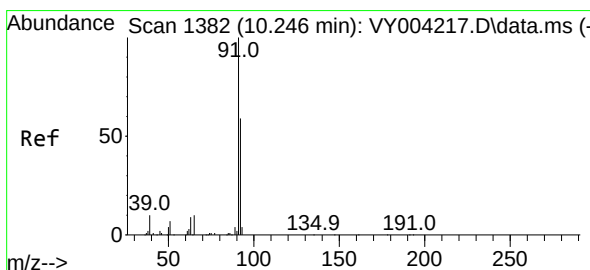
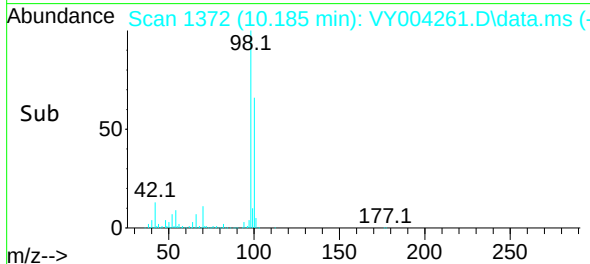
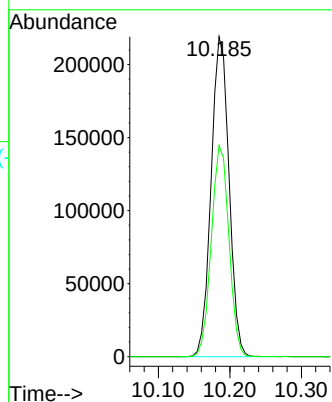
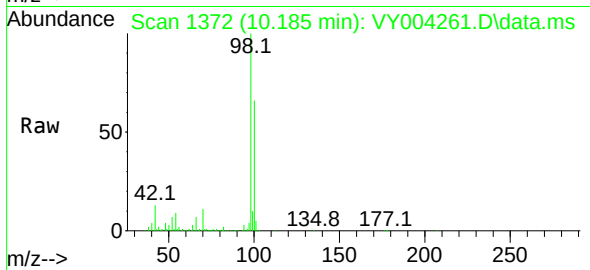




#50
Toluene-d8
Concen: 57.33 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

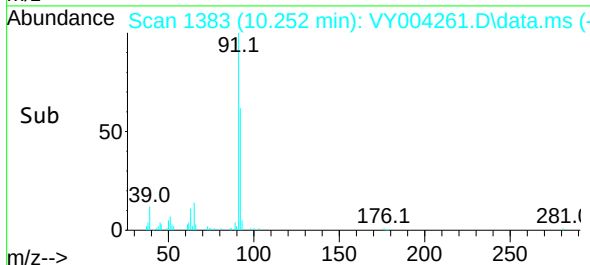
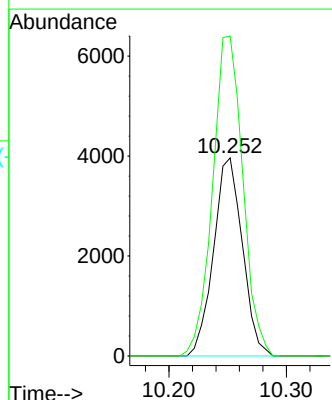
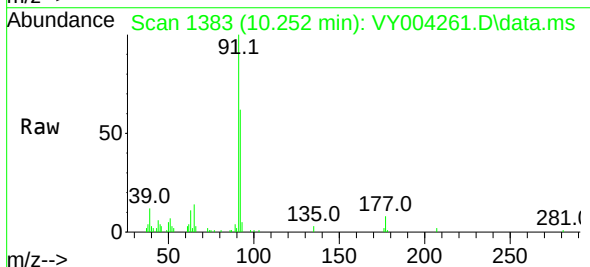
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

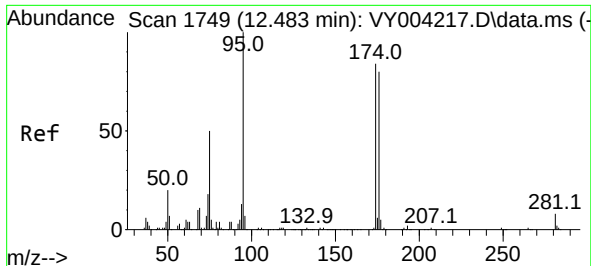
Tgt Ion: 98 Resp: 379873
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#52
Toluene
Concen: 1.28 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion: 92 Resp: 6754
Ion Ratio Lower Upper
92 100
91 169.4 136.0 204.0

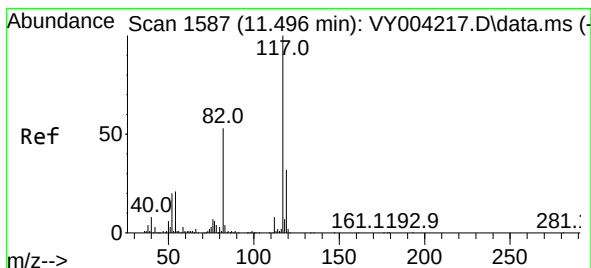
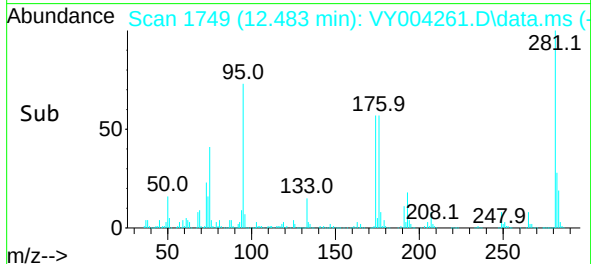
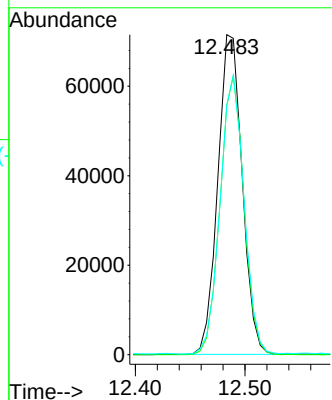
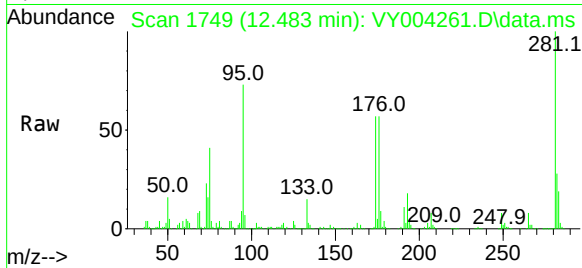




#62
4-Bromofluorobenzene
Concen: 48.63 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

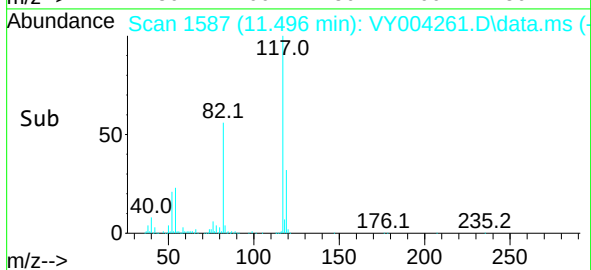
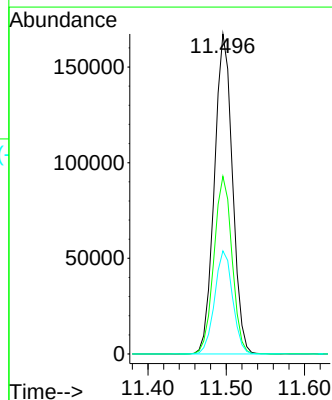
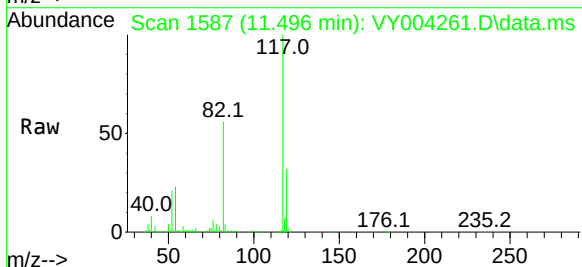
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

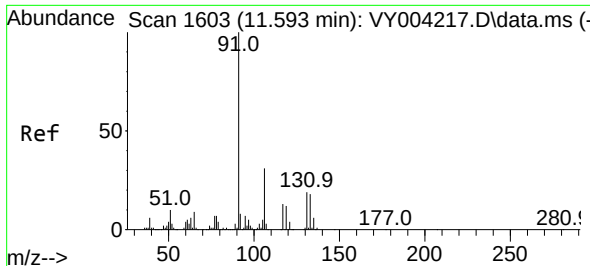
Tgt Ion: 95 Resp: 110443
Ion Ratio Lower Upper
95 100
174 85.0 0.0 171.4
176 85.6 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion: 117 Resp: 268290
Ion Ratio Lower Upper
117 100
82 55.5 42.7 64.1
119 32.2 25.7 38.5

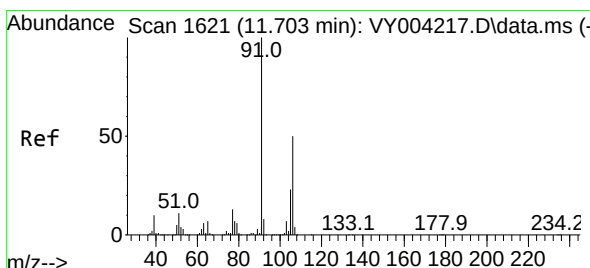
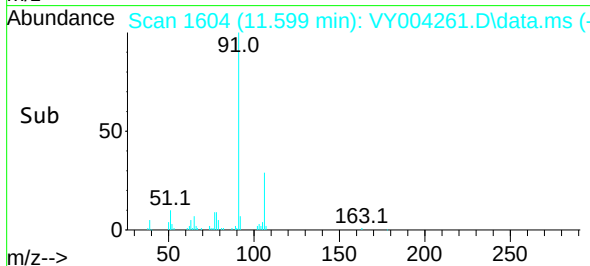
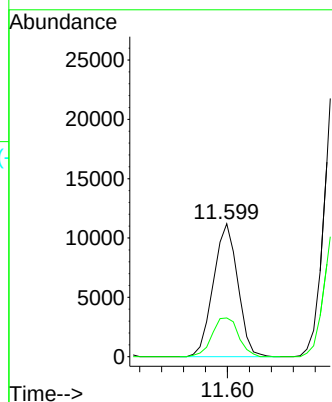
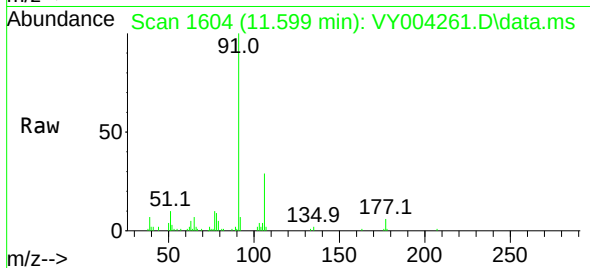




#67
Ethyl Benzene
Concen: 1.79 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

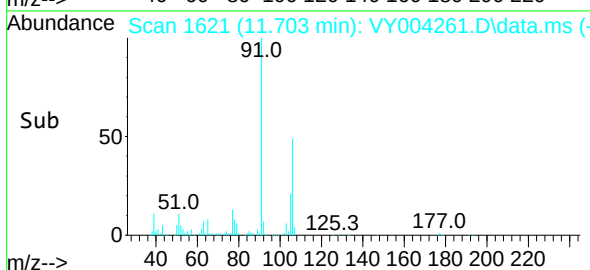
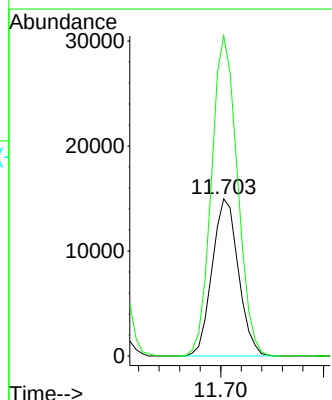
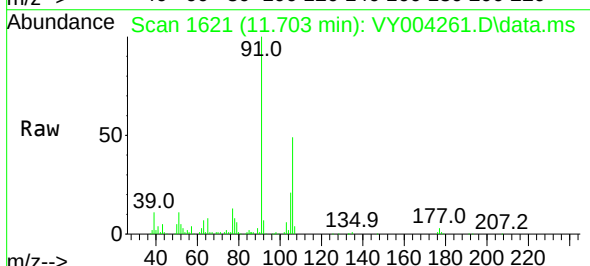
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

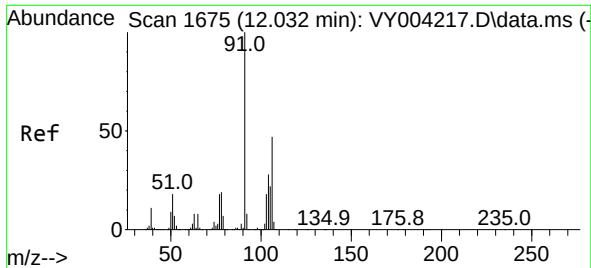
Tgt Ion: 91 Resp: 17344
Ion Ratio Lower Upper
91 100
106 29.1 25.0 37.6



#68
m/p-Xylenes
Concen: 7.09 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion:106 Resp: 26467
Ion Ratio Lower Upper
106 100
91 201.9 159.8 239.6

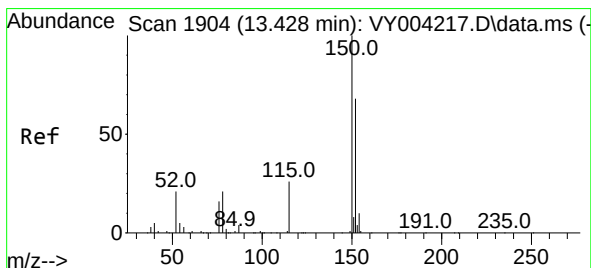
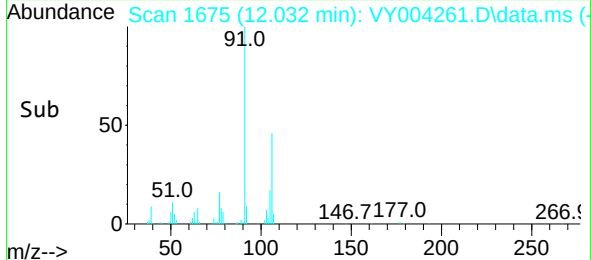
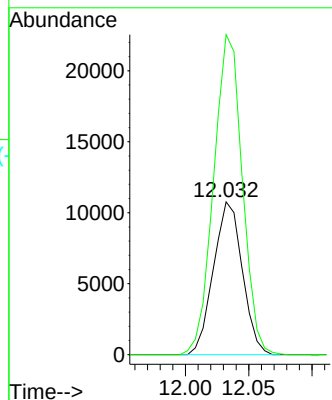
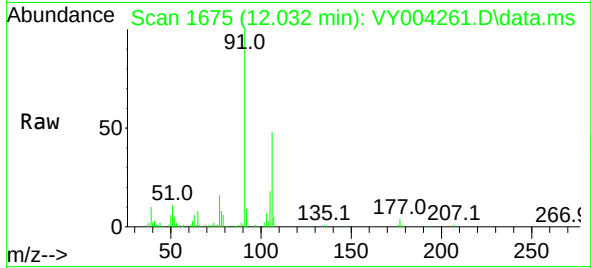




#69
o-Xylene
Concen: 4.90 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

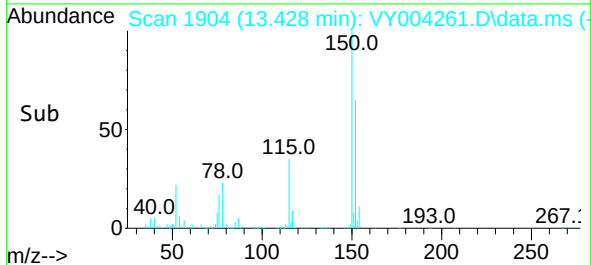
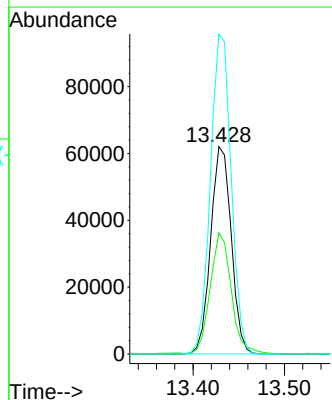
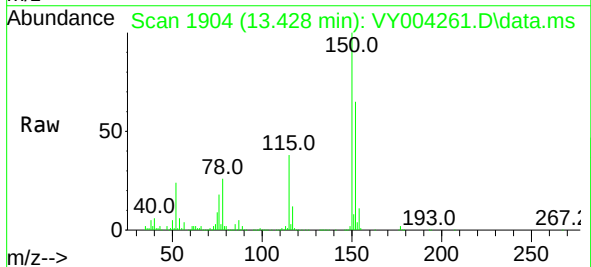
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

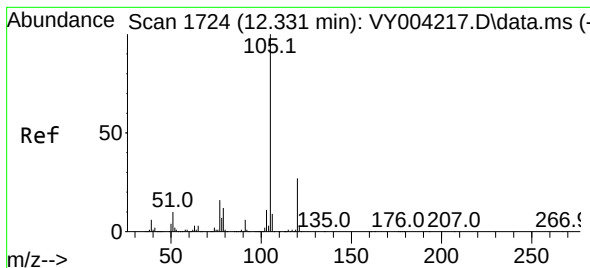
Tgt Ion:106 Resp: 17098
Ion Ratio Lower Upper
106 100
91 207.7 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion:152 Resp: 96945
Ion Ratio Lower Upper
152 100
115 59.9 29.0 87.1
150 155.3 0.0 347.4





#73

Isopropylbenzene

Concen: 1.02 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY004261.D

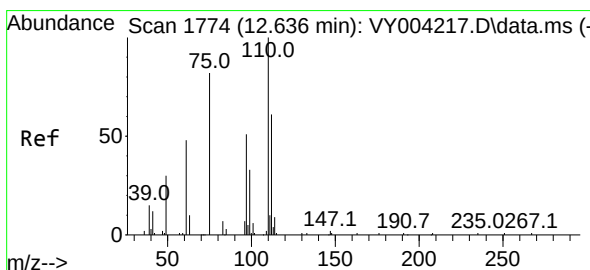
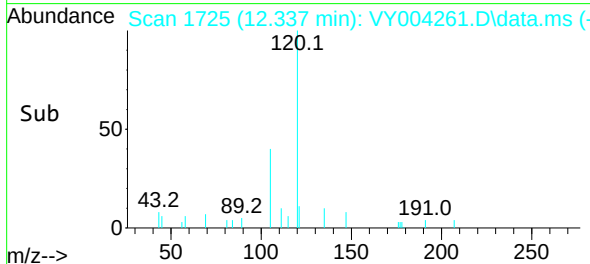
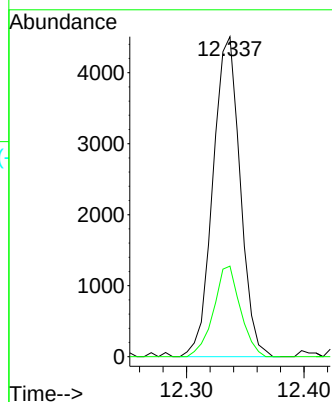
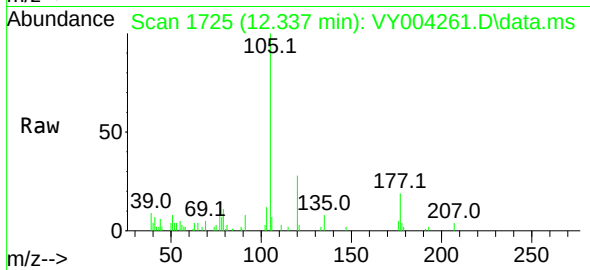
Acq: 02 Apr 2021 14:39

Tgt Ion: 105 Resp: 7256

Ion Ratio Lower Upper

105 100

120 27.8 13.7 41.0



#76

1,2,3-Trichloropropane

Concen: 74.86 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY004261.D

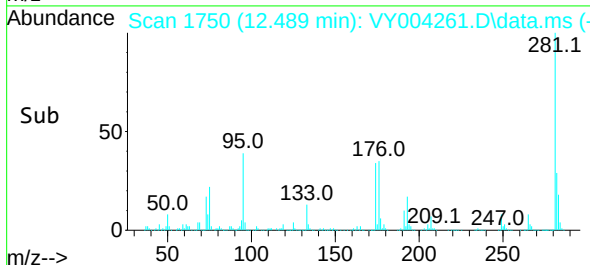
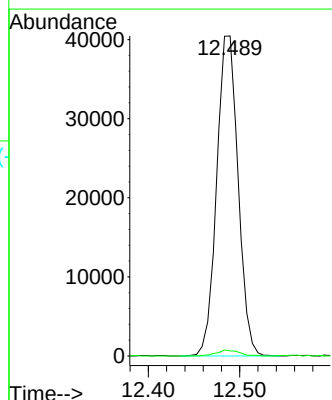
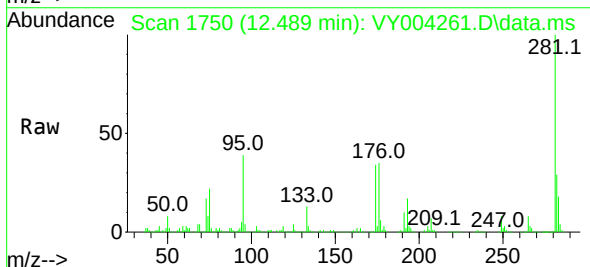
Acq: 02 Apr 2021 14:39

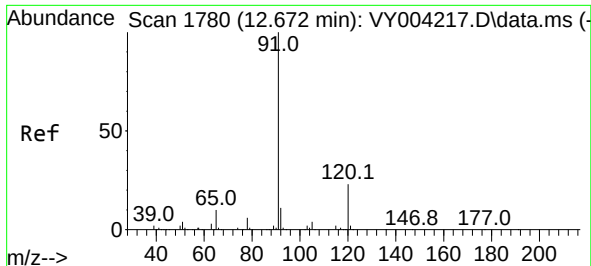
Tgt Ion: 75 Resp: 65900

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#

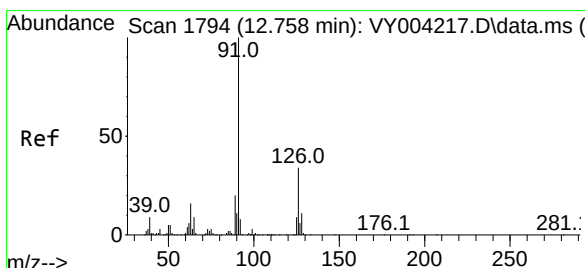
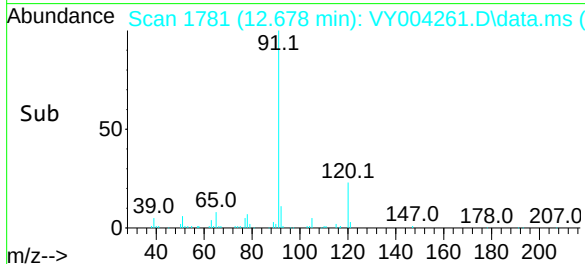
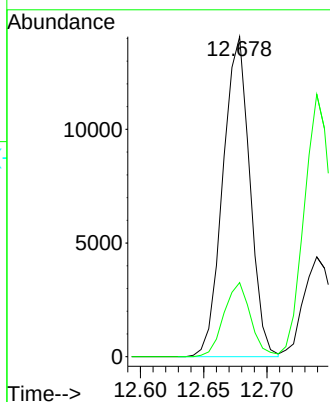
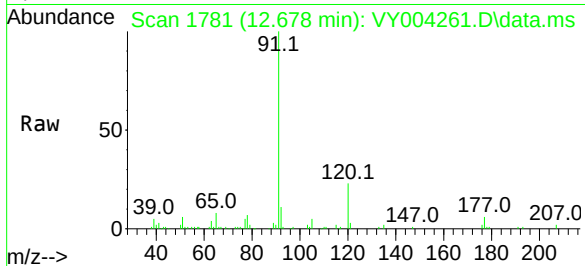




#78
n-propylbenzene
Concen: 2.55 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

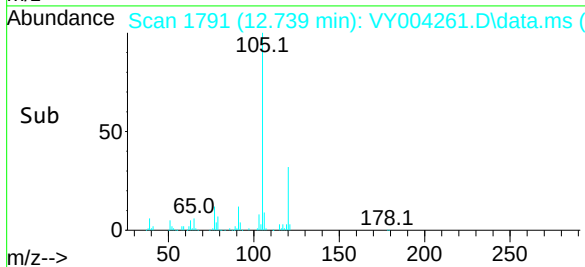
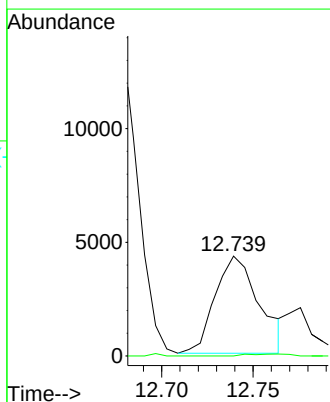
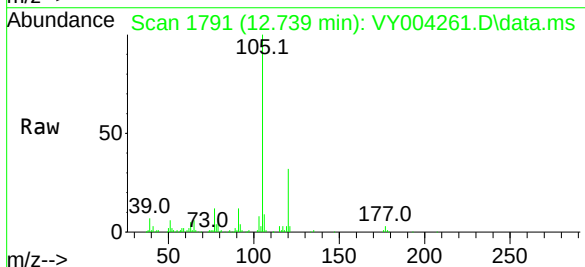
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

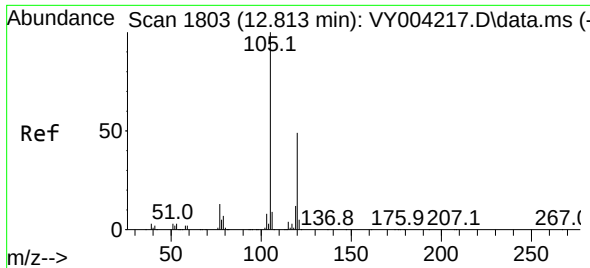
Tgt Ion: 91 Resp: 20875
Ion Ratio Lower Upper
91 100
120 23.0 11.9 35.5



#79
2-Chlorotoluene
Concen: 1.60 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.018 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion: 91 Resp: 7185
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#

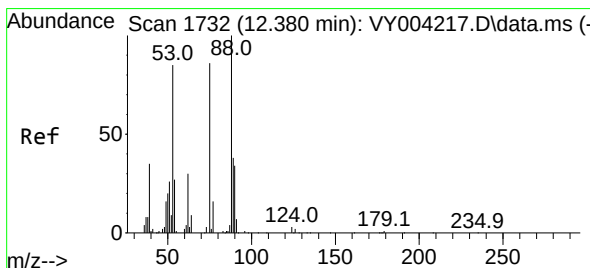
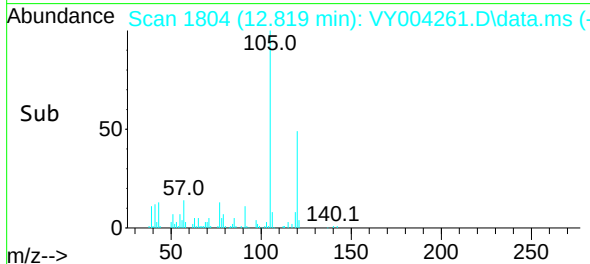
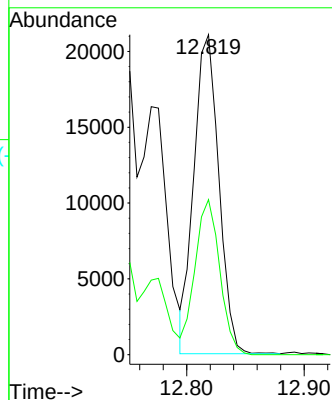
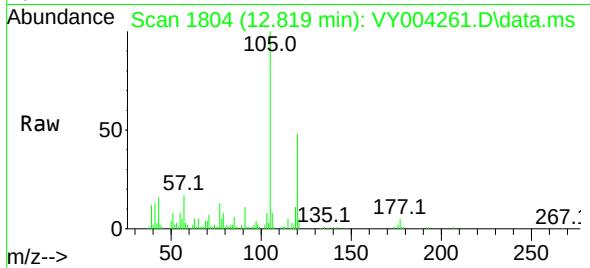




#80
1,3,5-Trimethylbenzene
Concen: 5.37 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

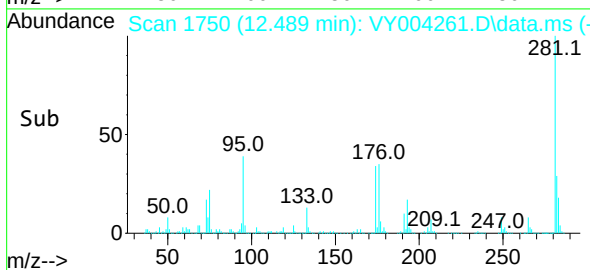
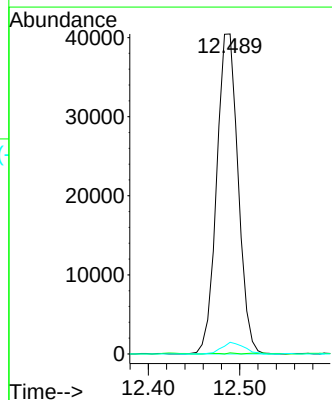
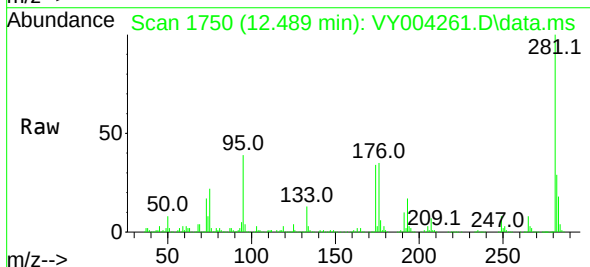
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

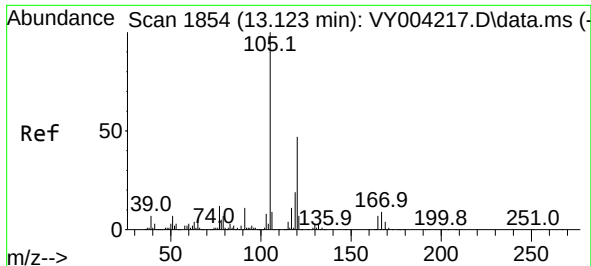
Tgt Ion:105 Resp: 31045
Ion Ratio Lower Upper
105 100
120 48.3 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 137.97 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion: 75 Resp: 65900
Ion Ratio Lower Upper
75 100
53 0.1 79.3 118.9#
89 3.7 39.4 59.2#

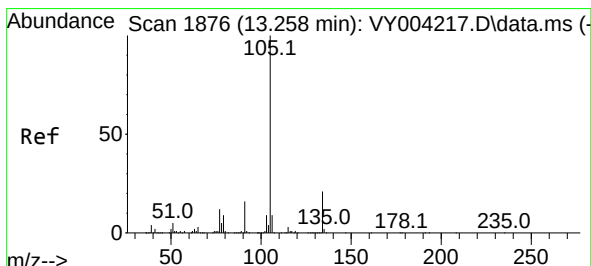
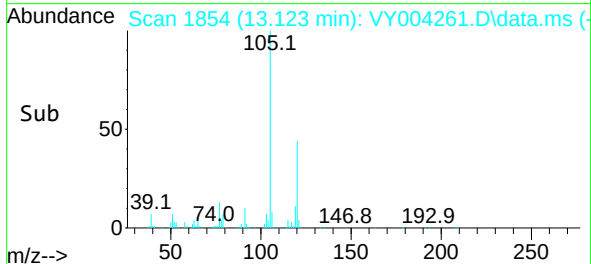
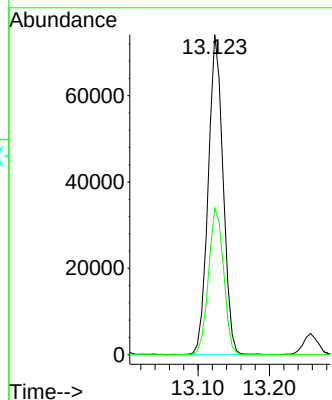
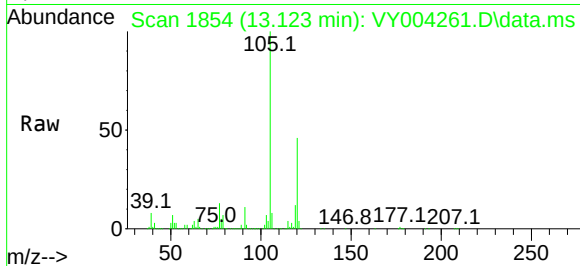




#84
1,2,4-Trimethylbenzene
Concen: 18.48 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

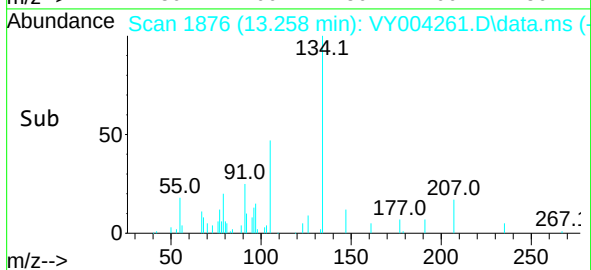
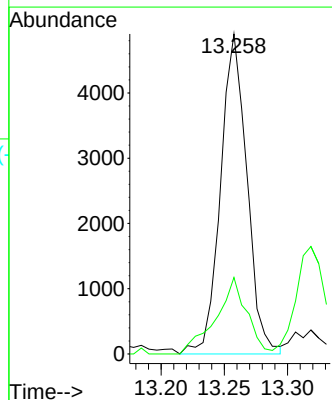
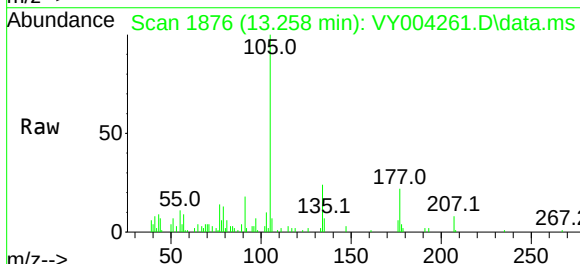
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

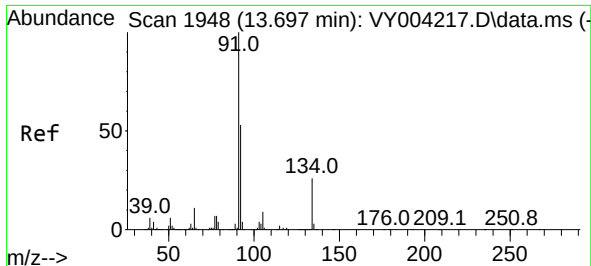
Tgt Ion:105 Resp: 107071
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.7



#85
sec-Butylbenzene
Concen: 1.04 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion:105 Resp: 7131
Ion Ratio Lower Upper
105 100
134 28.1 10.4 31.4

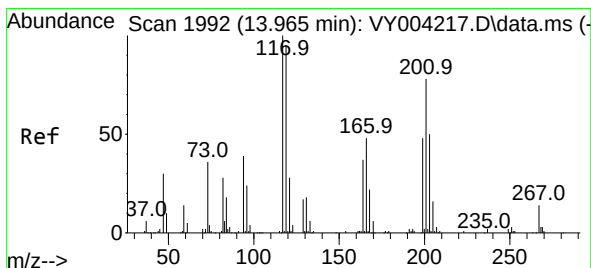
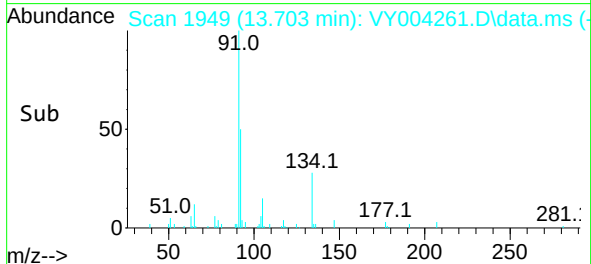
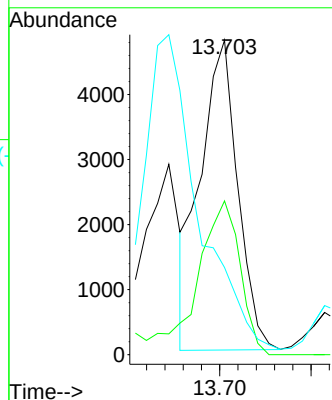
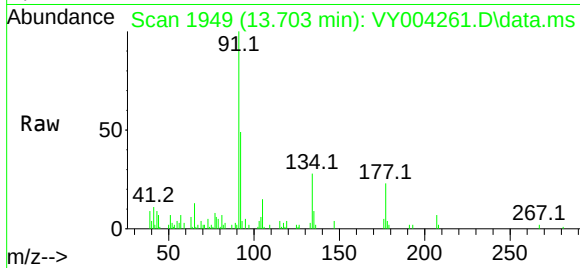




#89
n-Butylbenzene
Concen: 1.15 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Instrument :
MSVOA_Y
ClientSampleId :
TP-6S-(0-4)

Tgt Ion: 91 Resp: 6745
Ion Ratio Lower Upper
91 100
92 56.5 26.5 79.4
134 0.0 13.6 40.7#



#90
Hexachloroethane
Concen: 9.97 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004261.D
Acq: 02 Apr 2021 14:39

Tgt Ion: 117 Resp: 1784
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

