

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004262.D
 Acq On : 02 Apr 2021 15:02
 Operator : SY/MD
 Sample : M1911-02
 Misc : 5.05g/5mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6S1-(0-2)

Quant Time: Apr 02 23:00:44 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

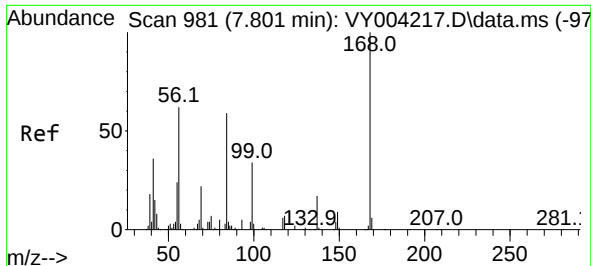
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	192469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	335010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	310582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	114203	61.72	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.44%			
35) Dibromofluoromethane	7.728	113	102061	54.68	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.36%			
50) Toluene-d8	10.185	98	410023	58.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.80%			
62) 4-Bromofluorobenzene	12.483	95	135856	56.46	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.92%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.205	62	5339	2.13	ug/l #	42
13) Acrolein	3.735	56	222	Below Cal	#	20
16) Acetone	3.966	43	21664	56.20	ug/l	97
20) Methylene Chloride	4.735	84	7923	1.76	ug/l #	86
25) 2-Butanone	7.009	43	7927	12.31	ug/l	92
31) Cyclohexane	7.801	56	4348	1.33	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	14533	4.75	ug/l #	49
37) Ethyl Acetate	7.009	43	7927	4.42	ug/l #	70
38) Carbon Tetrachloride	7.801	117	18714	7.04	ug/l #	16
49) 1,4-Dioxane	9.307	88	117	Below Cal	#	14
59) 2-Hexanone	10.807	43	2019	1.70	ug/l #	29
68) m/p-Xylenes	11.703	106	16407	3.80	ug/l	99
69) o-Xylene	12.038	106	11017	2.73	ug/l	90
74) N-amyl acetate	12.130	43	12339	4.04	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.642	83	2460	1.27	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	74482	57.39	ug/l #	100
78) n-propylbenzene	12.672	91	26239	2.17	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	41756	4.90	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	74482	105.77	ug/l #	10
83) tert-Butylbenzene	13.123	119	17211	2.34	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.123	105	131826	15.43	ug/l	99
85) sec-Butylbenzene	13.258	105	15752	1.55	ug/l	82
86) p-Isopropyltoluene	13.373	119	11275	1.20	ug/l	98
89) n-Butylbenzene	13.703	91	18183	2.10	ug/l #	77
90) Hexachloroethane	13.977	117	4027	11.40	ug/l #	12

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

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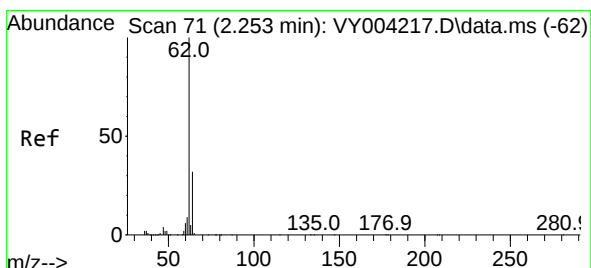
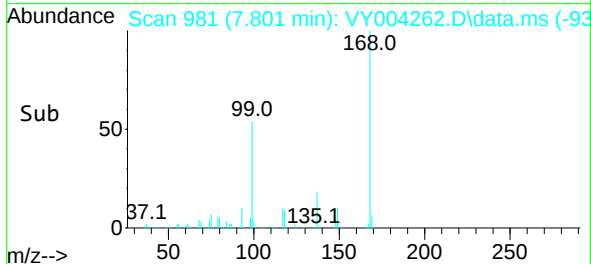
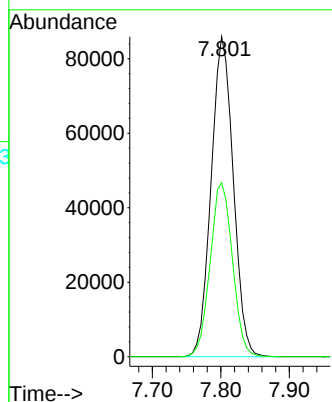
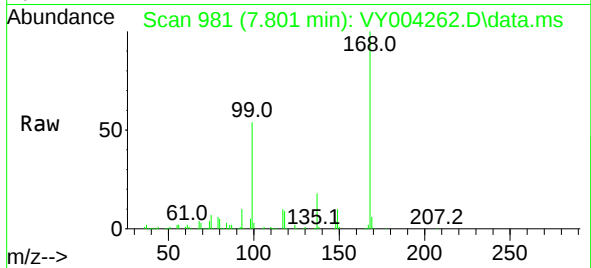




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

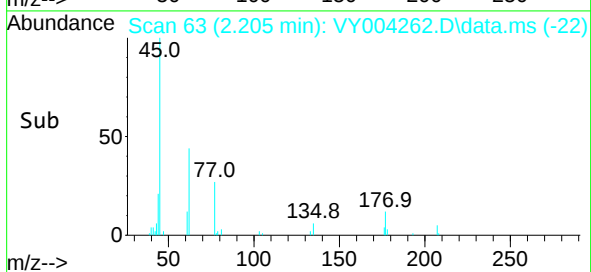
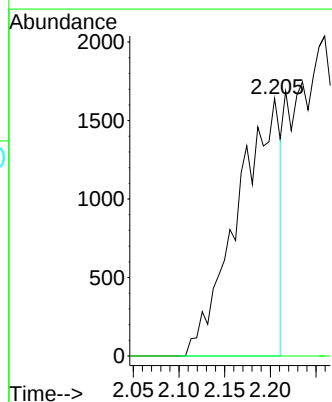
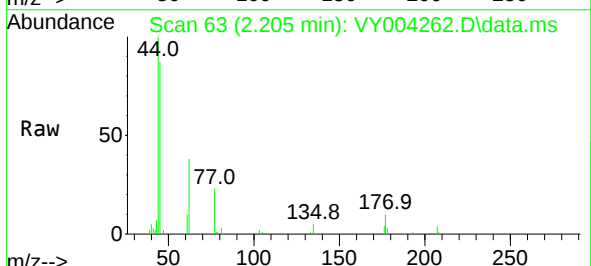
Instrument :
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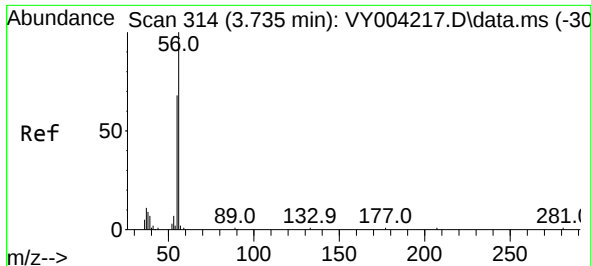
Tgt Ion:168 Resp: 192469
Ion Ratio Lower Upper
168 100
99 54.3 42.6 64.0



#4
Vinyl Chloride
Concen: 2.13 ug/l
RT: 2.205 min Scan# 63
Delta R.T. -0.049 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion: 62 Resp: 5339
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

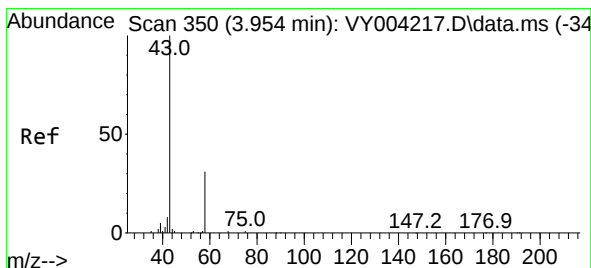
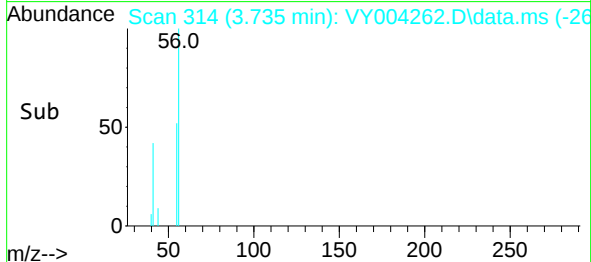
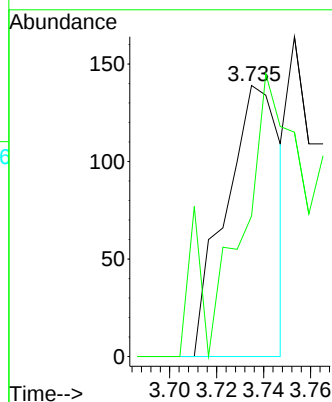
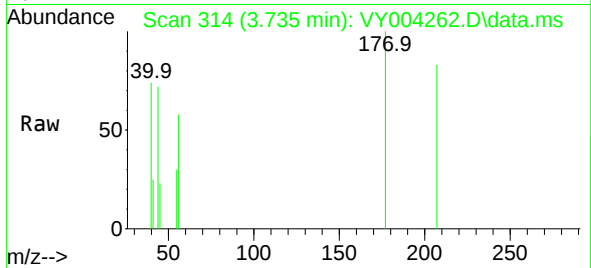




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

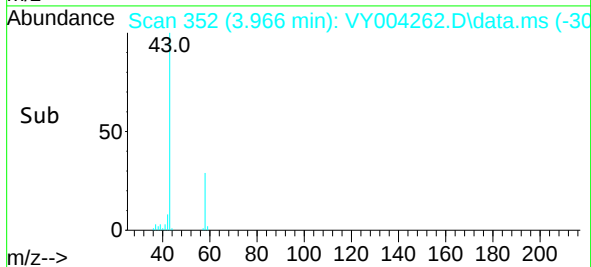
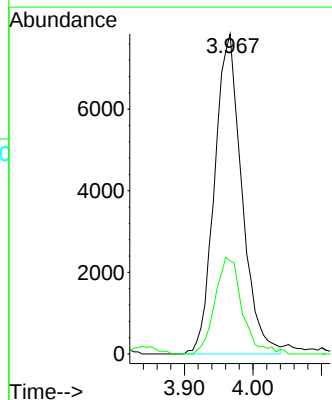
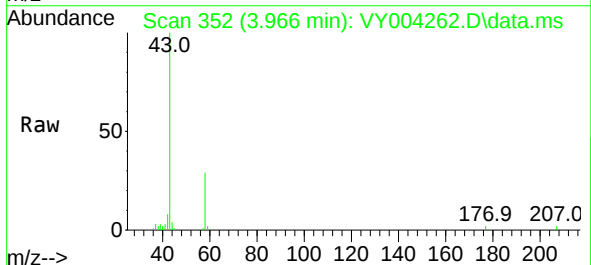
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

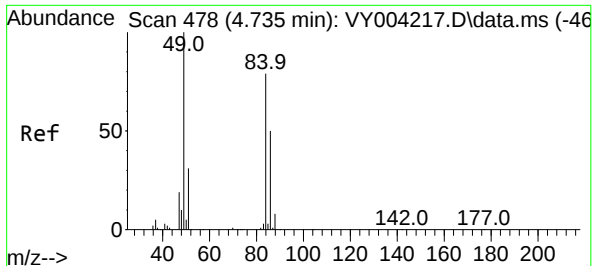
Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 133.3 55.0 82.4#



#16
Acetone
Concen: 56.20 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion: 43 Resp: 21664
Ion Ratio Lower Upper
43 100
58 29.1 24.5 36.7





#20

Methylene Chloride

Concen: 1.76 ug/l

RT: 4.735 min Scan# 478

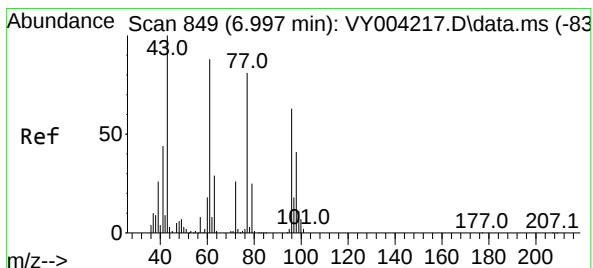
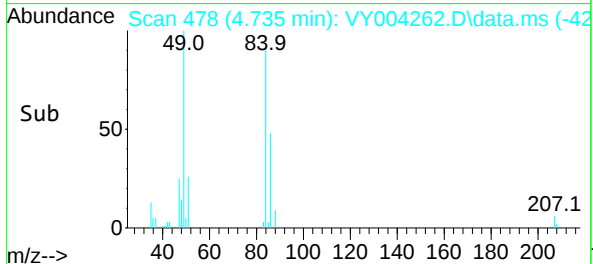
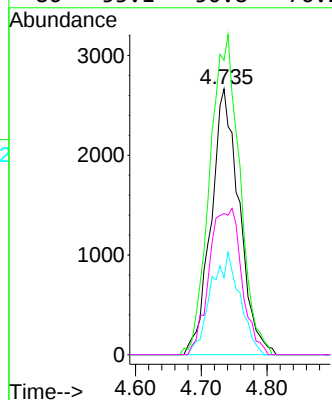
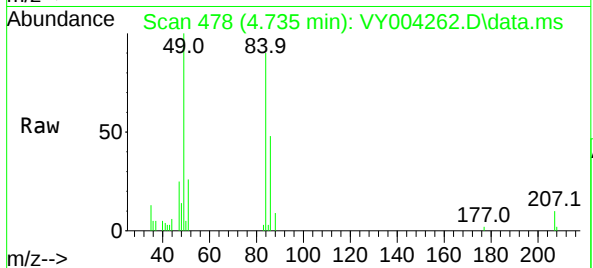
Delta R.T. -0.000 min

Lab File: VY004262.D

Acq: 02 Apr 2021 15:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

Tgt Ion:	84	Resp:	7923
Ion	Ratio	Lower	Upper
84	100		
49	110.8	101.5	152.3
51	29.0	31.5	47.3#
86	53.1	50.8	76.2



#25

2-Butanone

Concen: 12.31 ug/l

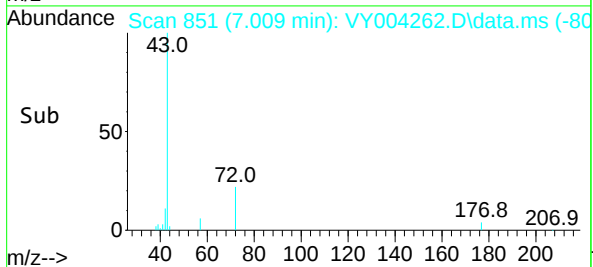
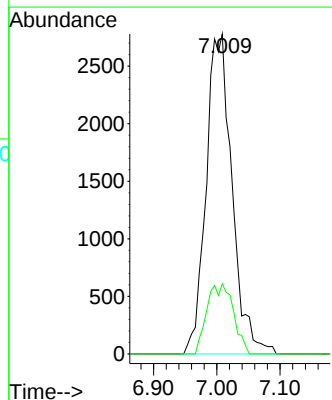
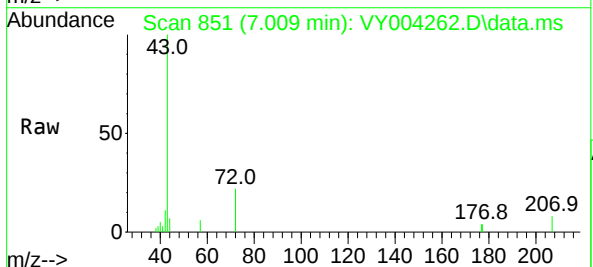
RT: 7.009 min Scan# 851

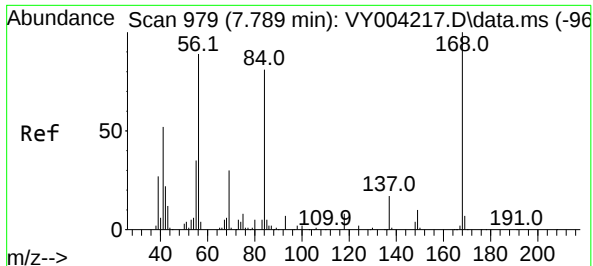
Delta R.T. 0.012 min

Lab File: VY004262.D

Acq: 02 Apr 2021 15:02

Tgt Ion:	43	Resp:	7927
Ion	Ratio	Lower	Upper
43	100		
72	22.0	21.0	31.6

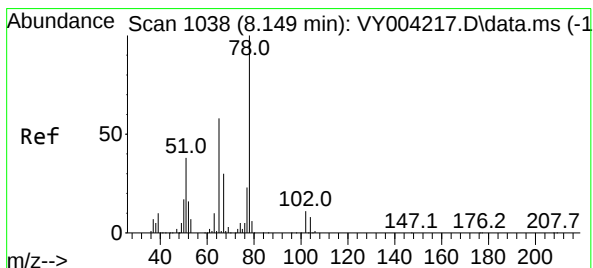
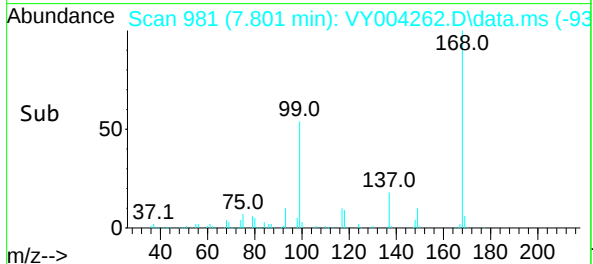
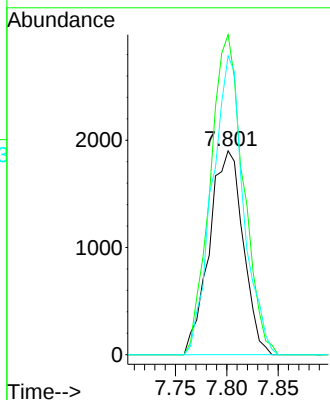
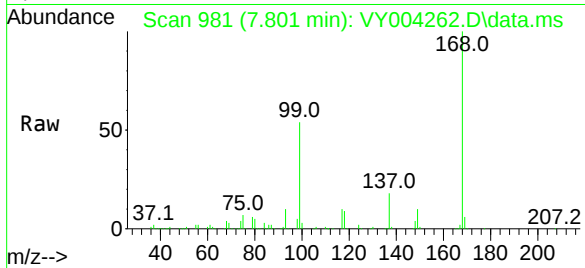




#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

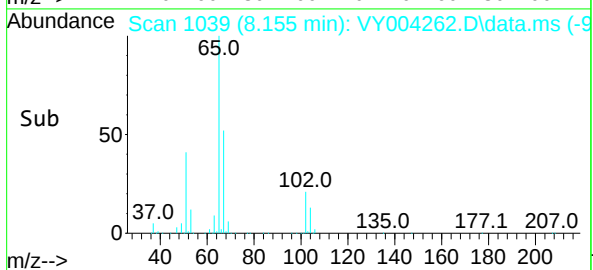
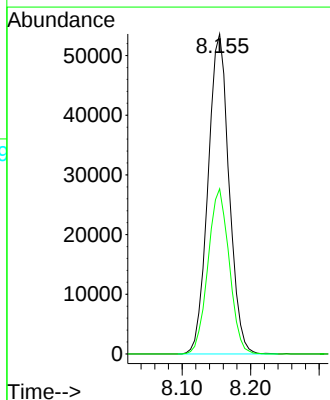
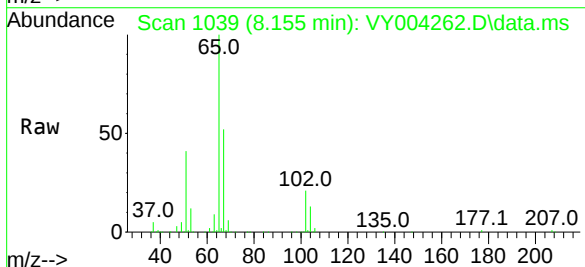
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

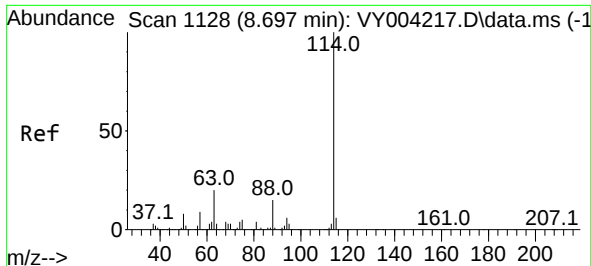
Tgt Ion: 56 Resp: 4348
Ion Ratio Lower Upper
56 100
69 157.0 26.6 40.0#
84 146.7 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 61.72 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion: 65 Resp: 114203
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.2

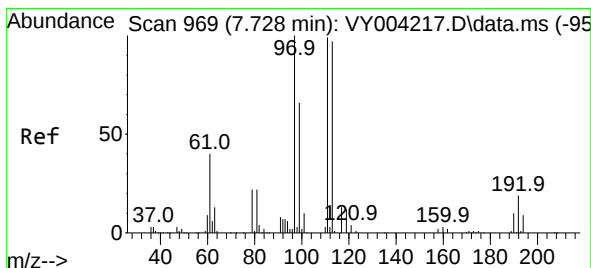
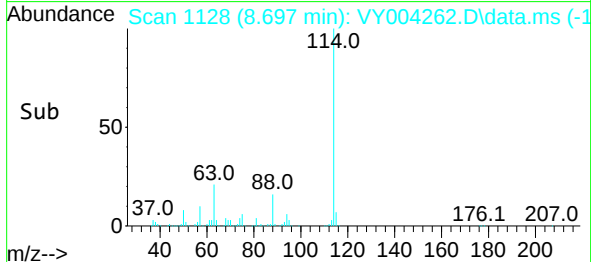
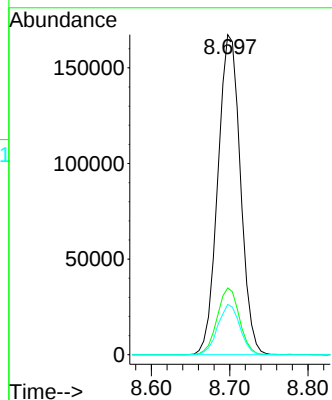
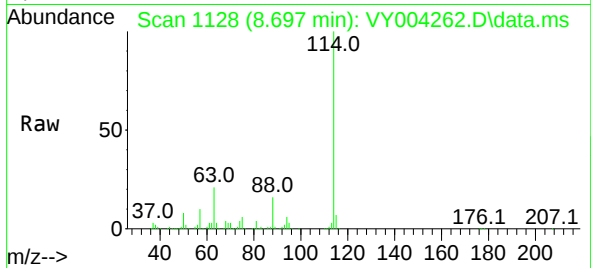




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

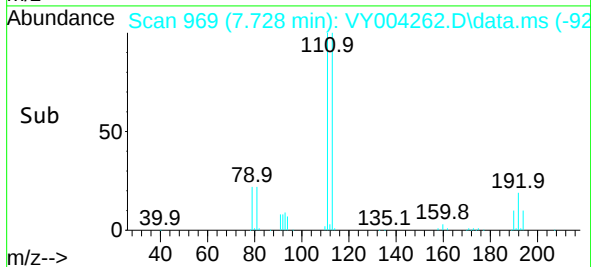
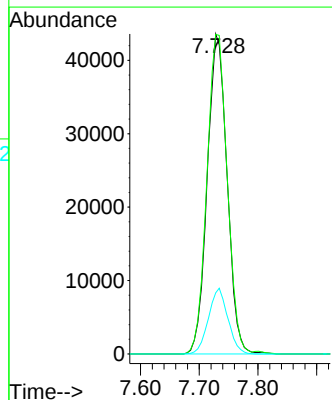
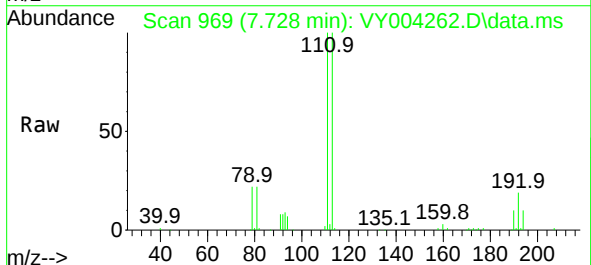
Instrument :
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ClientSampleId :
TP-6S1-(0-2)

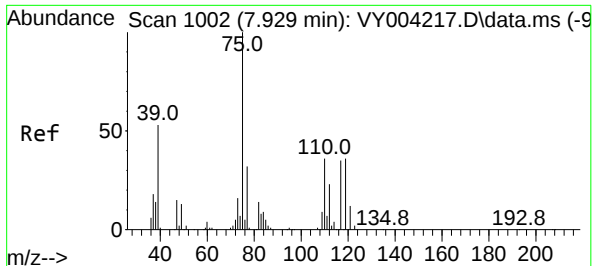
Tgt Ion:114 Resp: 335010
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.4
88 15.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 54.68 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion:113 Resp: 102061
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 20.1 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.75 ug/l

RT: 7.795 min Scan# 980

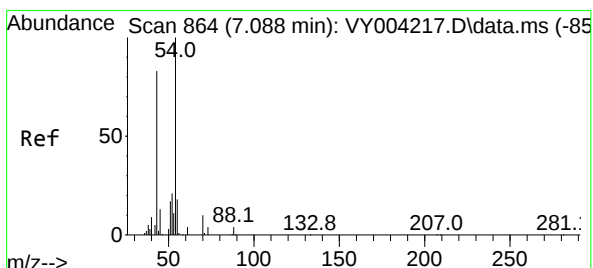
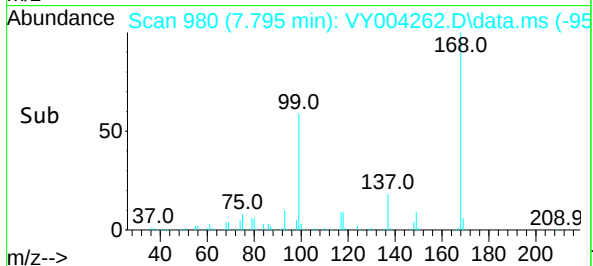
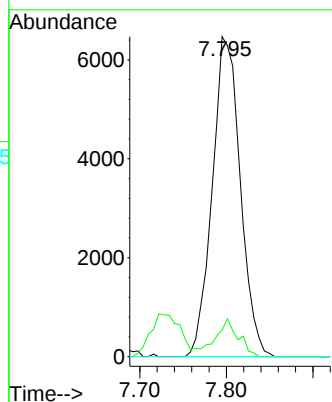
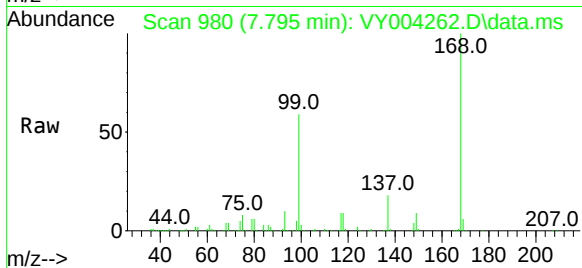
Delta R.T. -0.134 min

Lab File: VY004262.D

Acq: 02 Apr 2021 15:02

Tgt Ion: 75	Resp: 14533
Ion Ratio	Lower Upper
75 100	
110 9.3	18.1 54.3#
77 0.0	25.1 37.7#

Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)



#37

Ethyl Acetate

Concen: 4.42 ug/l

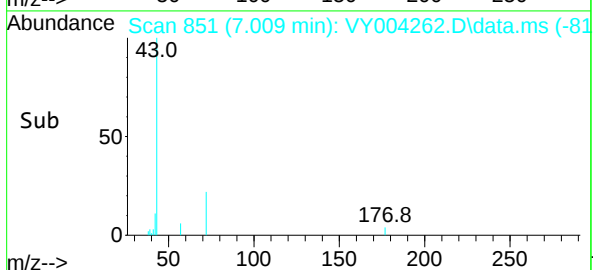
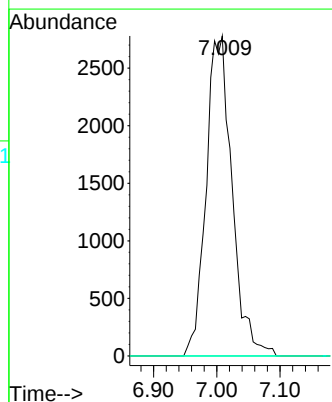
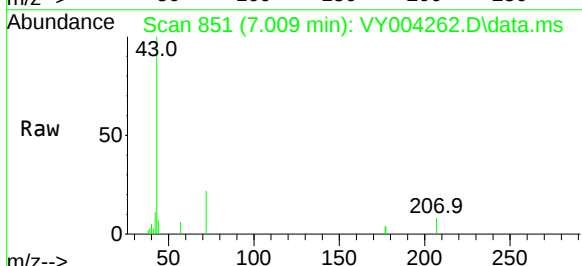
RT: 7.009 min Scan# 851

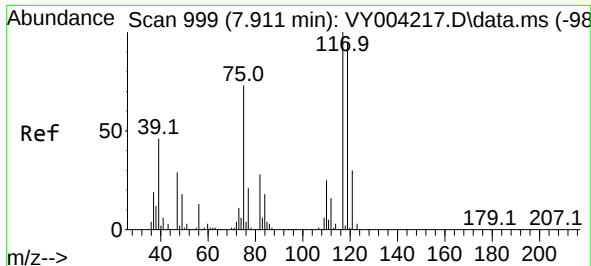
Delta R.T. -0.079 min

Lab File: VY004262.D

Acq: 02 Apr 2021 15:02

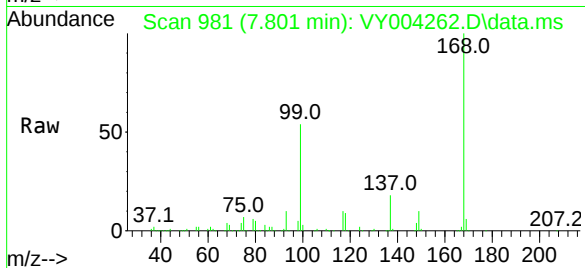
Tgt Ion: 43	Resp: 7927
Ion Ratio	Lower Upper
43 100	
61 0.0	10.2 15.2#
70 0.0	8.0 12.0#



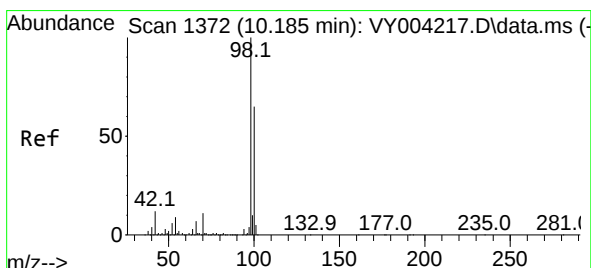
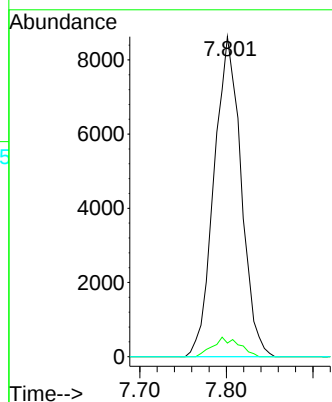
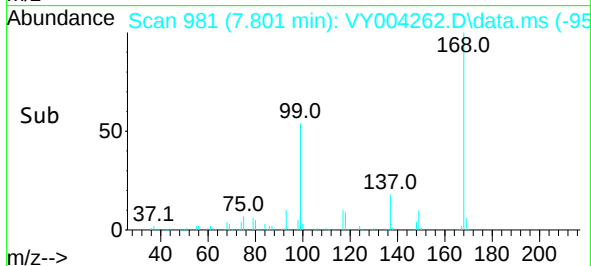


#38
Carbon Tetrachloride
Concen: 7.04 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

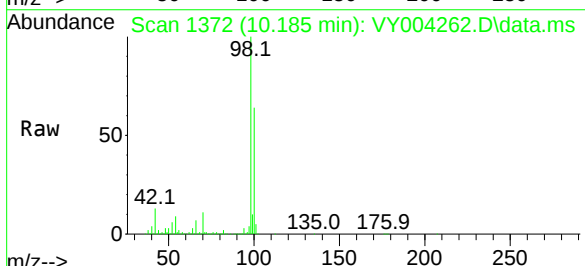
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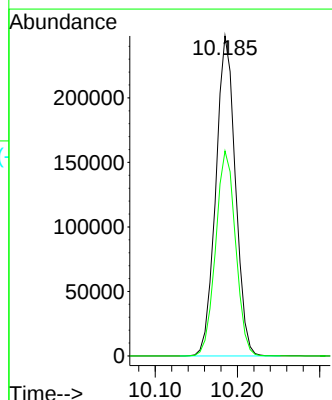
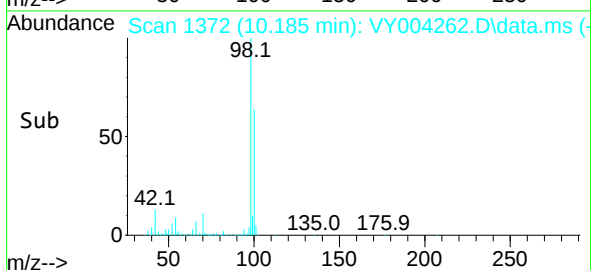
Tgt Ion:117 Resp: 18714
Ion Ratio Lower Upper
117 100
119 4.2 75.6 113.4#
121 0.0 24.3 36.5#

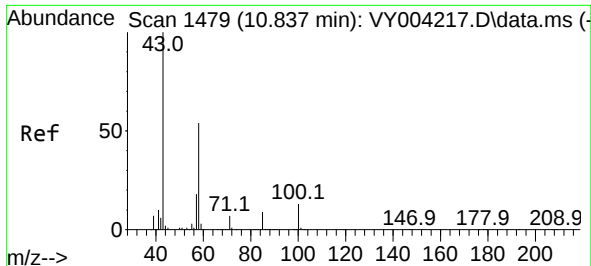


#50
Toluene-d8
Concen: 58.40 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02



Tgt Ion: 98 Resp: 410023
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

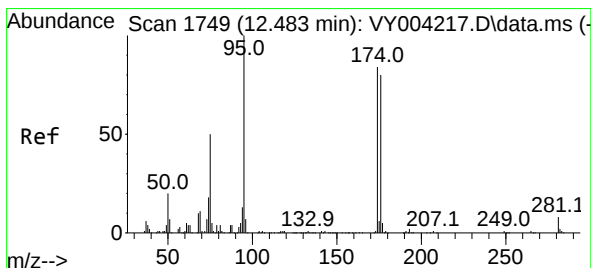
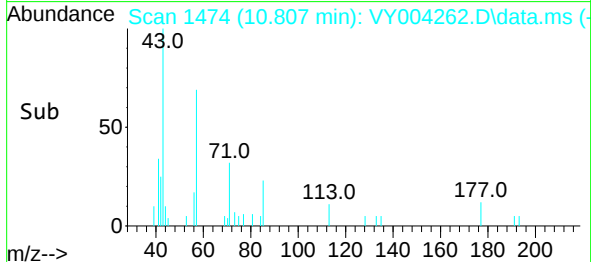
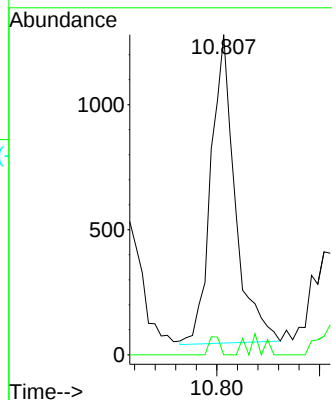
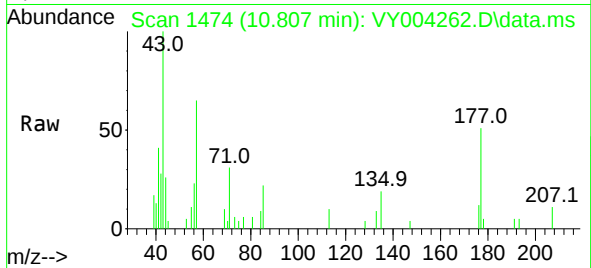




#59
2-Hexanone
Concen: 1.70 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

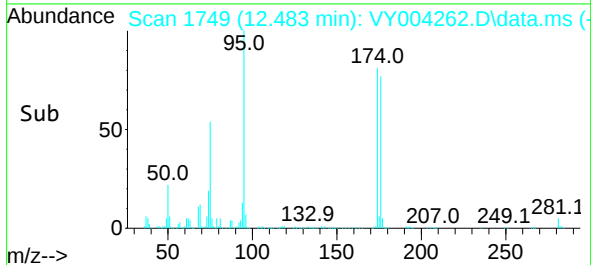
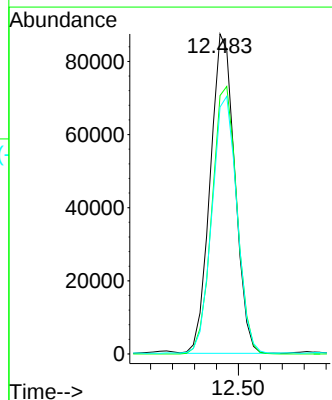
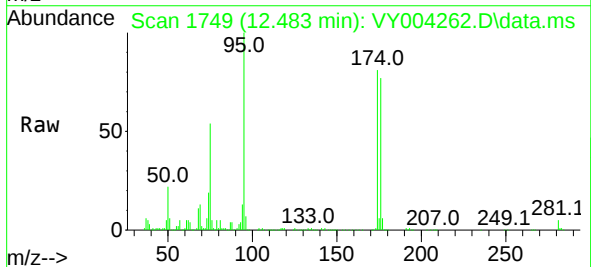
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

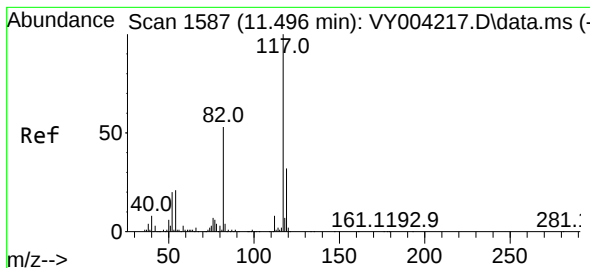
Tgt Ion: 43 Resp: 2019
Ion Ratio Lower Upper
43 100
58 2.6 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 56.46 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion: 95 Resp: 135856
Ion Ratio Lower Upper
95 100
174 85.0 0.0 171.4
176 81.8 0.0 165.6

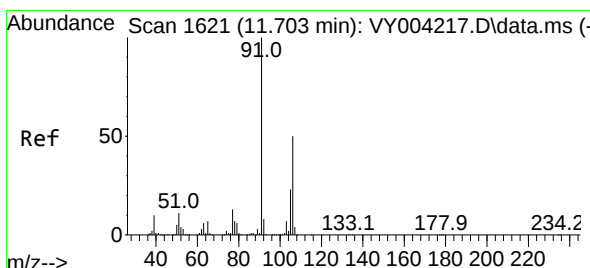
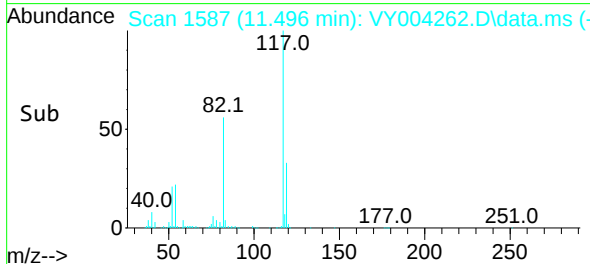
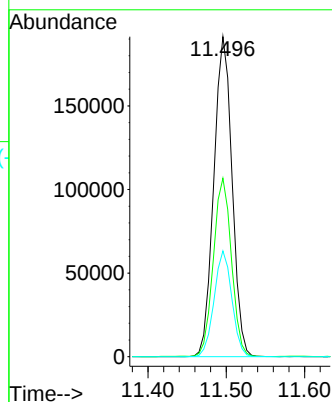
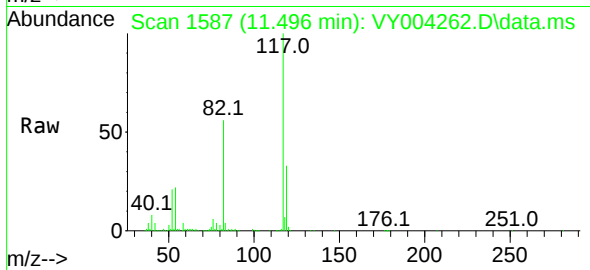




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

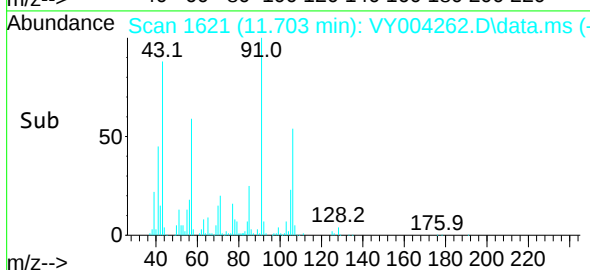
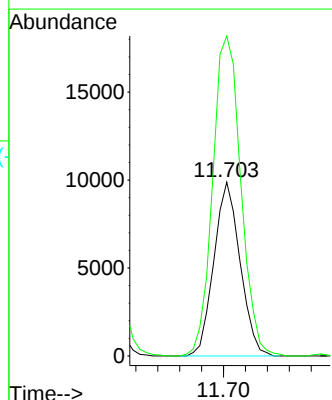
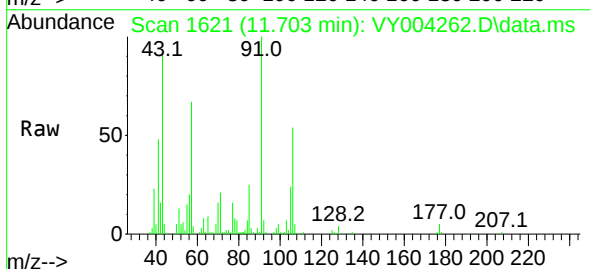
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

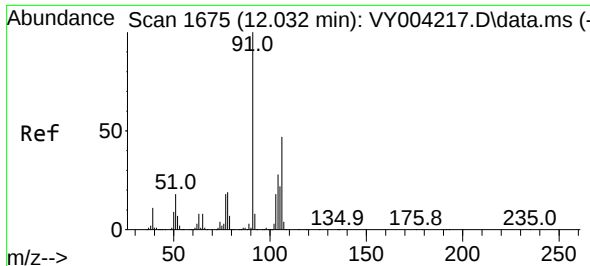
Tgt Ion:117 Resp: 310582
Ion Ratio Lower Upper
117 100
82 55.7 42.7 64.1
119 33.0 25.7 38.5



#68
m/p-Xylenes
Concen: 3.80 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion:106 Resp: 16407
Ion Ratio Lower Upper
106 100
91 197.8 159.8 239.6

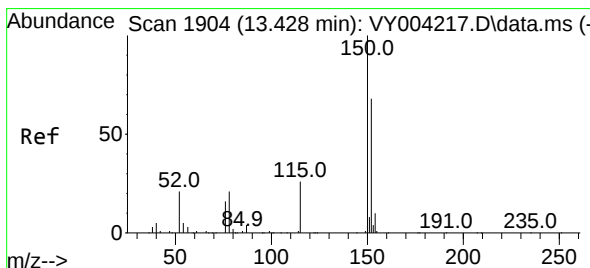
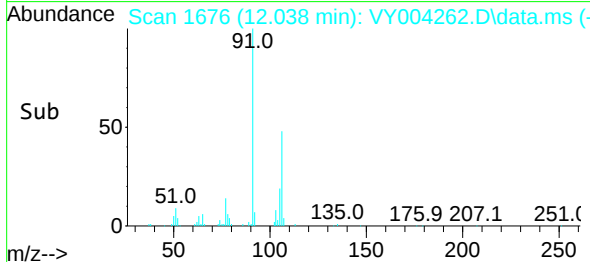
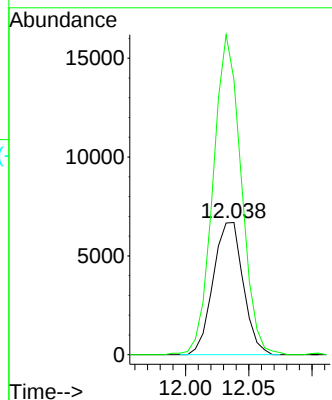
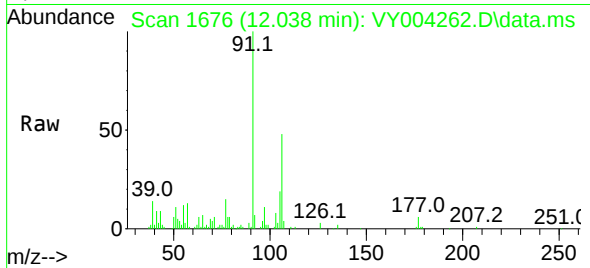




#69
o-Xylene
Concen: 2.73 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

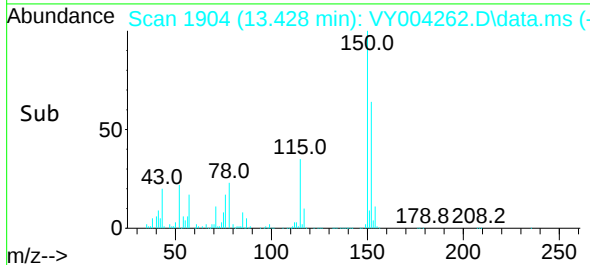
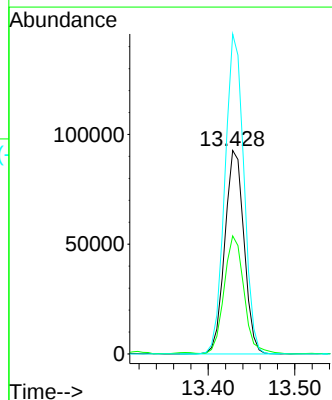
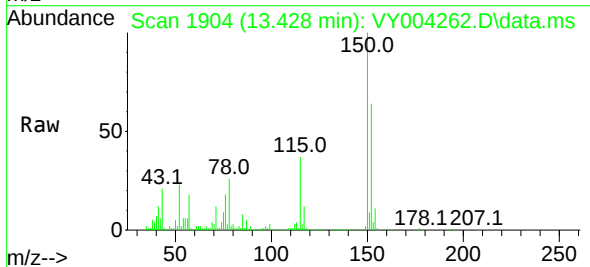
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

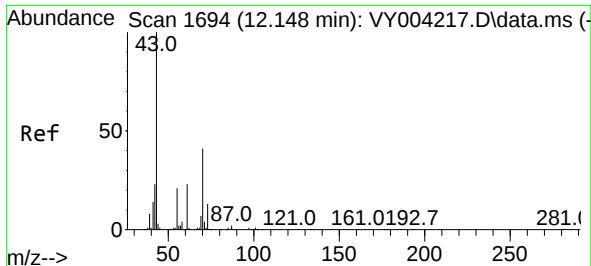
Tgt Ion:106 Resp: 11017
Ion Ratio Lower Upper
106 100
91 226.7 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion:152 Resp: 142919
Ion Ratio Lower Upper
152 100
115 59.9 29.0 87.1
150 155.1 0.0 347.4

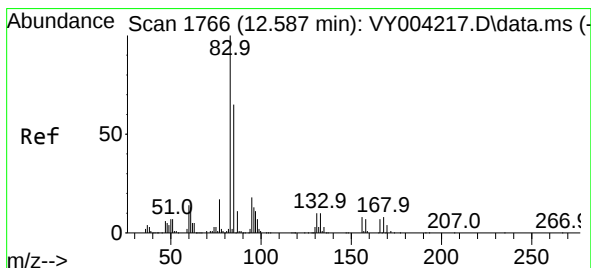
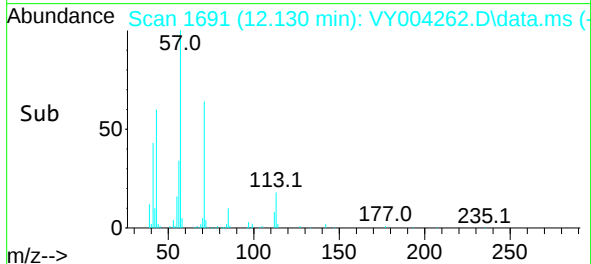
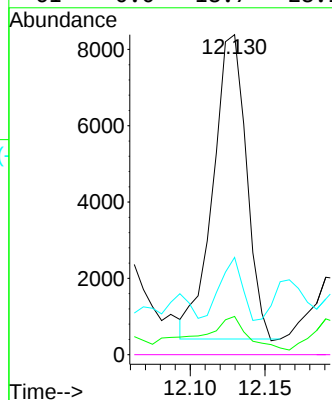
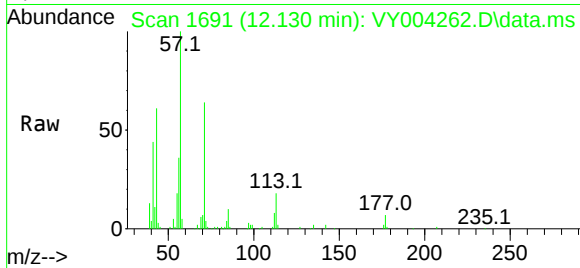




#74
N-amy1 acetate
Concen: 4.04 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.018 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

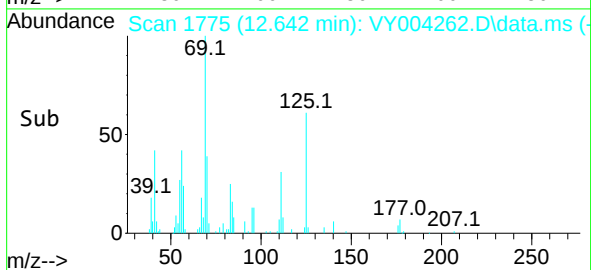
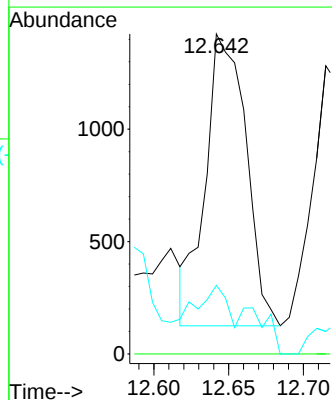
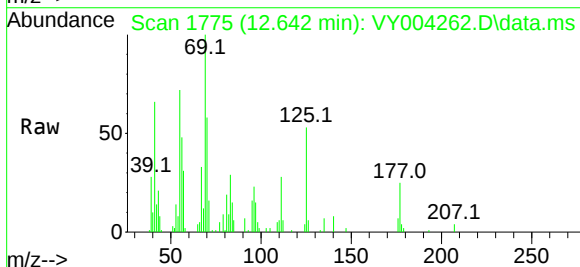
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

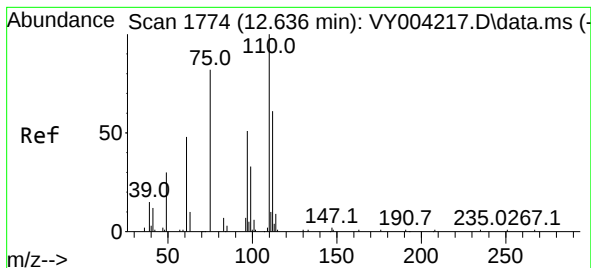
Tgt Ion: 43	Resp: 12339
Ion Ratio	Lower Upper
43 100	
70 15.9	32.6 49.0#
55 13.6	18.0 27.0#
61 0.0	18.7 28.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.27 ug/l
RT: 12.642 min Scan# 1775
Delta R.T. 0.055 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion: 83	Resp: 2460
Ion Ratio	Lower Upper
83 100	
131 0.0	5.6 16.8#
85 0.0	31.8 95.4#

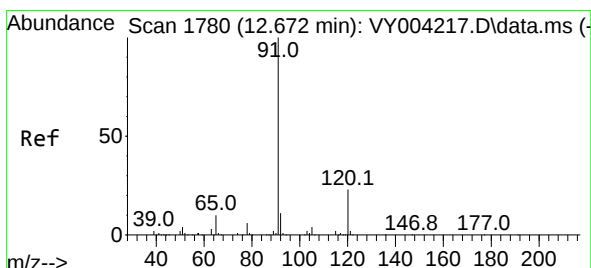
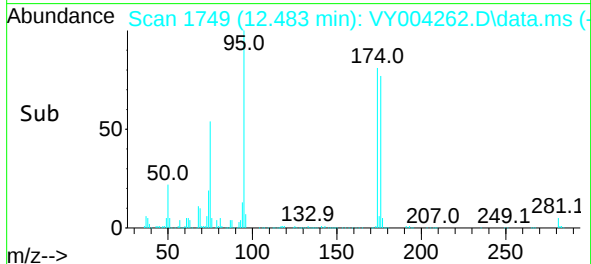
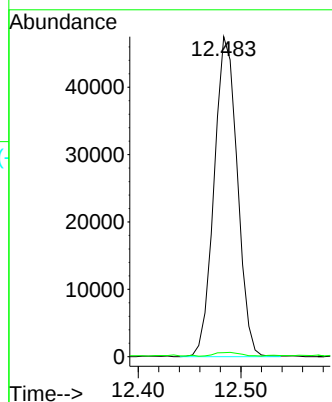
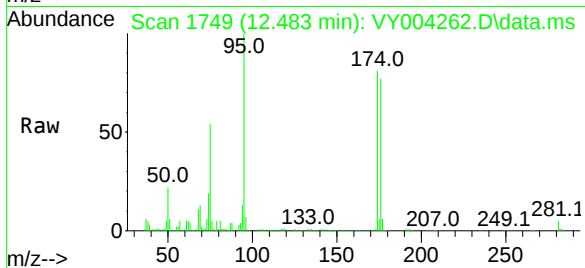




#76
1,2,3-Trichloropropane
Concen: 57.39 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

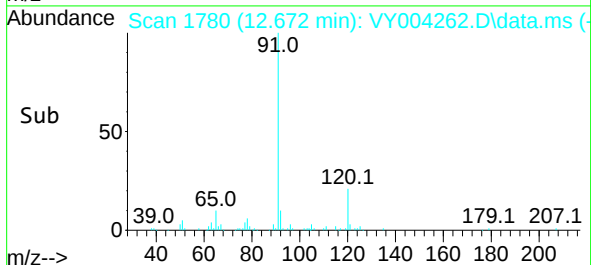
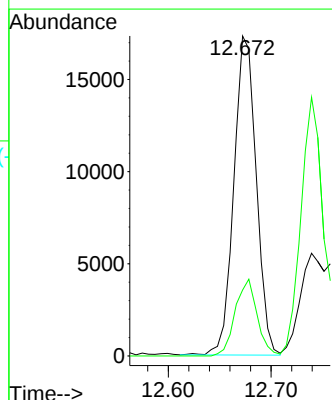
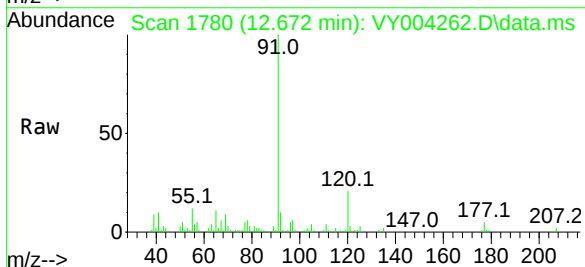
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

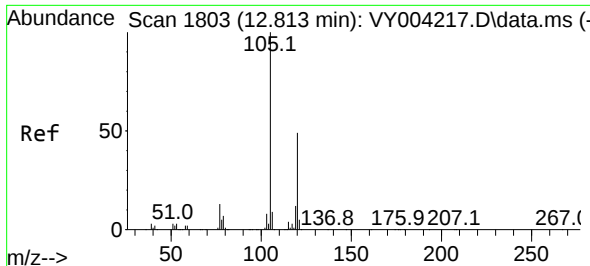
Tgt Ion: 75 Resp: 74482
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#78
n-propylbenzene
Concen: 2.17 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion: 91 Resp: 26239
Ion Ratio Lower Upper
91 100
120 23.6 11.9 35.5

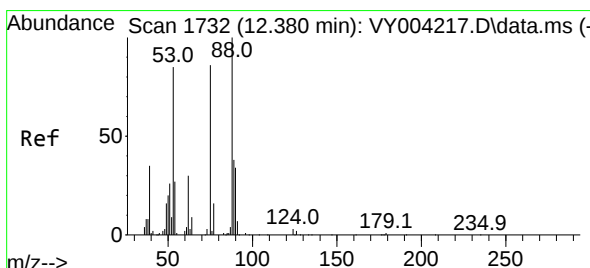
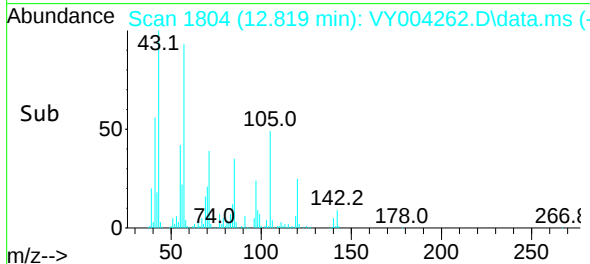
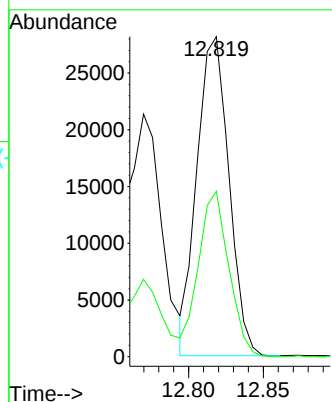
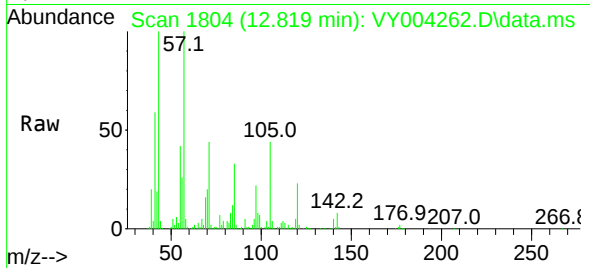




#80
1,3,5-Trimethylbenzene
Concen: 4.90 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

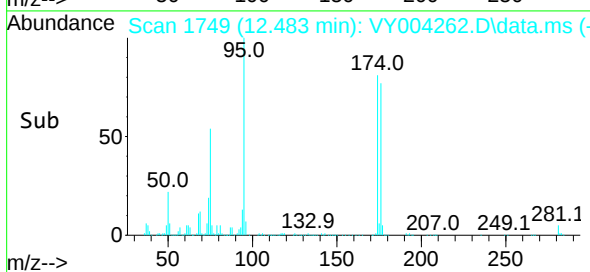
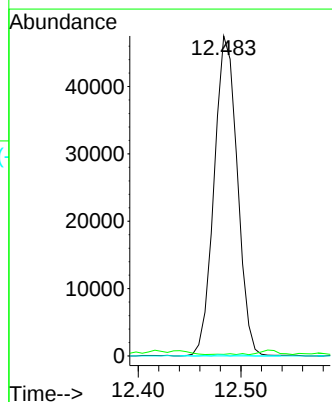
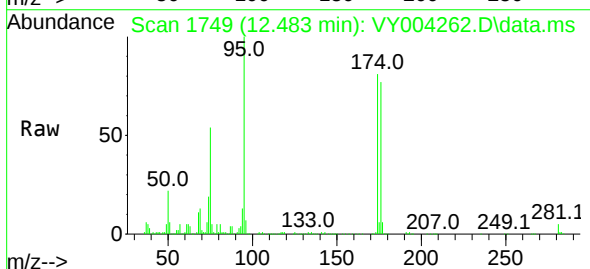
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

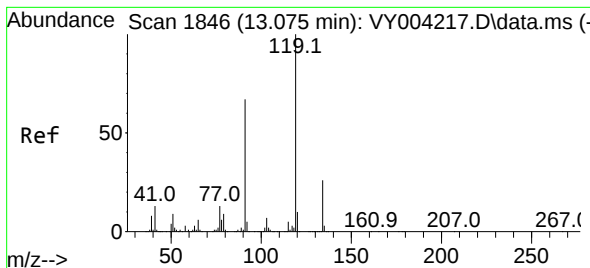
Tgt Ion:105 Resp: 41756
Ion Ratio Lower Upper
105 100
120 49.4 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 105.77 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion: 75 Resp: 74482
Ion Ratio Lower Upper
75 100
53 0.1 79.3 118.9#
89 0.2 39.4 59.2#

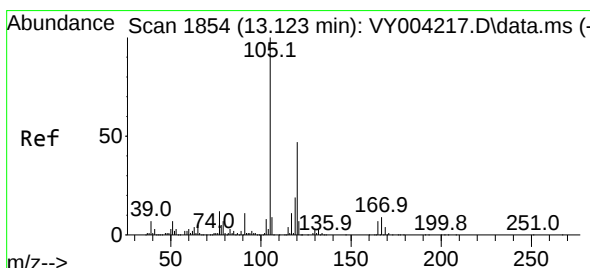
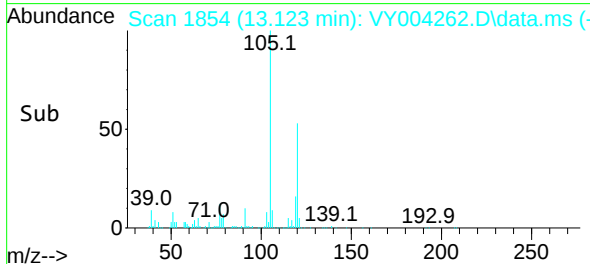
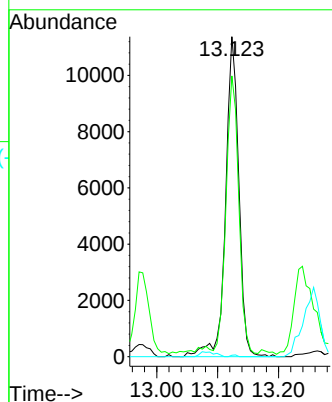
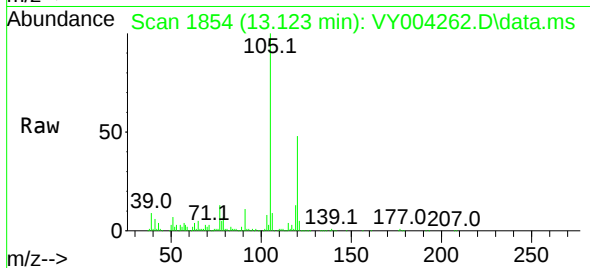




#83
tert-Butylbenzene
Concen: 2.34 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.049 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

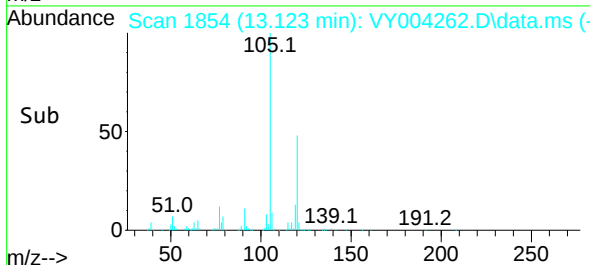
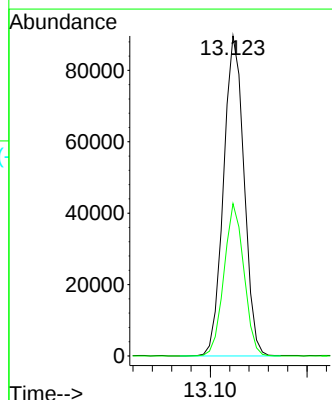
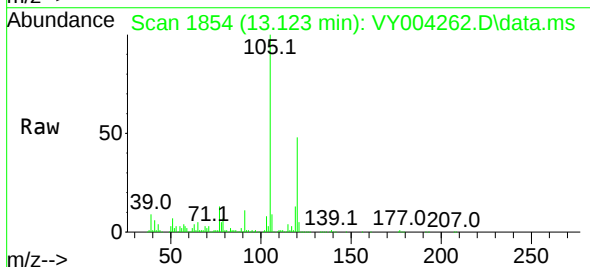
Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

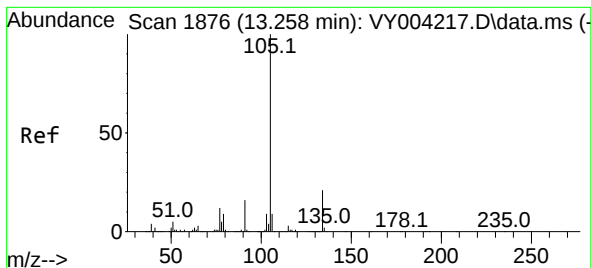
Tgt Ion:119 Resp: 17211
Ion Ratio Lower Upper
119 100
91 83.1 33.1 99.2
134 0.0 13.6 40.8#



#84
1,2,4-Trimethylbenzene
Concen: 15.43 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion:105 Resp: 131826
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.7

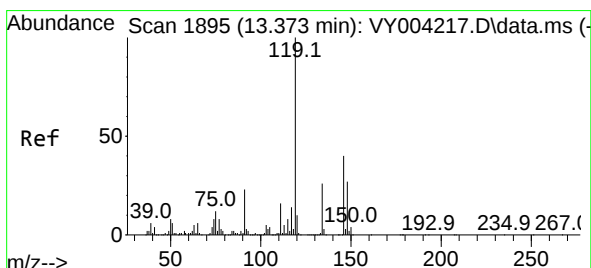
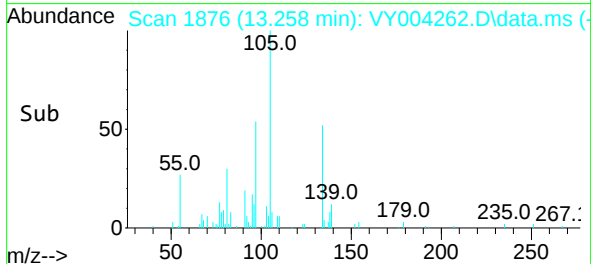
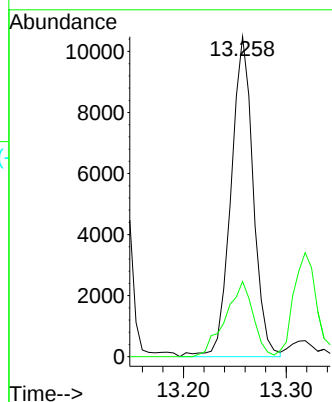
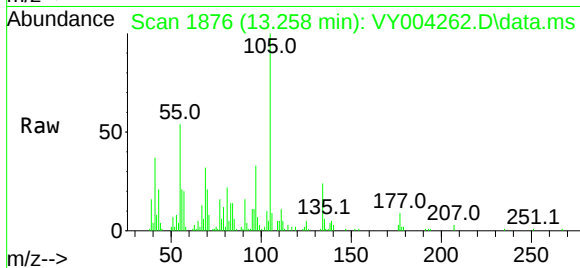




#85
 sec-Butylbenzene
 Concen: 1.55 ug/l
 RT: 13.258 min Scan# 1876
 Delta R.T. -0.000 min
 Lab File: VY004262.D
 Acq: 02 Apr 2021 15:02

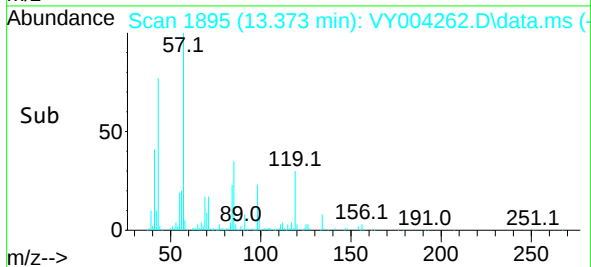
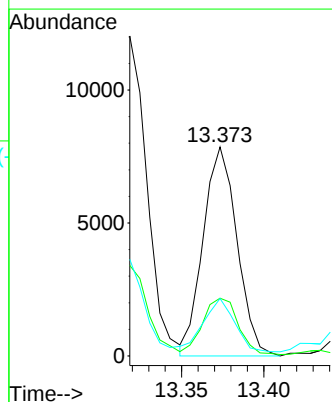
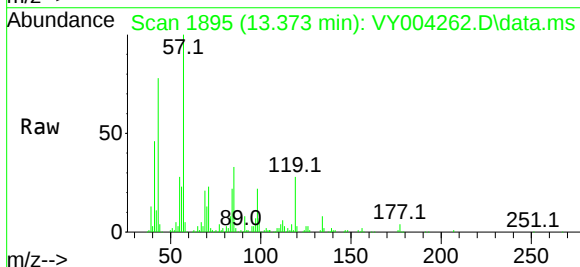
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6S1-(0-2)

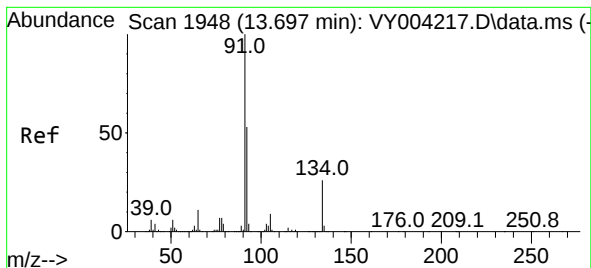
Tgt Ion:105 Resp: 15752
 Ion Ratio Lower Upper
 105 100
 134 29.4 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 1.20 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.000 min
 Lab File: VY004262.D
 Acq: 02 Apr 2021 15:02

Tgt Ion:119 Resp: 11275
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.3 39.9
 91 23.8 12.0 36.0

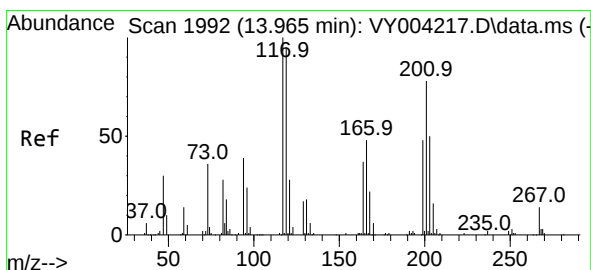
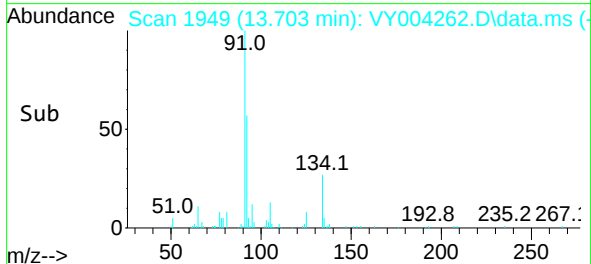
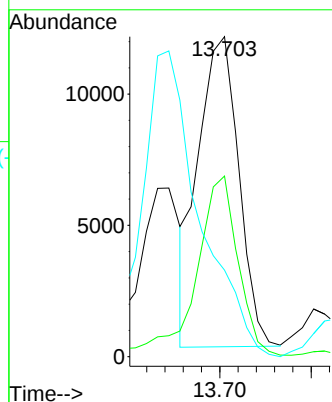
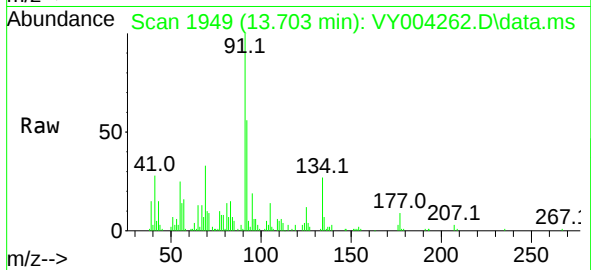




#89
n-Butylbenzene
Concen: 2.10 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-6S1-(0-2)

Tgt Ion: 91 Resp: 18183
Ion Ratio Lower Upper
91 100
92 58.6 26.5 79.4
134 0.0 13.6 40.7#



#90
Hexachloroethane
Concen: 11.40 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004262.D
Acq: 02 Apr 2021 15:02

Tgt Ion: 117 Resp: 4027
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

