

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004265.D
 Acq On : 02 Apr 2021 16:12
 Operator : SY/MD
 Sample : M1909-01
 Misc : 6.48g/5mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-10-5-10

Quant Time: Apr 02 23:01:38 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)

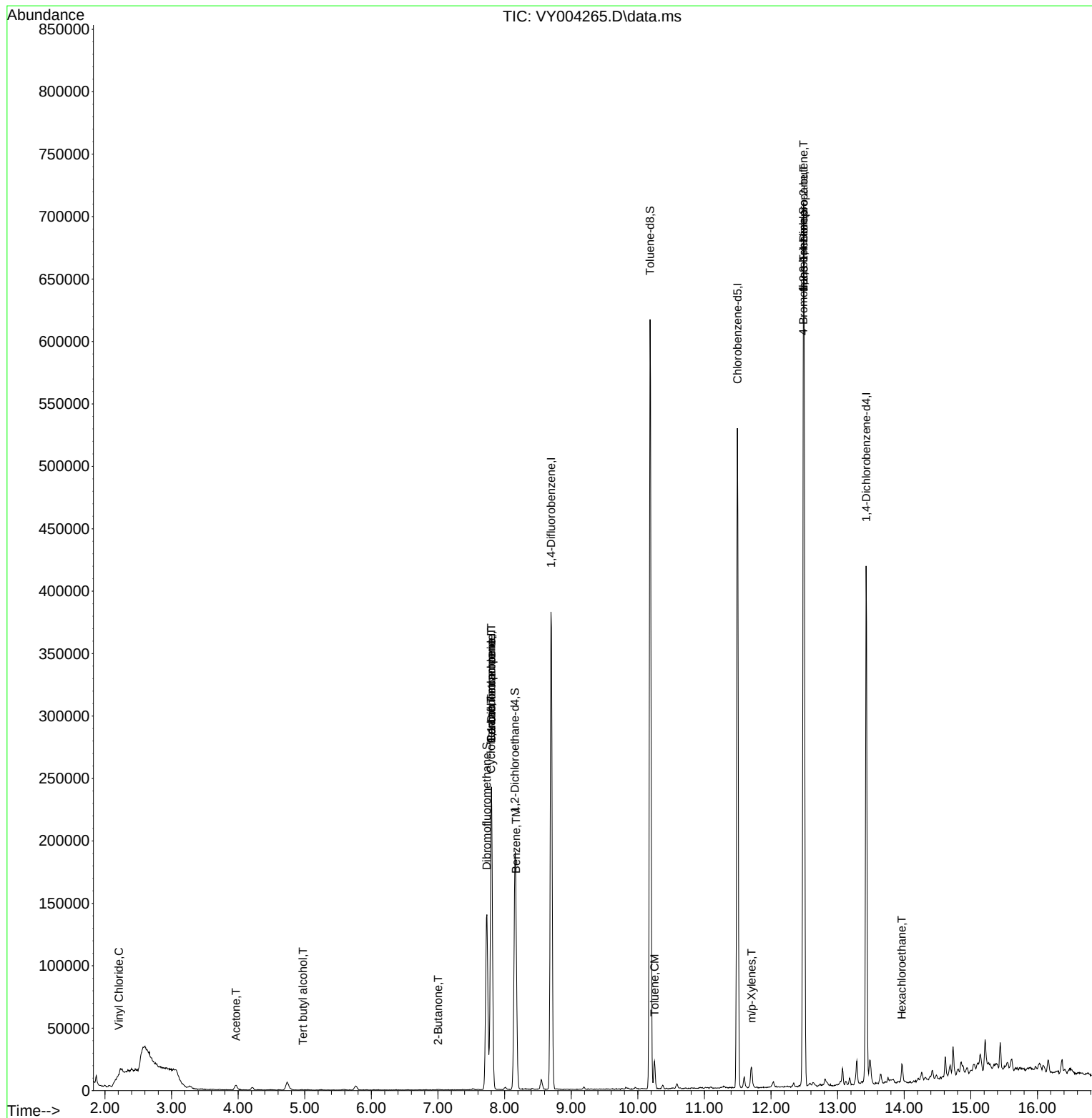
Internal Standards						
1) Pentafluorobenzene	7.801	168	185724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	317097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	276298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98553	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	114471	64.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.24%			
35) Dibromofluoromethane	7.734	113	98266	55.62	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.24%			
50) Toluene-d8	10.185	98	384525	57.86	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.72%			
62) 4-Bromofluorobenzene	12.483	95	114206	50.14	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.28%			
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.210	62	5324	2.20	ug/l #	42
11) Tert butyl alcohol	4.972	59	442	3.04	ug/l #	71
13) Acrolein	3.753	56	81	Below Cal	#	50
16) Acetone	3.966	43	6822	18.34	ug/l	92
20) Methylene Chloride	4.728	84	4550	Below Cal		98
25) 2-Butanone	7.002	43	915	1.47	ug/l	96
31) Cyclohexane	7.795	56	4307	1.36	ug/l #	35
36) 1,1-Dichloropropene	7.801	75	14644	5.06	ug/l #	49
38) Carbon Tetrachloride	7.801	117	18160	7.21	ug/l #	16
40) Benzene	8.173	78	73303	8.93	ug/l	98
49) 1,4-Dioxane	9.313	88	157	Below Cal	#	75
52) Toluene	10.252	92	8613	1.63	ug/l	100
68) m/p-Xylenes	11.709	106	4816	1.25	ug/l	100
76) 1,2,3-Trichloropropane	12.489	75	64389	71.95	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	64389	132.61	ug/l #	11
90) Hexachloroethane	13.964	117	32	7.33	ug/l #	12

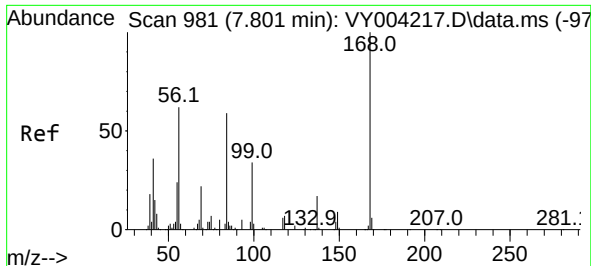
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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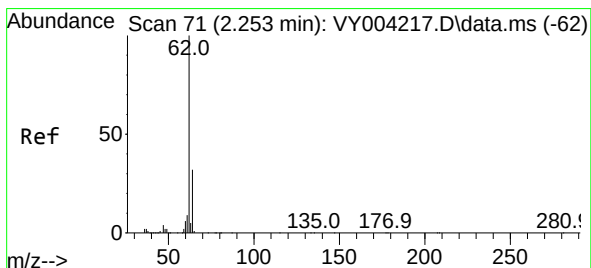
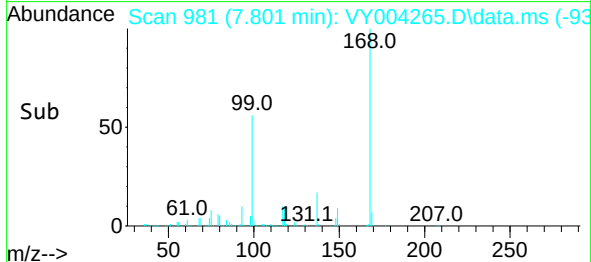
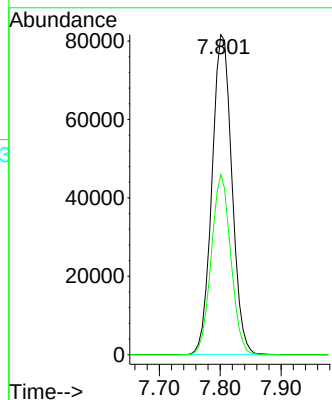
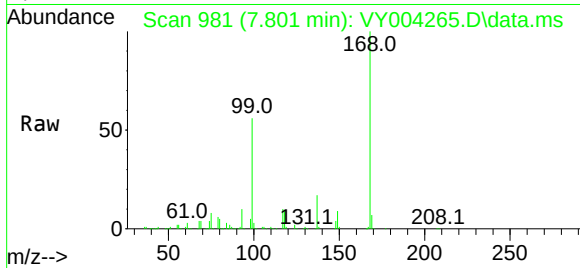




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

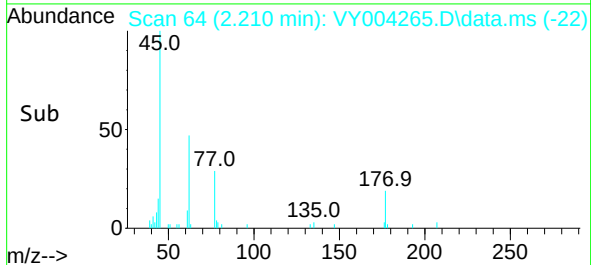
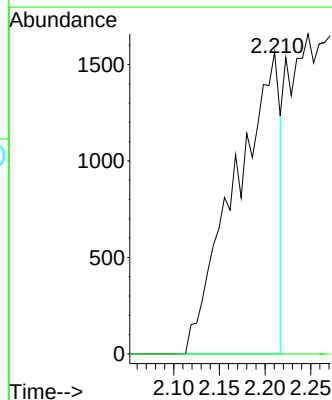
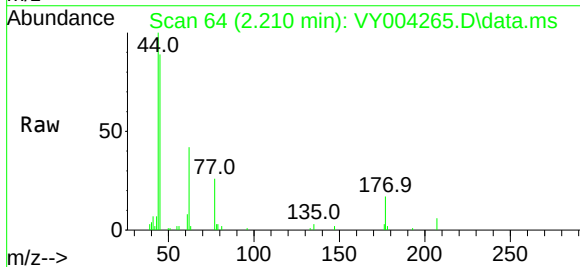
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-10-5-10

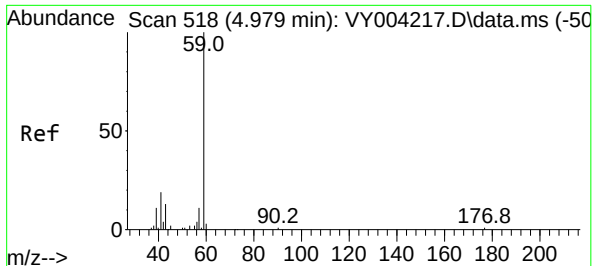
Tgt Ion:168 Resp: 185724
Ion Ratio Lower Upper
168 100
99 56.3 42.6 64.0



#4
Vinyl Chloride
Concen: 2.20 ug/l
RT: 2.210 min Scan# 64
Delta R.T. -0.043 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Tgt Ion: 62 Resp: 5324
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



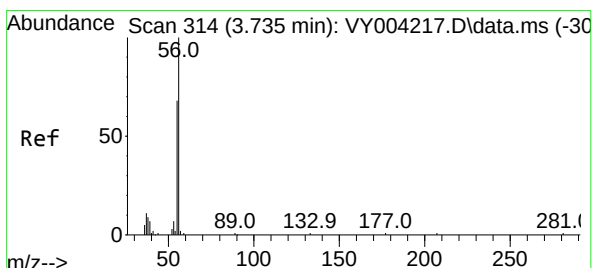
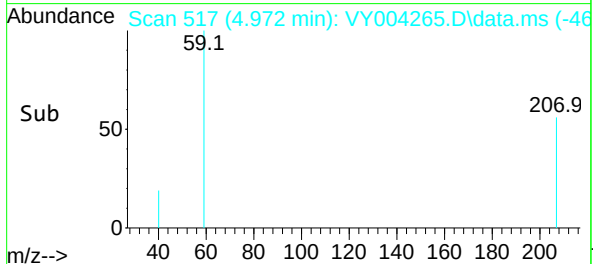
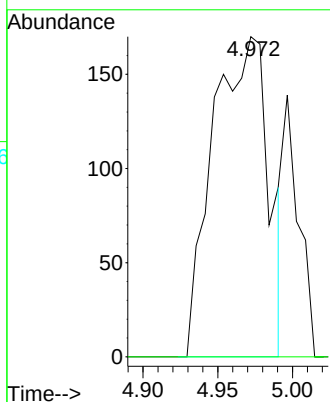
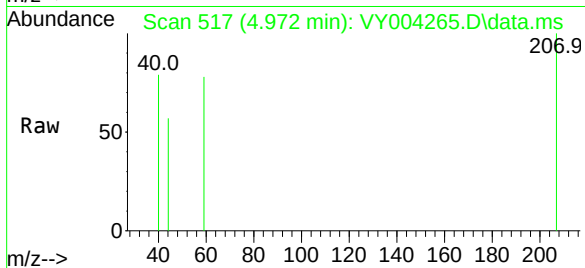


#11

Tert butyl alcohol
Concen: 3.04 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-10-5-10

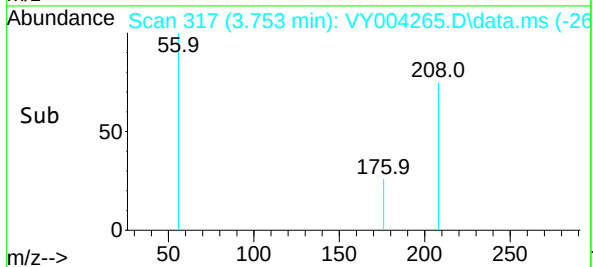
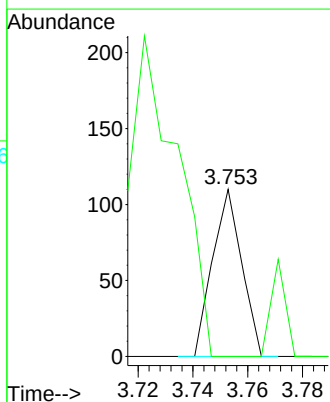
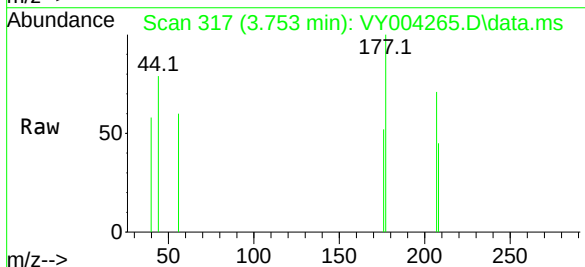
Tgt Ion: 59 Resp: 442
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

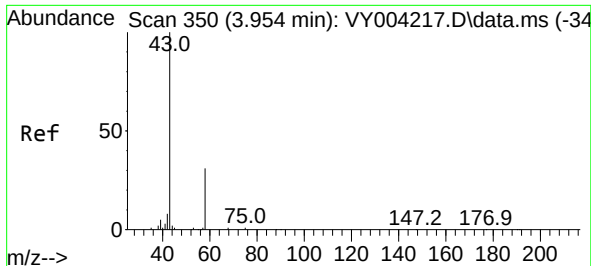


#13

Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 317
Delta R.T. 0.018 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

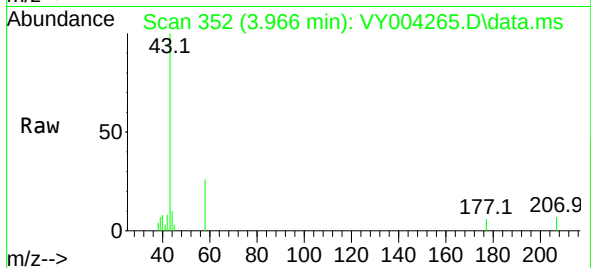
Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 28.4 55.0 82.4#



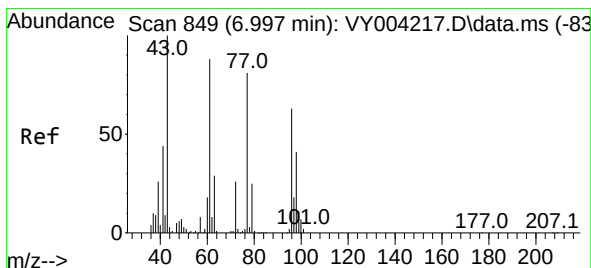
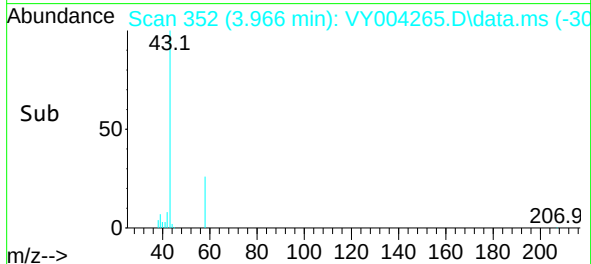
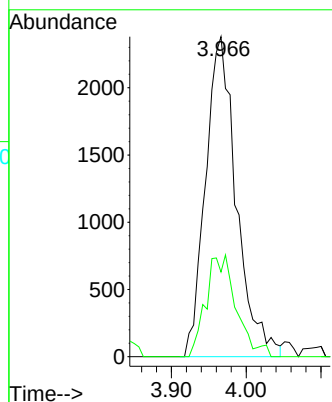


#16
Acetone
Concen: 18.34 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Instrument :
MSVOA_Y
ClientSampled :
FS-SB-10-5-10

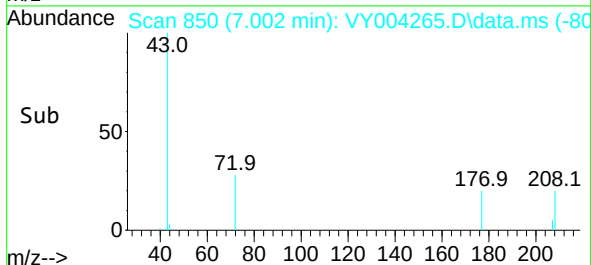
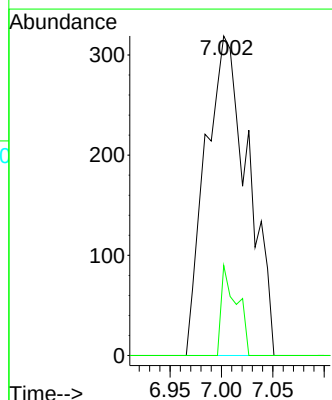
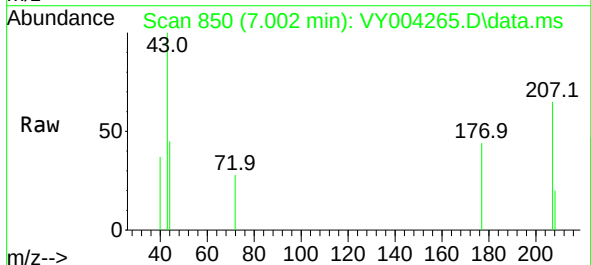


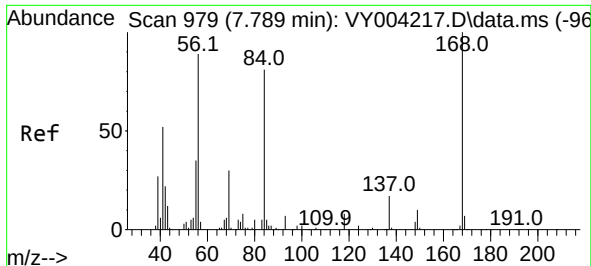
Tgt Ion: 43 Resp: 6822
Ion Ratio Lower Upper
43 100
58 26.5 24.5 36.7



#25
2-Butanone
Concen: 1.47 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

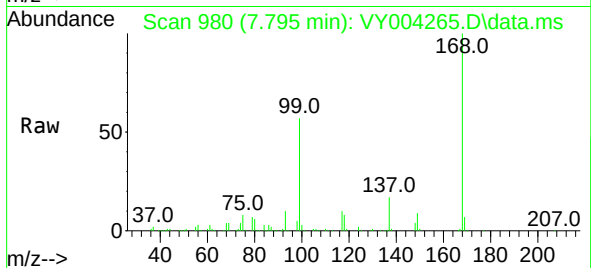
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
72 28.2 21.0 31.6



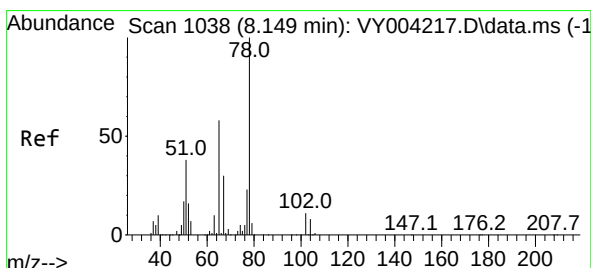
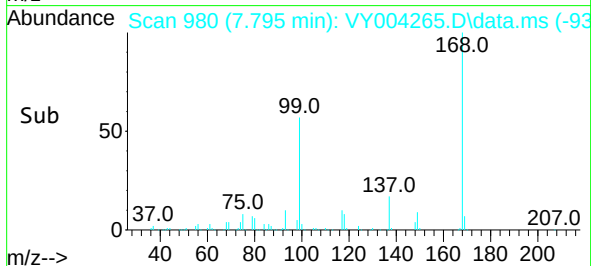
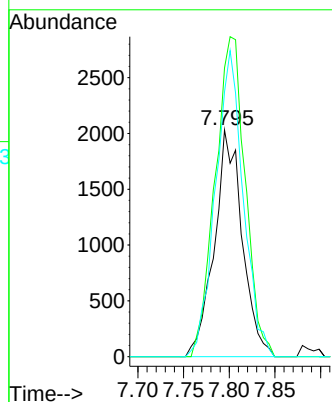


#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-10-5-10

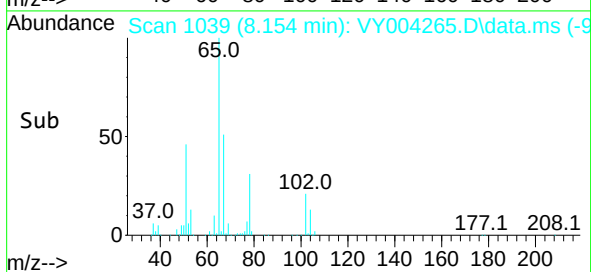
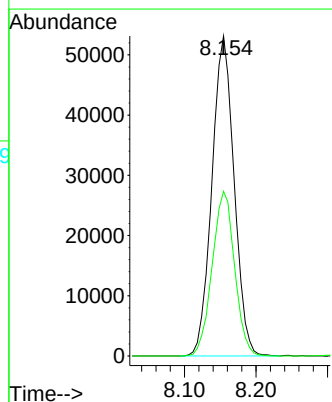
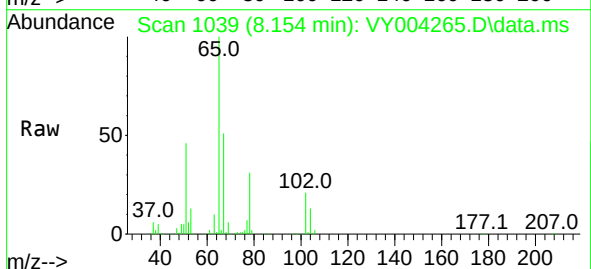


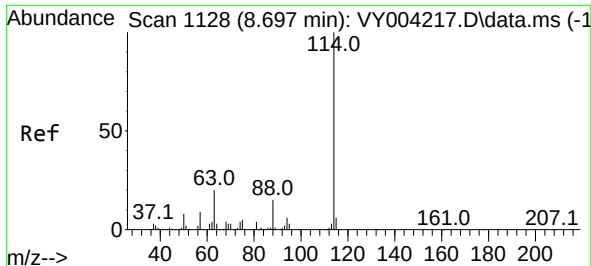
Tgt Ion: 56 Resp: 4307
Ion Ratio Lower Upper
56 100
69 127.4 26.6 40.0#
84 116.7 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 64.12 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Tgt Ion: 65 Resp: 114471
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.2

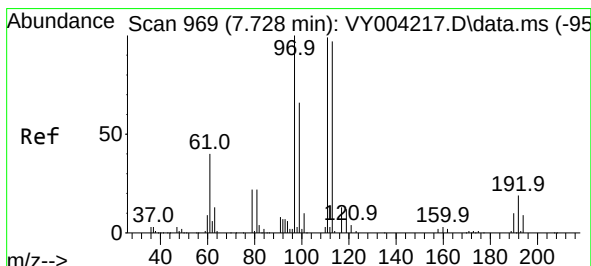
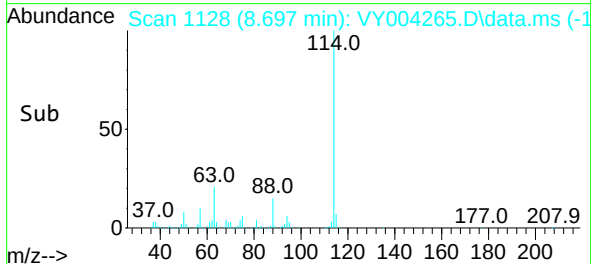
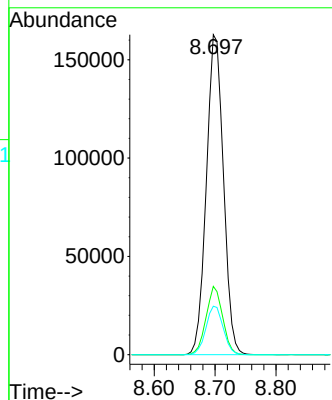
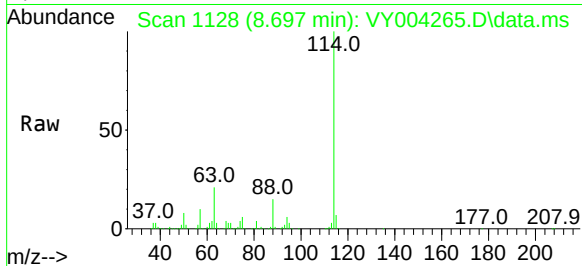




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

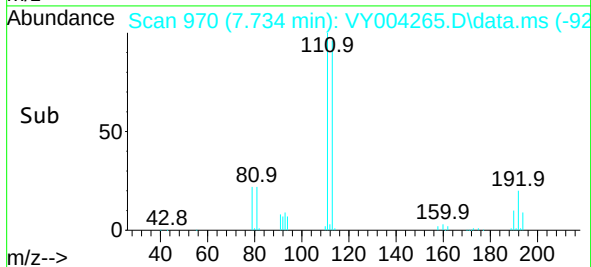
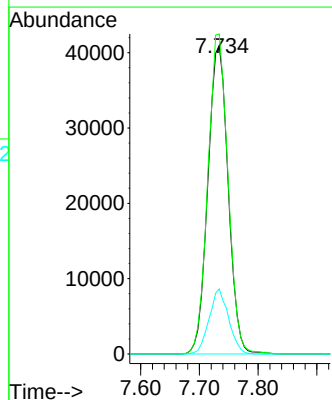
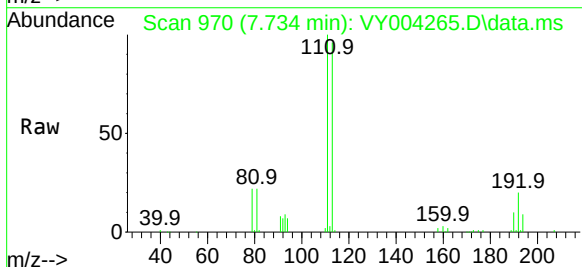
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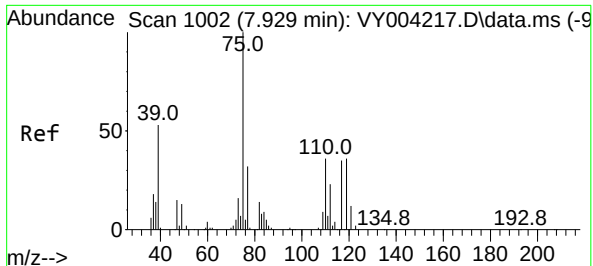
Tgt Ion:	114	Resp:	317097
Ion Ratio	Lower	Upper	
114	100		
63	21.3	0.0	40.4
88	15.2	0.0	30.8



#35
Dibromofluoromethane
Concen: 55.62 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Tgt Ion:	113	Resp:	98266
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.6	124.0
192	20.1	16.4	24.6

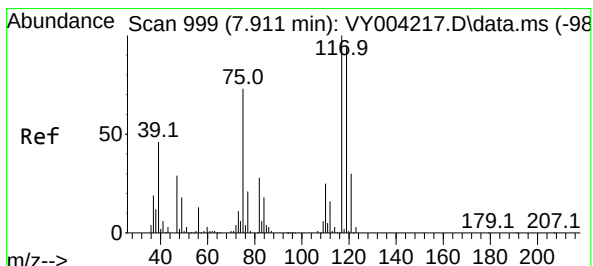
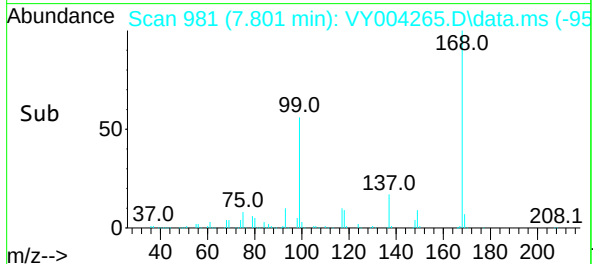
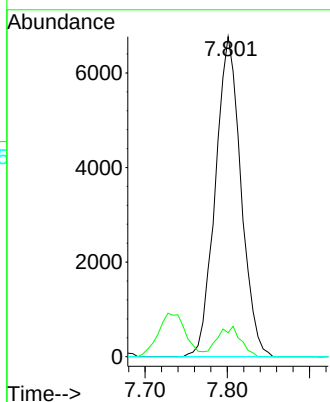
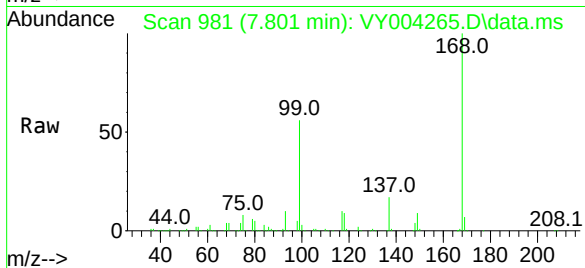




#36
1,1-Dichloropropene
Concen: 5.06 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

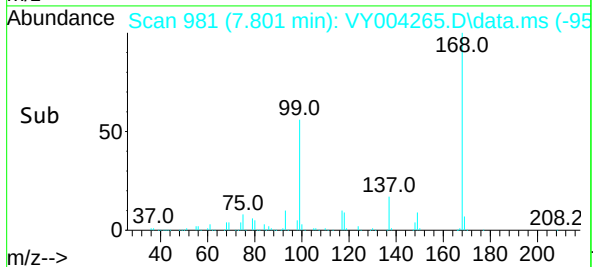
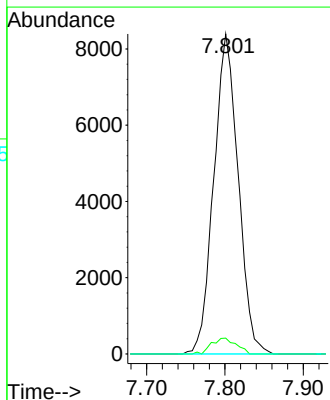
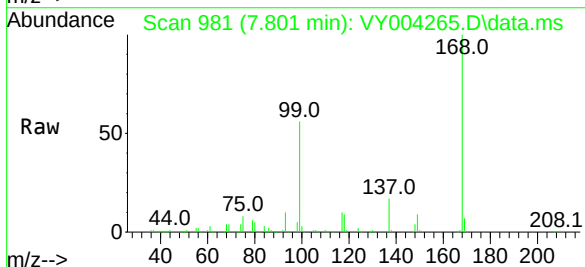
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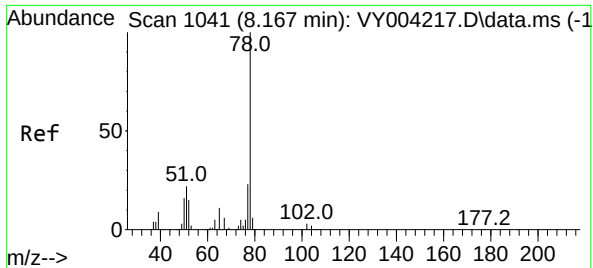
Tgt Ion: 75	Resp: 14644
Ion Ratio	Lower Upper
75 100	
110 8.7	18.1 54.3#
77 0.0	25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.21 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Tgt Ion: 117	Resp: 18160
Ion Ratio	Lower Upper
117 100	
119 5.0	75.6 113.4#
121 0.0	24.3 36.5#

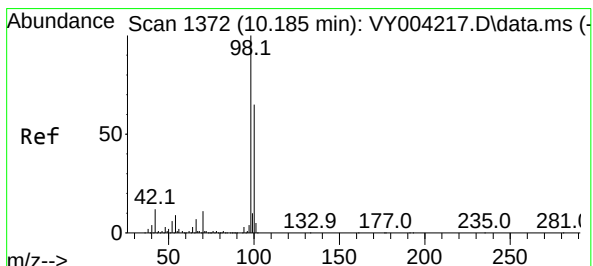
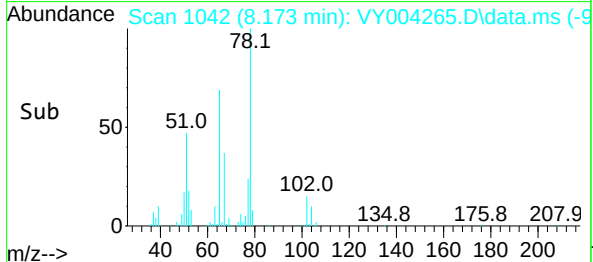
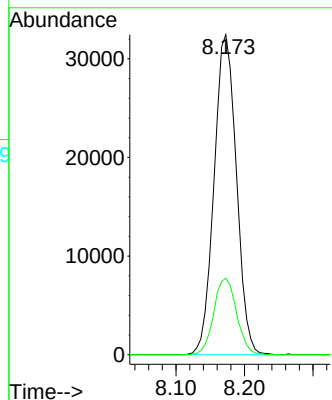
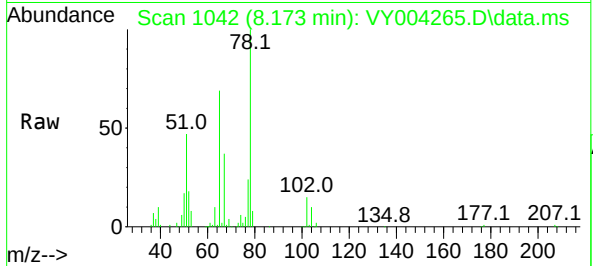




#40
Benzene
Concen: 8.93 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

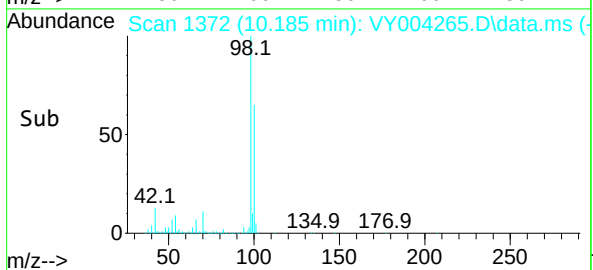
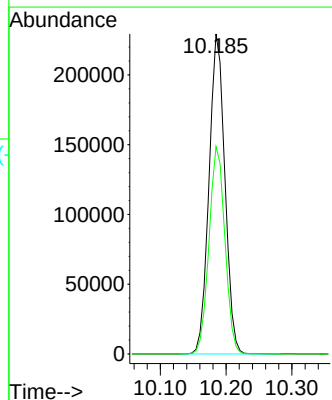
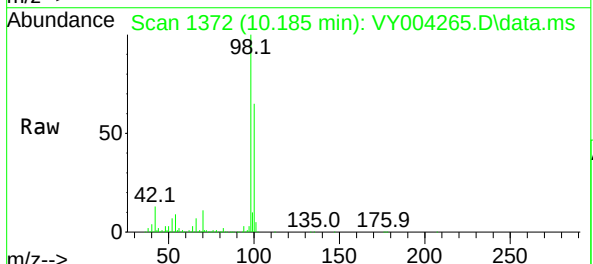
Instrument :
MSVOA_Y
ClientSampled :
FS-SB-10-5-10

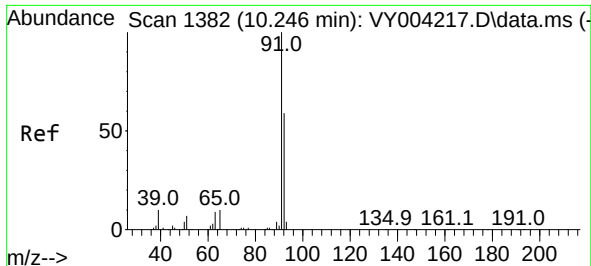
Tgt Ion: 78 Resp: 73303
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5



#50
Toluene-d8
Concen: 57.86 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Tgt Ion: 98 Resp: 384525
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

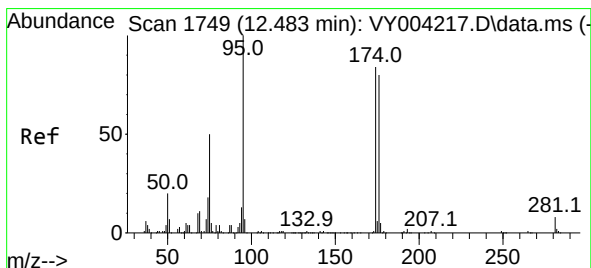
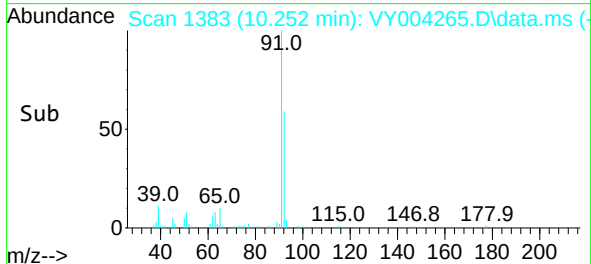
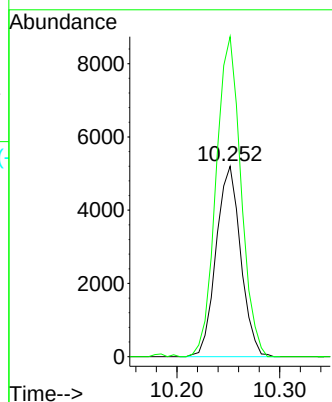
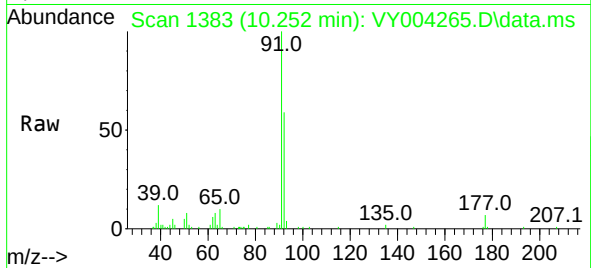




#52
Toluene
Concen: 1.63 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

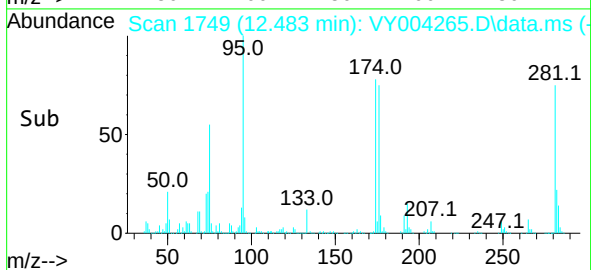
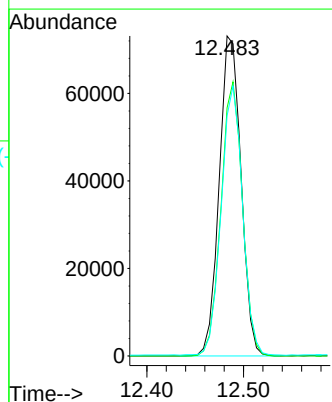
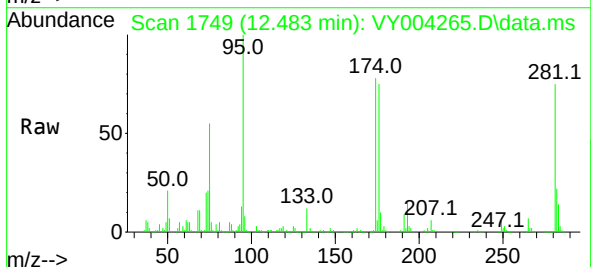
Instrument :
MSVOA_Y
ClientSampled :
FS-SB-10-5-10

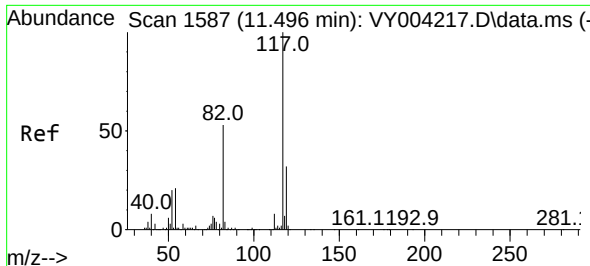
Tgt Ion: 92 Resp: 8613
Ion Ratio Lower Upper
92 100
91 170.6 136.0 204.0



#62
4-Bromofluorobenzene
Concen: 50.14 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Tgt Ion: 95 Resp: 114206
Ion Ratio Lower Upper
95 100
174 84.3 0.0 171.4
176 82.6 0.0 165.6

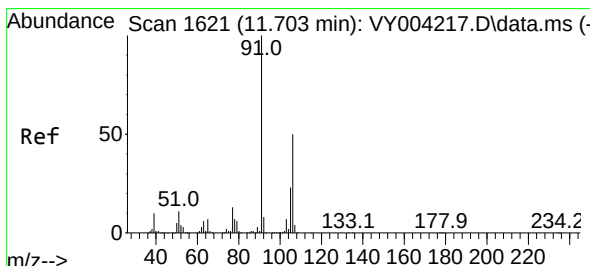
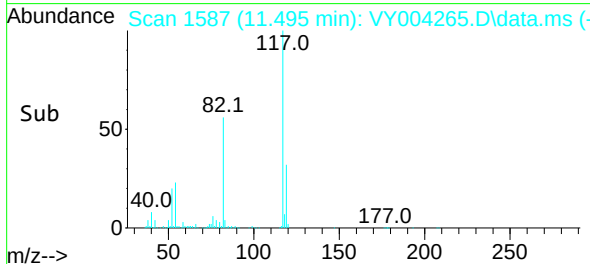
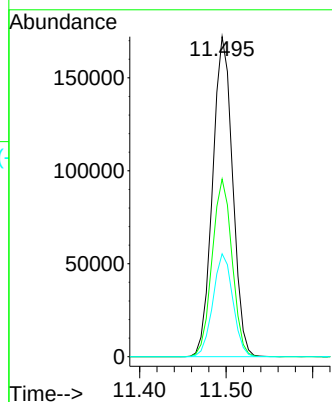
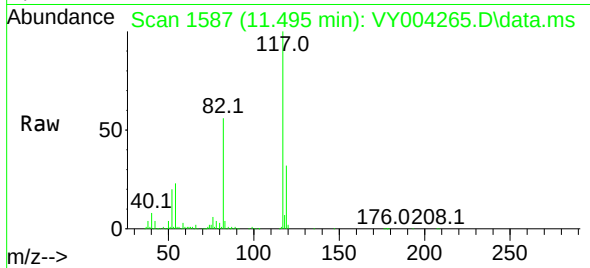




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

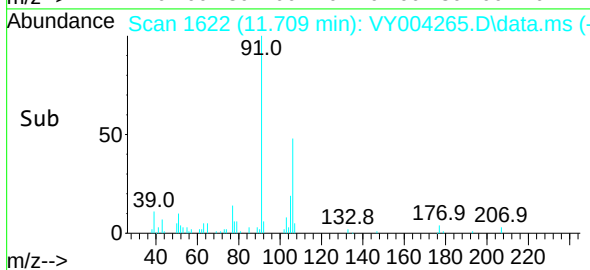
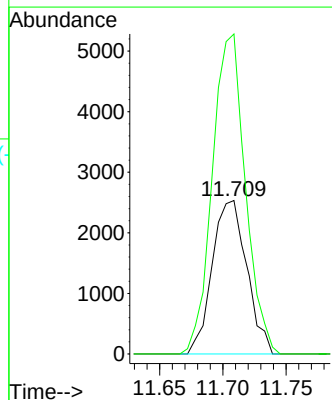
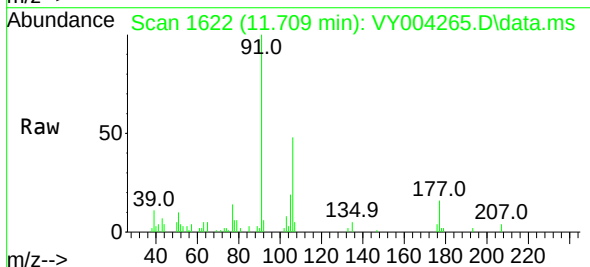
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-10-5-10

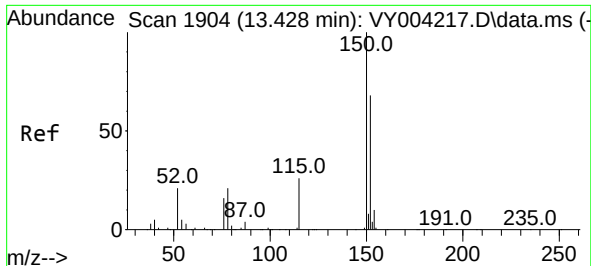
Tgt Ion:117 Resp: 276298
Ion Ratio Lower Upper
117 100
82 55.5 42.7 64.1
119 32.2 25.7 38.5



#68
m/p-Xylenes
Concen: 1.25 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY004265.D
Acq: 02 Apr 2021 16:12

Tgt Ion:106 Resp: 4816
Ion Ratio Lower Upper
106 100
91 199.0 159.8 239.6

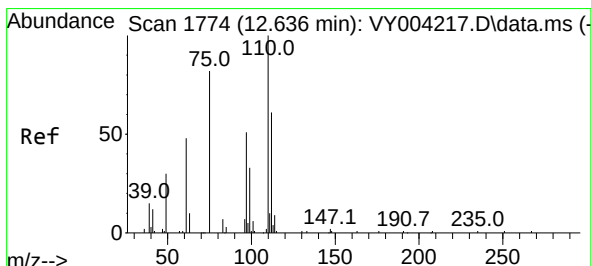
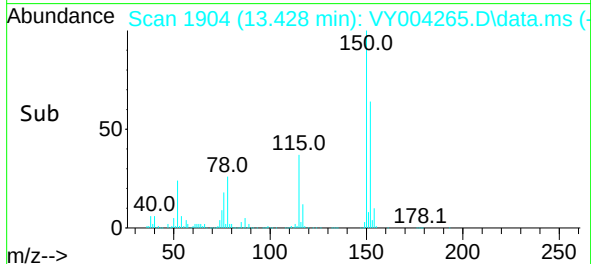
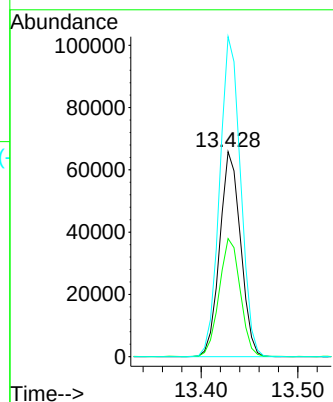
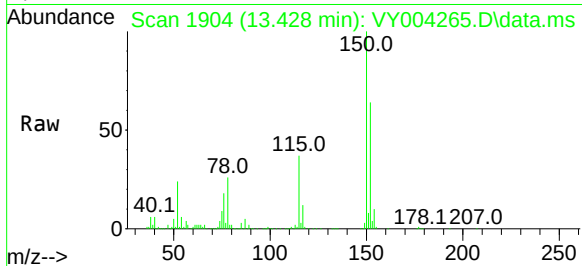




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY004265.D
 Acq: 02 Apr 2021 16:12

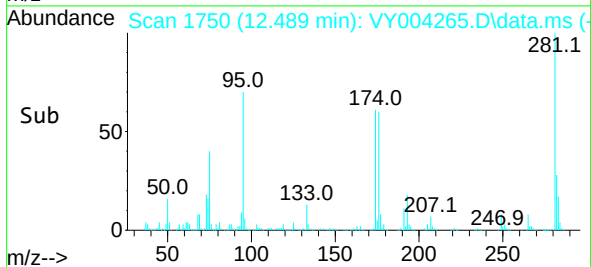
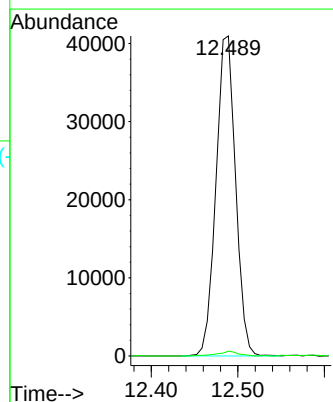
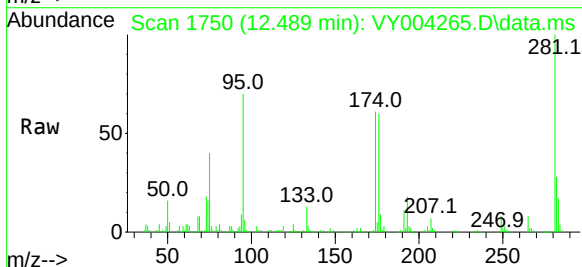
Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-10-5-10

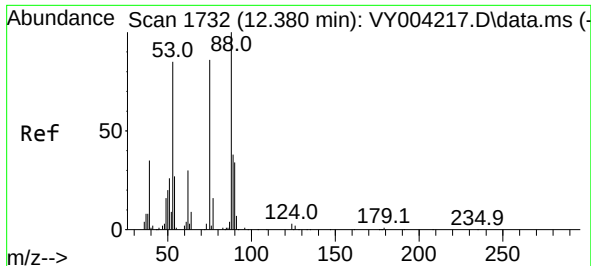
Tgt Ion:152 Resp: 98553
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.0 87.1
 150 156.5 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 71.95 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.147 min
 Lab File: VY004265.D
 Acq: 02 Apr 2021 16:12

Tgt Ion: 75 Resp: 64389
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

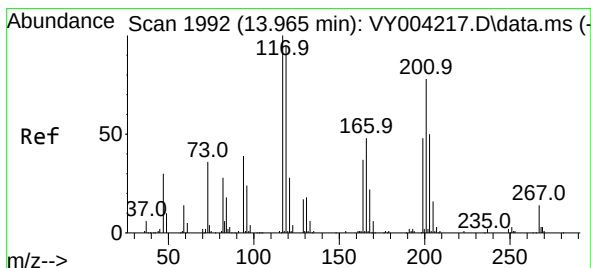
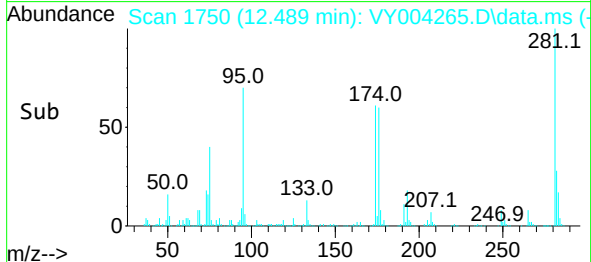
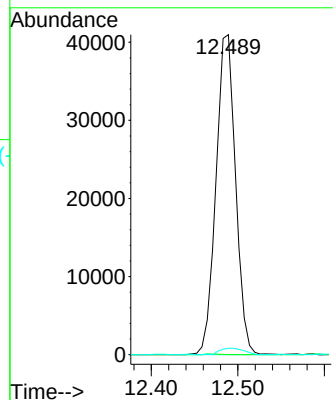
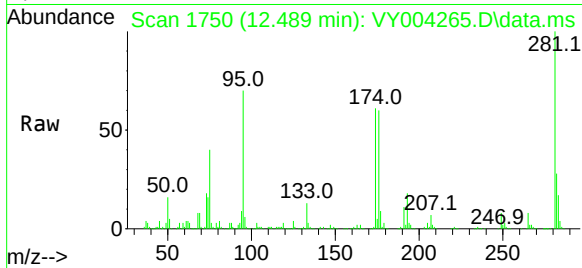




#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.61 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. 0.109 min
 Lab File: VY004265.D
 Acq: 02 Apr 2021 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-10-5-10

Tgt Ion: 75 Resp: 64389
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.3 118.9#
 89 2.5 39.4 59.2#



#90
 Hexachloroethane
 Concen: 7.33 ug/l
 RT: 13.964 min Scan# 1992
 Delta R.T. -0.001 min
 Lab File: VY004265.D
 Acq: 02 Apr 2021 16:12

Tgt Ion: 117 Resp: 32
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#

