

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004259.D
 Acq On : 02 Apr 2021 13:52
 Operator : SY/MD
 Sample : M1888-04
 Misc : 9.63g/5mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3D-(4-10)

Quant Time: Apr 02 22:59:47 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)

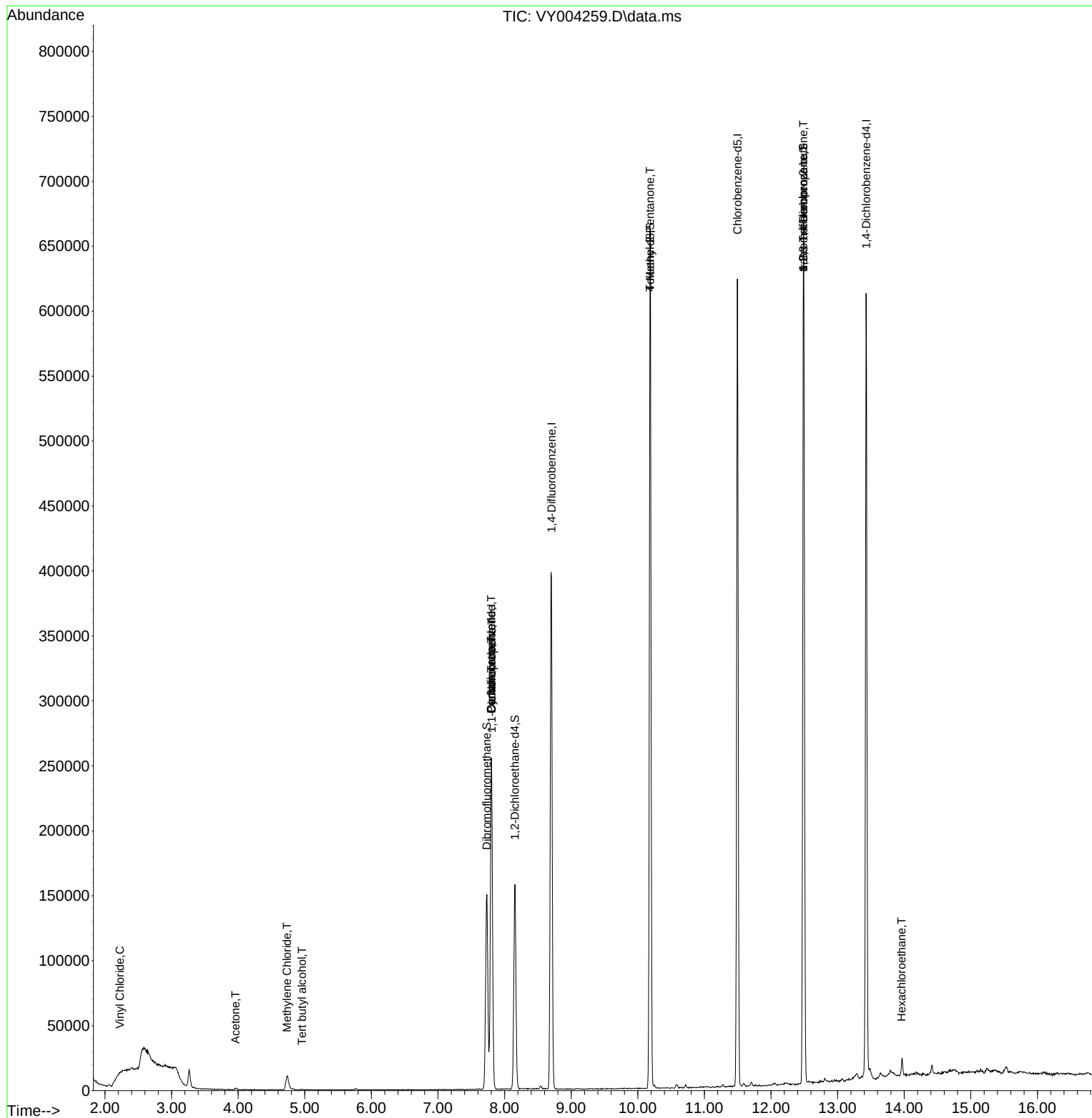
Internal Standards						
1) Pentafluorobenzene	7.801	168	195930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	335962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	321118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146180	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	120290	63.86	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.72%			
35) Dibromofluoromethane	7.734	113	104543	55.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.70%			
50) Toluene-d8	10.185	98	415205	58.97	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.94%			
62) 4-Bromofluorobenzene	12.483	95	144823	60.02	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.04%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.223	62	6319	2.48	ug/l #	42
11) Tert butyl alcohol	4.960	59	412	2.69	ug/l #	71
13) Acrolein	3.747	56	209	Below Cal		93
16) Acetone	3.960	43	2041	5.20	ug/l #	79
20) Methylene Chloride	4.734	84	7695	1.56	ug/l	91
31) Cyclohexane	7.801	56	4339	1.30	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	15152	4.94	ug/l #	48
38) Carbon Tetrachloride	7.801	117	18696	7.01	ug/l #	16
49) 1,4-Dioxane	9.301	88	108	Below Cal	#	64
51) 4-Methyl-2-Pentanone	10.185	43	2203	1.27	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	81158	61.14	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	81158	112.68	ug/l #	10
90) Hexachloroethane	13.958	117	237	7.52	ug/l #	12

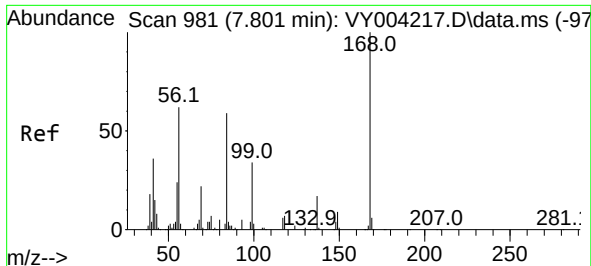
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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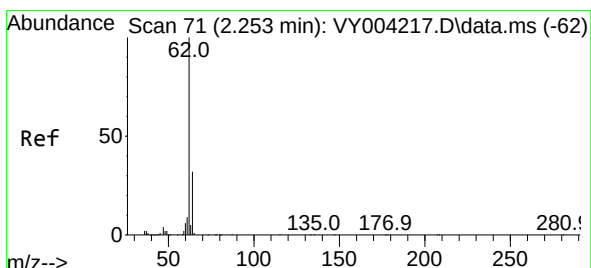
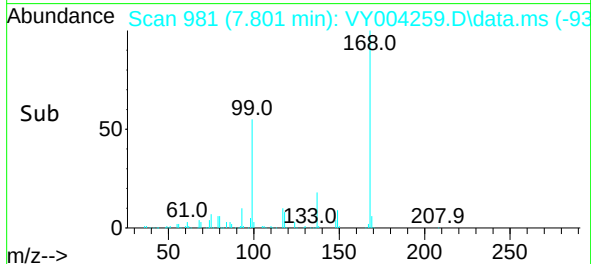
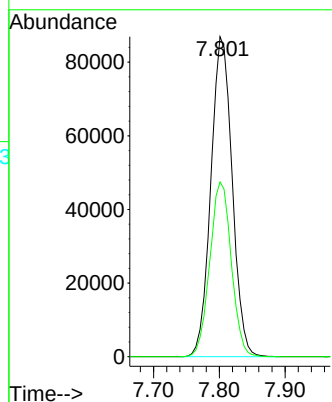
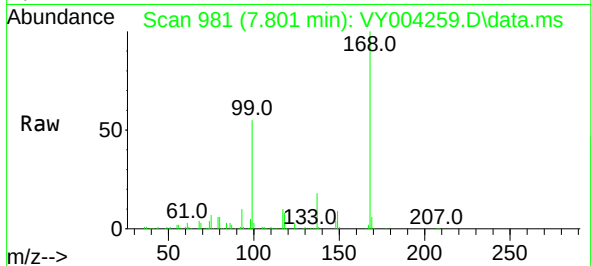




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

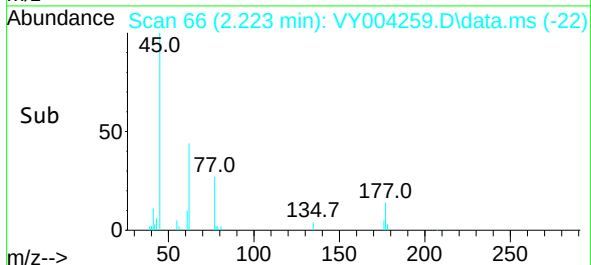
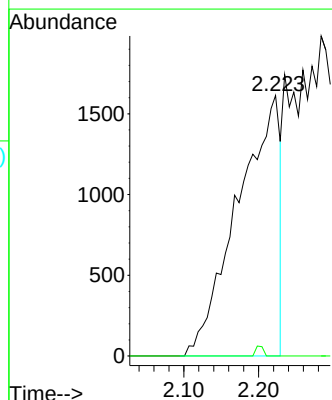
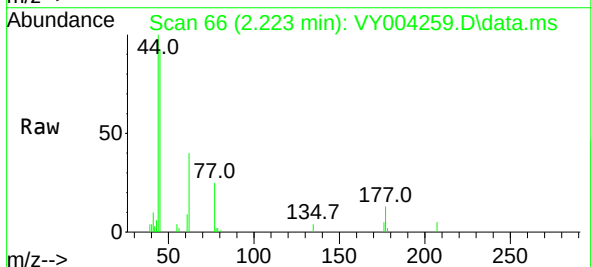
Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)

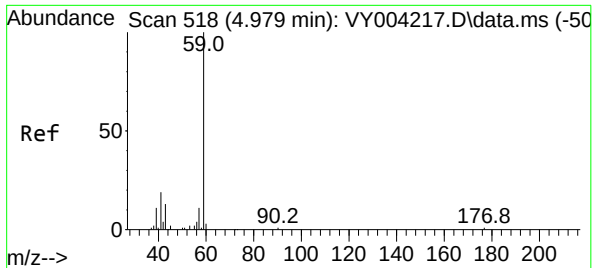
Tgt Ion:168 Resp: 195930
Ion Ratio Lower Upper
168 100
99 54.6 42.6 64.0



#4
Vinyl Chloride
Concen: 2.48 ug/l
RT: 2.223 min Scan# 66
Delta R.T. -0.031 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

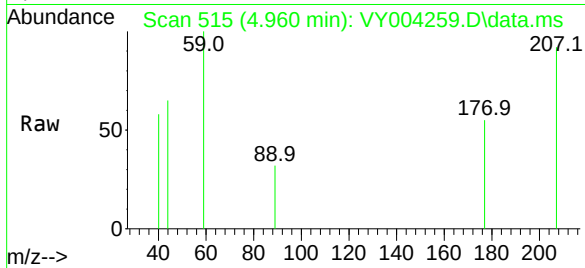
Tgt Ion: 62 Resp: 6319
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



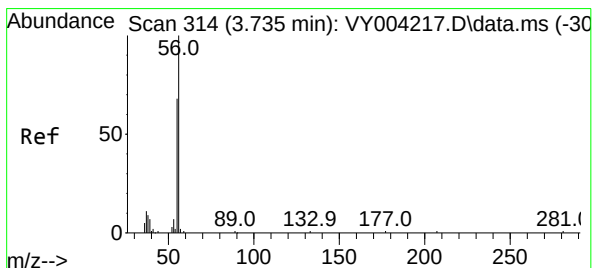
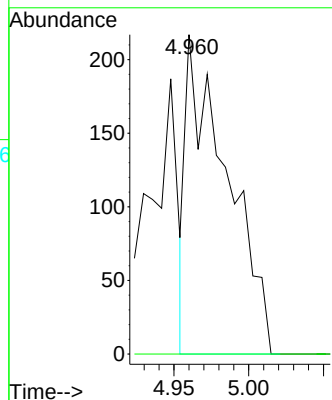
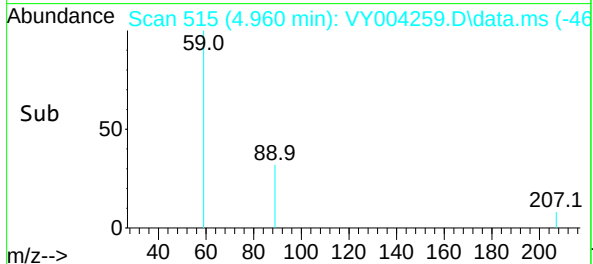


#11
Tert butyl alcohol
Concen: 2.69 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.019 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

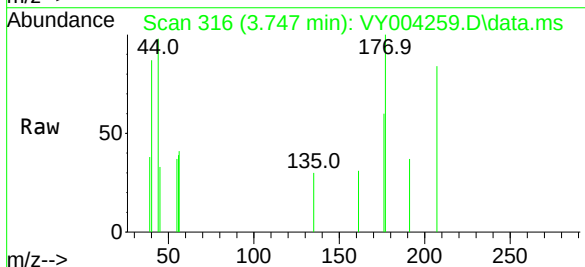
Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)



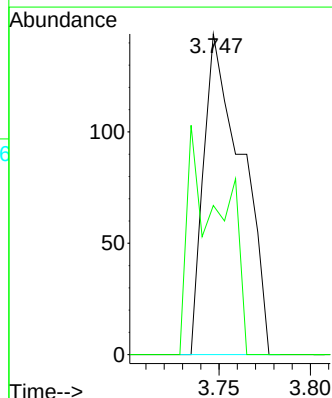
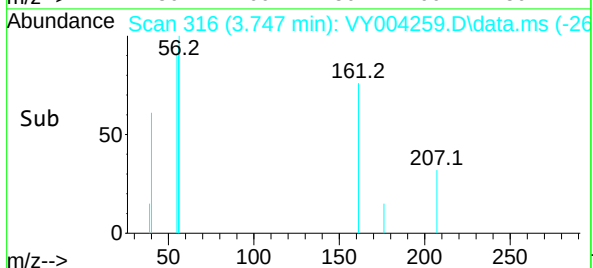
Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

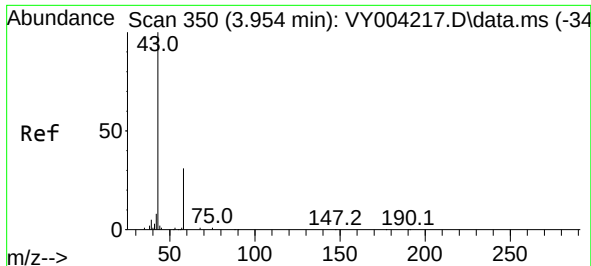


#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52



Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 63.2 55.0 82.4

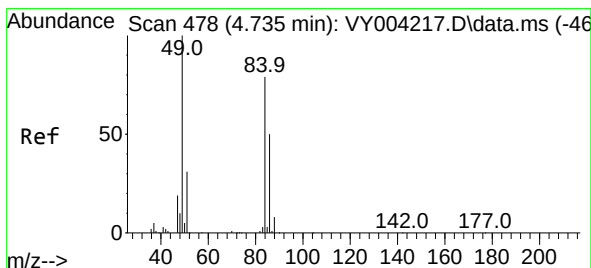
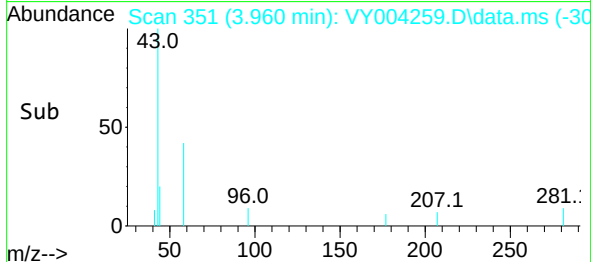
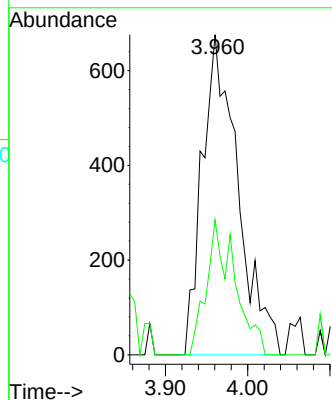
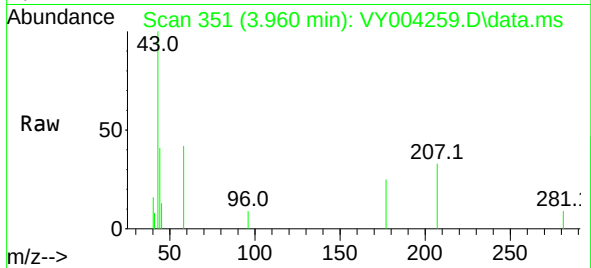




#16
Acetone
Concen: 5.20 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

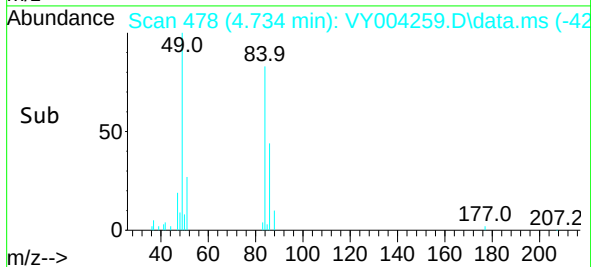
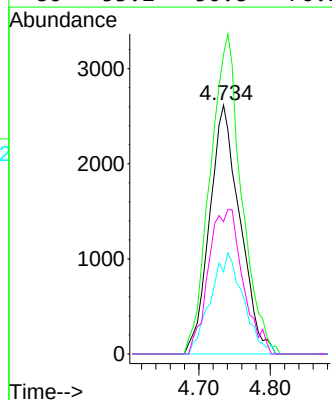
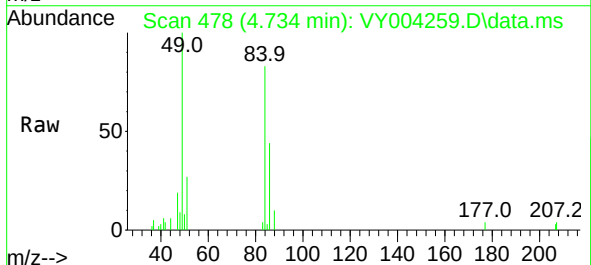
Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)

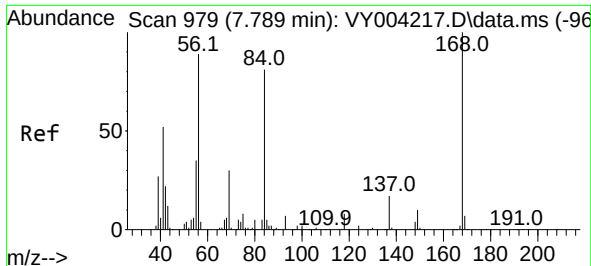
Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
58 42.2 24.5 36.7#



#20
Methylene Chloride
Concen: 1.56 ug/l
RT: 4.734 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

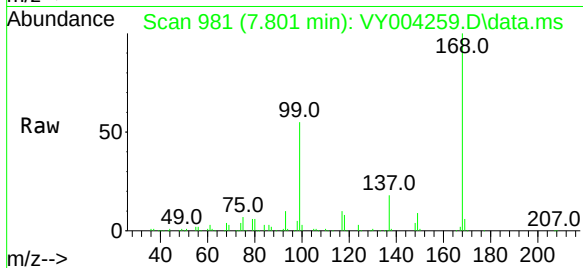
Tgt Ion: 84 Resp: 7695
Ion Ratio Lower Upper
84 100
49 120.4 101.5 152.3
51 33.0 31.5 47.3
86 53.2 50.8 76.2



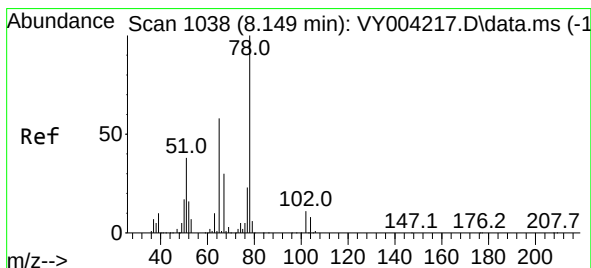
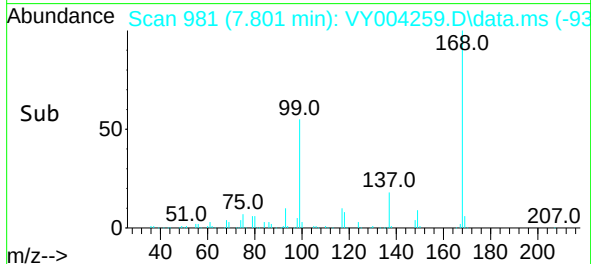
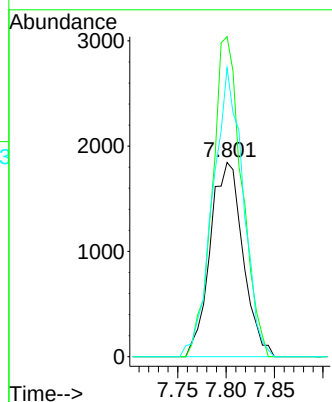


#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)

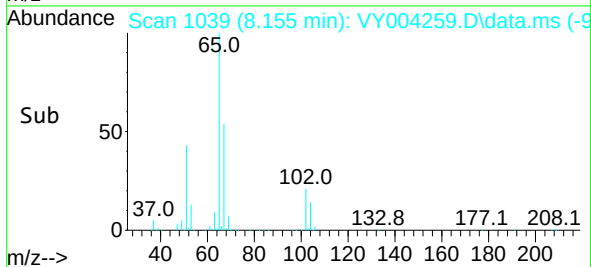
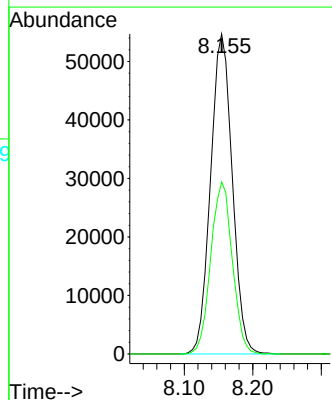
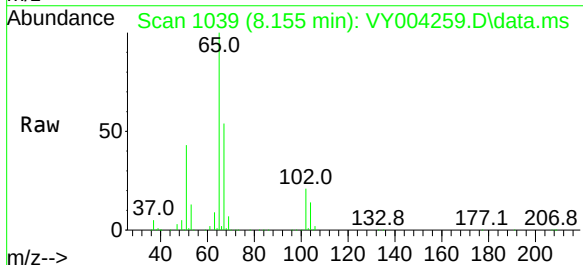


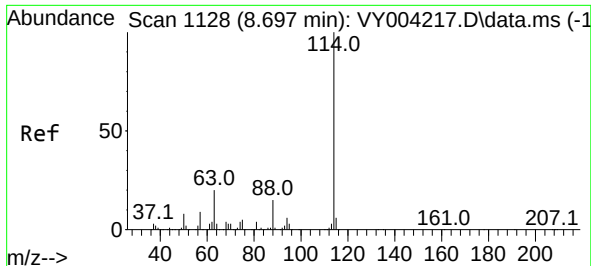
Tgt Ion: 56 Resp: 4339
Ion Ratio Lower Upper
56 100
69 164.7 26.6 40.0#
84 148.6 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 63.86 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

Tgt Ion: 65 Resp: 120290
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.2

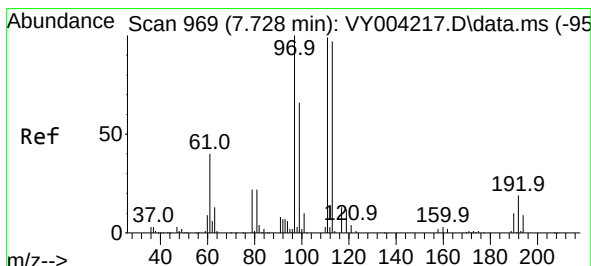
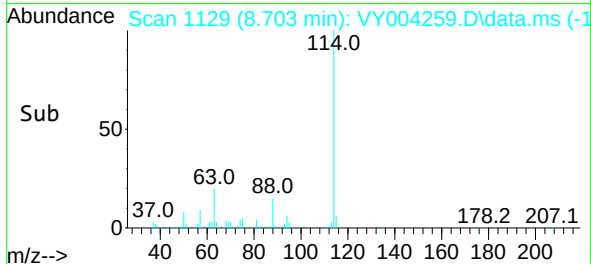
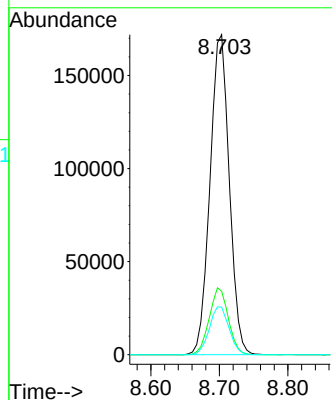
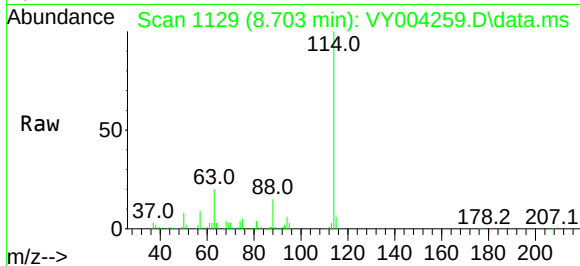




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

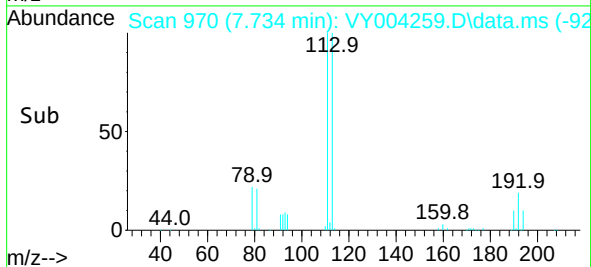
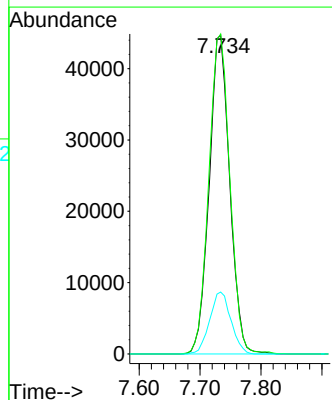
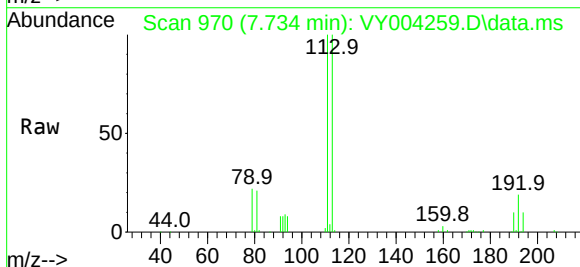
Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)

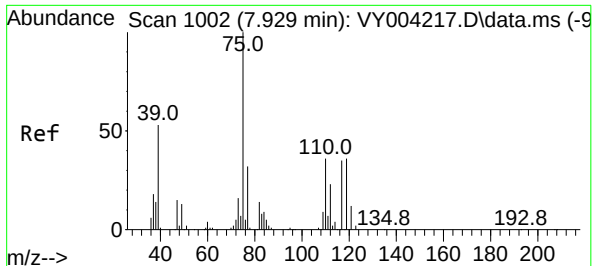
Tgt Ion:114 Resp: 335962
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.4
88 14.9 0.0 30.8



#35
Dibromofluoromethane
Concen: 55.85 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

Tgt Ion:113 Resp: 104543
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 20.1 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.94 ug/l

RT: 7.807 min Scan# 982

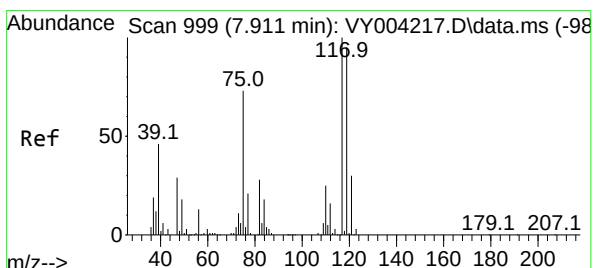
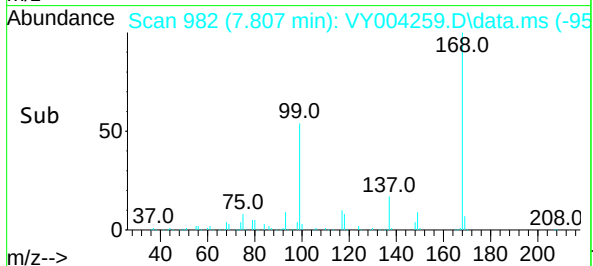
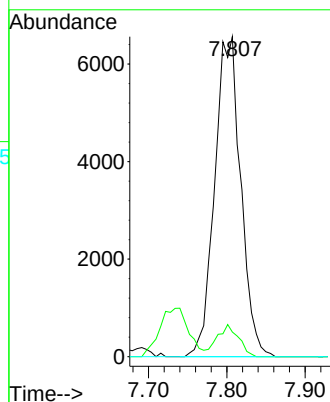
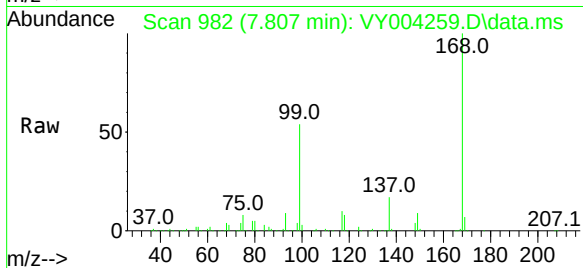
Delta R.T. -0.122 min

Lab File: VY004259.D

Acq: 02 Apr 2021 13:52

Tgt Ion: 75	Resp: 15152
Ion Ratio	Lower Upper
75 100	
110 8.3	18.1 54.3#
77 0.0	25.1 37.7#

Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)



#38

Carbon Tetrachloride

Concen: 7.01 ug/l

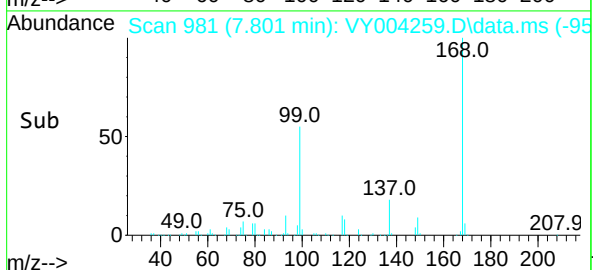
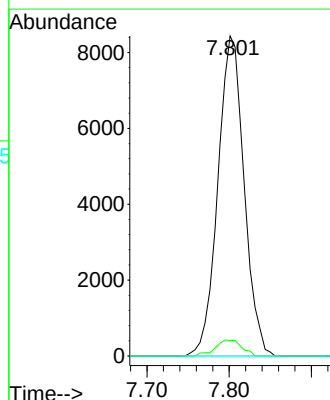
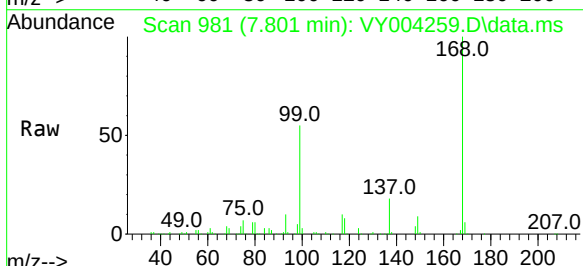
RT: 7.801 min Scan# 981

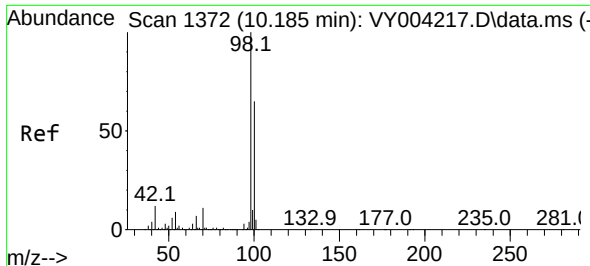
Delta R.T. -0.110 min

Lab File: VY004259.D

Acq: 02 Apr 2021 13:52

Tgt Ion: 117	Resp: 18696
Ion Ratio	Lower Upper
117 100	
119 4.8	75.6 113.4#
121 0.0	24.3 36.5#

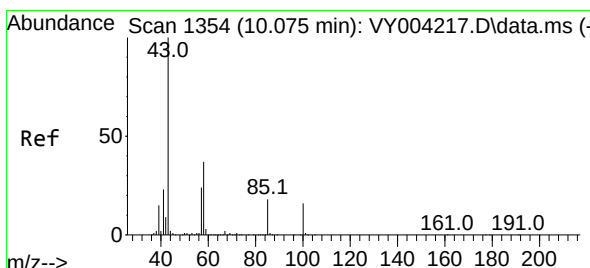
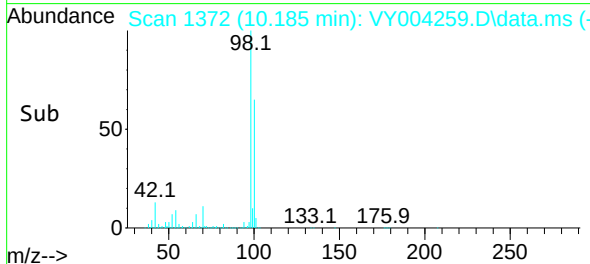
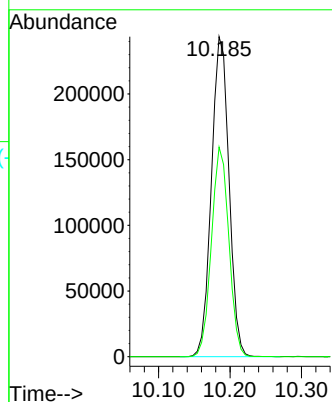
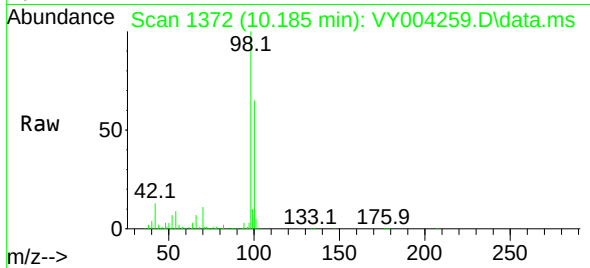




#50
Toluene-d8
Concen: 58.97 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

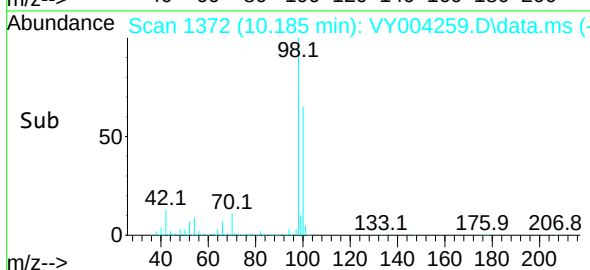
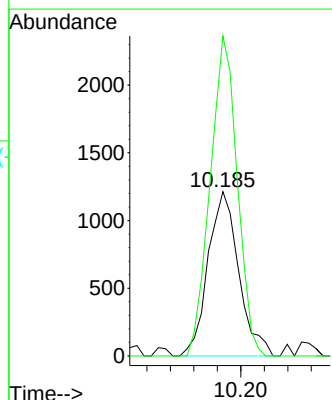
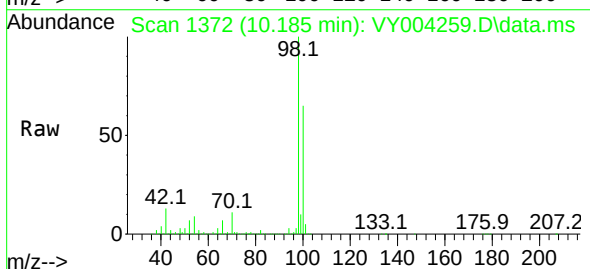
Instrument :
MSVOA_Y
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TP-3D-(4-10)

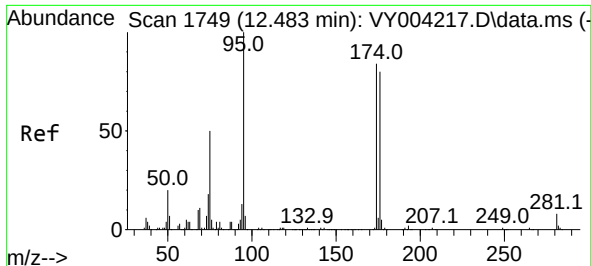
Tgt Ion: 98 Resp: 415205
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.27 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
58 171.8 30.6 45.8#

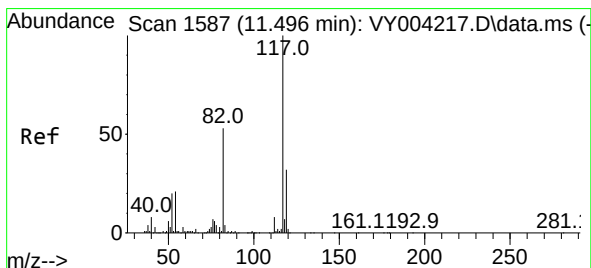
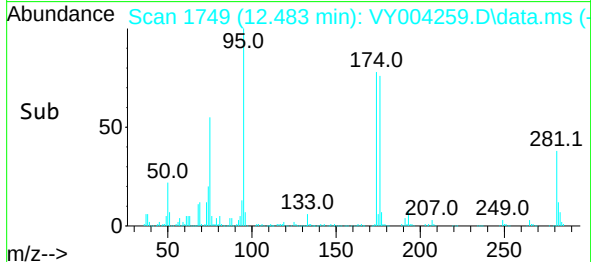
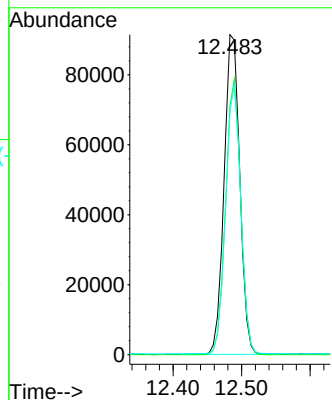
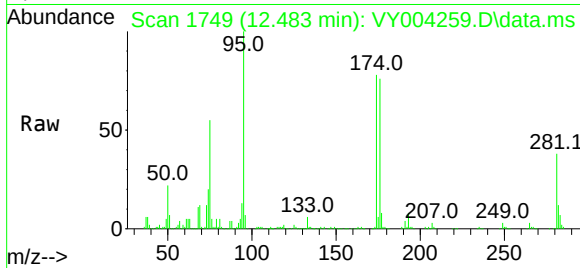




#62
4-Bromofluorobenzene
Concen: 60.02 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

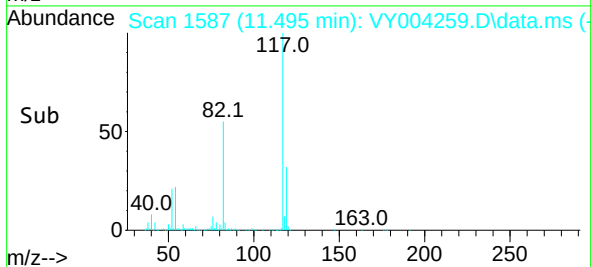
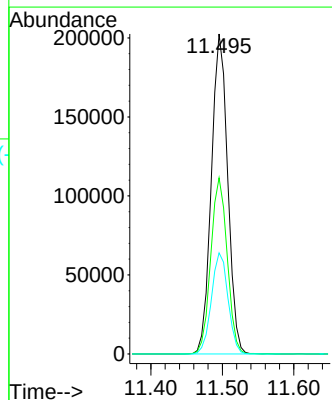
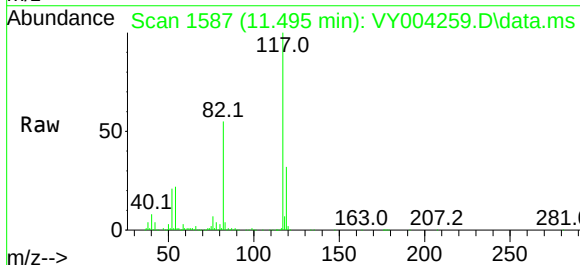
Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)

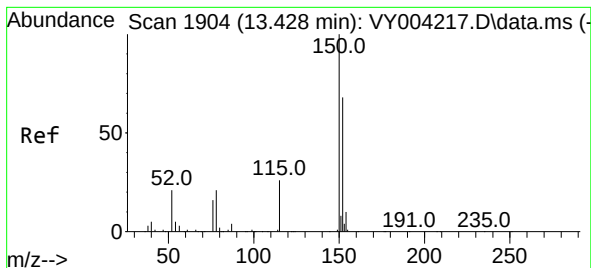
Tgt Ion:	95	Resp:	144823
Ion Ratio	Lower	Upper	
95	100		
174	83.3	0.0	171.4
176	81.7	0.0	165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

Tgt Ion:	117	Resp:	321118
Ion Ratio	Lower	Upper	
117	100		
82	55.0	42.7	64.1
119	31.6	25.7	38.5

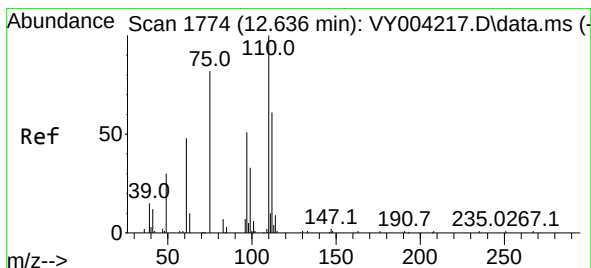
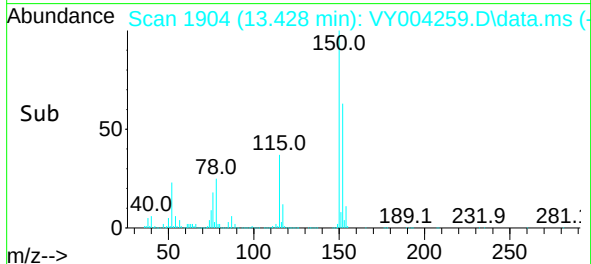
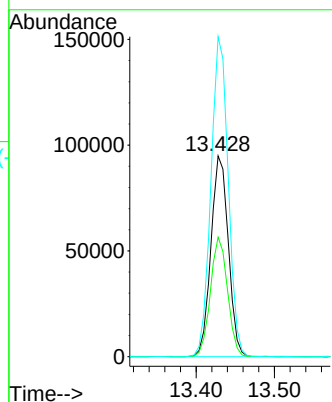
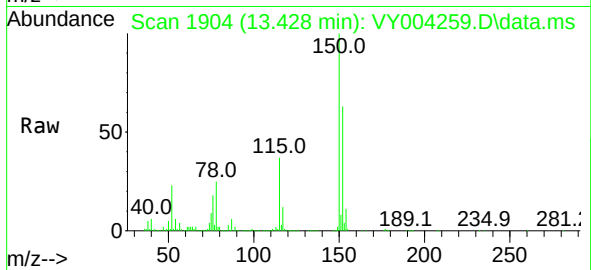




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

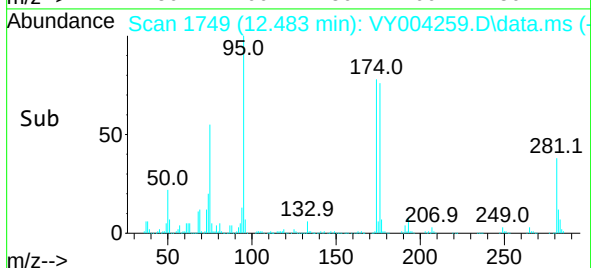
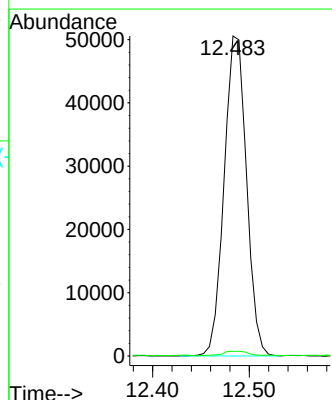
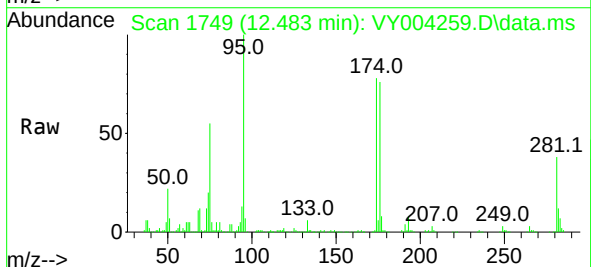
Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)

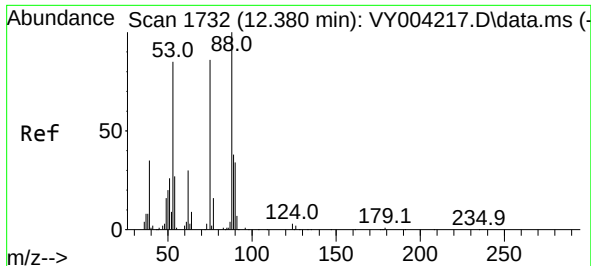
Tgt Ion:152 Resp: 146180
Ion Ratio Lower Upper
152 100
115 58.4 29.0 87.1
150 158.1 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 61.14 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

Tgt Ion: 75 Resp: 81158
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#

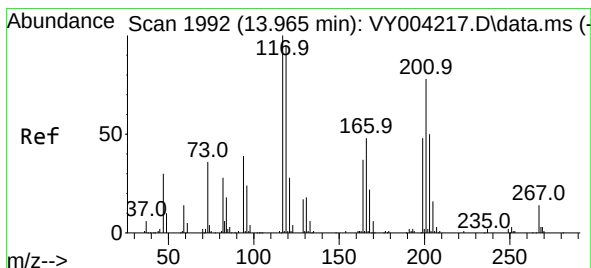
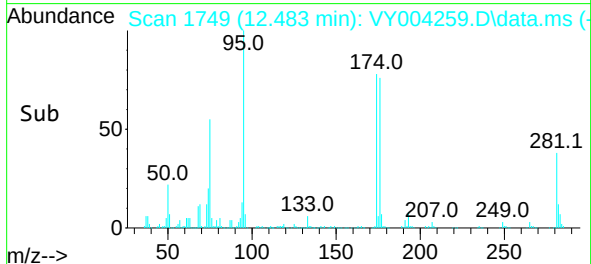
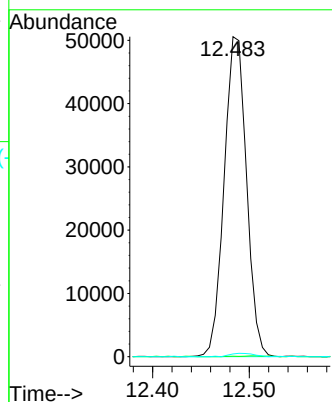
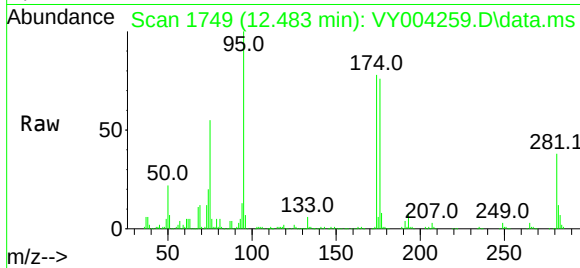




#81
trans-1,4-Dichloro-2-butene
Concen: 112.68 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

Instrument :
MSVOA_Y
ClientSampleId :
TP-3D-(4-10)

Tgt Ion: 75 Resp: 81158
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 1.2 39.4 59.2#



#90
Hexachloroethane
Concen: 7.52 ug/l
RT: 13.958 min Scan# 1991
Delta R.T. -0.007 min
Lab File: VY004259.D
Acq: 02 Apr 2021 13:52

Tgt Ion: 117 Resp: 237
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

