

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004370.D
 Acq On : 09 Apr 2021 20:01
 Operator : SY/MD
 Sample : M1993-04
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T-2

Quant Time: Apr 10 02:06:55 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)

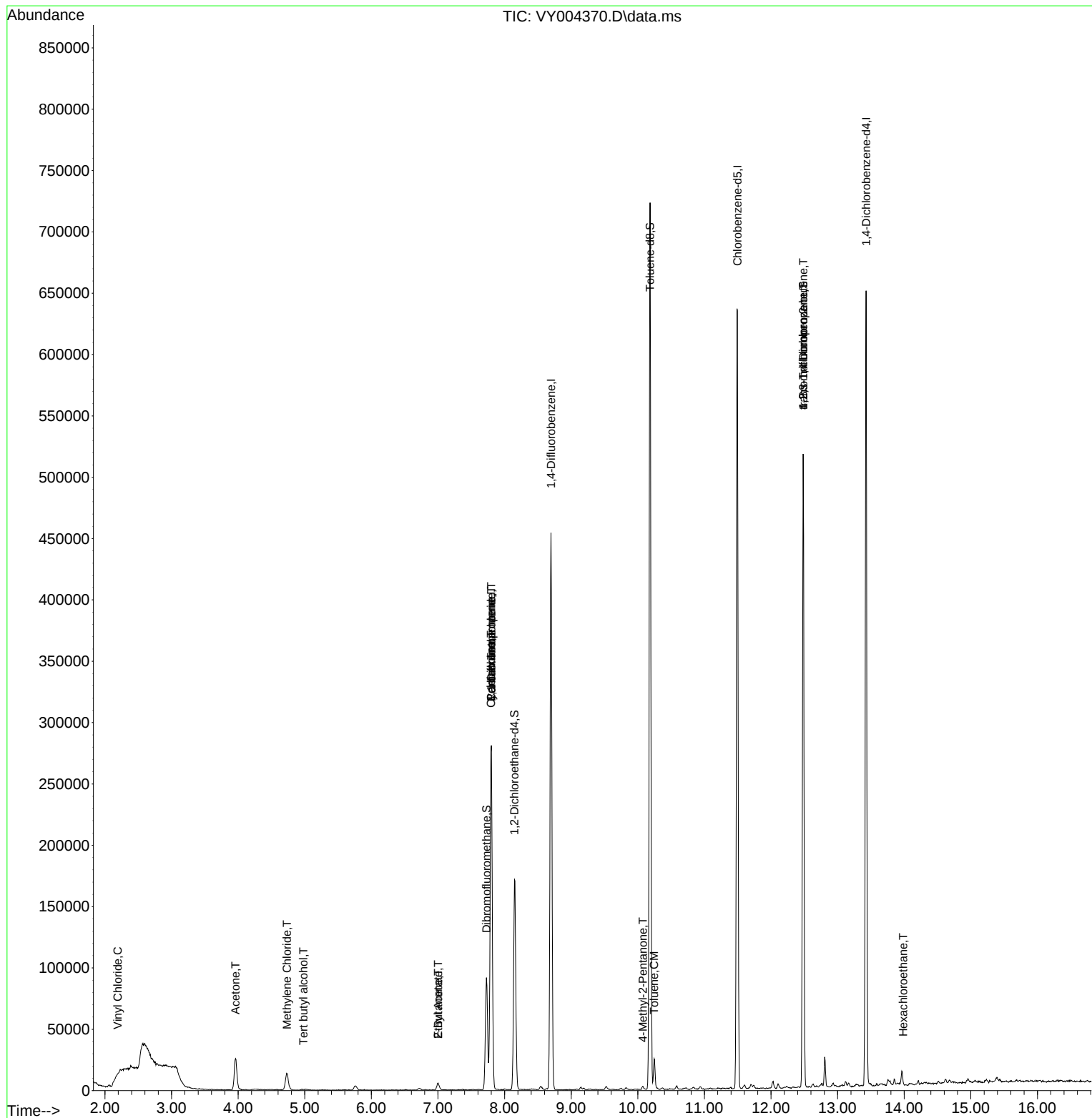
Internal Standards						
1) Pentafluorobenzene	7.801	168	213248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	367684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	339399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	132592	64.68	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.36%			
35) Dibromofluoromethane	7.728	113	64160	31.32	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 62.64%			
50) Toluene-d8	10.184	98	449454	58.33	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.66%			
62) 4-Bromofluorobenzene	12.483	95	154146	58.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.74%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.192	62	5711	2.06	ug/l #	42
11) Tert butyl alcohol	4.978	59	1166	6.99	ug/l #	71
16) Acetone	3.960	43	46602	109.11	ug/l	96
20) Methylene Chloride	4.734	84	9676	2.21	ug/l	97
25) 2-Butanone	7.002	43	10102	14.16	ug/l	97
31) Cyclohexane	7.795	56	5107	1.41	ug/l #	2
36) 1,1-Dichloropropene	7.801	75	17298	5.15	ug/l #	49
37) Ethyl Acetate	7.002	43	10102	5.13	ug/l #	70
38) Carbon Tetrachloride	7.801	117	21904	7.50	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	2041	1.07	ug/l #	85
52) Toluene	10.245	92	9870	1.61	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	83900	59.52	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	83900	109.70	ug/l #	10
90) Hexachloroethane	13.983	117	62	7.34	ug/l #	12

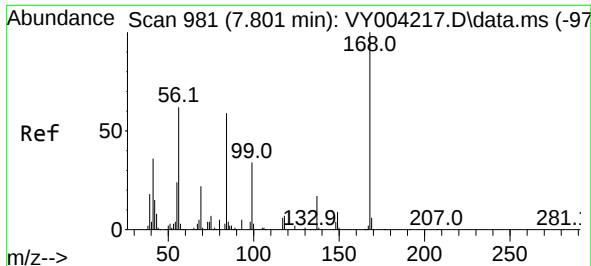
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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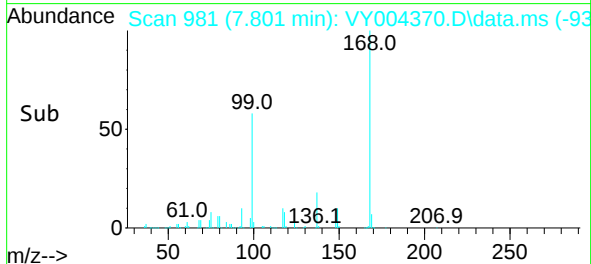
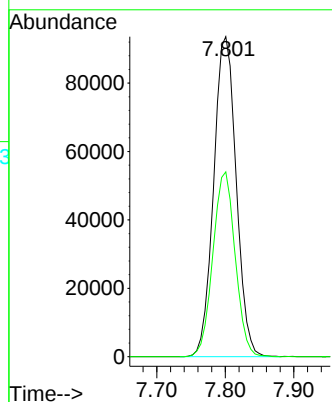
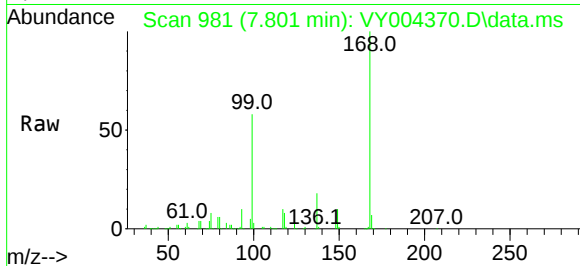




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

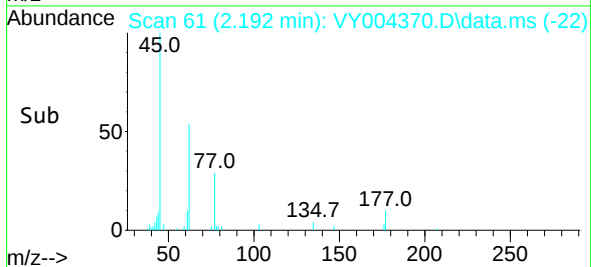
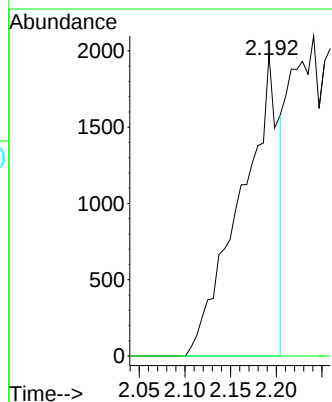
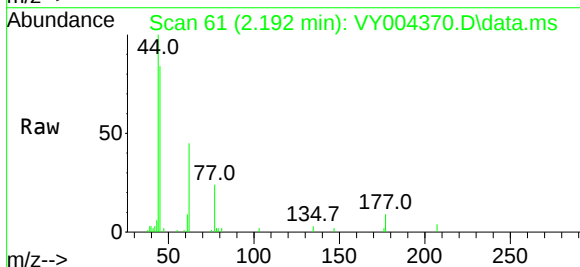
Instrument :
MSVOA_Y
ClientSampled :
T-2

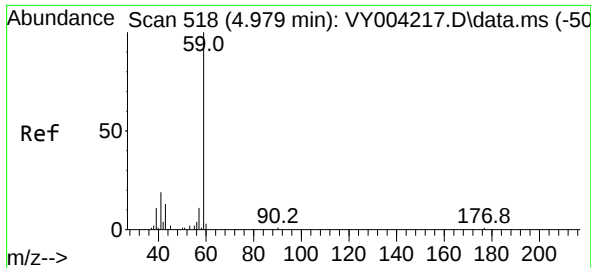
Tgt Ion:168 Resp: 213248
Ion Ratio Lower Upper
168 100
99 57.7 42.6 64.0



#4
Vinyl Chloride
Concen: 2.06 ug/l
RT: 2.192 min Scan# 61
Delta R.T. -0.061 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Tgt Ion: 62 Resp: 5711
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



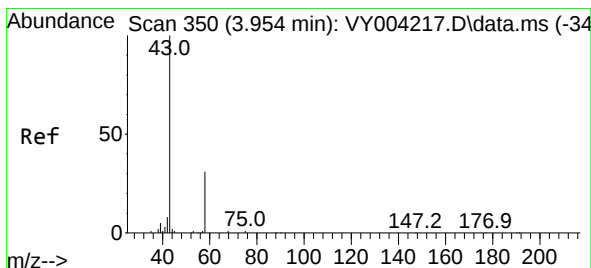
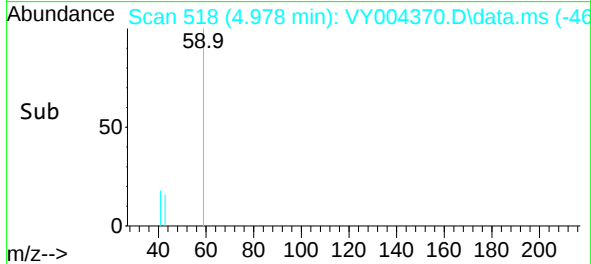
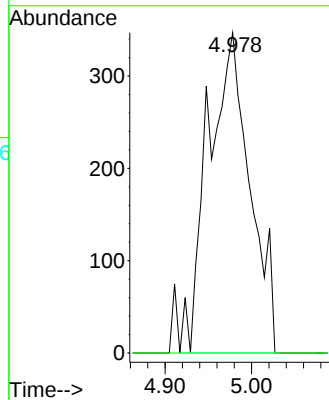
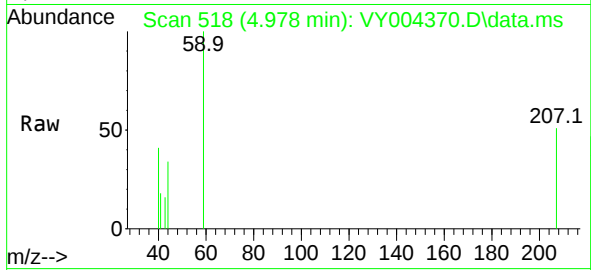


#11

Tert butyl alcohol
Concen: 6.99 ug/l
RT: 4.978 min Scan# 518
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Instrument :
MSVOA_Y
ClientSampled :
T-2

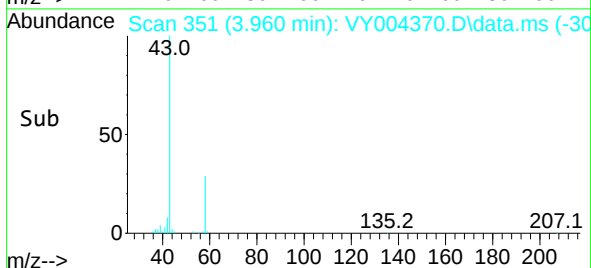
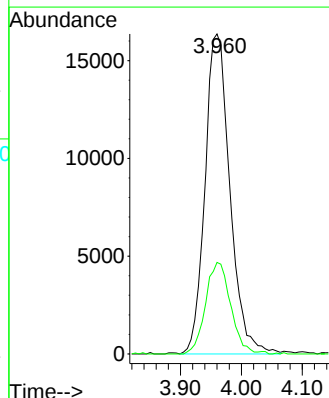
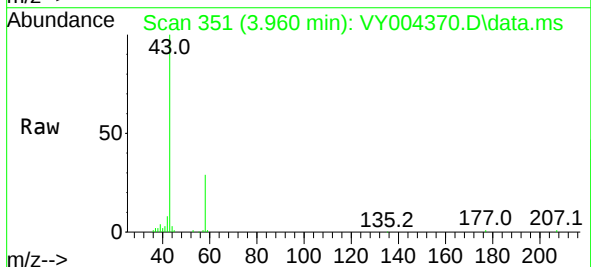
Tgt Ion: 59 Resp: 1166
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

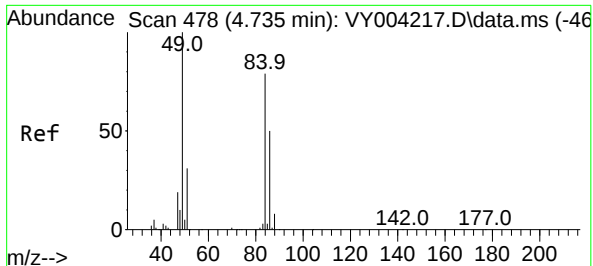


#16

Acetone
Concen: 109.11 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

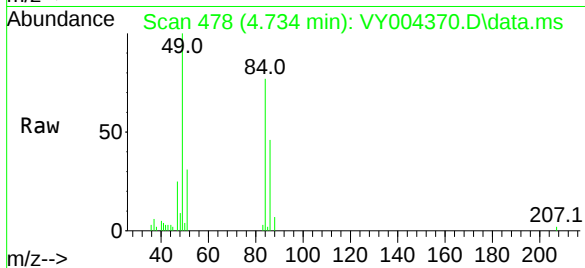
Tgt Ion: 43 Resp: 46602
Ion Ratio Lower Upper
43 100
58 28.6 24.5 36.7



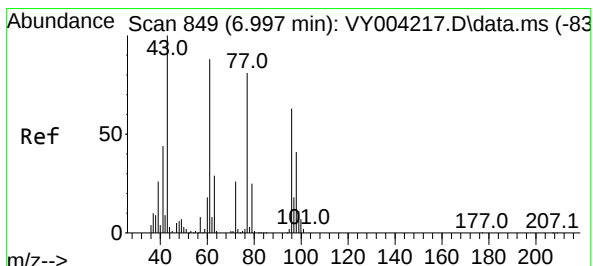
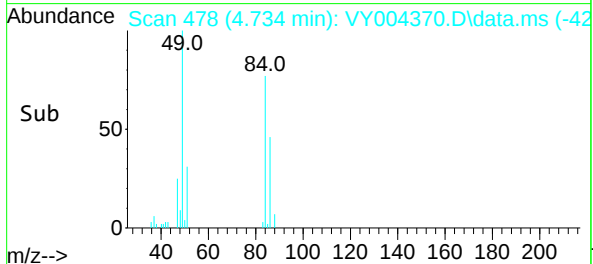
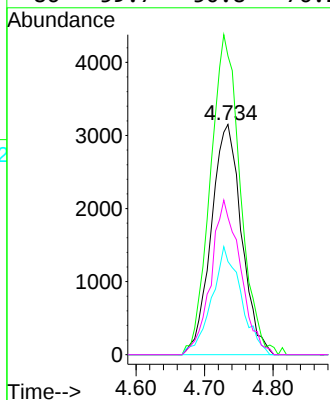


#20
Methylene Chloride
Concen: 2.21 ug/l
RT: 4.734 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Instrument :
MSVOA_Y
ClientSampled :
T-2

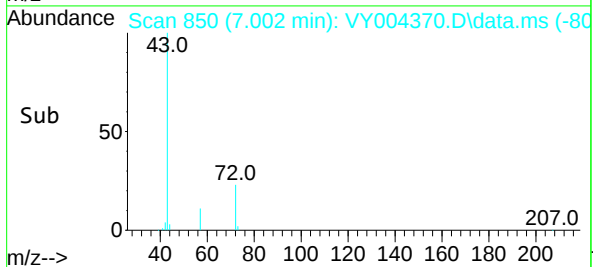
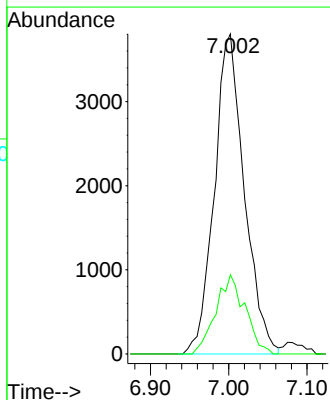
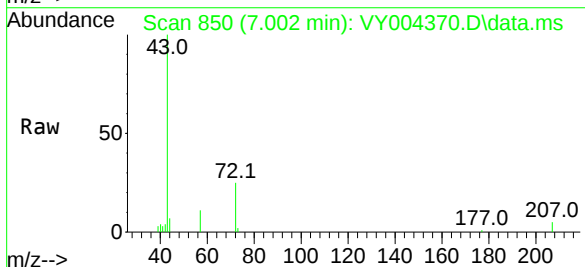


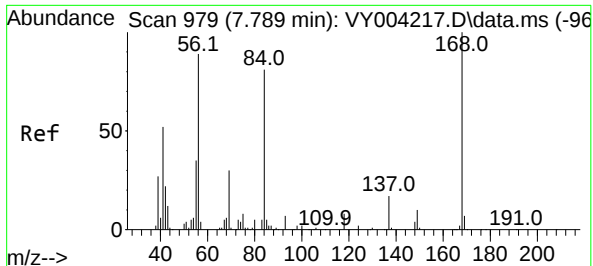
Tgt Ion:	84	Resp:	9676
Ion	Ratio	Lower	Upper
84	100		
49	129.8	101.5	152.3
51	40.4	31.5	47.3
86	59.7	50.8	76.2



#25
2-Butanone
Concen: 14.16 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Tgt Ion:	43	Resp:	10102
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.0	31.6

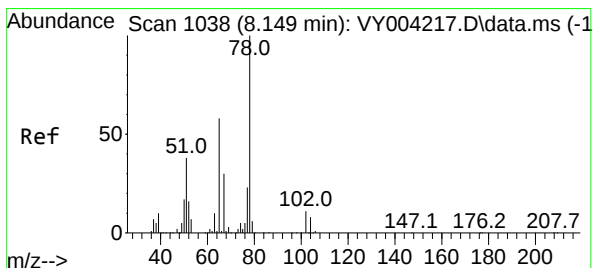
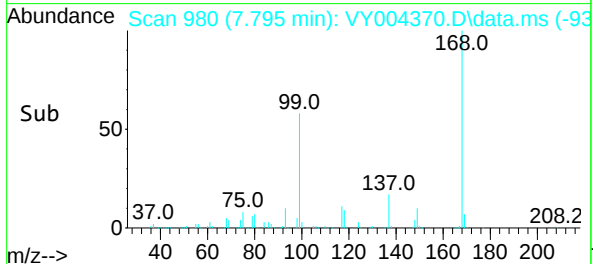
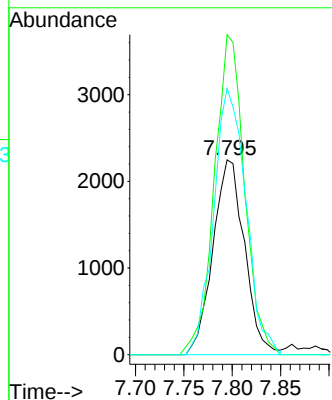
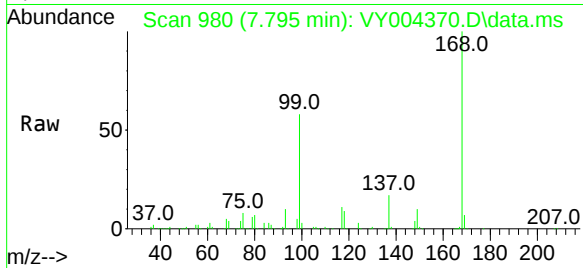




#31
Cyclohexane
Concen: 1.41 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

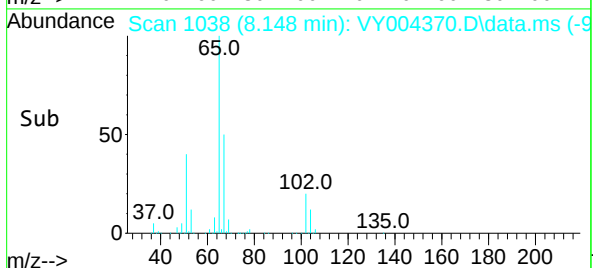
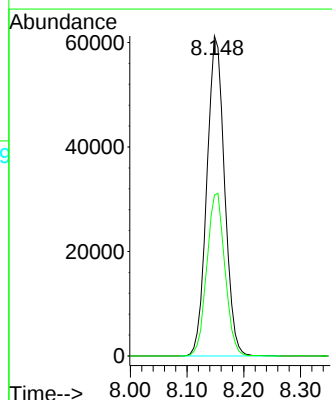
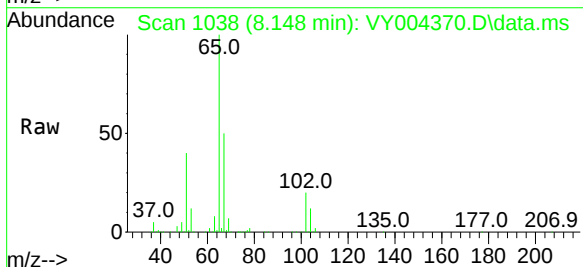
Instrument :
MSVOA_Y
ClientSampleId :
T-2

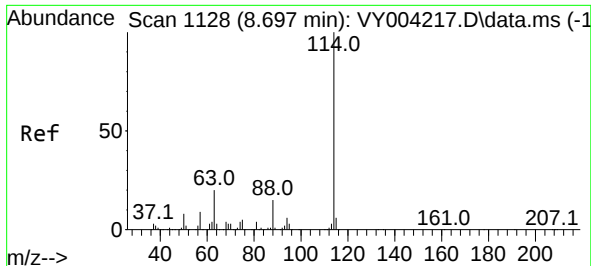
Tgt Ion: 56 Resp: 5107
Ion Ratio Lower Upper
56 100
69 164.2 26.6 40.0#
84 136.6 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 64.68 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Tgt Ion: 65 Resp: 132592
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.2

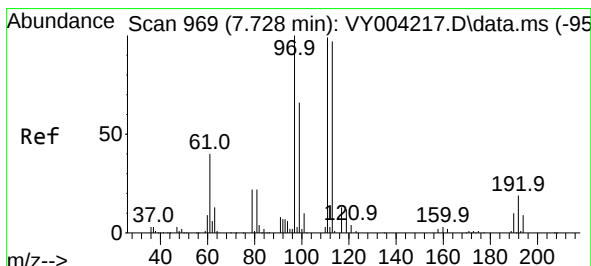
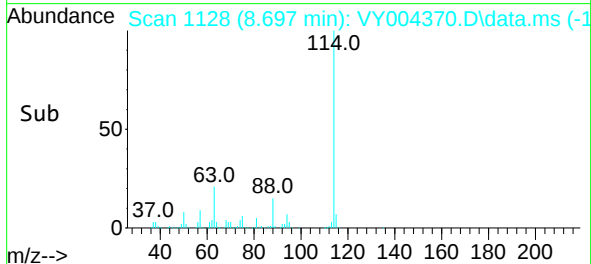
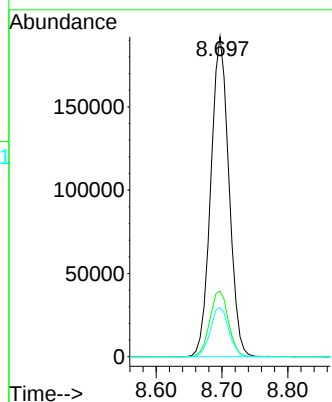
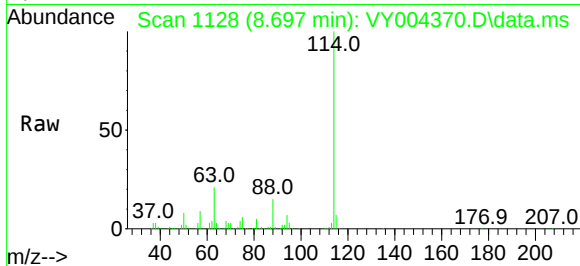




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

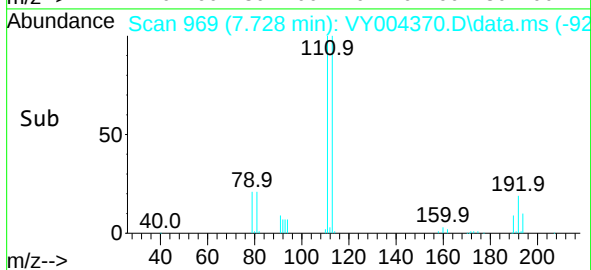
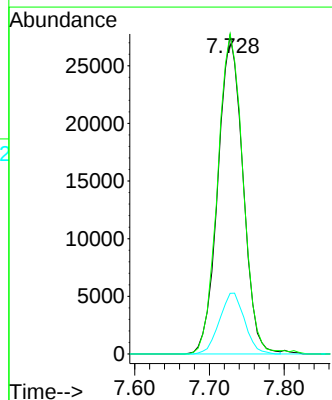
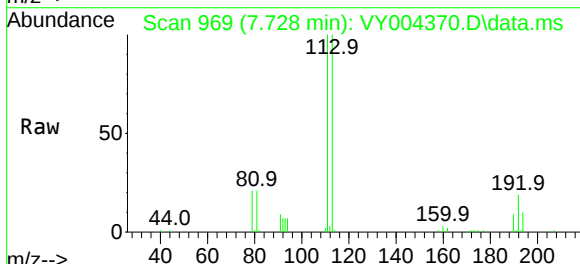
Instrument :
MSVOA_Y
ClientSampled :
T-2

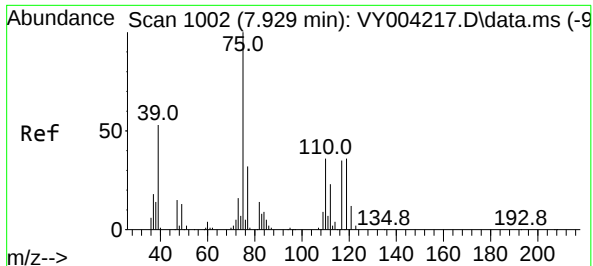
Tgt Ion:	114	Resp:	367684
Ion Ratio	Lower	Upper	
114	100		
63	20.5	0.0	40.4
88	15.4	0.0	30.8



#35
Dibromofluoromethane
Concen: 31.32 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Tgt Ion:	113	Resp:	64160
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.6	124.0
192	19.2	16.4	24.6





#36

1,1-Dichloropropene

Concen: 5.15 ug/l

RT: 7.801 min Scan# 981

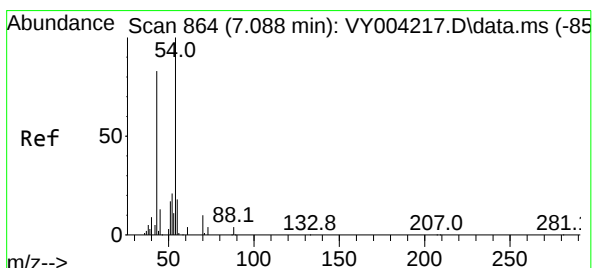
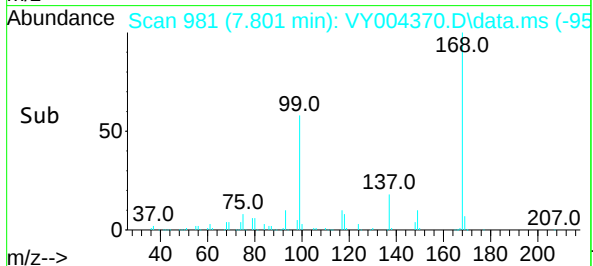
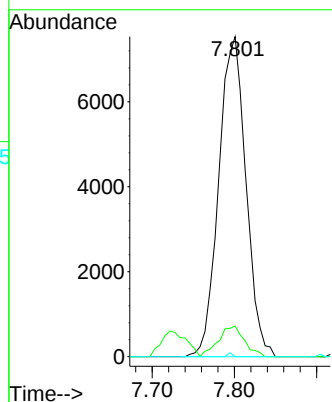
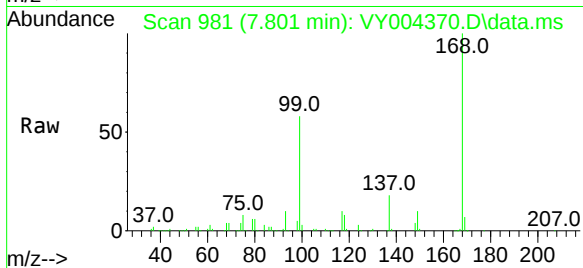
Delta R.T. -0.128 min

Lab File: VY004370.D

Acq: 09 Apr 2021 20:01

Tgt Ion: 75	Resp: 17298
Ion Ratio	Lower Upper
75 100	
110 9.2	18.1 54.3#
77 0.0	25.1 37.7#

Instrument :
MSVOA_Y
ClientSampled :
T-2



#37

Ethyl Acetate

Concen: 5.13 ug/l

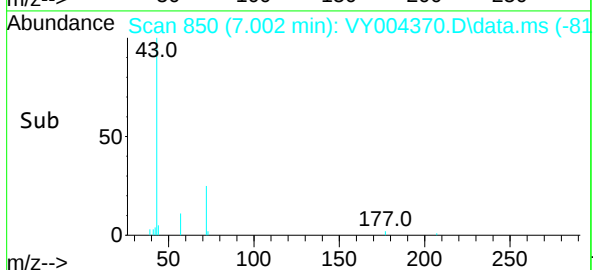
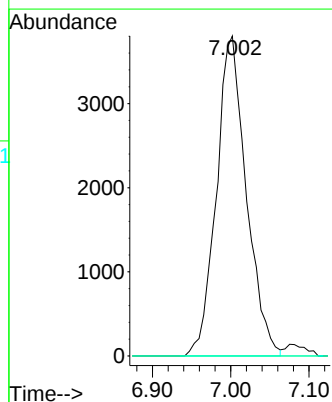
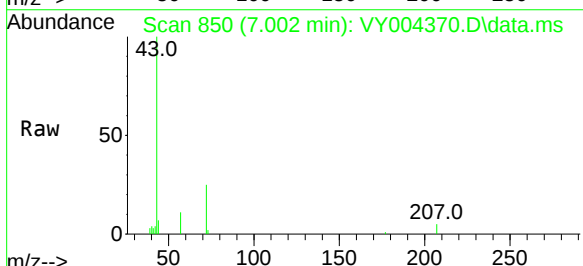
RT: 7.002 min Scan# 850

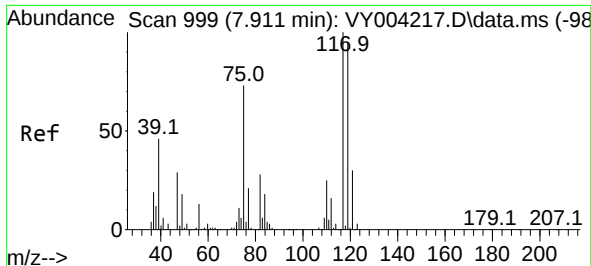
Delta R.T. -0.086 min

Lab File: VY004370.D

Acq: 09 Apr 2021 20:01

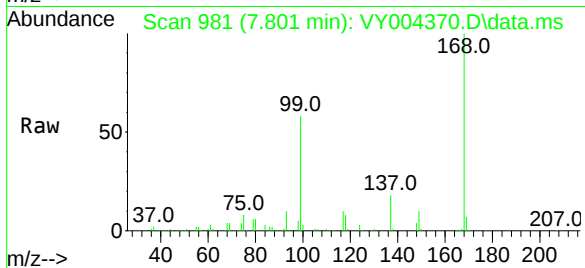
Tgt Ion: 43	Resp: 10102
Ion Ratio	Lower Upper
43 100	
61 0.0	10.2 15.2#
70 0.0	8.0 12.0#



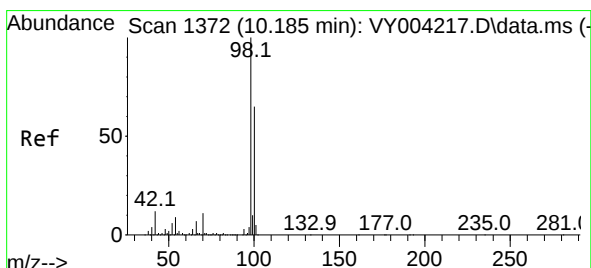
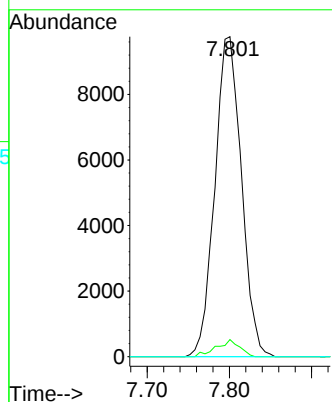
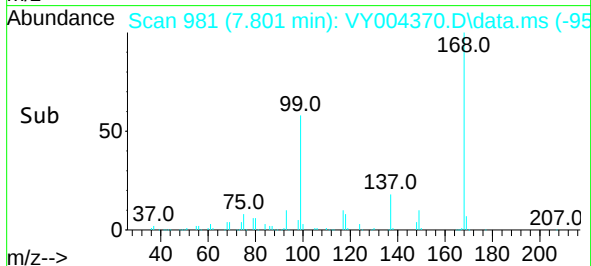


#38
Carbon Tetrachloride
Concen: 7.50 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

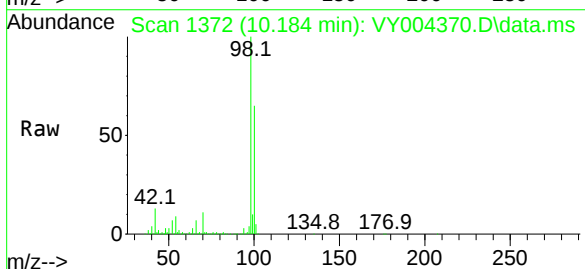
Instrument :
MSVOA_Y
ClientSampled :
T-2



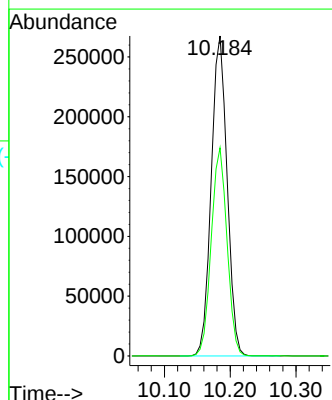
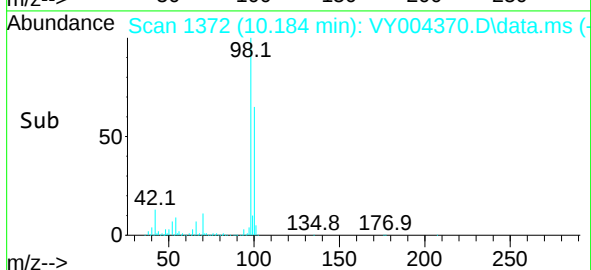
Tgt Ion:117 Resp: 21904
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 24.3 36.5#

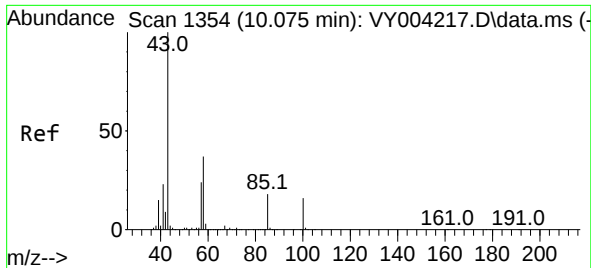


#50
Toluene-d8
Concen: 58.33 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01



Tgt Ion: 98 Resp: 449454
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

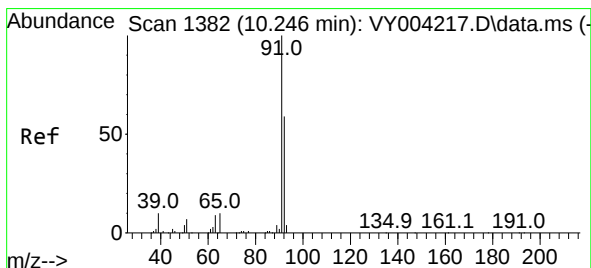
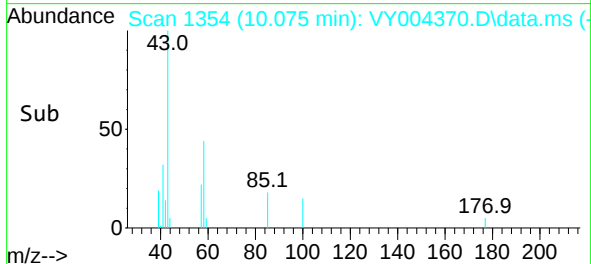
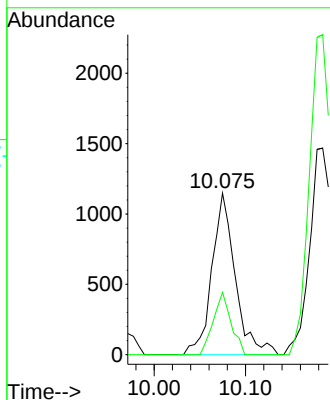
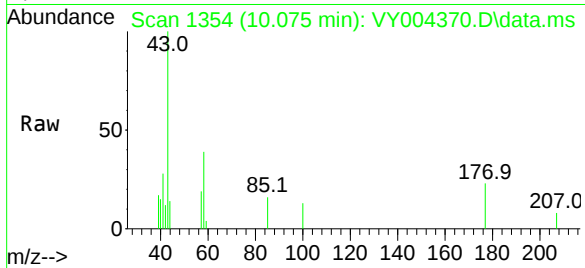




#51
4-Methyl-2-Pentanone
Concen: 1.07 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

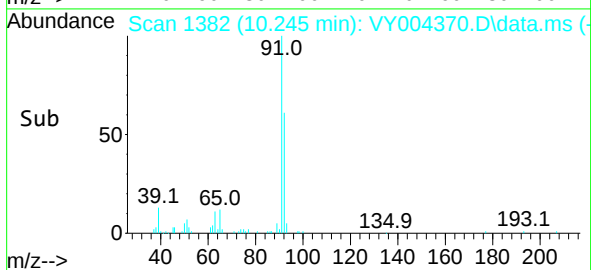
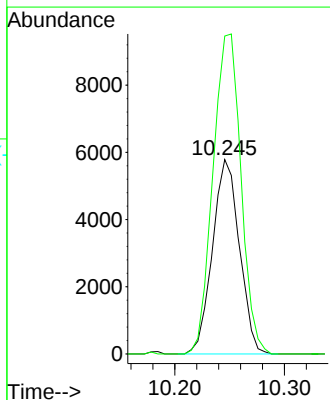
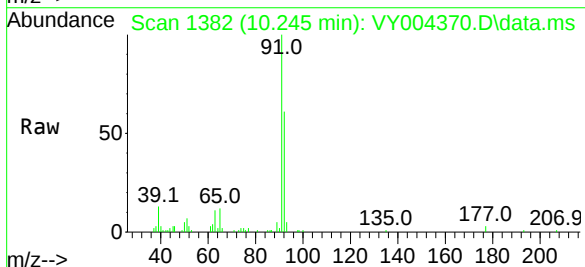
Instrument :
MSVOA_Y
ClientSampled :
T-2

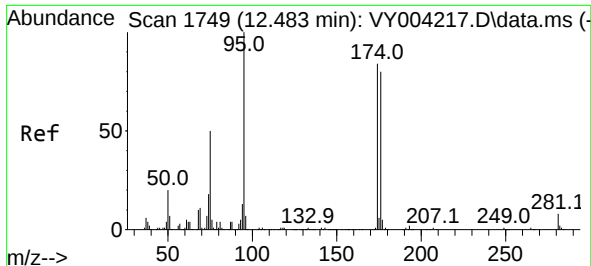
Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
58 29.3 30.6 45.8#



#52
Toluene
Concen: 1.61 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Tgt Ion: 92 Resp: 9870
Ion Ratio Lower Upper
92 100
91 171.1 136.0 204.0

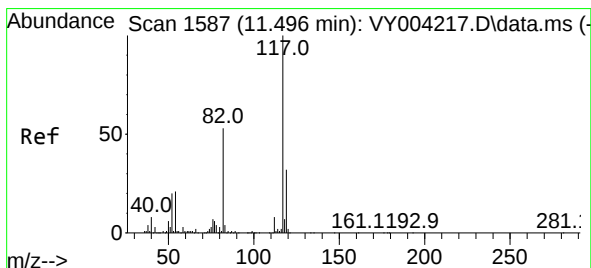
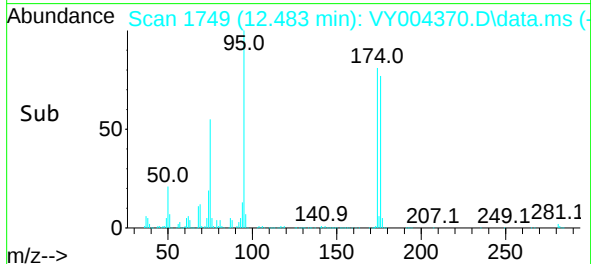
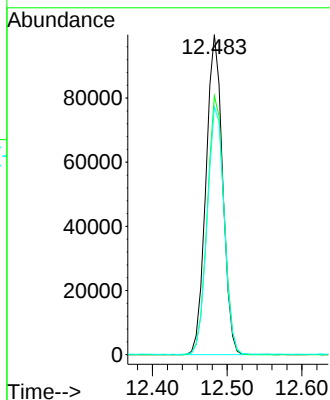
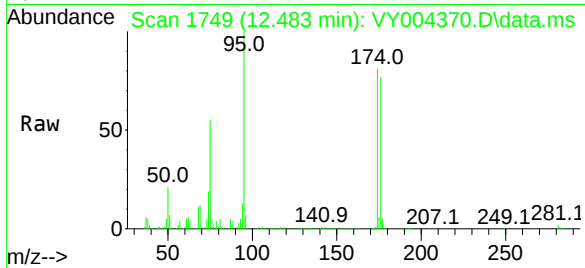




#62
4-Bromofluorobenzene
Concen: 58.37 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

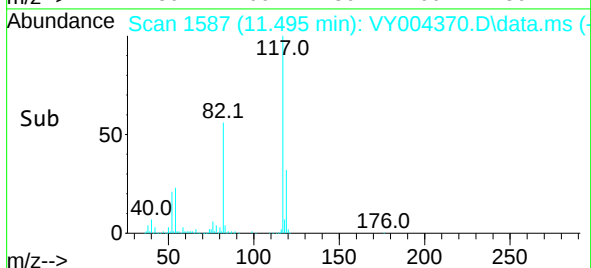
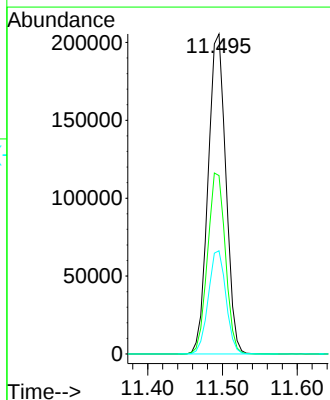
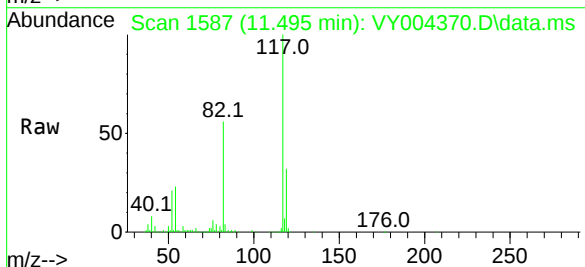
Instrument :
MSVOA_Y
ClientSampled :
T-2

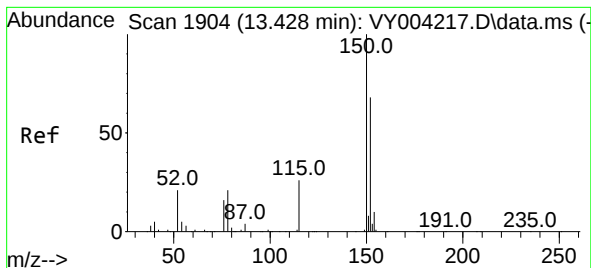
Tgt Ion: 95 Resp: 154146
Ion Ratio Lower Upper
95 100
174 81.6 0.0 171.4
176 79.2 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Tgt Ion: 117 Resp: 339399
Ion Ratio Lower Upper
117 100
82 55.7 42.7 64.1
119 32.3 25.7 38.5

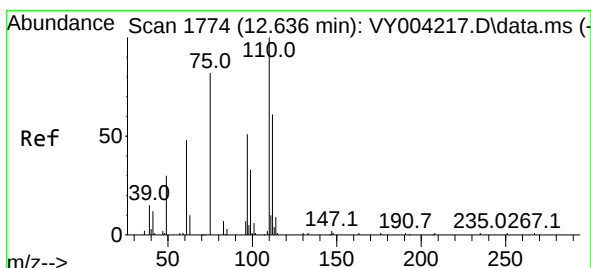
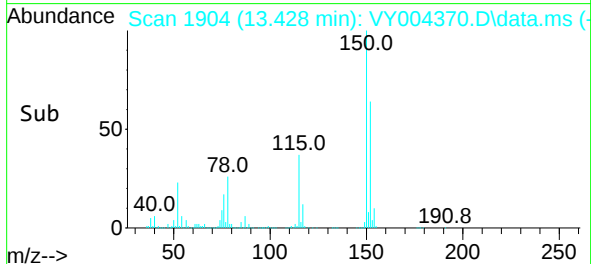
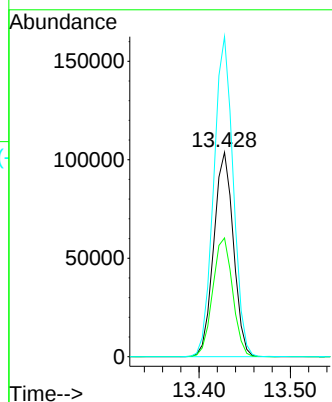
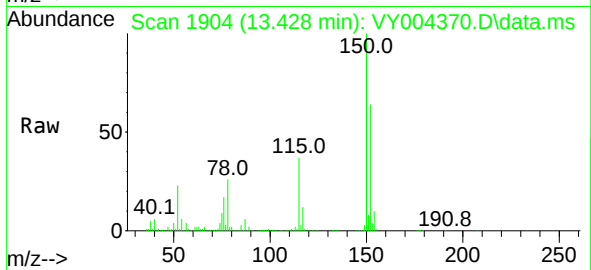




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY004370.D
 Acq: 09 Apr 2021 20:01

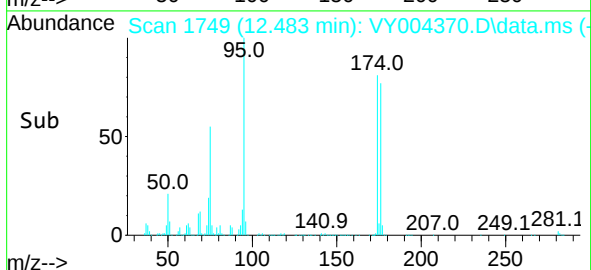
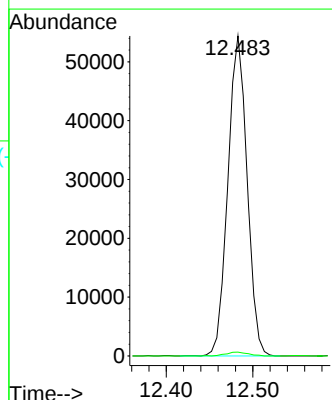
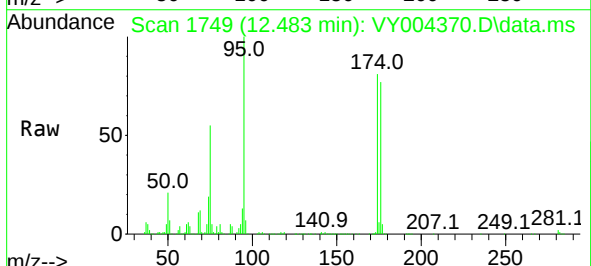
Instrument :
 MSVOA_Y
 ClientSampled :
 T-2

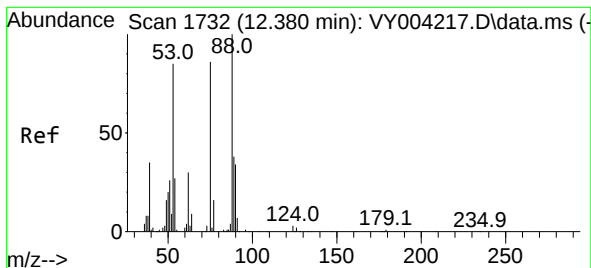
Tgt Ion:152 Resp: 155223
 Ion Ratio Lower Upper
 152 100
 115 59.1 29.0 87.1
 150 155.4 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 59.52 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY004370.D
 Acq: 09 Apr 2021 20:01

Tgt Ion: 75 Resp: 83900
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

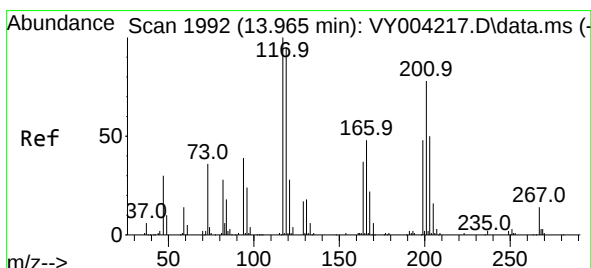
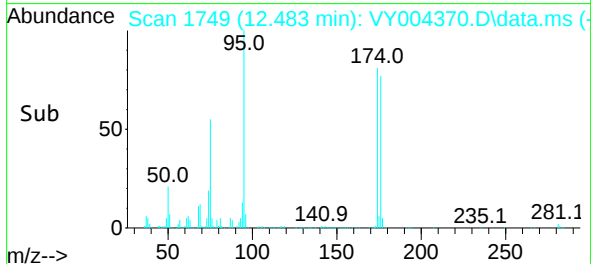
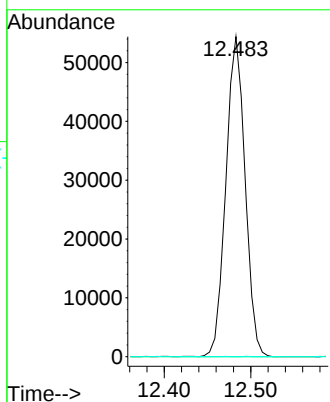
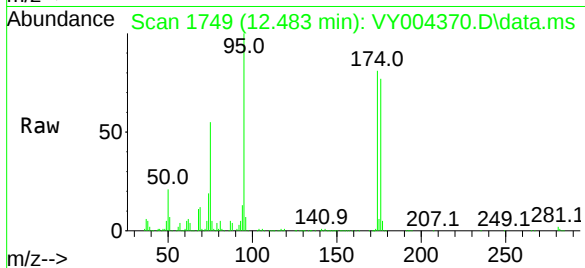




#81
trans-1,4-Dichloro-2-butene
Concen: 109.70 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Instrument :
MSVOA_Y
ClientSampled :
T-2

Tgt Ion: 75 Resp: 83900
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.0 39.4 59.2#



#90
Hexachloroethane
Concen: 7.34 ug/l
RT: 13.983 min Scan# 1995
Delta R.T. 0.018 min
Lab File: VY004370.D
Acq: 09 Apr 2021 20:01

Tgt Ion: 117 Resp: 62
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

