

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040721\
 Data File : VY004314.D
 Acq On : 07 Apr 2021 14:54
 Operator : SY/MD
 Sample : M1955-01
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 08 01:00:50 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)

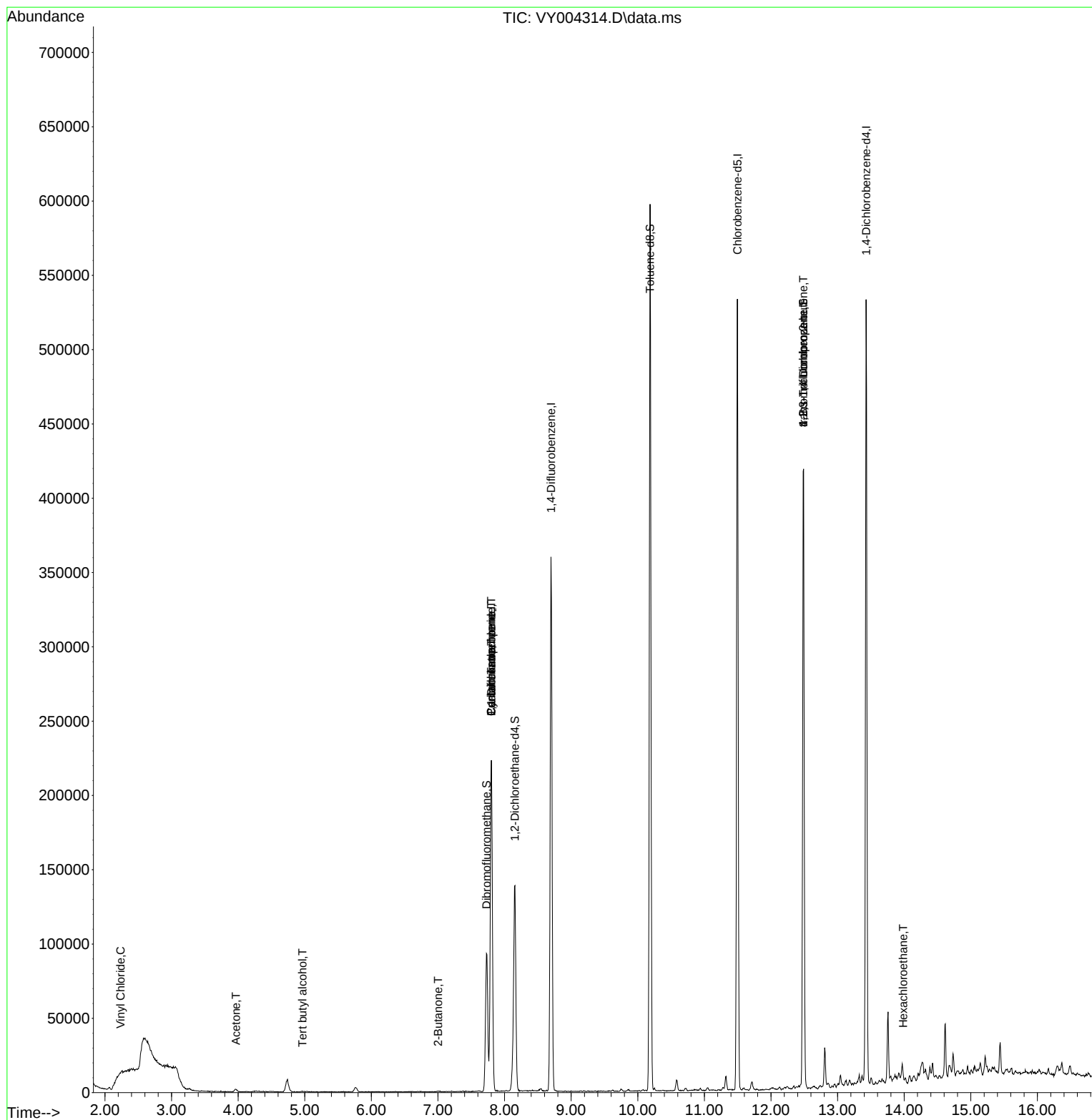
Internal Standards						
1) Pentafluorobenzene	7.801	168	172350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	296637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	276035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126371	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	103506	62.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	124.94%		
35) Dibromofluoromethane	7.728	113	66108	40.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.00%		
50) Toluene-d8	10.185	98	362141	58.25	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	116.50%		
62) 4-Bromofluorobenzene	12.483	95	122543	57.52	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	115.04%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.235	62	8675	3.86	ug/l #	42
11) Tert butyl alcohol	4.966	59	613	4.55	ug/l #	71
13) Acrolein	3.741	56	33	Below Cal		99
16) Acetone	3.967	43	3268	9.47	ug/l	96
25) 2-Butanone	7.003	43	701	1.22	ug/l #	88
31) Cyclohexane	7.801	56	4125	1.41	ug/l #	21
36) 1,1-Dichloropropene	7.801	75	13592	5.02	ug/l #	50
38) Carbon Tetrachloride	7.801	117	16489	7.00	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	67239	58.60	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67239	107.99	ug/l #	10
90) Hexachloroethane	13.983	117	259	7.58	ug/l #	12

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

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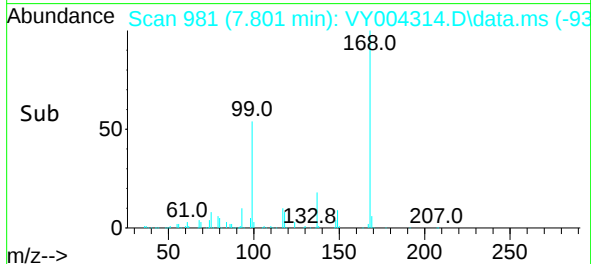
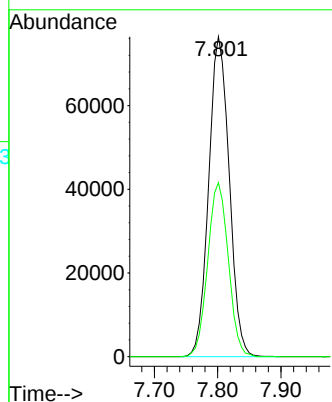
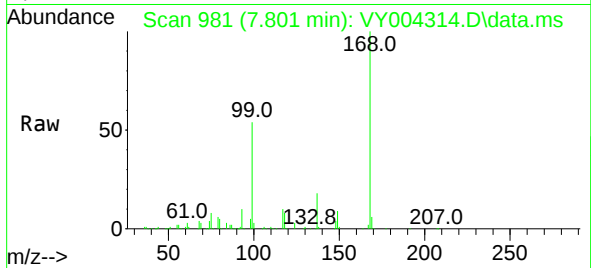




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

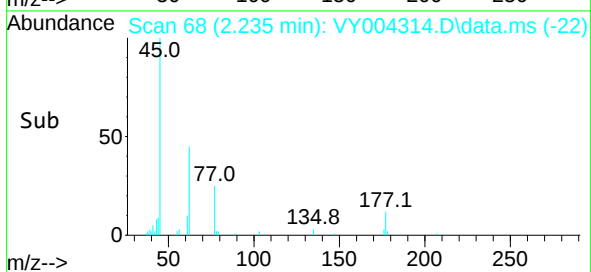
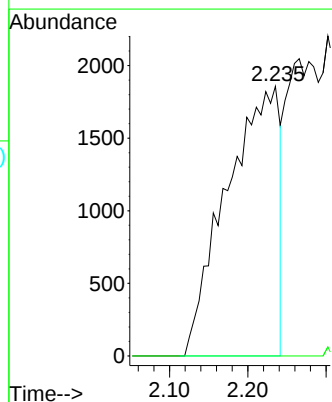
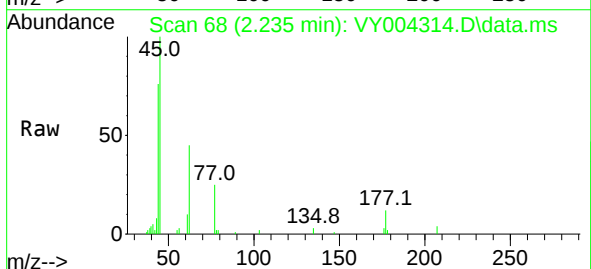
Instrument :
MSVOA_Y
ClientSampleId :

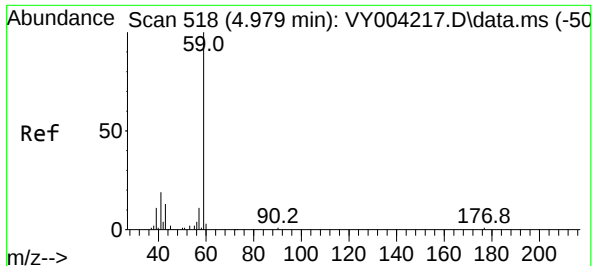
Tgt Ion:168 Resp: 172350
Ion Ratio Lower Upper
168 100
99 54.4 42.6 64.0



#4
Vinyl Chloride
Concen: 3.86 ug/l
RT: 2.235 min Scan# 68
Delta R.T. -0.018 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Tgt Ion: 62 Resp: 8675
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



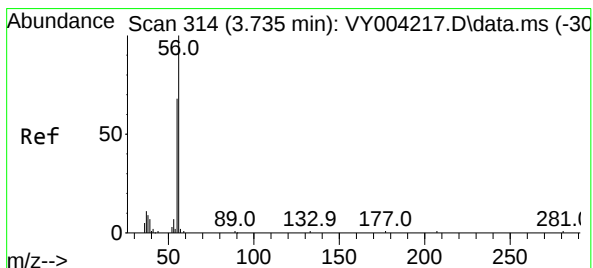
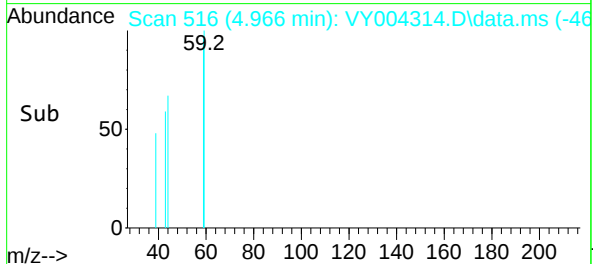
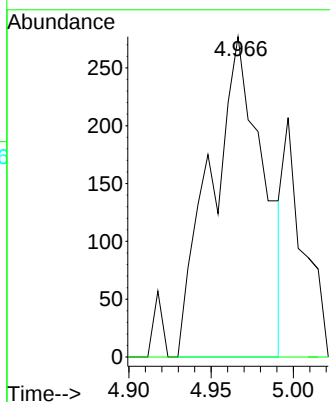
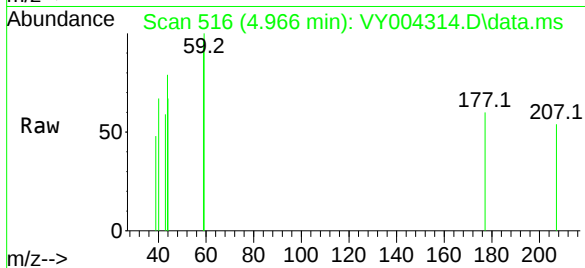


#11

Tert butyl alcohol
Concen: 4.55 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Instrument :
MSVOA_Y
ClientSampled :

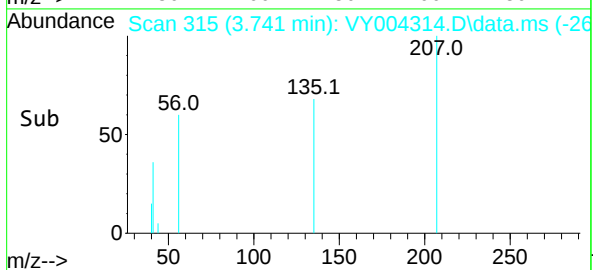
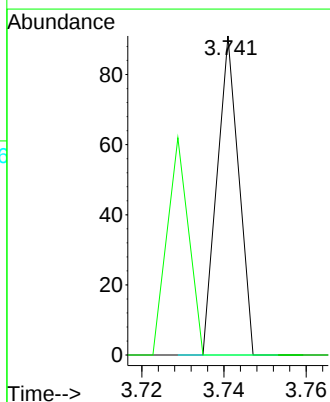
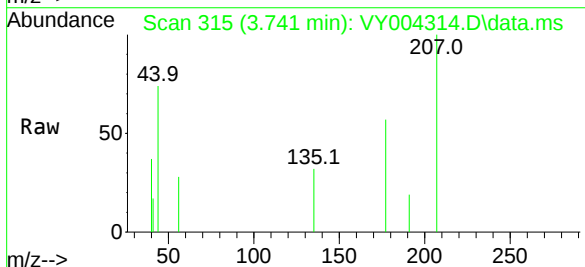
Tgt Ion: 59 Resp: 613
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

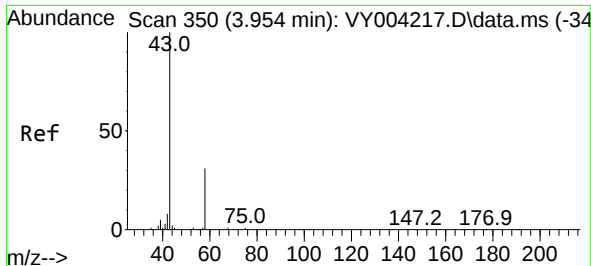


#13

Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 69.7 55.0 82.4

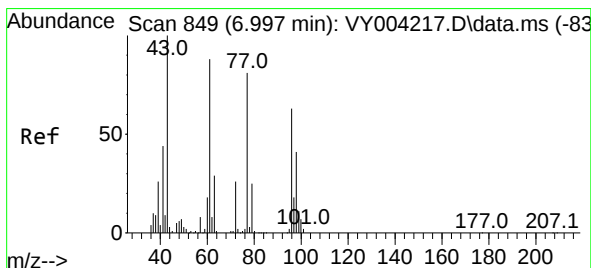
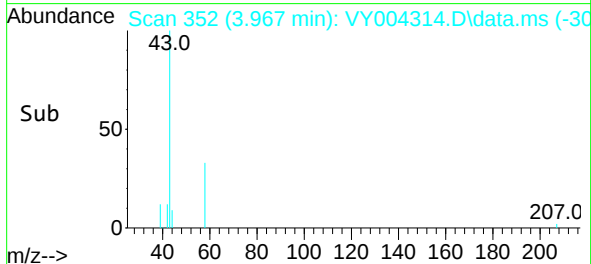
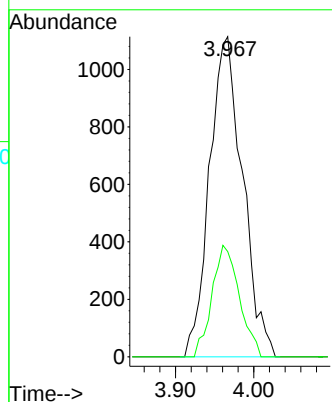
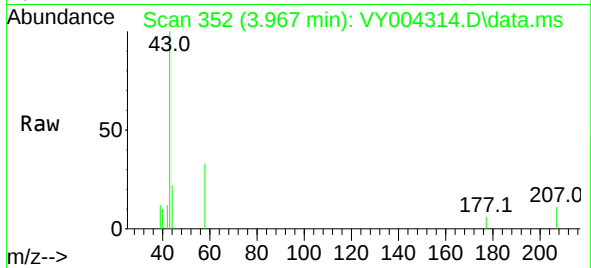




#16
Acetone
Concen: 9.47 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

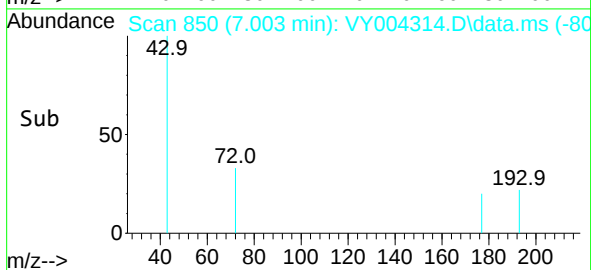
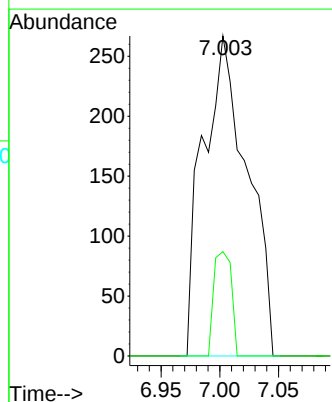
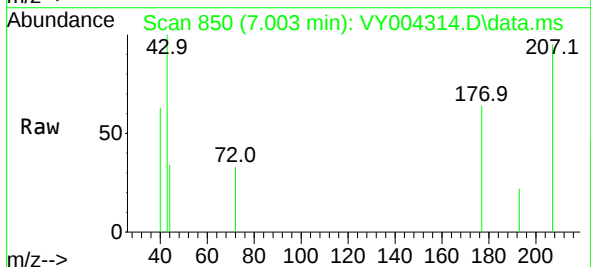
Instrument :
MSVOA_Y
ClientSampled :

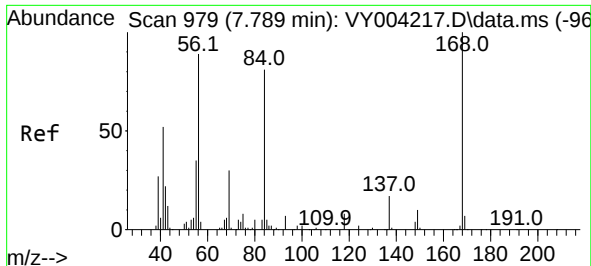
Tgt Ion: 43 Resp: 3268
Ion Ratio Lower Upper
43 100
58 32.9 24.5 36.7



#25
2-Butanone
Concen: 1.22 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

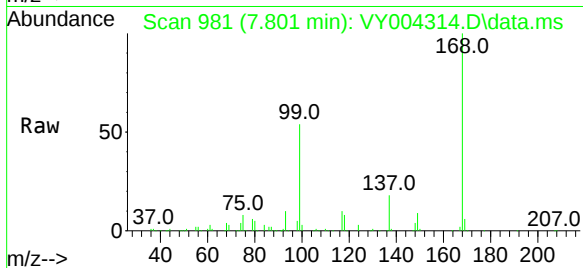
Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
72 32.6 21.0 31.6#



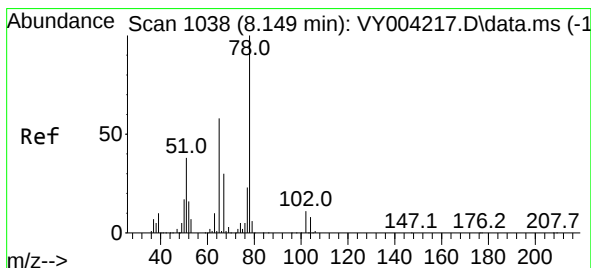
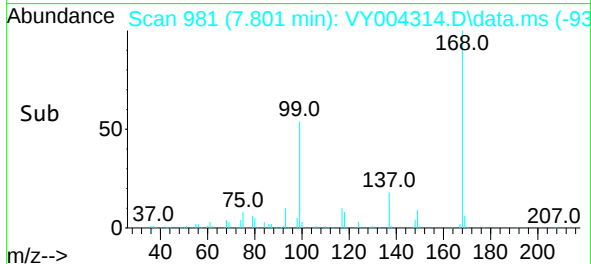
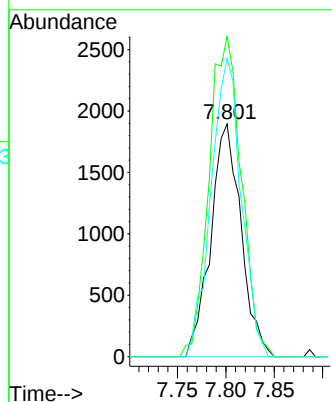


#31
Cyclohexane
Concen: 1.41 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Instrument :
MSVOA_Y
ClientSampleId :

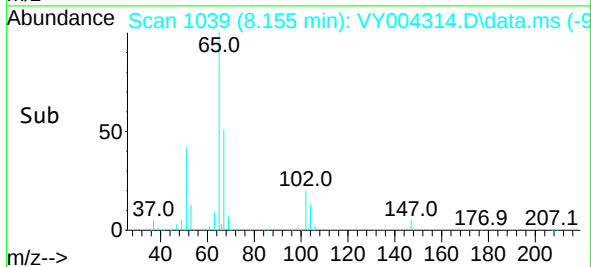
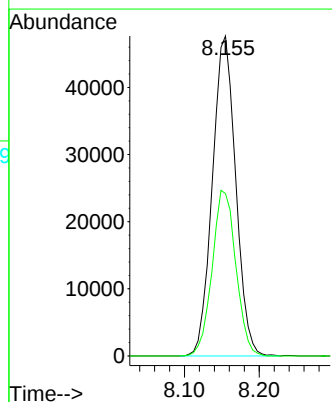
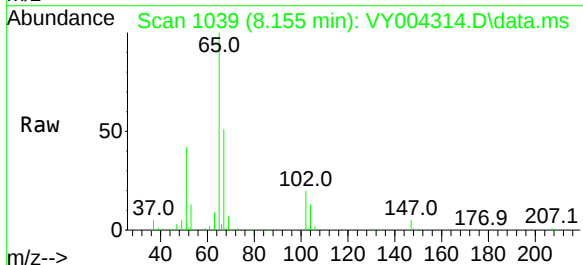


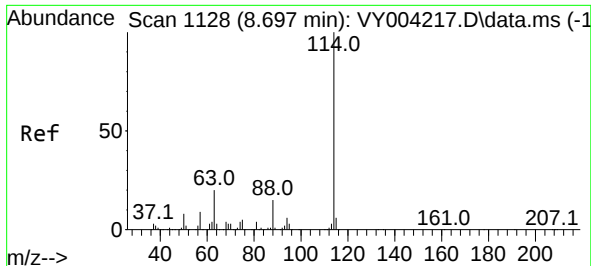
Tgt Ion: 56 Resp: 4125
Ion Ratio Lower Upper
56 100
69 137.5 26.6 40.0#
84 128.2 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 62.47 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Tgt Ion: 65 Resp: 103506
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.2

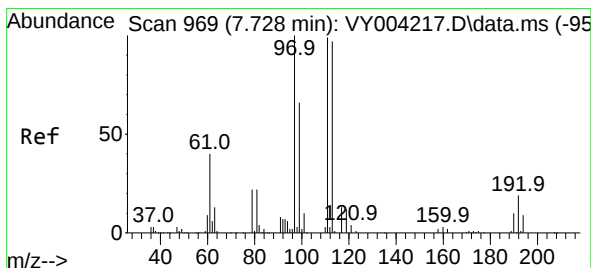
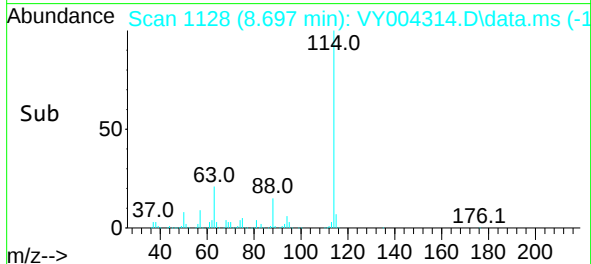
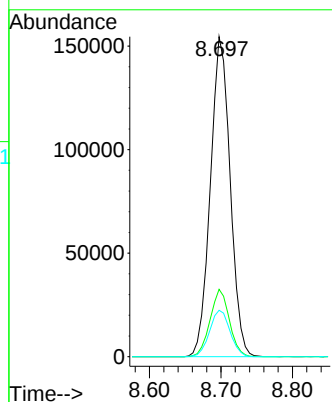
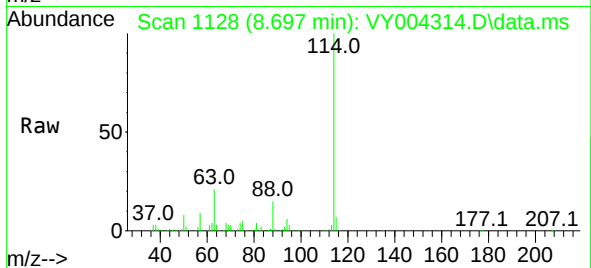




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

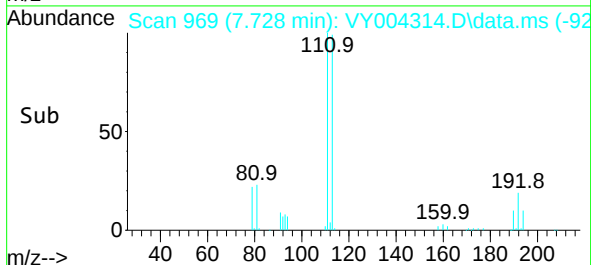
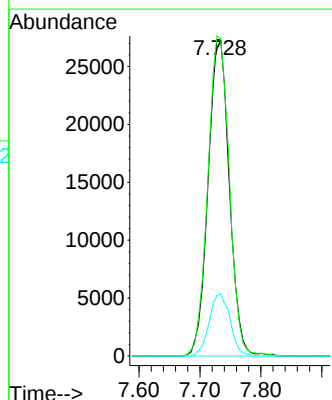
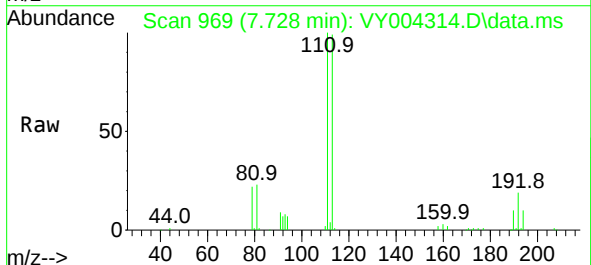
Instrument :
MSVOA_Y
ClientSampleId :

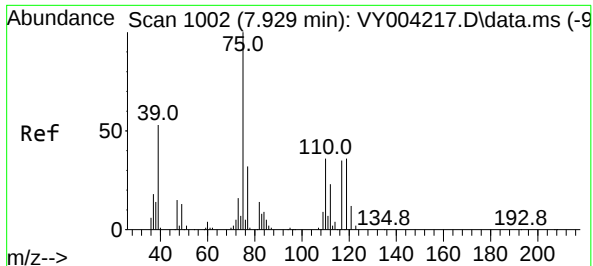
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.4
88	14.5	0.0	30.8



#35
Dibromofluoromethane
Concen: 40.00 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	19.2	16.4	24.6





#36

1,1-Dichloropropene

Concen: 5.02 ug/l

RT: 7.801 min Scan# 981

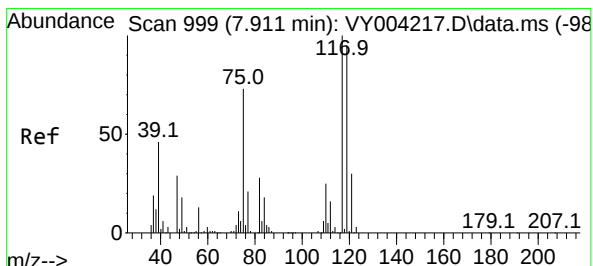
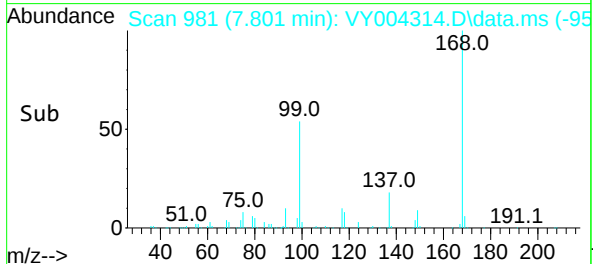
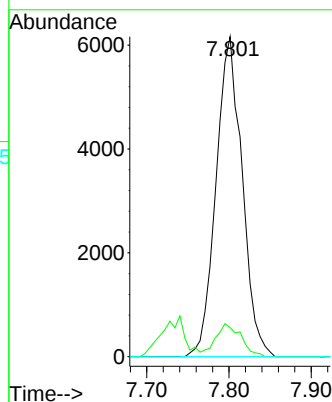
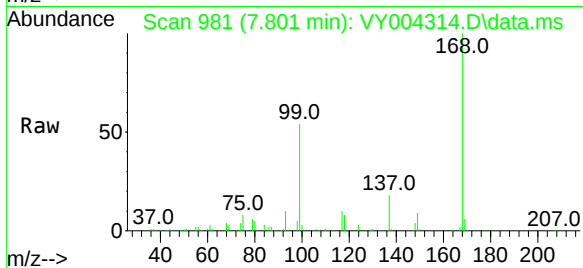
Delta R.T. -0.128 min

Lab File: VY004314.D

Acq: 07 Apr 2021 14:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75	Resp: 13592
Ion Ratio	Lower Upper
75 100	
110 10.1	18.1 54.3#
77 0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.00 ug/l

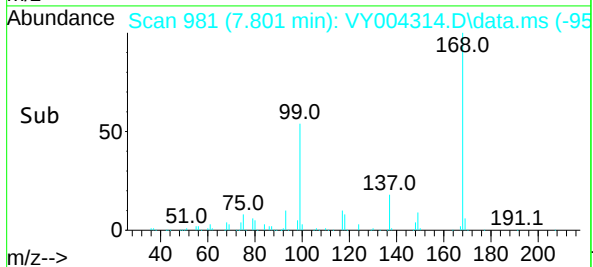
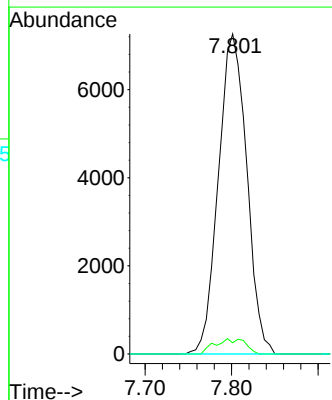
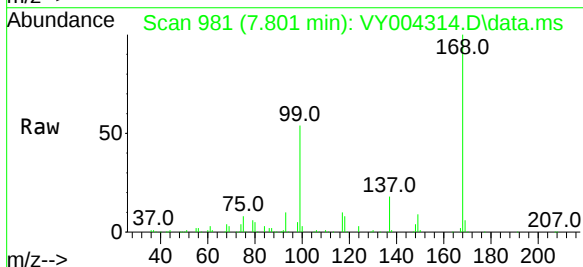
RT: 7.801 min Scan# 981

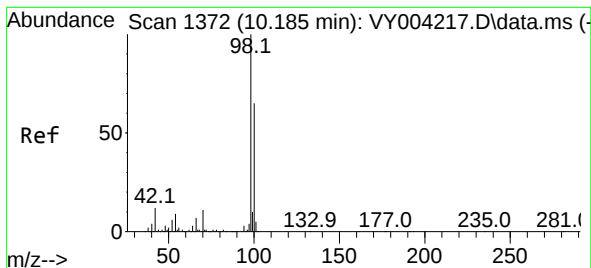
Delta R.T. -0.110 min

Lab File: VY004314.D

Acq: 07 Apr 2021 14:54

Tgt Ion: 117	Resp: 16489
Ion Ratio	Lower Upper
117 100	
119 3.5	75.6 113.4#
121 0.0	24.3 36.5#

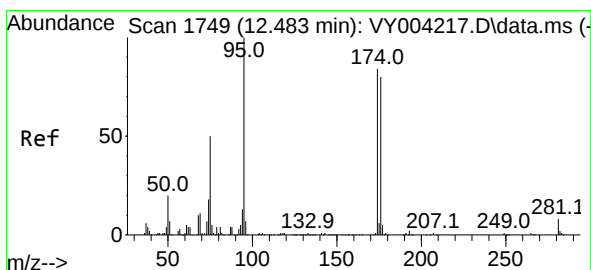
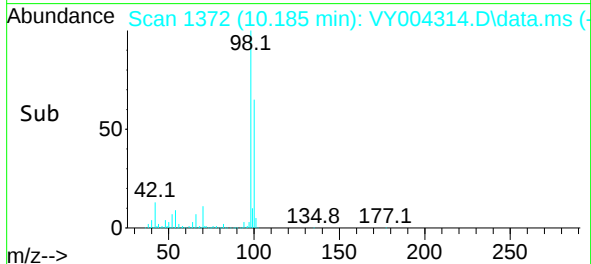
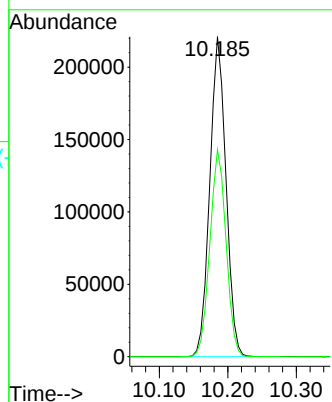
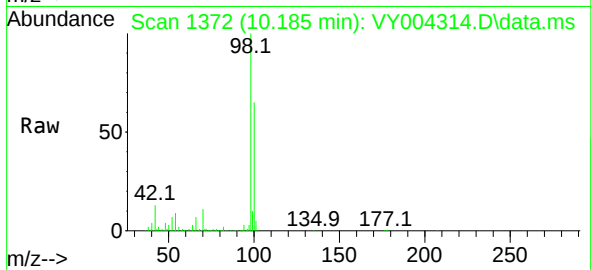




#50
Toluene-d8
Concen: 58.25 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

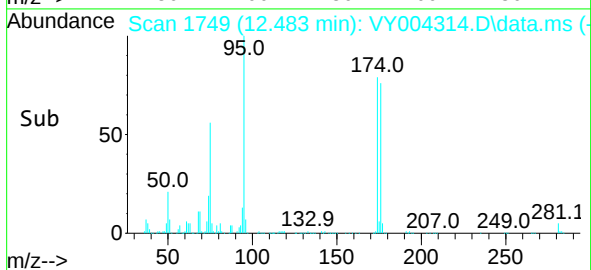
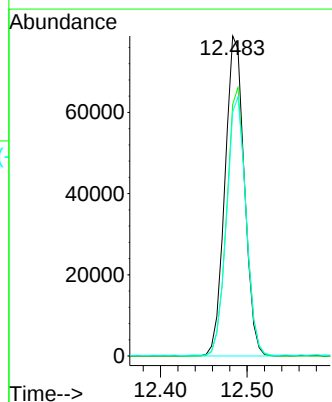
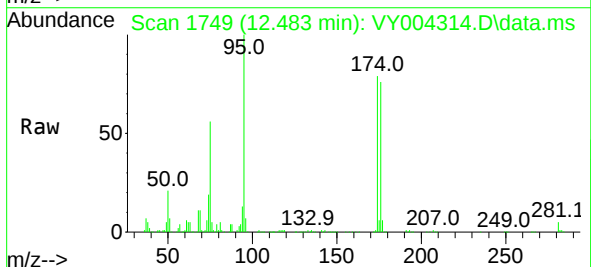
Instrument :
MSVOA_Y
ClientSampled :

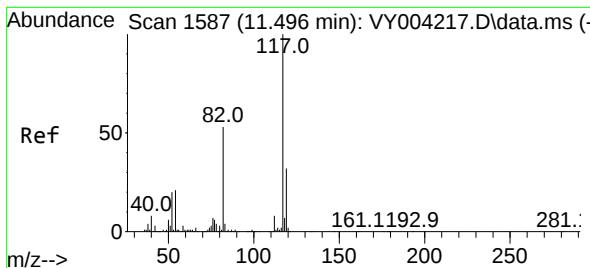
Tgt Ion: 98 Resp: 362141
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 57.52 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Tgt Ion: 95 Resp: 122543
Ion Ratio Lower Upper
95 100
174 82.7 0.0 171.4
176 80.4 0.0 165.6

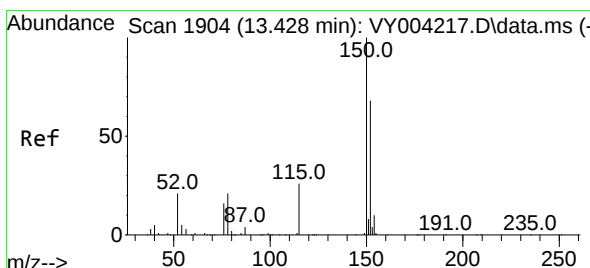
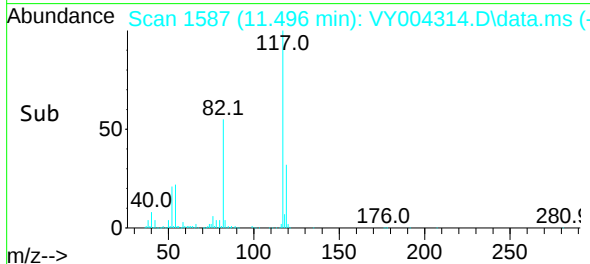
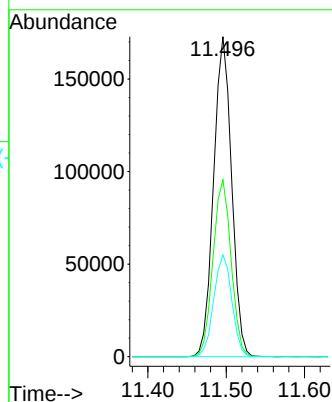
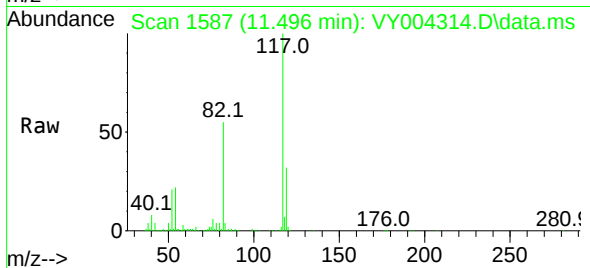




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

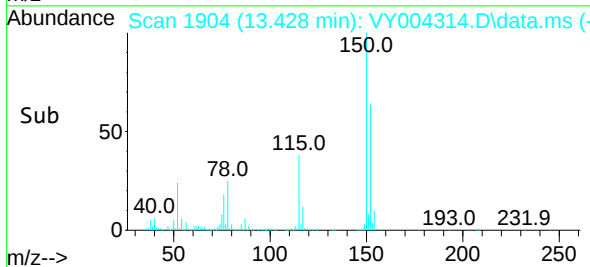
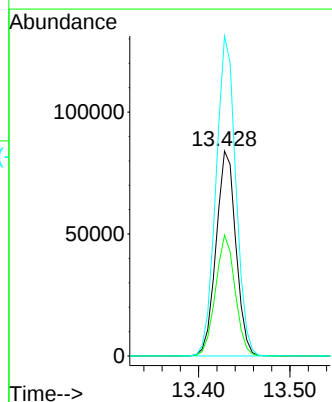
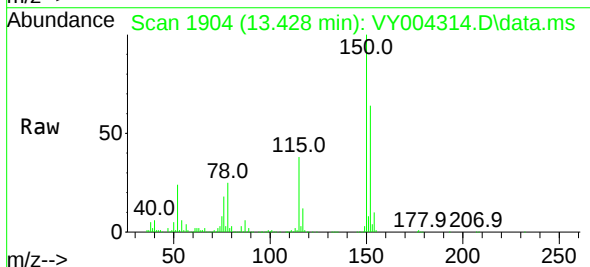
Instrument :
MSVOA_Y
ClientSampleId :

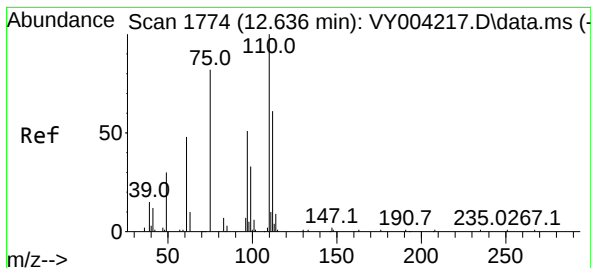
Tgt Ion:117 Resp: 276035
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Tgt Ion:152 Resp: 126371
Ion Ratio Lower Upper
152 100
115 58.2 29.0 87.1
150 156.2 0.0 347.4

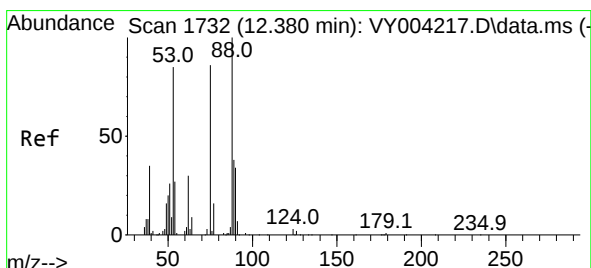
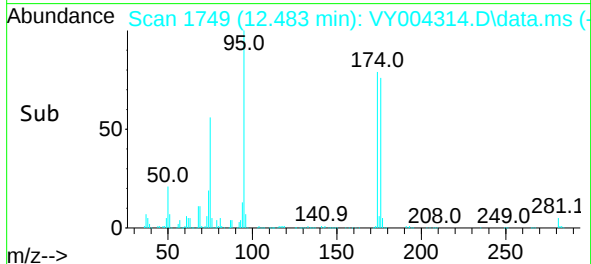
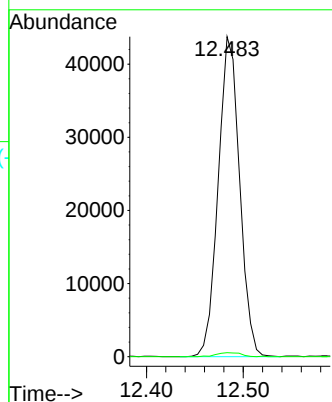
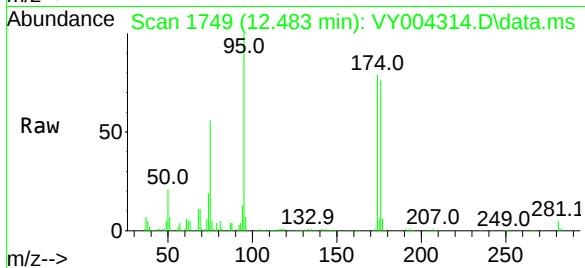




#76
1,2,3-Trichloropropane
Concen: 58.60 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

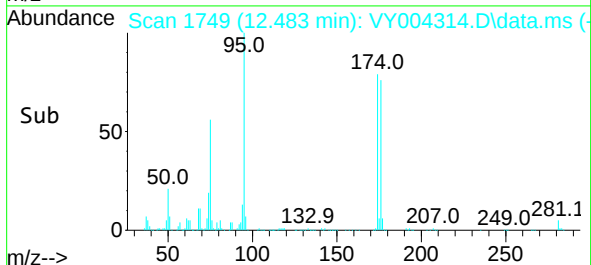
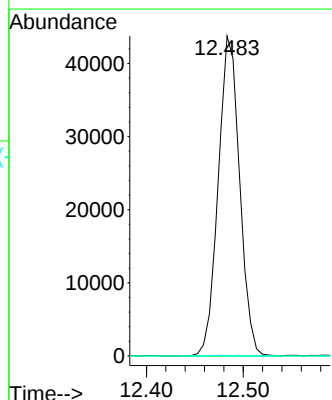
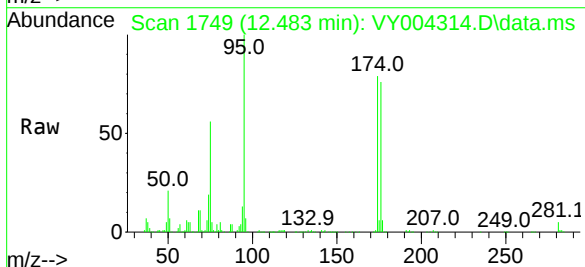
Instrument :
MSVOA_Y
ClientSampleId :

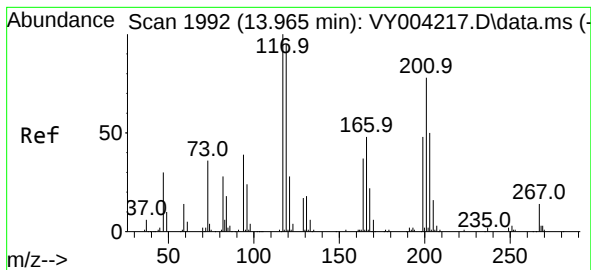
Tgt Ion: 75 Resp: 67239
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.99 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004314.D
Acq: 07 Apr 2021 14:54

Tgt Ion: 75 Resp: 67239
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.1 39.4 59.2#





#90
 Hexachloroethane
 Concen: 7.58 ug/l
 RT: 13.983 min Scan# 1995
 Delta R.T. 0.018 min
 Lab File: VY004314.D
 Acq: 07 Apr 2021 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:117 Resp: 259
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#

