

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061721\
 Data File : VY005150.D
 Acq On : 17 Jun 2021 12:27
 Operator : SY/MD
 Sample : VY0617SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 18 02:59:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 16 04:40:35 2021
 Response via : Initial Calibration

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

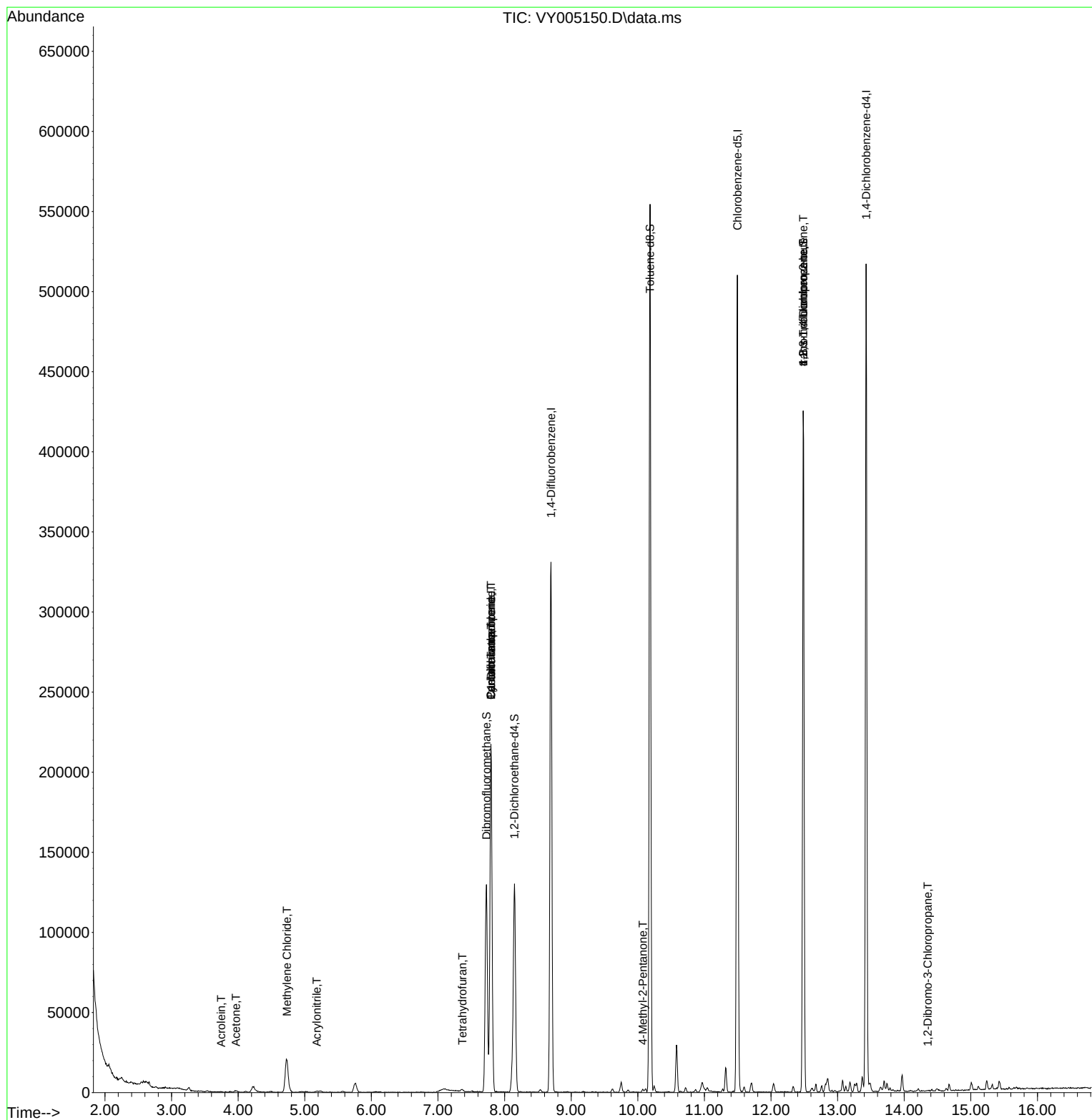
Internal Standards						
1) Pentafluorobenzene	7.795	168	166811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	298835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	284419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	99372	61.611	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.220%			
35) Dibromofluoromethane	7.728	113	90229	70.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 140.500%			
50) Toluene-d8	10.185	98	360604	56.641	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.280%			
62) 4-Bromofluorobenzene	12.483	95	120079	56.081	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.160%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	688	Below Cal	#	74
13) Acrolein	3.747	56	344	2.191	ug/l #	39
15) Acrylonitrile	5.180	53	942	2.117	ug/l #	82
16) Acetone	3.966	43	1931	5.886	ug/l #	84
20) Methylene Chloride	4.735	84	16383	2.619	ug/l	96
29) Tetrahydrofuran	7.368	42	753	2.221	ug/l	94
31) Cyclohexane	7.795	56	3504	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	12262	4.481	ug/l #	50
38) Carbon Tetrachloride	7.795	117	17340	5.968	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	1403	1.074	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	64673	55.170	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64673	102.923	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.355	75	369	1.165	ug/l #	3

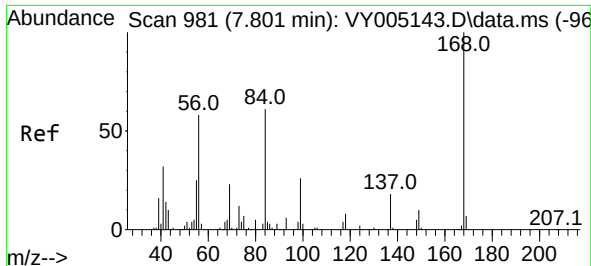
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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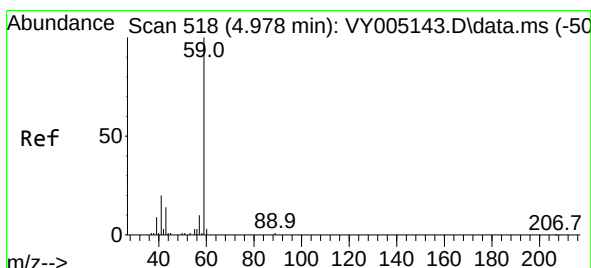
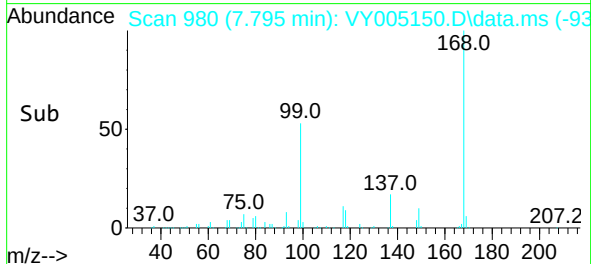
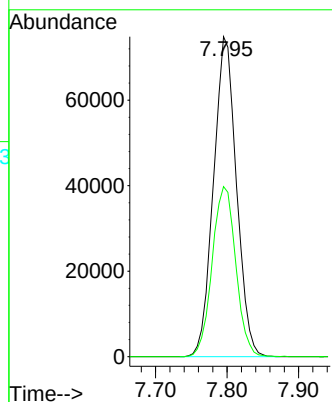
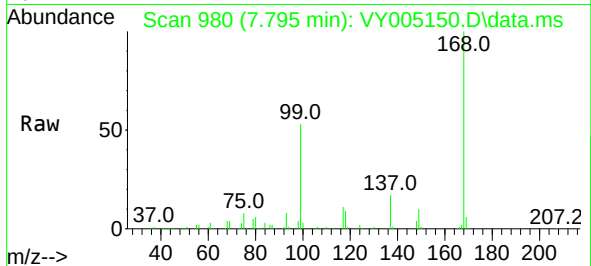




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

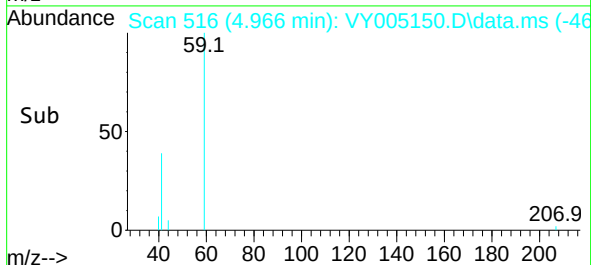
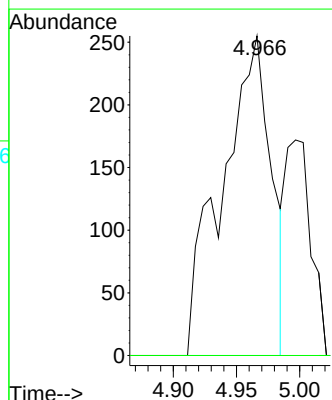
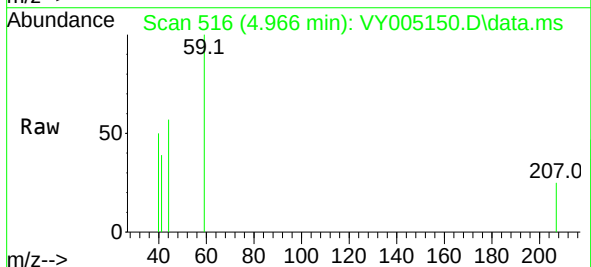
Instrument :
MSVOA_Y
ClientSampleId :

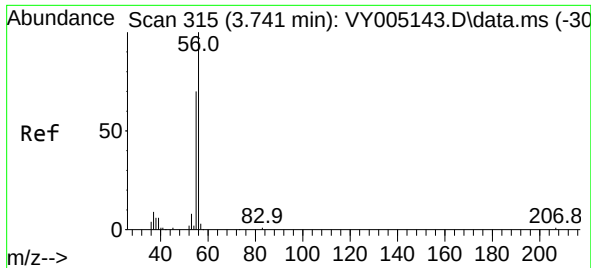
Tgt Ion:168 Resp: 166811
Ion Ratio Lower Upper
168 100
99 53.1 44.5 66.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

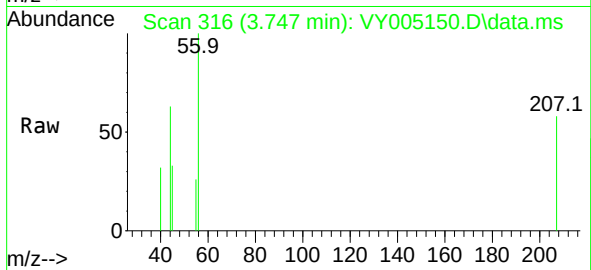
Tgt Ion: 59 Resp: 688
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



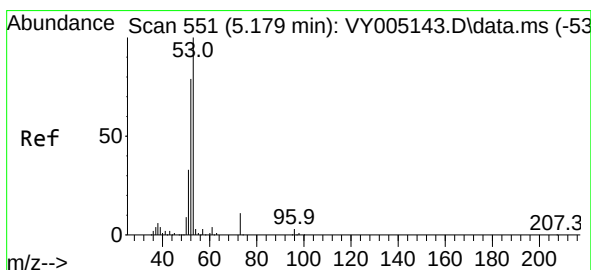
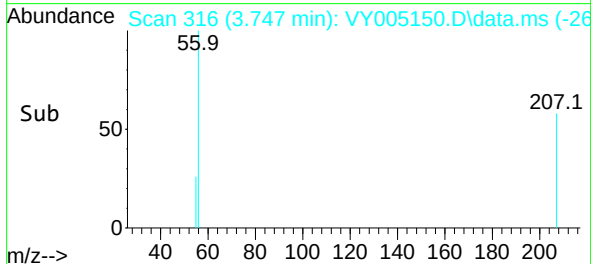
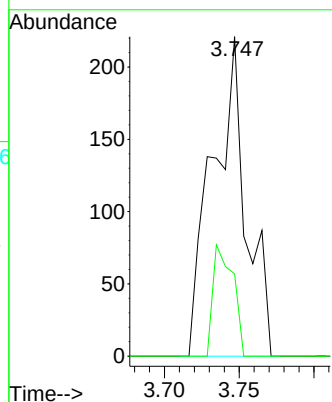


#13
Acrolein
Concen: 2.191 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

Instrument :
MSVOA_Y
ClientSampled :

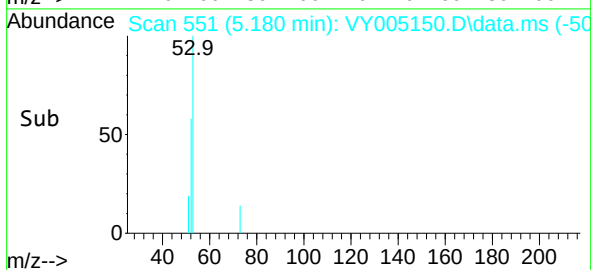
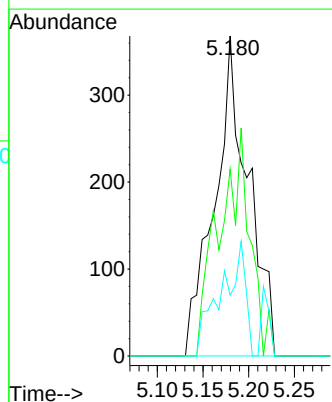
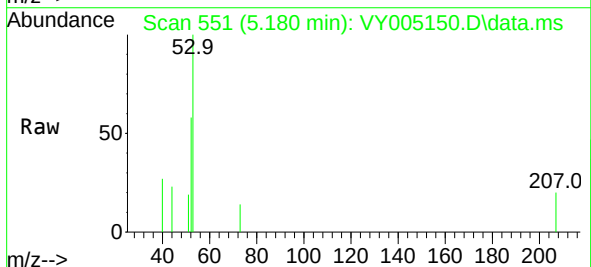


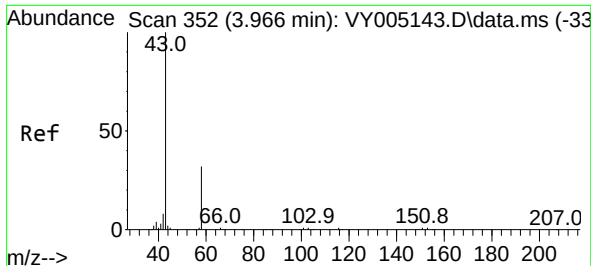
Tgt Ion: 56 Resp: 344
Ion Ratio Lower Upper
56 100
55 20.9 57.6 86.4#



#15
Acrylonitrile
Concen: 2.117 ug/l
RT: 5.180 min Scan# 551
Delta R.T. 0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

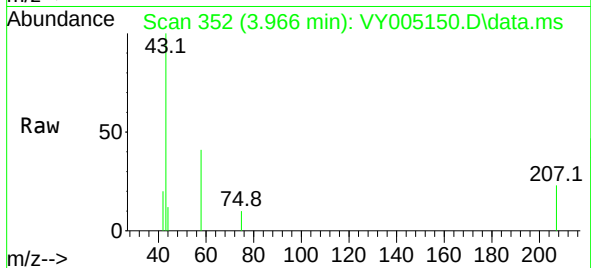
Tgt Ion: 53 Resp: 942
Ion Ratio Lower Upper
53 100
52 65.1 65.6 98.4#
51 26.2 28.8 43.2#



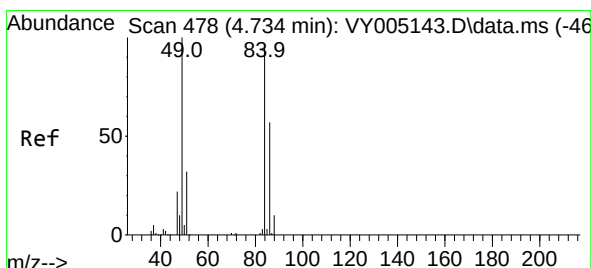
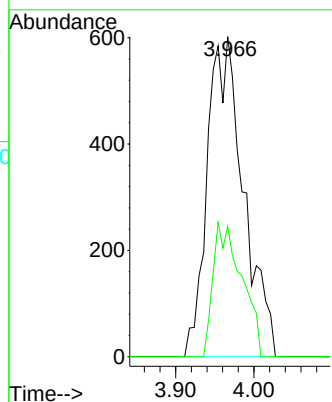
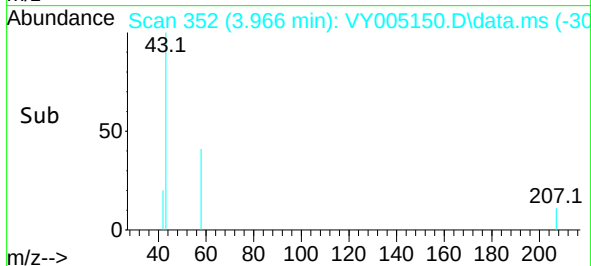


#16
Acetone
Concen: 5.886 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

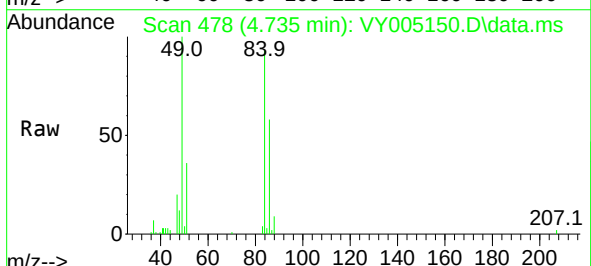
Instrument :
MSVOA_Y
ClientSampled :



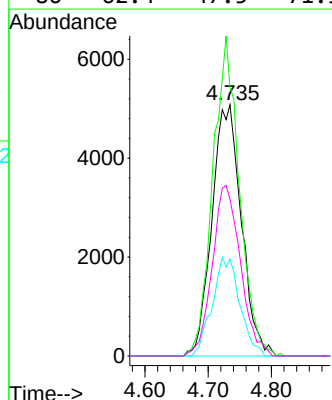
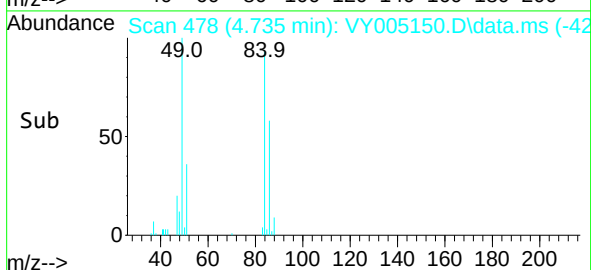
Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
58 40.7 25.6 38.4#

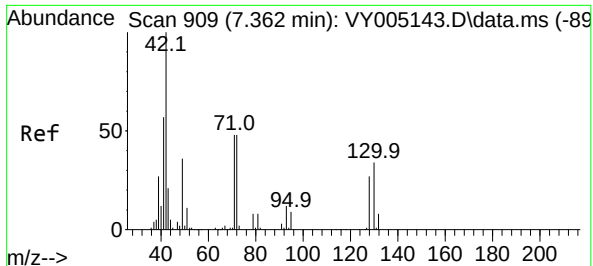


#20
Methylene Chloride
Concen: 2.619 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.001 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27



Tgt Ion: 84 Resp: 16383
Ion Ratio Lower Upper
84 100
49 107.2 83.4 125.2
51 38.5 26.8 40.2
86 62.4 47.5 71.3





#29

Tetrahydrofuran

Concen: 2.221 ug/l

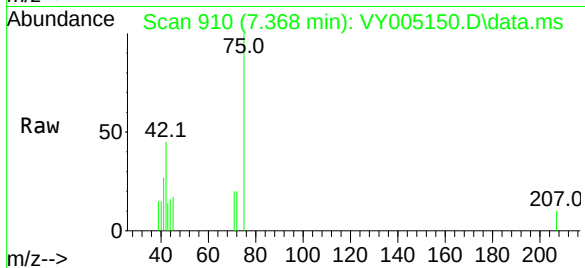
RT: 7.368 min Scan# 910

Delta R.T. 0.006 min

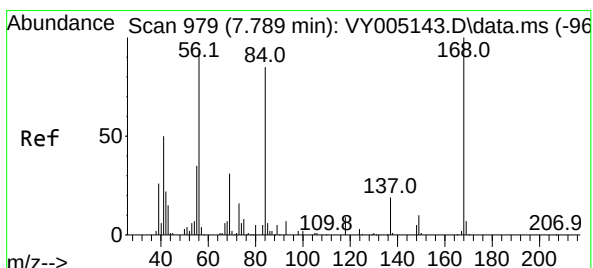
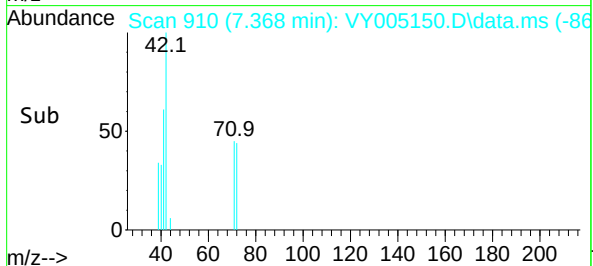
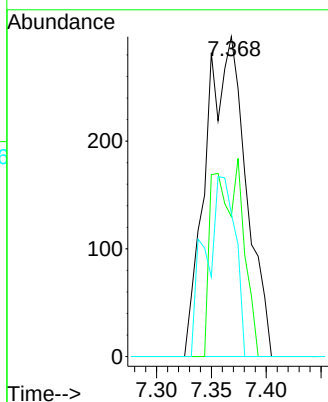
Lab File: VY005150.D

Acq: 17 Jun 2021 12:27

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	42	Resp:	753
Ion	Ratio	Lower	Upper
42	100		
72	45.9	39.4	59.2
71	41.4	37.4	56.2



#31

Cyclohexane

Concen: 1.277 ug/l

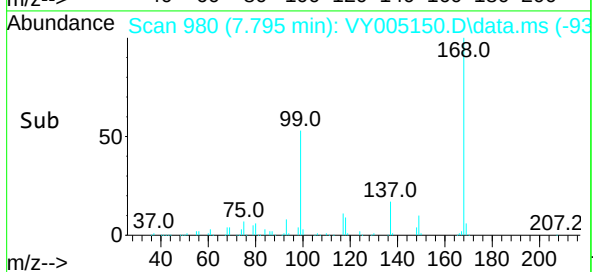
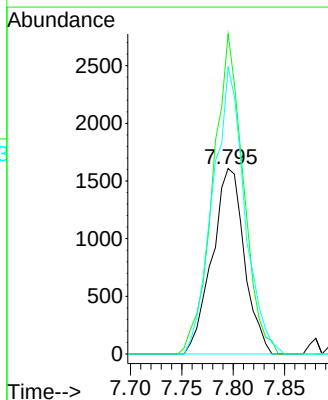
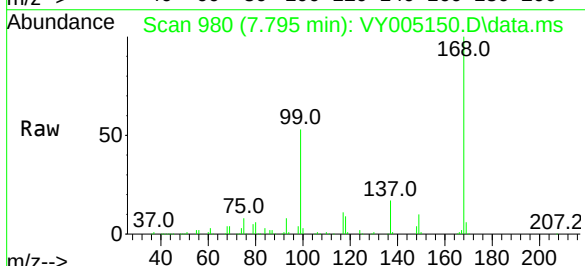
RT: 7.795 min Scan# 980

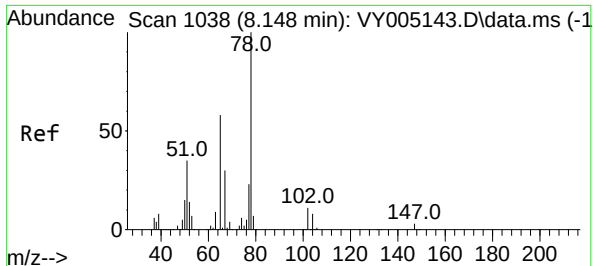
Delta R.T. 0.006 min

Lab File: VY005150.D

Acq: 17 Jun 2021 12:27

Tgt Ion:	56	Resp:	3504
Ion	Ratio	Lower	Upper
56	100		
69	172.6	26.3	39.5#
84	154.6	73.2	109.8#

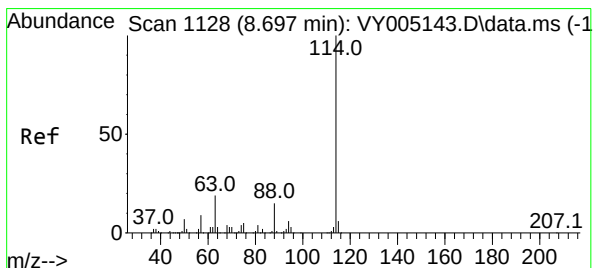
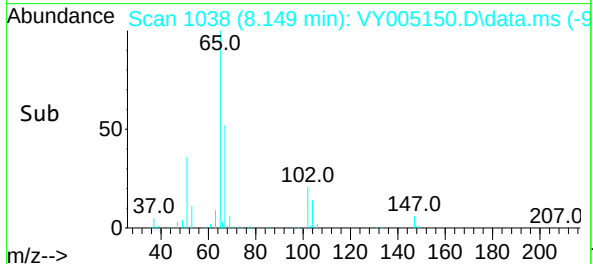
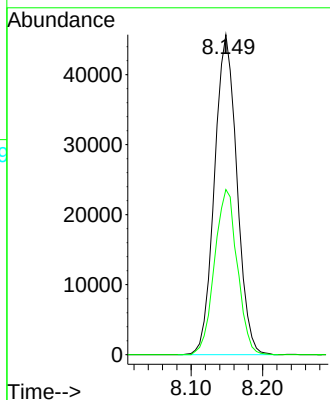
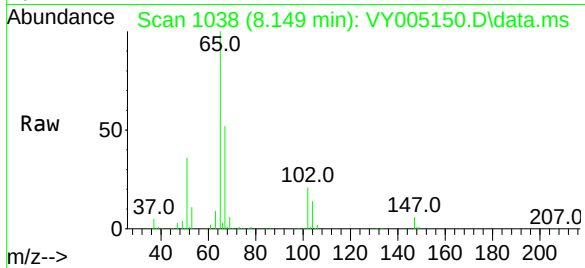




#33
1,2-Dichloroethane-d4
Concen: 61.611 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

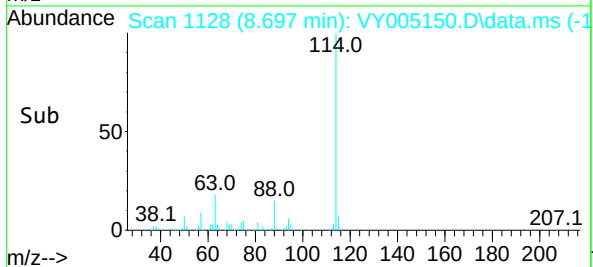
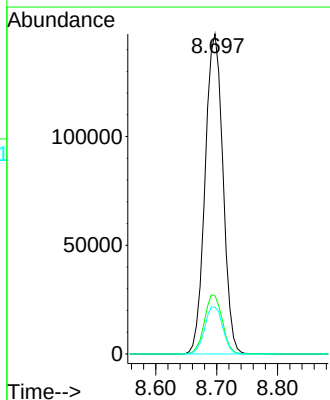
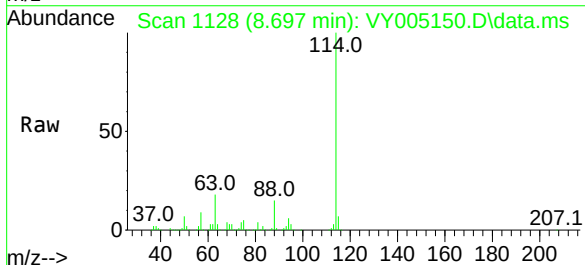
Instrument :
MSVOA_Y
ClientSampled :

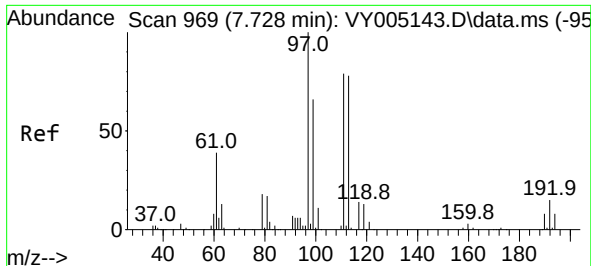
Tgt Ion: 65 Resp: 99372
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

Tgt Ion: 114 Resp: 298835
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.6
88 14.7 0.0 29.6

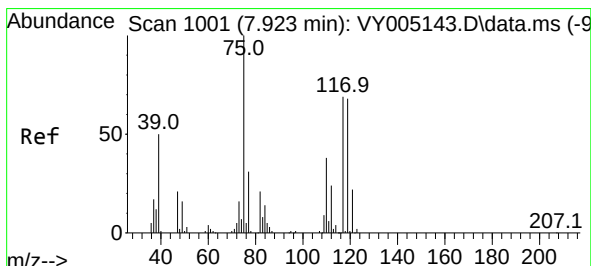
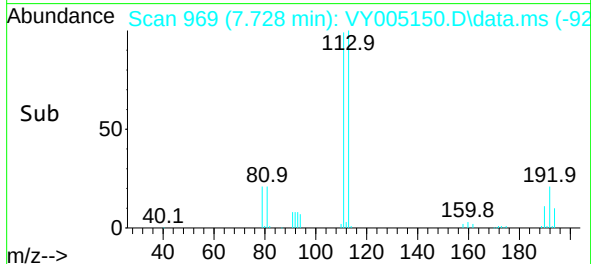
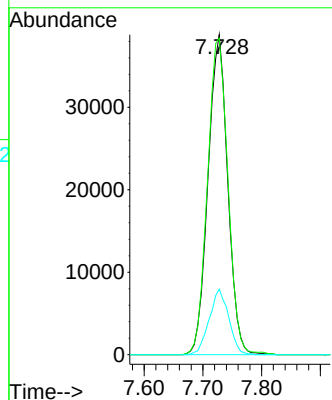
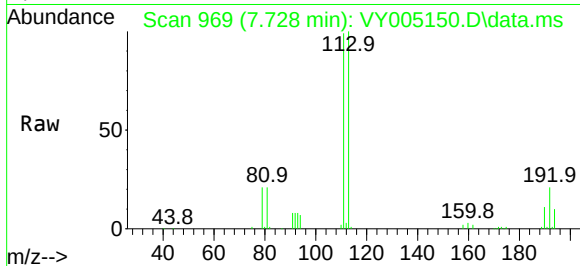




#35
Dibromofluoromethane
Concen: 70.246 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

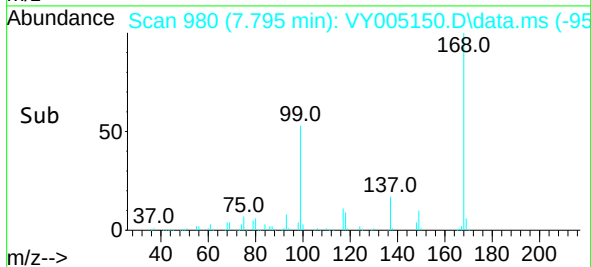
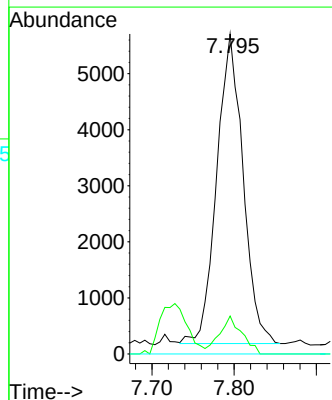
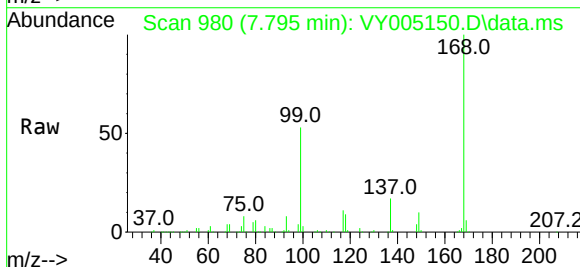
Instrument :
MSVOA_Y
ClientSampleId :

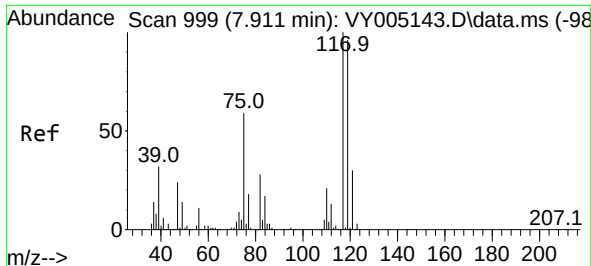
Tgt Ion:113 Resp: 90229
Ion Ratio Lower Upper
113 100
111 102.7 82.3 123.5
192 20.3 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.481 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

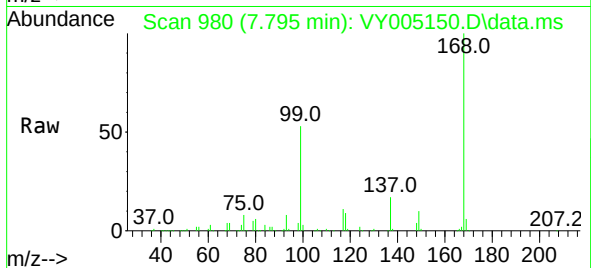
Tgt Ion: 75 Resp: 12262
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.3#
77 0.0 24.6 36.8#



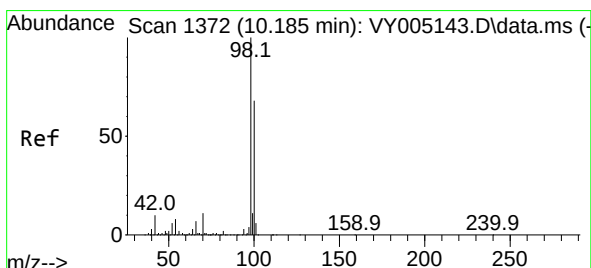
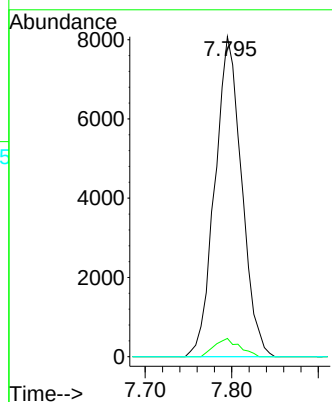
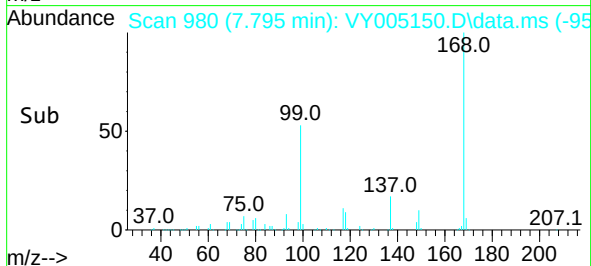


#38
Carbon Tetrachloride
Concen: 5.968 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

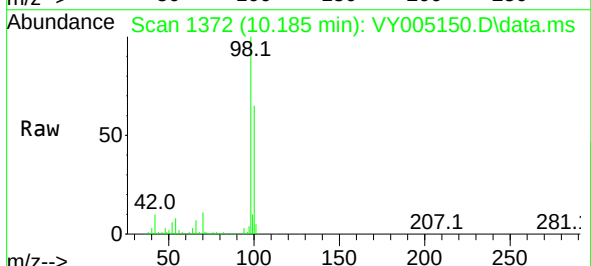
Instrument :
MSVOA_Y
ClientSampleId :



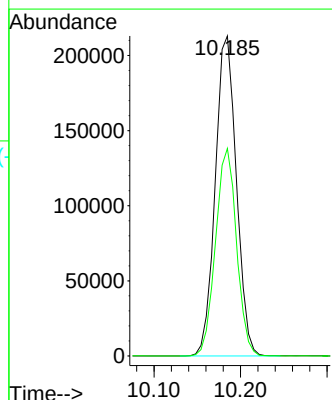
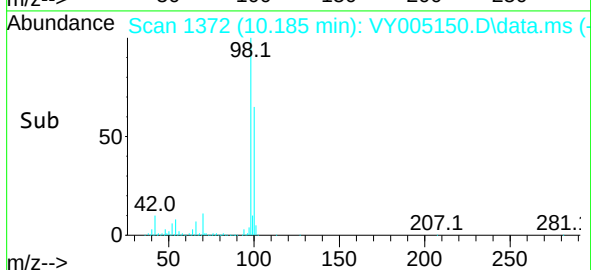
Tgt Ion:117 Resp: 17340
Ion Ratio Lower Upper
117 100
119 5.7 76.9 115.3#
121 0.0 24.2 36.4#

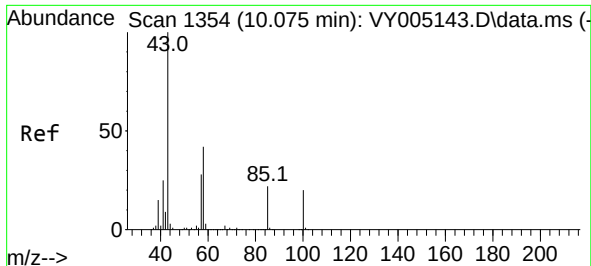


#50
Toluene-d8
Concen: 56.641 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27



Tgt Ion: 98 Resp: 360604
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6

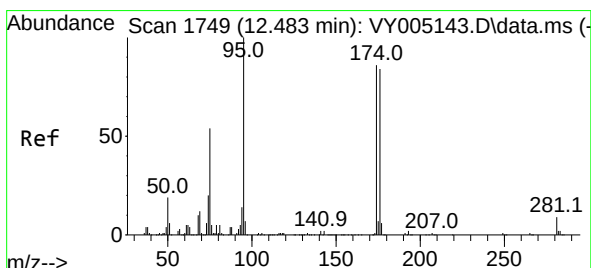
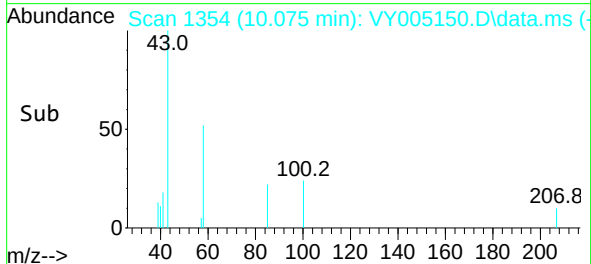
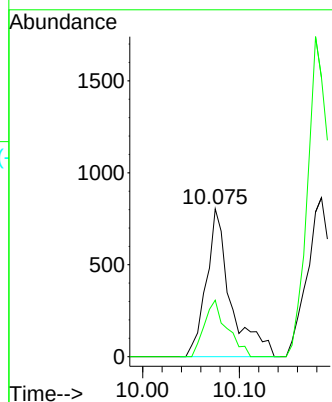
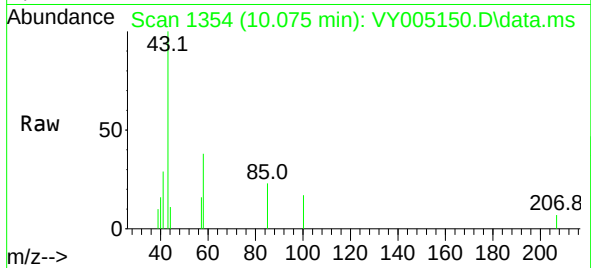




#51
4-Methyl-2-Pentanone
Concen: 1.074 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

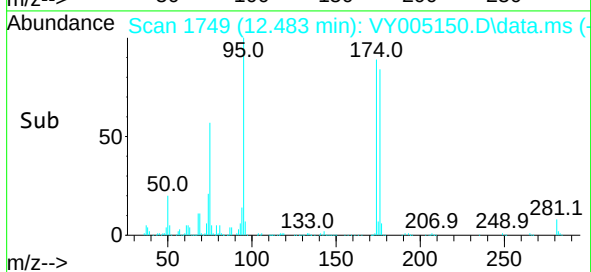
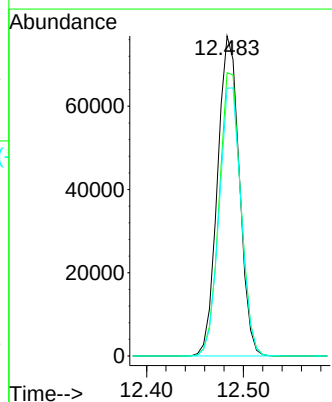
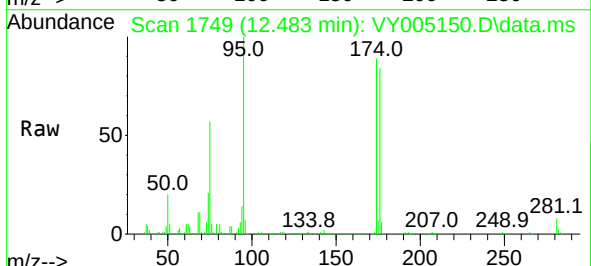
Instrument :
MSVOA_Y
ClientSampled :

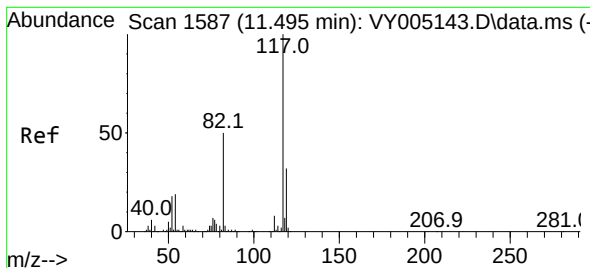
Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 35.9 33.0 49.4



#62
4-Bromofluorobenzene
Concen: 56.081 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

Tgt Ion: 95 Resp: 120079
Ion Ratio Lower Upper
95 100
174 88.1 0.0 179.2
176 84.3 0.0 174.0

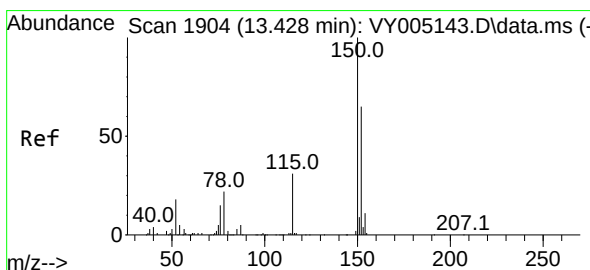
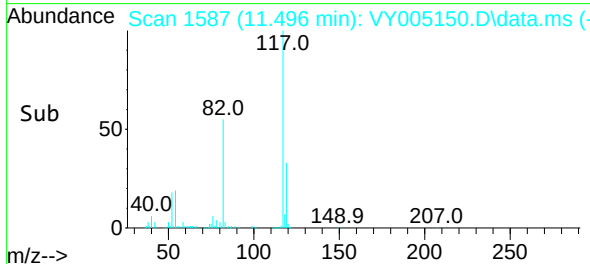
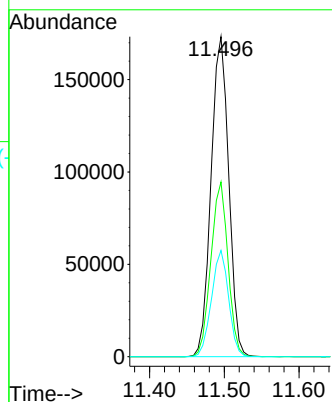
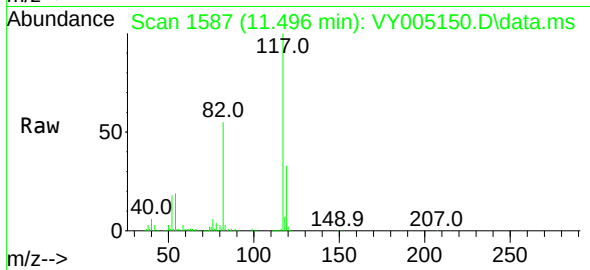




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

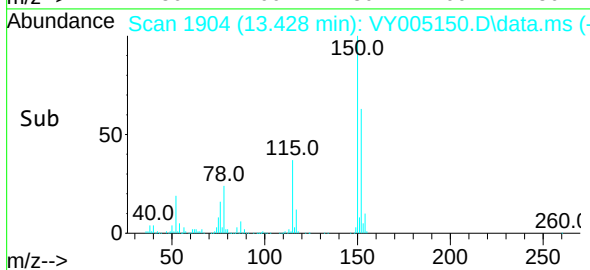
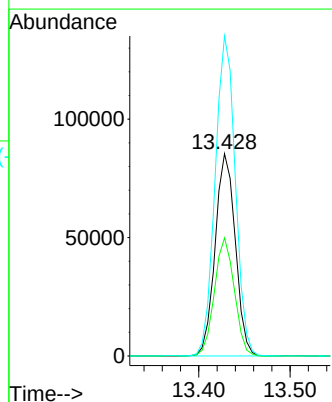
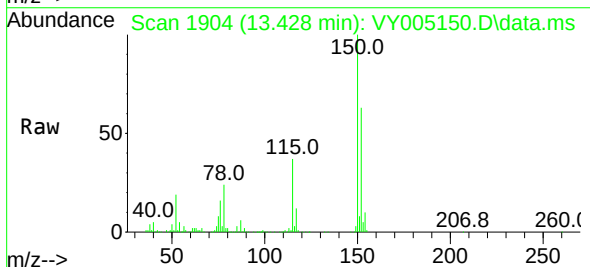
Instrument :
MSVOA_Y
ClientSampleId :

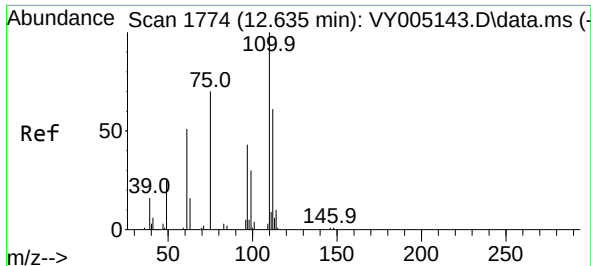
Tgt Ion:117 Resp: 284419
Ion Ratio Lower Upper
117 100
82 54.6 39.8 59.6
119 33.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

Tgt Ion:152 Resp: 130962
Ion Ratio Lower Upper
152 100
115 57.4 29.5 88.6
150 158.2 0.0 348.2

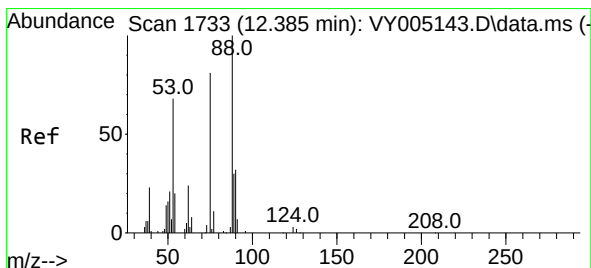
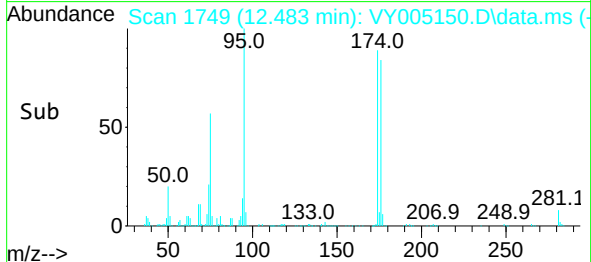
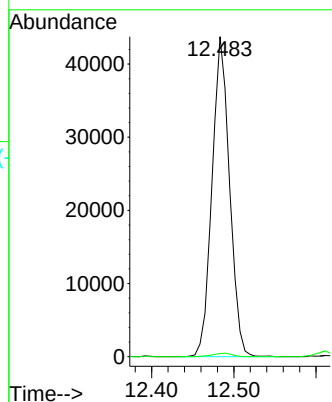
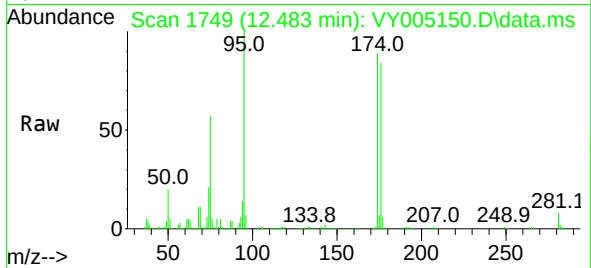




#76
1,2,3-Trichloropropane
Concen: 55.170 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

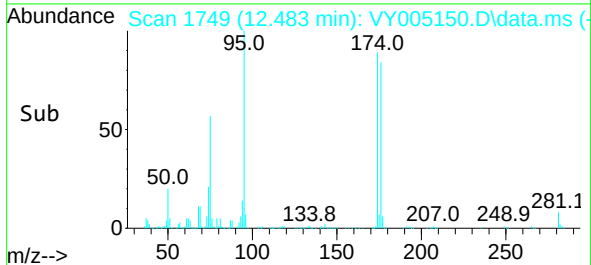
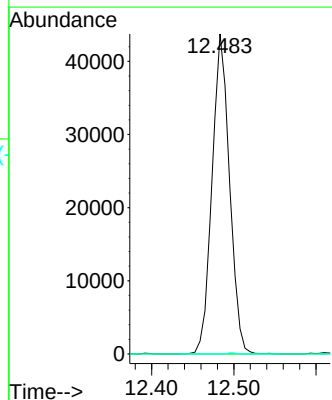
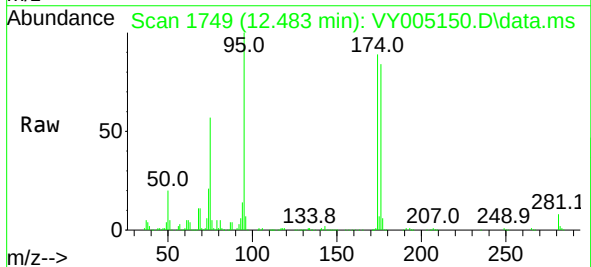
Instrument :
MSVOA_Y
ClientSampled :

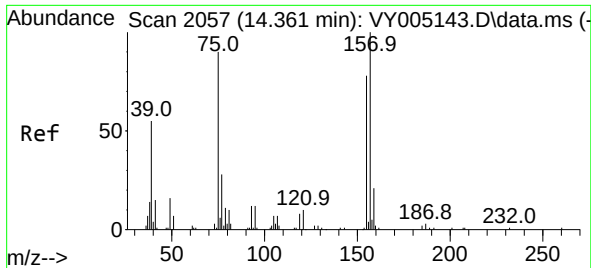
Tgt Ion: 75 Resp: 64673
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.923 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY005150.D
Acq: 17 Jun 2021 12:27

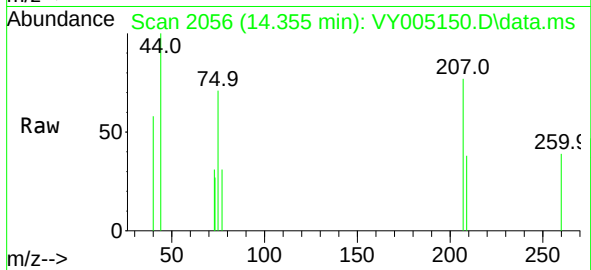
Tgt Ion: 75 Resp: 64673
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.2 44.1 66.1#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.165 ug/l
 RT: 14.355 min Scan# 2056
 Delta R.T. -0.006 min
 Lab File: VY005150.D
 Acq: 17 Jun 2021 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 369
 Ion Ratio Lower Upper
 75 100
 155 6.0 43.4 130.2#
 157 0.0 54.7 164.1#

