

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091021\
 Data File : VY005991.D
 Acq On : 10 Sep 2021 18:26
 Operator : SY/MD
 Sample : M3684-21
 Misc : 4.23G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 11 01:23:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

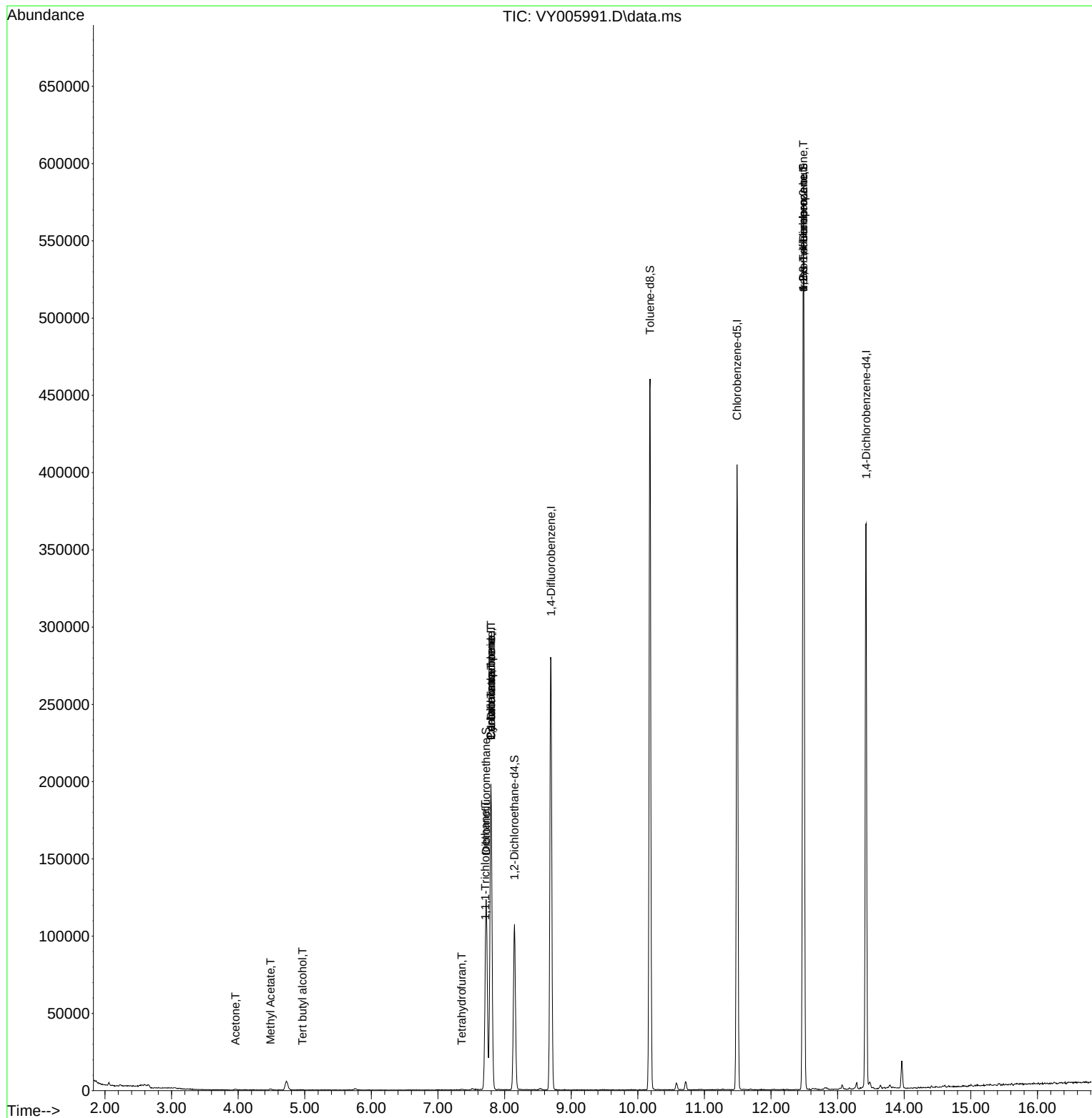
Internal Standards						
1) Pentafluorobenzene	7.795	168	169622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	253524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	232400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83757	49.000	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.000%			
35) Dibromofluoromethane	7.722	113	83331	58.528	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.060%			
50) Toluene-d8	10.185	98	317092	53.066	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.140%			
62) 4-Bromofluorobenzene	12.483	95	92571	46.137	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	514	1.529	ug/l #	80
16) Acetone	3.960	43	891	2.044	ug/l	93
18) Methyl Acetate	4.485	43	1230	1.016	ug/l	100
20) Methylene Chloride	4.729	84	4554	Below Cal	#	84
29) Tetrahydrofuran	7.356	42	403	1.010	ug/l #	63
31) Cyclohexane	7.795	56	2909	1.009	ug/l #	1
32) 1,1,1-Trichloroethane	7.710	97	4708	1.736	ug/l	93
36) 1,1-Dichloropropene	7.795	75	10439	4.373	ug/l #	50
38) Carbon Tetrachloride	7.795	117	14212	5.493	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	47167	49.126	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47167	93.428	ug/l #	14

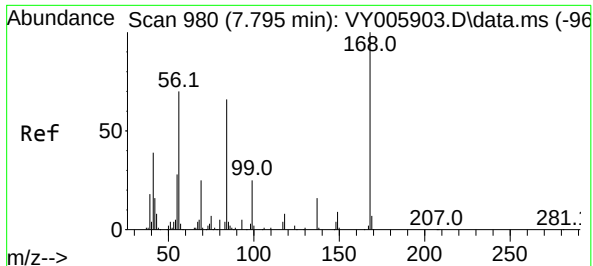
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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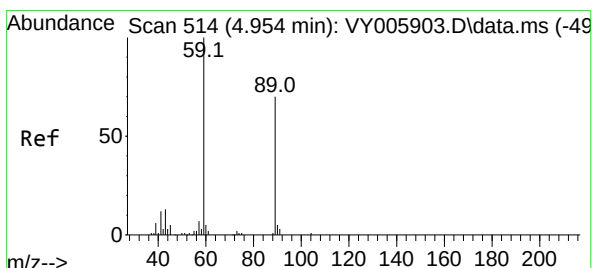
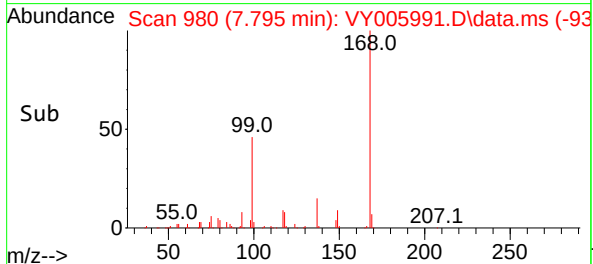
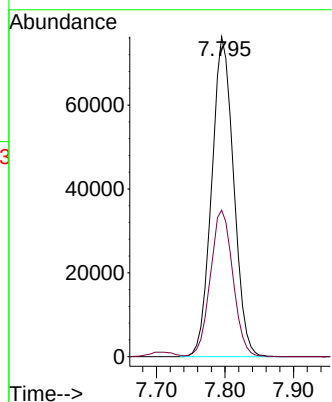
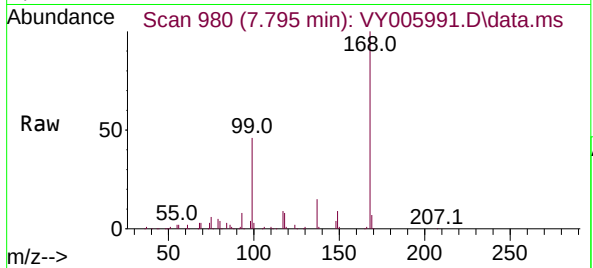




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

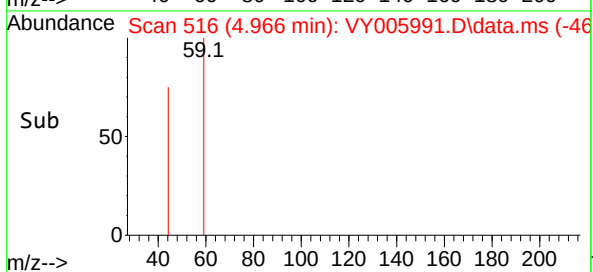
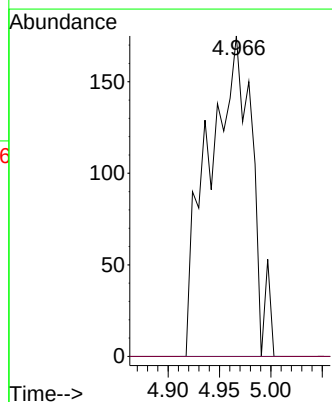
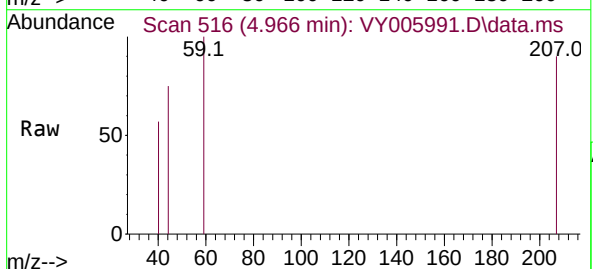
Instrument :
MSVOA_Y
ClientSampleId :

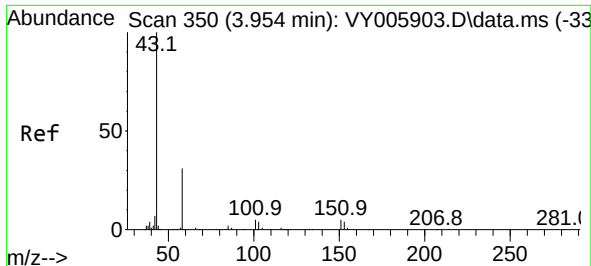
Tgt Ion:168 Resp: 169622
Ion Ratio Lower Upper
168 100
99 45.8 40.6 60.8



#11
Tert butyl alcohol
Concen: 1.529 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

Tgt Ion: 59 Resp: 514
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#

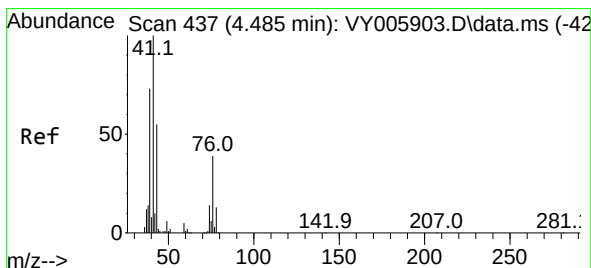
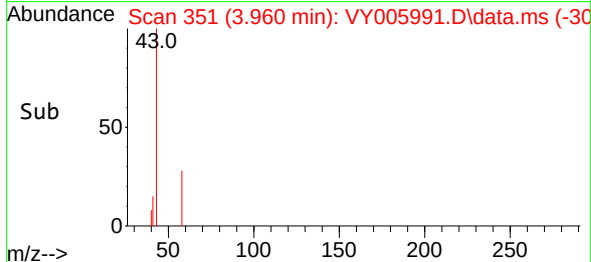
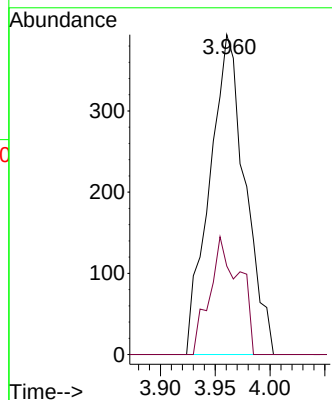
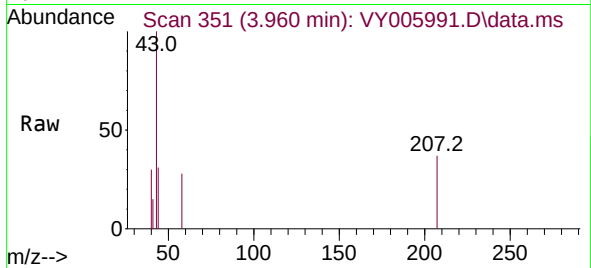




#16
Acetone
Concen: 2.044 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

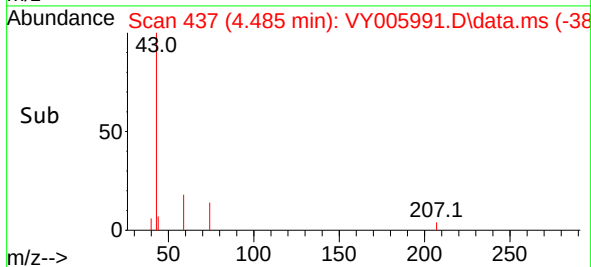
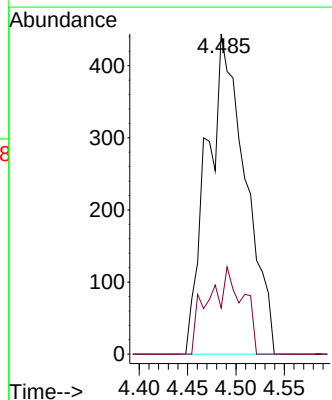
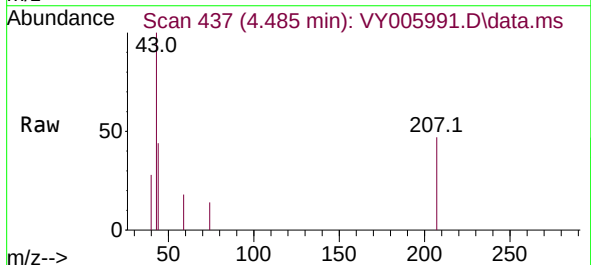
Instrument :
MSVOA_Y
ClientSampled :

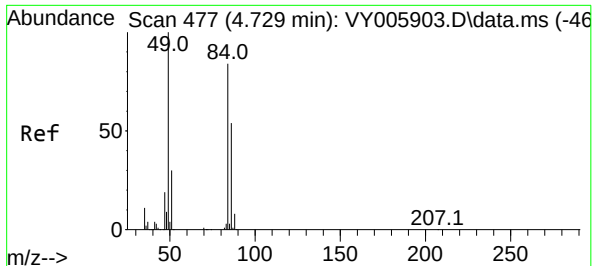
Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
58 27.7 25.1 37.7



#18
Methyl Acetate
Concen: 1.016 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5

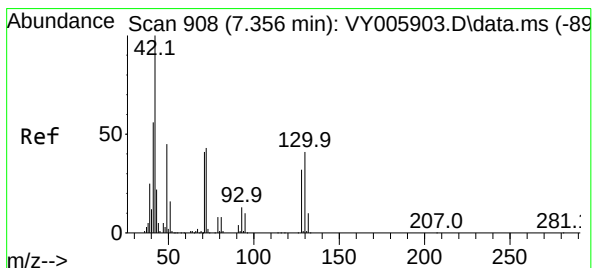
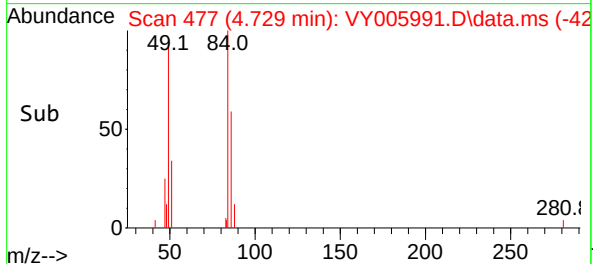
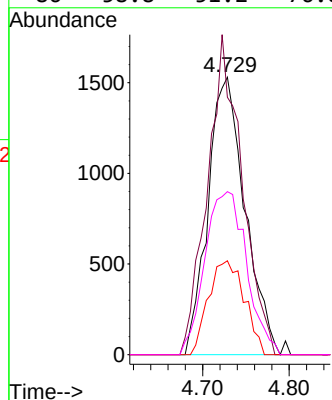
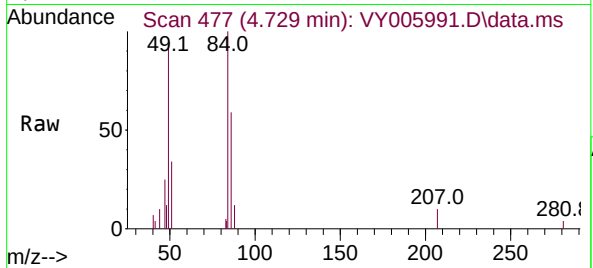




#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

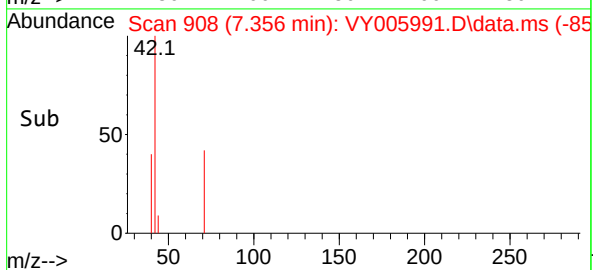
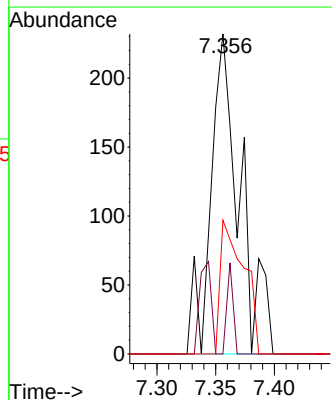
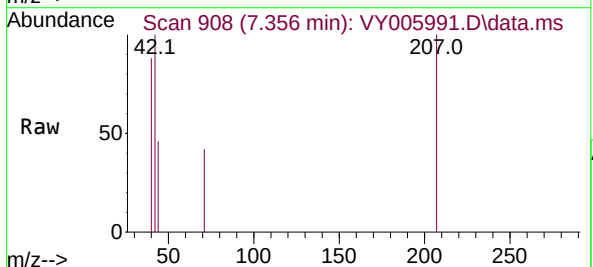
Instrument :
MSVOA_Y
ClientSampleId :

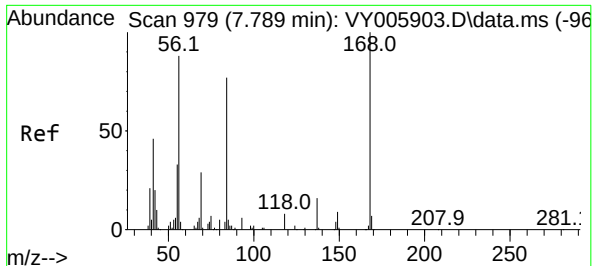
Tgt Ion:	84	Resp:	4554
Ion	Ratio	Lower	Upper
84	100		
49	92.8	95.7	143.5#
51	33.9	29.0	43.6
86	58.8	51.2	76.8



#29
Tetrahydrofuran
Concen: 1.010 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

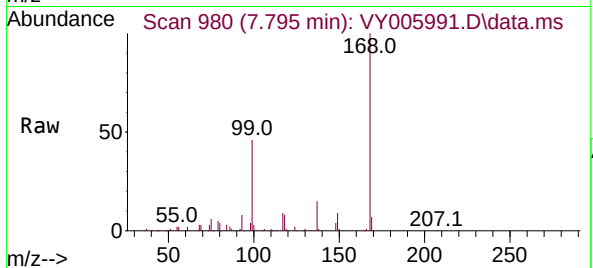
Tgt Ion:	42	Resp:	403
Ion	Ratio	Lower	Upper
42	100		
72	6.0	36.1	54.1#
71	33.7	33.8	50.8#



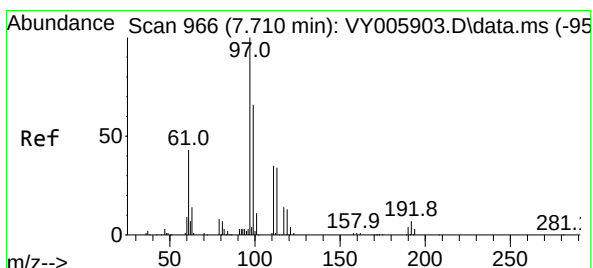
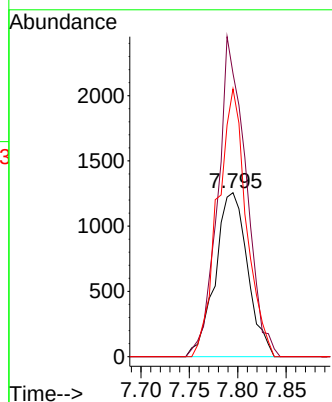
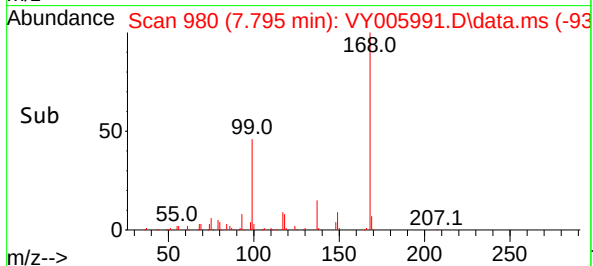


#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

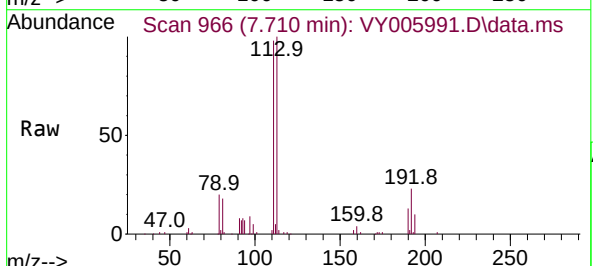
Instrument :
MSVOA_Y
ClientSampled :



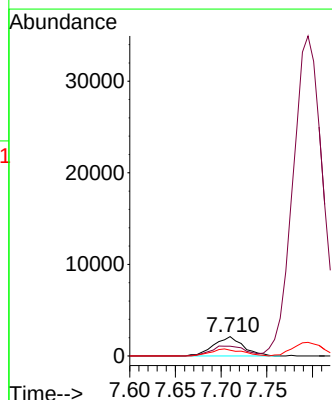
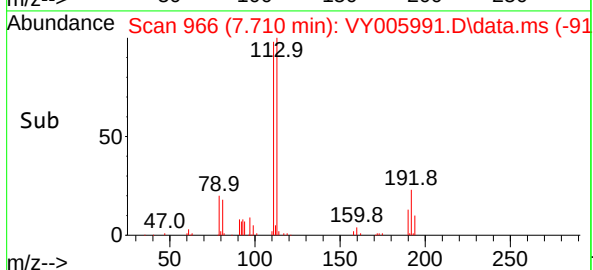
Tgt Ion: 56 Resp: 2909
Ion Ratio Lower Upper
56 100
69 172.6 26.3 39.5#
84 163.2 69.8 104.8#

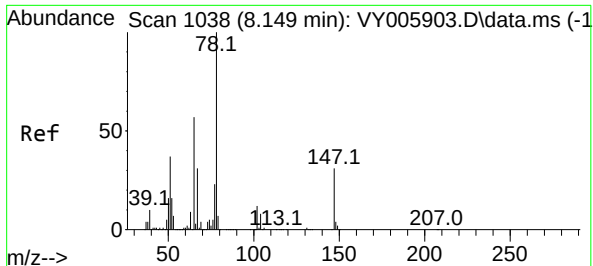


#32
1,1,1-Trichloroethane
Concen: 1.736 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26



Tgt Ion: 97 Resp: 4708
Ion Ratio Lower Upper
97 100
99 60.1 52.1 78.1
61 38.5 34.3 51.5

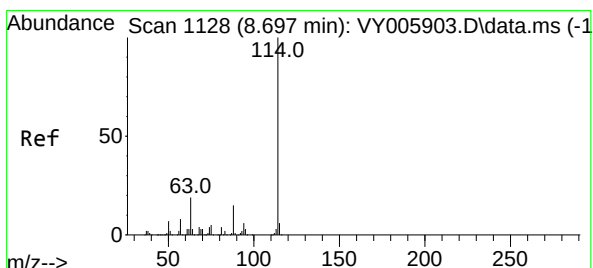
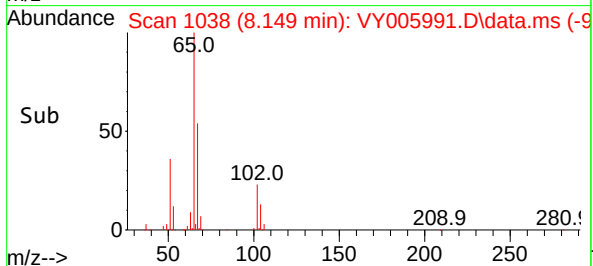
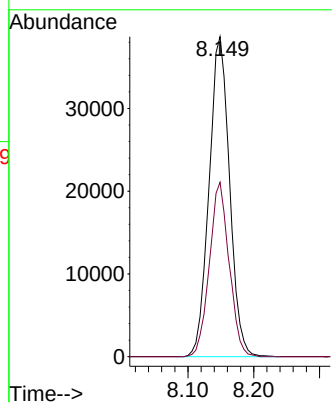
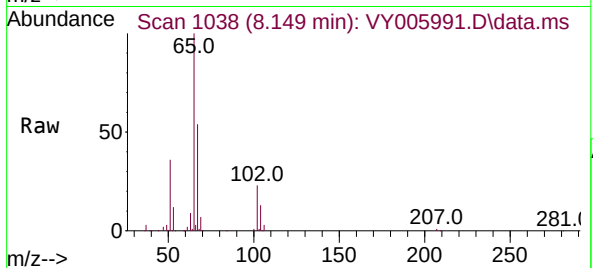




#33
1,2-Dichloroethane-d4
Concen: 49.000 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

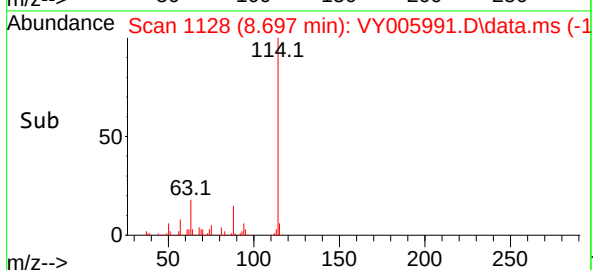
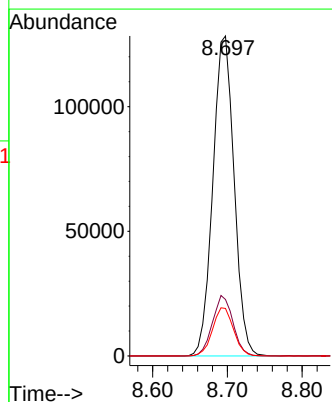
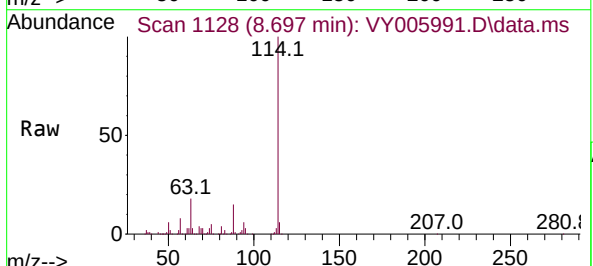
Instrument :
MSVOA_Y
ClientSampled :

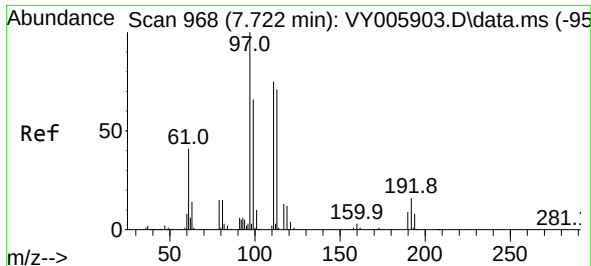
Tgt Ion: 65 Resp: 83757
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

Tgt Ion:114 Resp: 253524
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.4
88 14.8 0.0 30.0

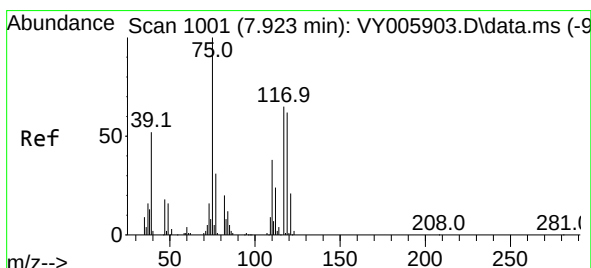
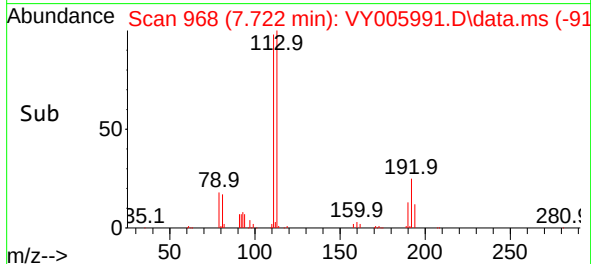
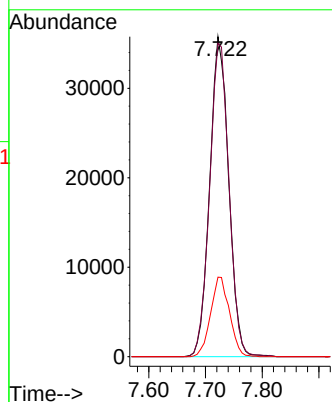
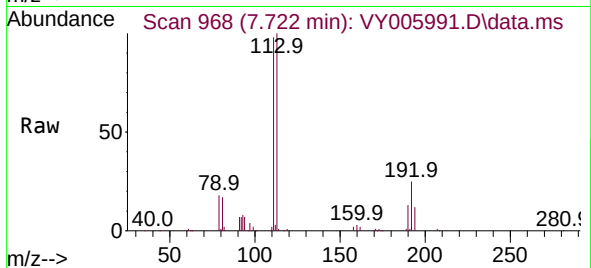




#35
Dibromofluoromethane
Concen: 58.528 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

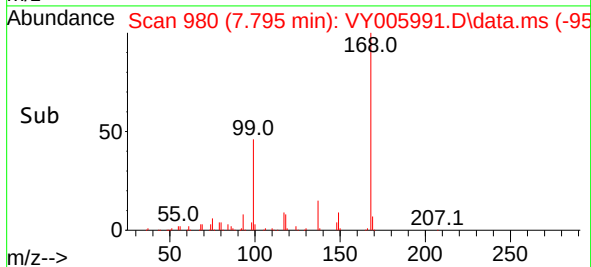
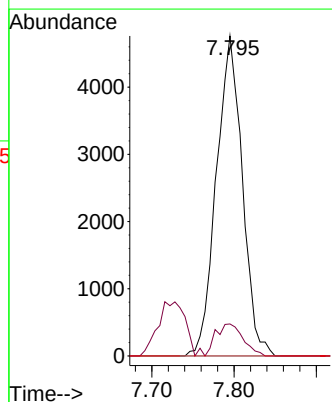
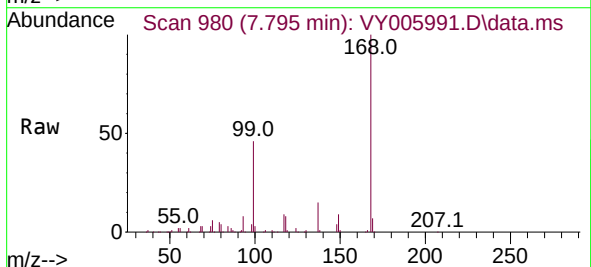
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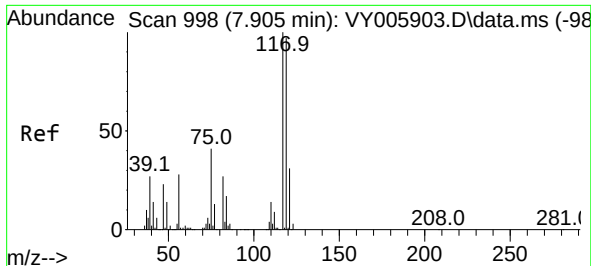
Tgt Ion:113 Resp: 83331
Ion Ratio Lower Upper
113 100
111 99.7 81.9 122.9
192 24.7 19.4 29.0



#36
1,1-Dichloropropene
Concen: 4.373 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

Tgt Ion: 75 Resp: 10439
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.3#
77 0.0 24.9 37.3#

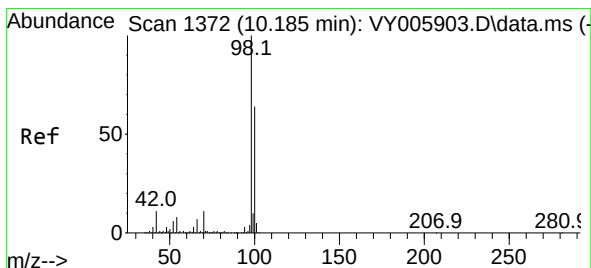
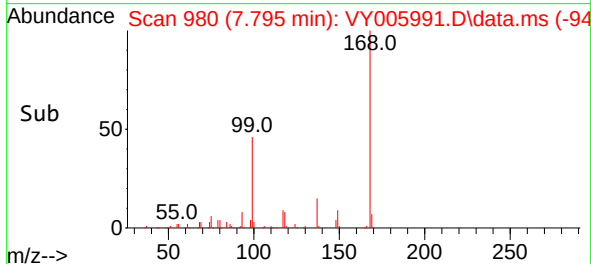
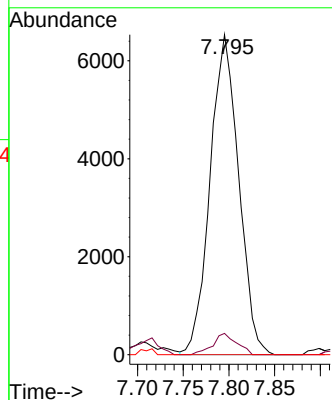
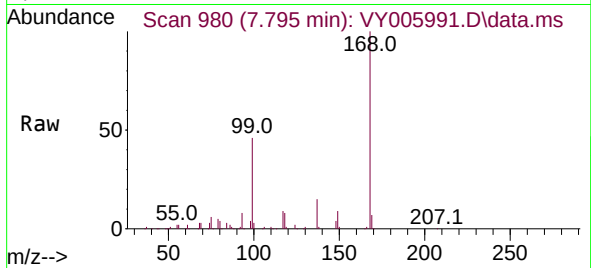




#38
Carbon Tetrachloride
Concen: 5.493 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

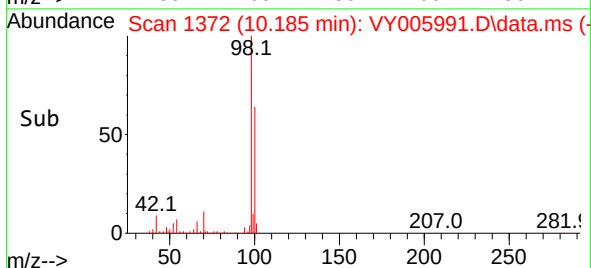
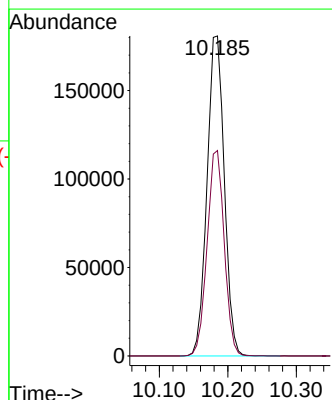
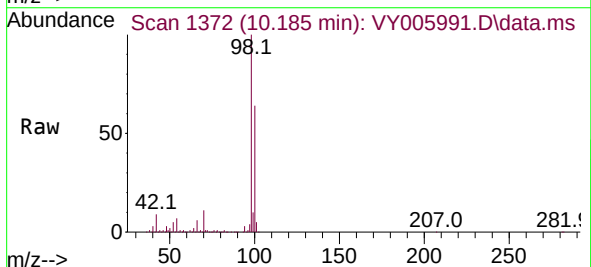
Instrument :
MSVOA_Y
ClientSampled :

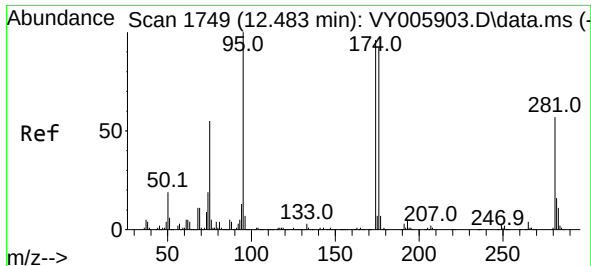
Tgt Ion:117 Resp: 14212
Ion Ratio Lower Upper
117 100
119 6.6 77.5 116.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 53.066 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

Tgt Ion: 98 Resp: 317092
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

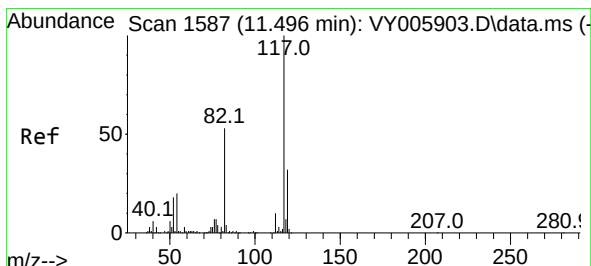
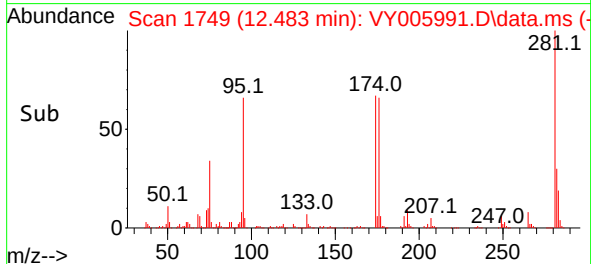
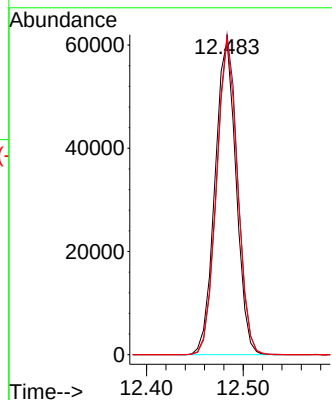
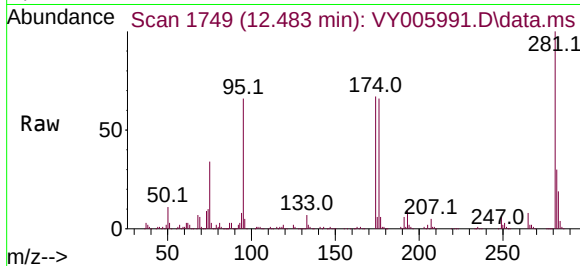




#62
4-Bromofluorobenzene
Concen: 46.137 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

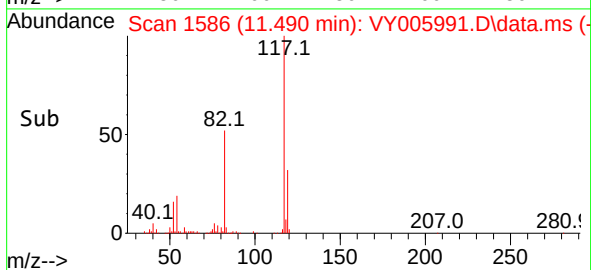
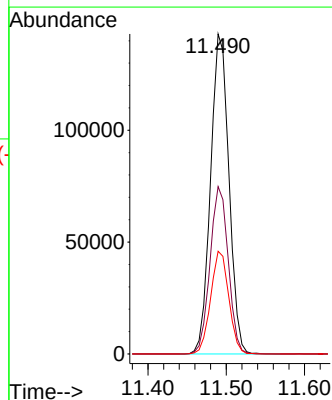
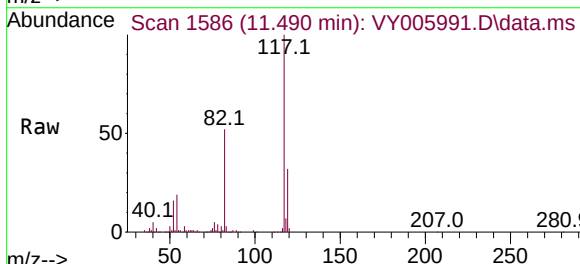
Instrument :
MSVOA_Y
ClientSampleId :

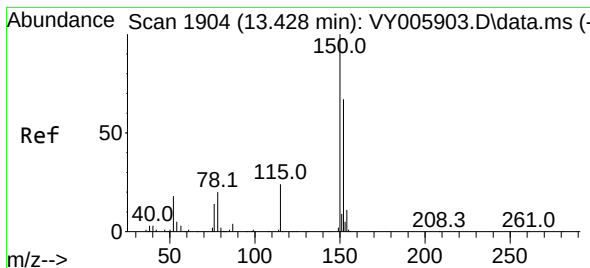
Tgt Ion: 95 Resp: 92571
Ion Ratio Lower Upper
95 100
174 101.1 0.0 192.4
176 98.8 0.0 186.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005991.D
Acq: 10 Sep 2021 18:26

Tgt Ion: 117 Resp: 232400
Ion Ratio Lower Upper
117 100
82 52.3 42.4 63.6
119 32.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY005991.D

Acq: 10 Sep 2021 18:26

Tgt Ion:152 Resp: 102580

Ion Ratio Lower Upper

152 100

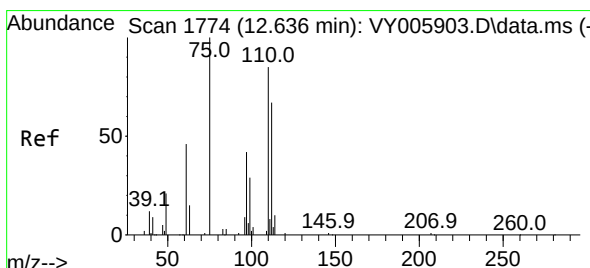
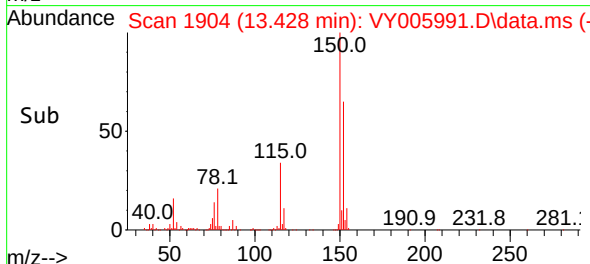
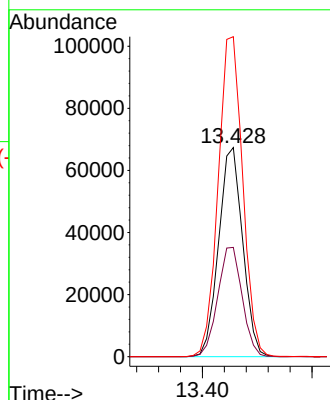
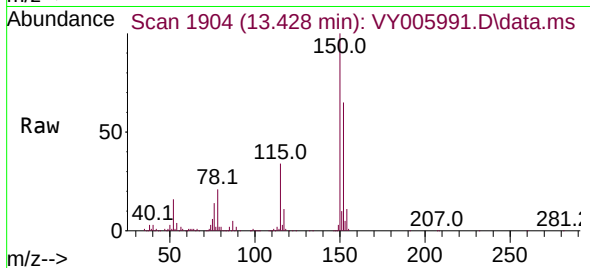
115 53.1 26.8 80.4

150 156.2 0.0 345.6

Instrument :

MSVOA_Y

ClientSampleId :



#76

1,2,3-Trichloropropane

Concen: 49.126 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY005991.D

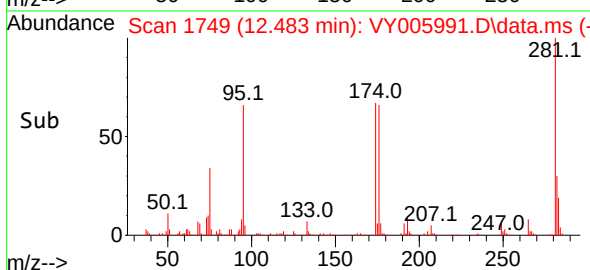
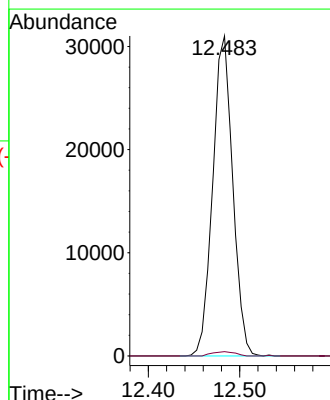
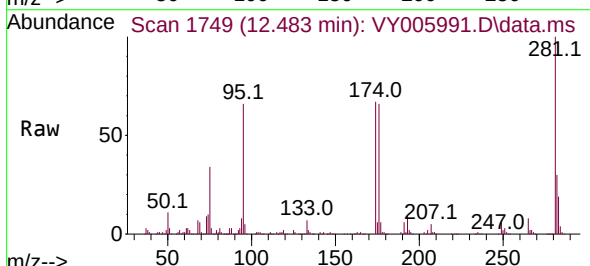
Acq: 10 Sep 2021 18:26

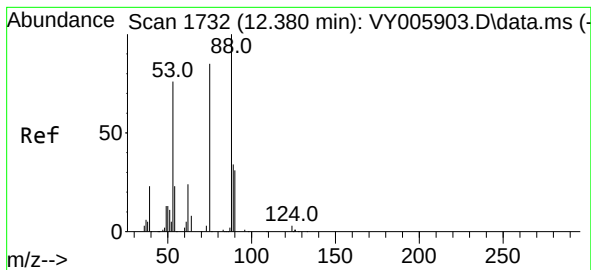
Tgt Ion: 75 Resp: 47167

Ion Ratio Lower Upper

75 100

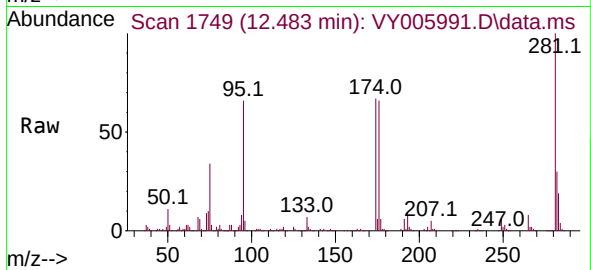
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.428 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY005991.D
 Acq: 10 Sep 2021 18:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 47167
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.8 107.8#
 89 1.4 35.8 53.6#

