

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091021\
 Data File : VY005983.D
 Acq On : 10 Sep 2021 15:15
 Operator : SY/MD
 Sample : VY0910SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 11 01:20:42 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)

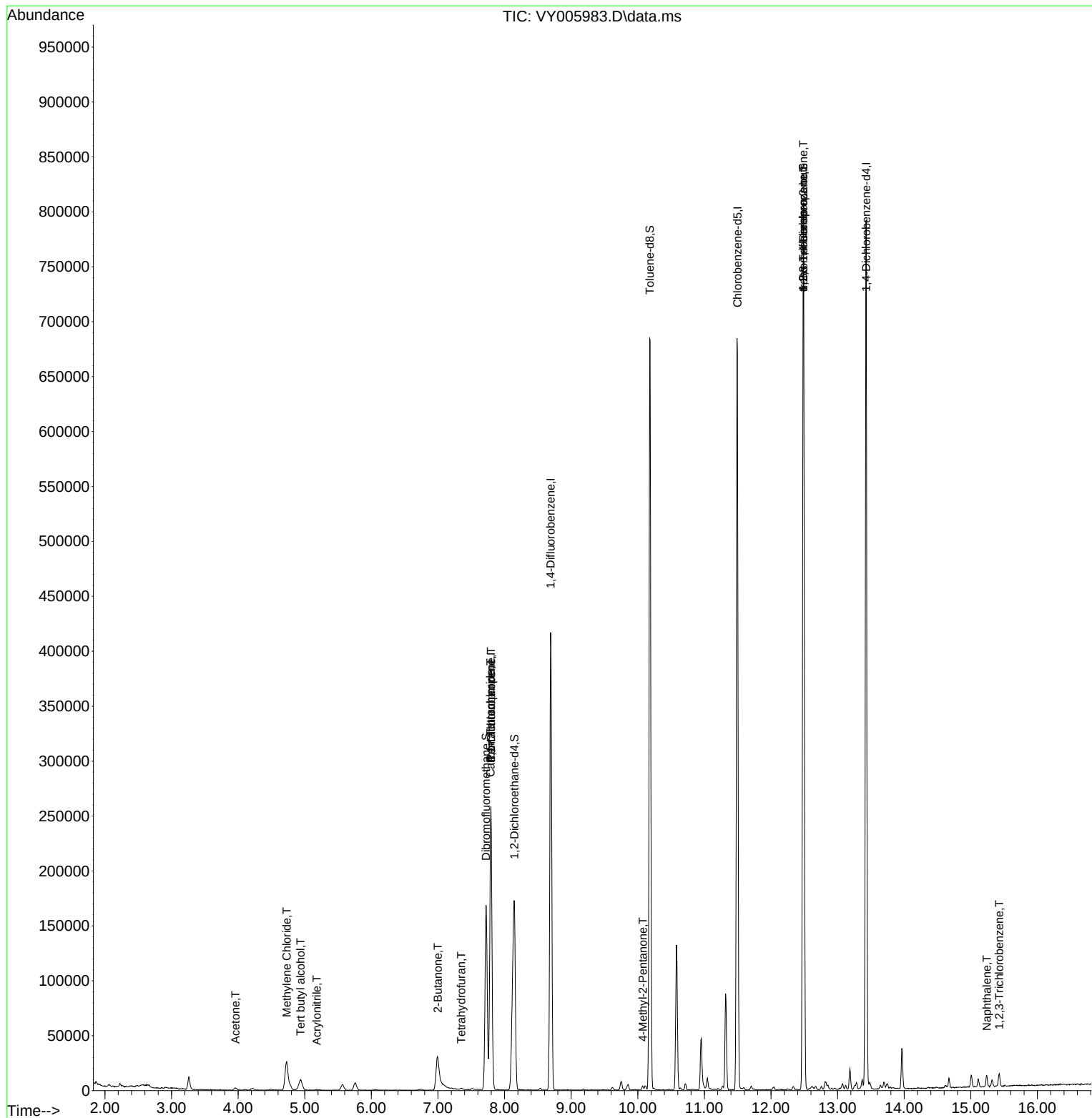
Internal Standards						
1) Pentafluorobenzene	7.795	168	221675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	372926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	397513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	206595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	117077	52.410	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.820%	
35) Dibromofluoromethane	7.722	113	116974	55.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.700%	
50) Toluene-d8	10.179	98	470782	53.561	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.120%	
62) 4-Bromofluorobenzene	12.483	95	179880	60.948	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 121.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	9335	21.251	ug/l #	81
13) Acrolein	3.735	56	26	Below Cal	#	1
15) Acrylonitrile	5.180	53	654	1.091	ug/l #	59
16) Acetone	3.960	43	3644	6.397	ug/l	98
20) Methylene Chloride	4.729	84	19669	4.410	ug/l	94
25) 2-Butanone	6.997	43	2144	2.664	ug/l	93
29) Tetrahydrofuran	7.350	42	589	1.130	ug/l #	85
36) 1,1-Dichloropropene	7.795	75	14297	4.072	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19560	5.139	ug/l #	15
51) 4-Methyl-2-Pentanone	10.075	43	2639	1.282	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	89103	46.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	89103	87.634	ug/l #	14
95) Naphthalene	15.239	128	8308	1.071	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	3935	1.116	ug/l	96

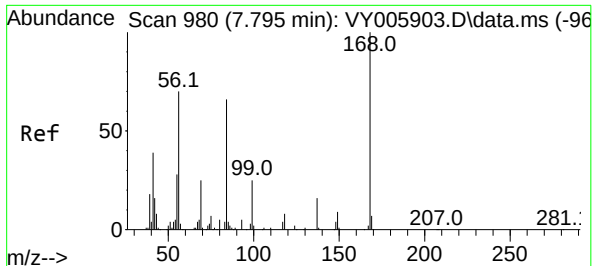
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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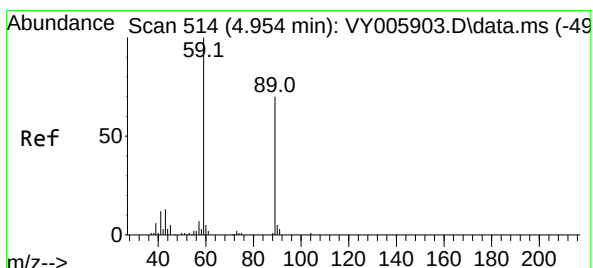
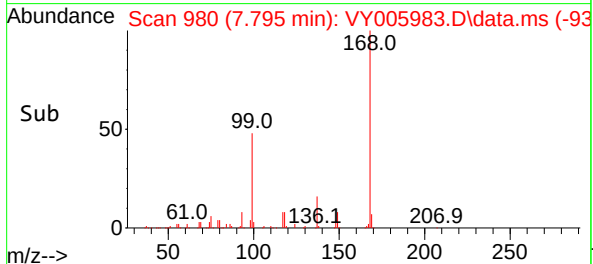
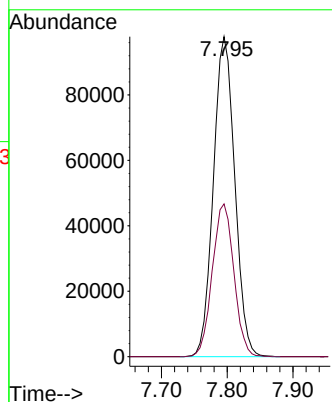
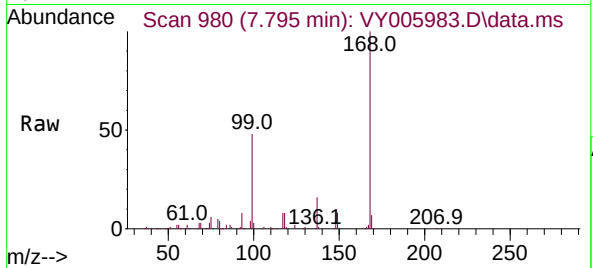




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

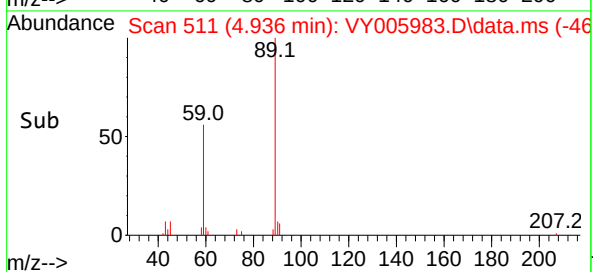
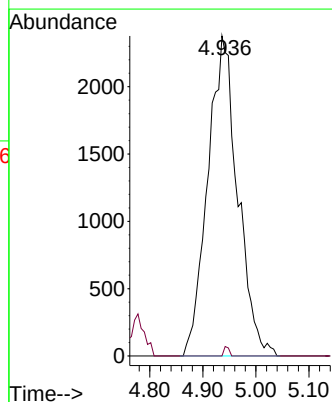
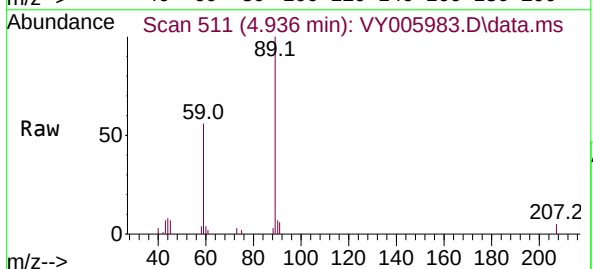
Instrument :
MSVOA_Y
ClientSampled :

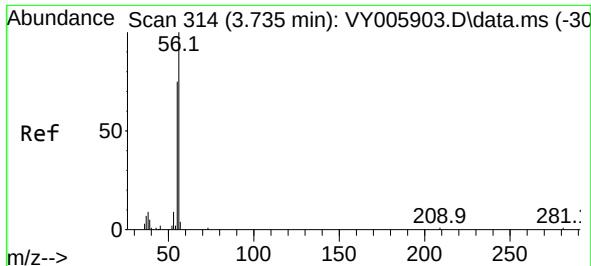
Tgt Ion:168 Resp: 221675
Ion Ratio Lower Upper
168 100
99 47.7 40.6 60.8



#11
Tert butyl alcohol
Concen: 21.251 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion: 59 Resp: 9335
Ion Ratio Lower Upper
59 100
57 0.5 5.5 8.3#

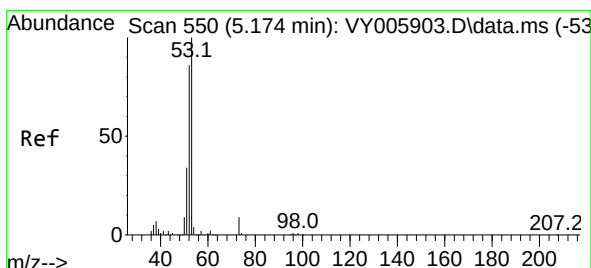
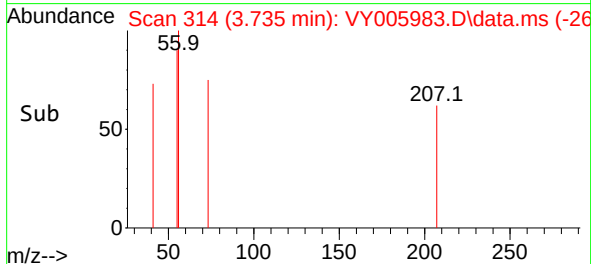
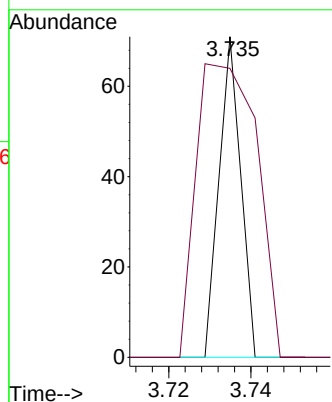
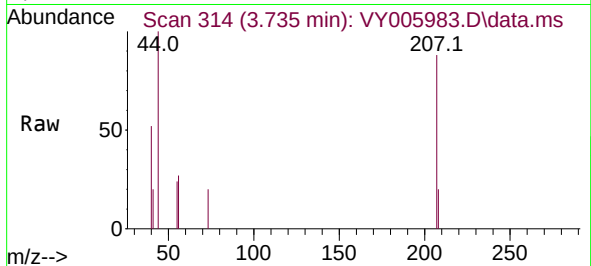




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

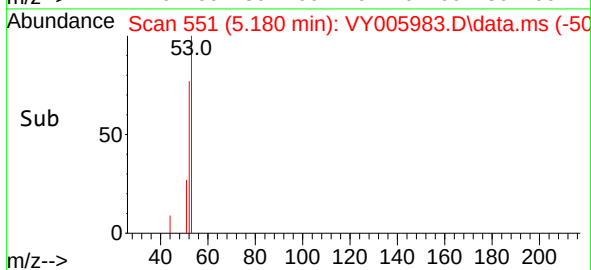
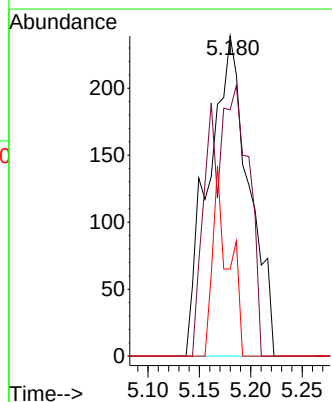
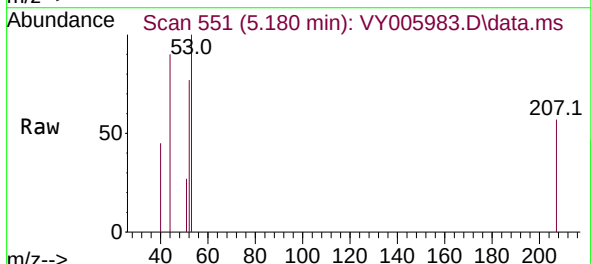
Instrument :
MSVOA_Y
ClientSampled :

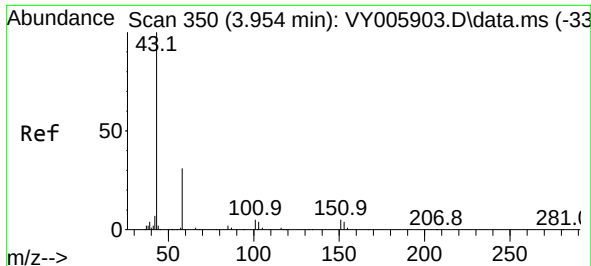
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 257.7 57.6 86.4#



#15
Acrylonitrile
Concen: 1.091 ug/l
RT: 5.180 min Scan# 551
Delta R.T. 0.006 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion: 53 Resp: 654
Ion Ratio Lower Upper
53 100
52 54.6 66.3 99.5#
51 0.0 29.0 43.4#

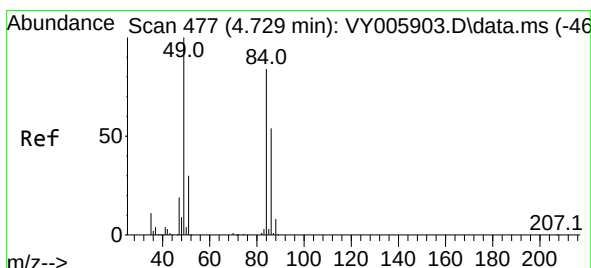
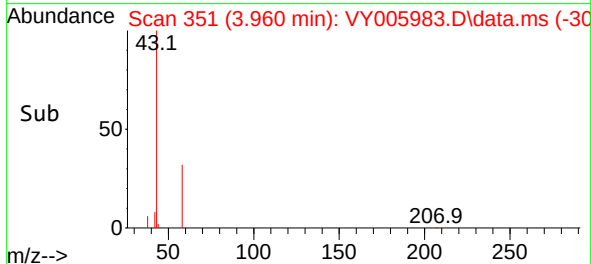
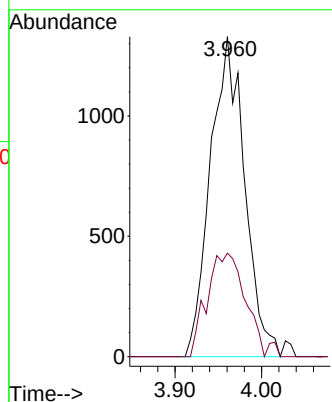
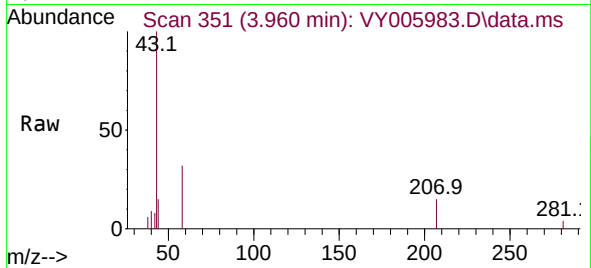




#16
Acetone
Concen: 6.397 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

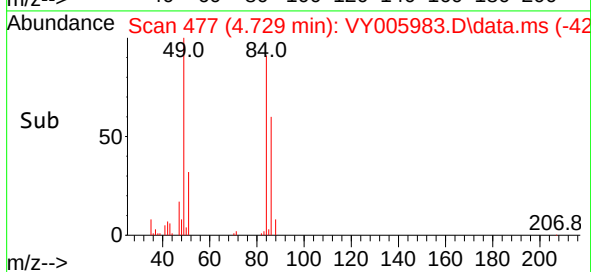
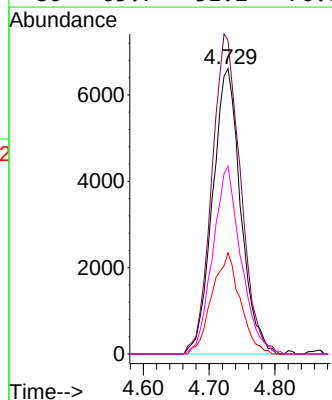
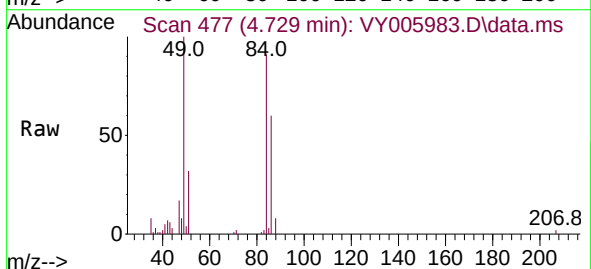
Instrument :
MSVOA_Y
ClientSampled :

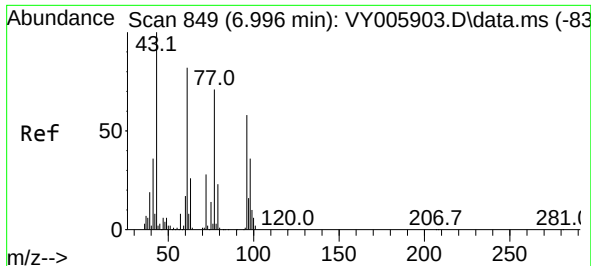
Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
58 32.4 25.1 37.7



#20
Methylene Chloride
Concen: 4.410 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion: 84 Resp: 19669
Ion Ratio Lower Upper
84 100
49 110.0 95.7 143.5
51 35.5 29.0 43.6
86 65.7 51.2 76.8

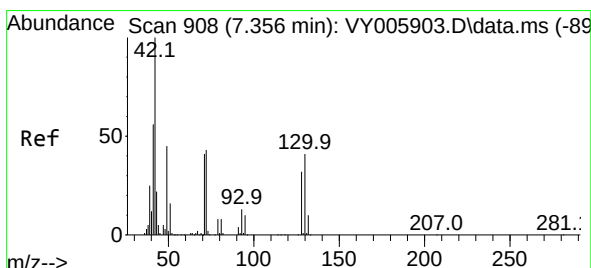
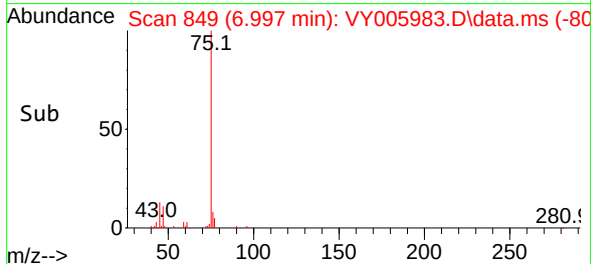
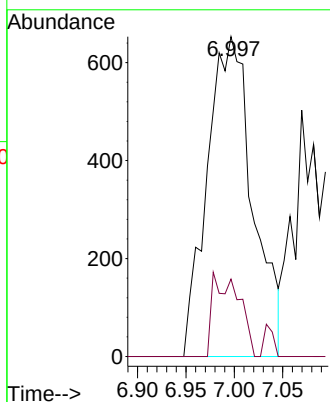
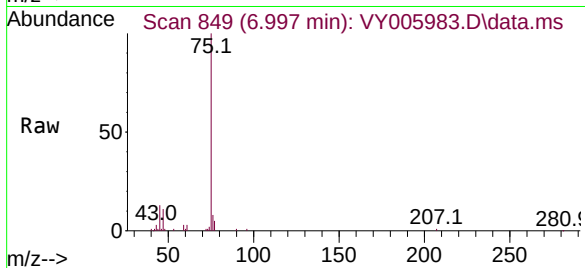




#25
2-Butanone
Concen: 2.664 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

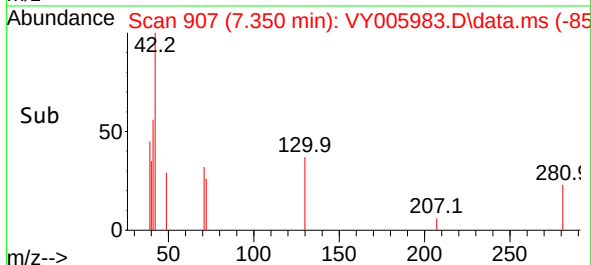
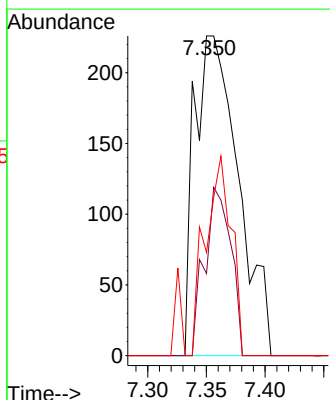
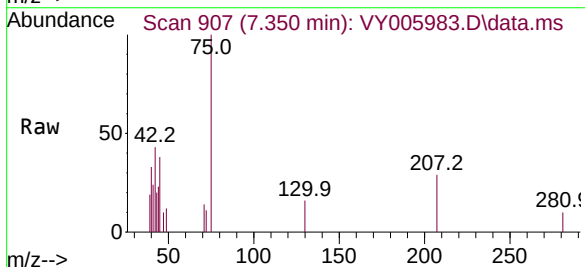
Instrument :
MSVOA_Y
ClientSampled :

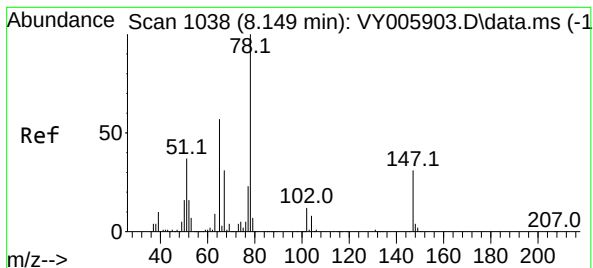
Tgt Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
72 24.2 22.3 33.5



#29
Tetrahydrofuran
Concen: 1.130 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.006 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion: 42 Resp: 589
Ion Ratio Lower Upper
42 100
72 31.4 36.1 54.1#
71 37.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 52.410 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY005983.D

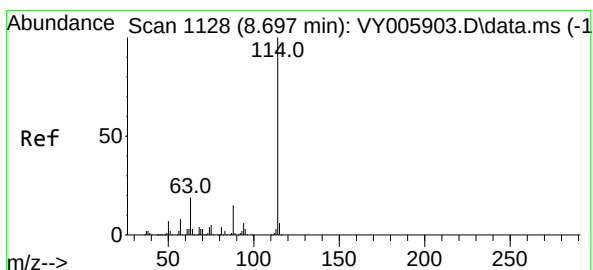
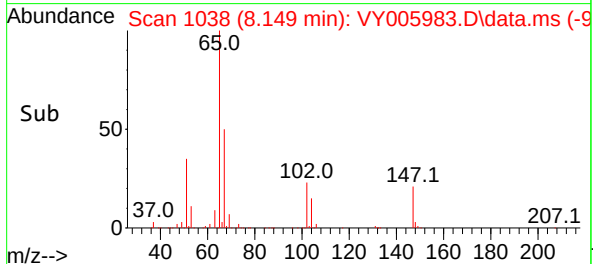
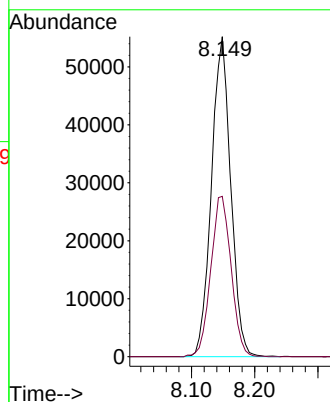
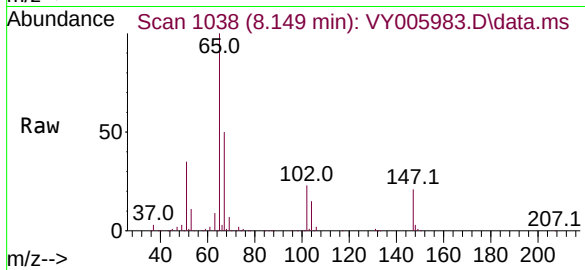
Acq: 10 Sep 2021 15:15

Tgt Ion: 65 Resp: 117077

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY005983.D

Acq: 10 Sep 2021 15:15

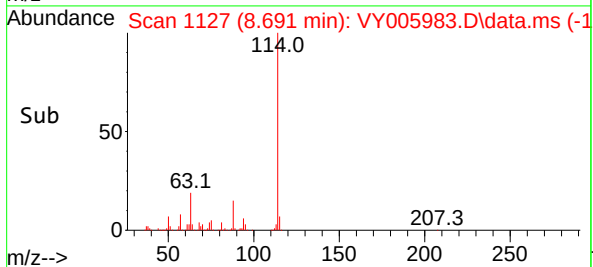
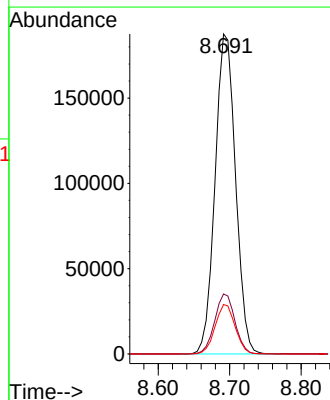
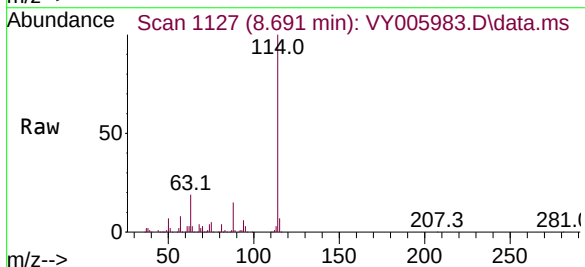
Tgt Ion: 114 Resp: 372926

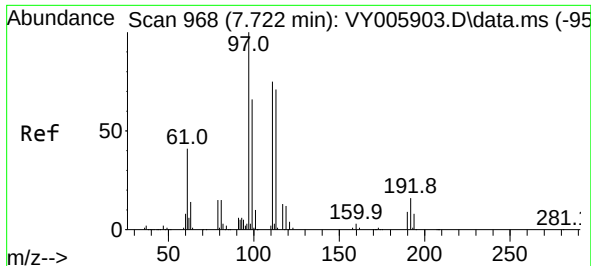
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 55.852 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY005983.D

Acq: 10 Sep 2021 15:15

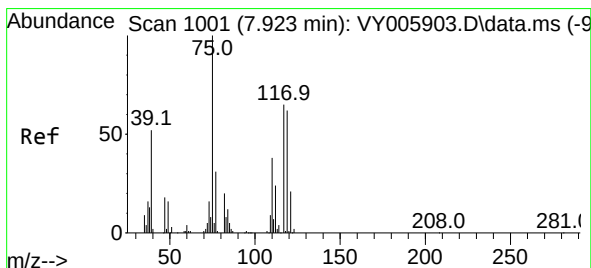
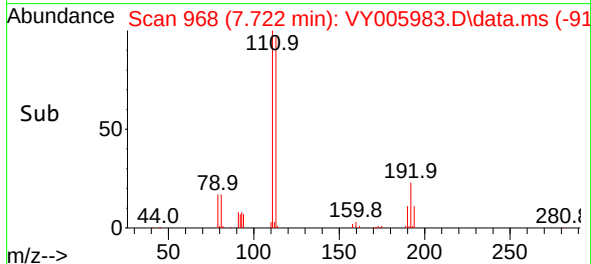
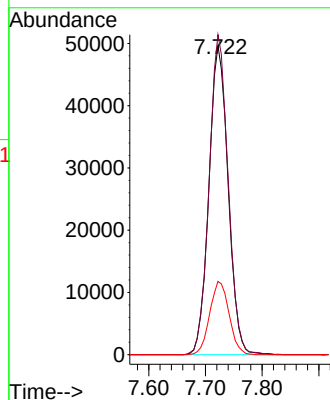
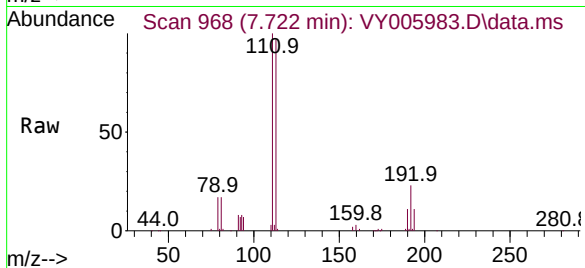
Tgt Ion:113 Resp: 116974

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

192 23.8 19.4 29.0



#36

1,1-Dichloropropene

Concen: 4.072 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY005983.D

Acq: 10 Sep 2021 15:15

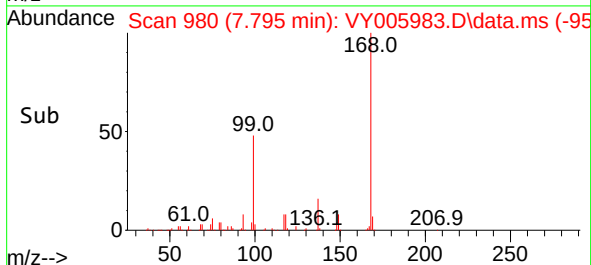
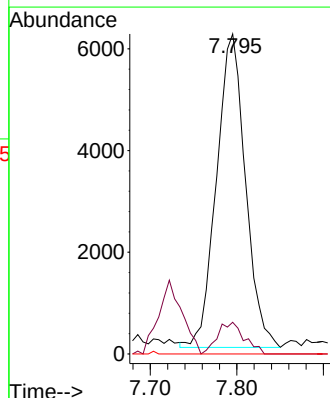
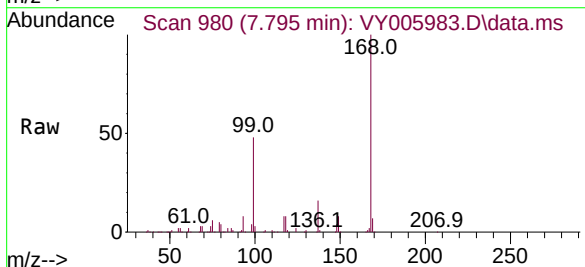
Tgt Ion: 75 Resp: 14297

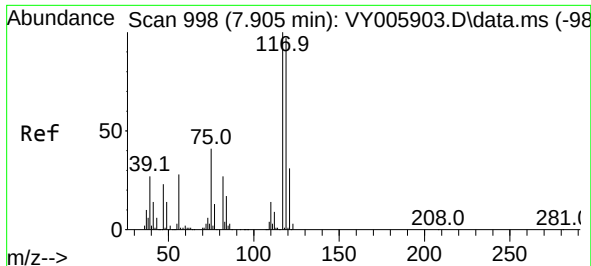
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

77 0.0 24.9 37.3#

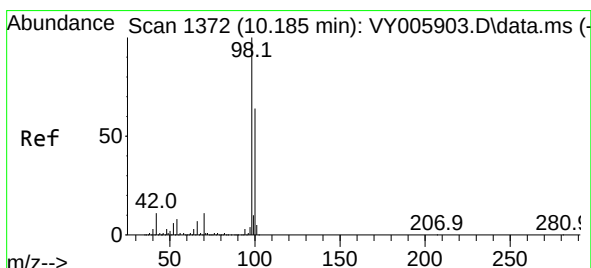
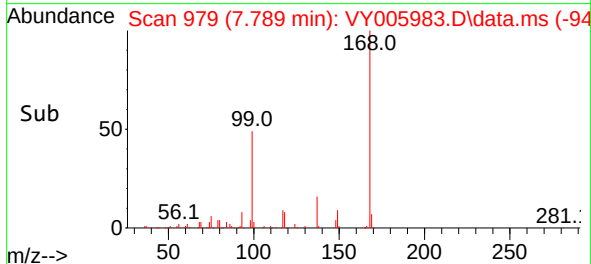
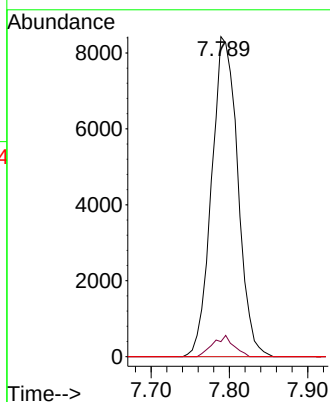
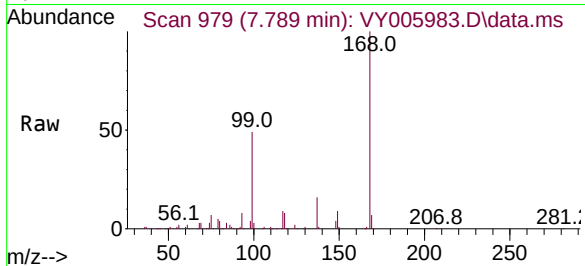




#38
Carbon Tetrachloride
Concen: 5.139 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

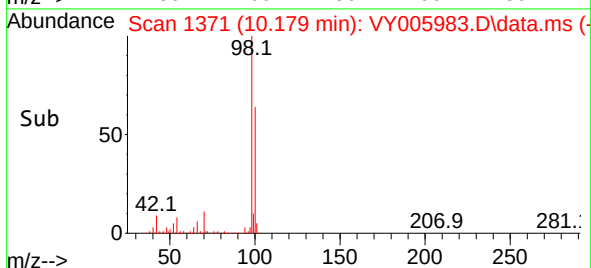
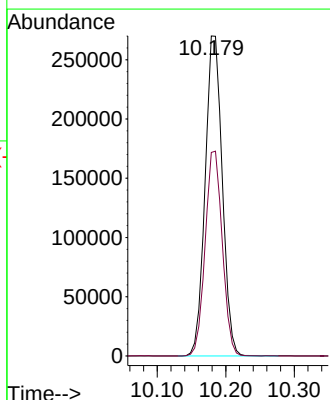
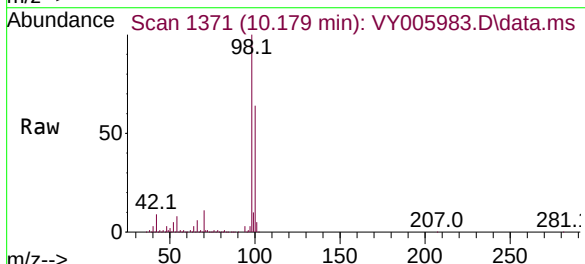
Instrument :
MSVOA_Y
ClientSampleId :

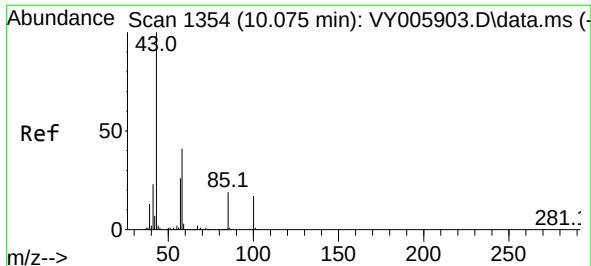
Tgt Ion:117 Resp: 19560
Ion Ratio Lower Upper
117 100
119 4.7 77.5 116.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 53.561 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion: 98 Resp: 470782
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3

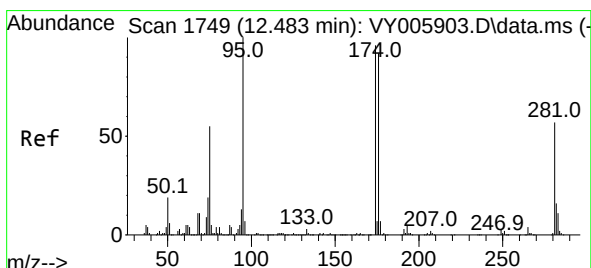
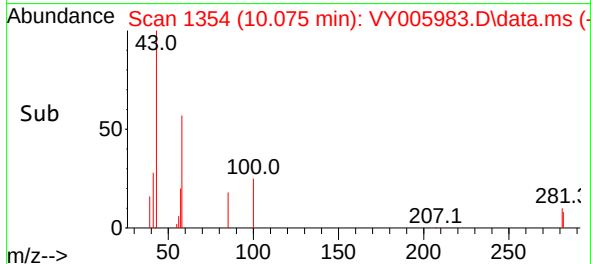
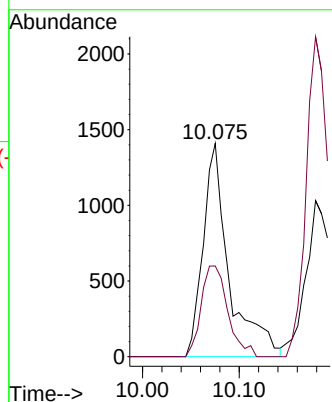
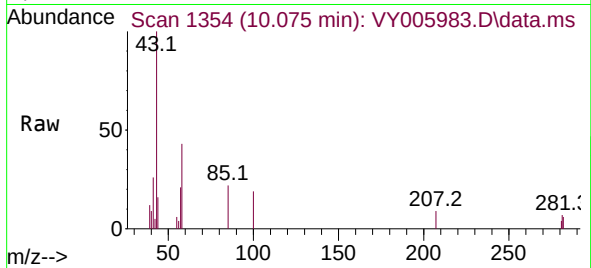




#51
4-Methyl-2-Pentanone
Concen: 1.282 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

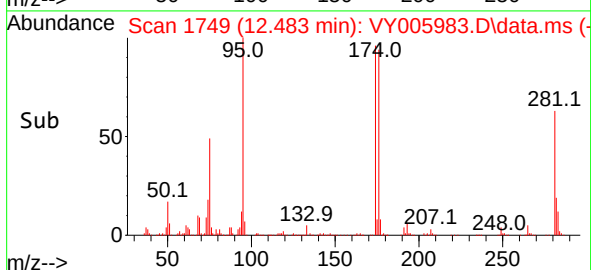
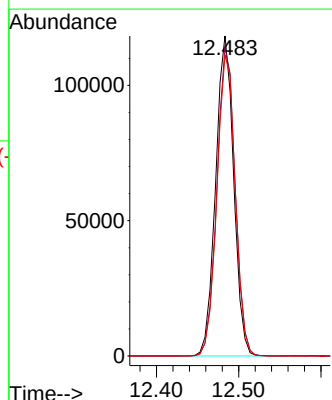
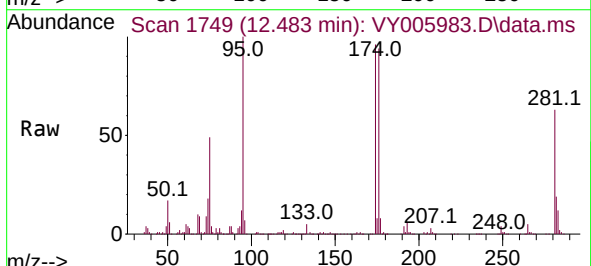
Instrument :
MSVOA_Y
ClientSampled :

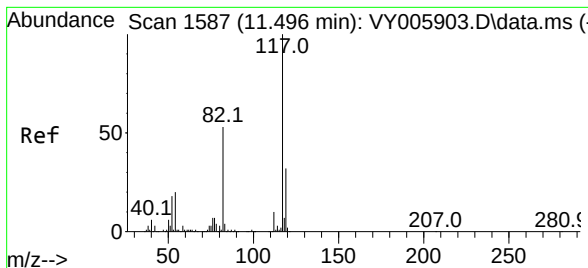
Tgt Ion: 43 Resp: 2639
Ion Ratio Lower Upper
43 100
58 43.5 31.8 47.8



#62
4-Bromofluorobenzene
Concen: 60.948 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion: 95 Resp: 179880
Ion Ratio Lower Upper
95 100
174 97.7 0.0 192.4
176 95.7 0.0 186.8

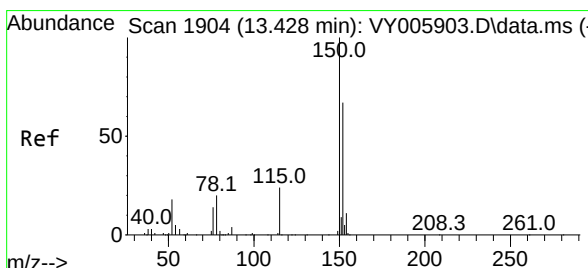
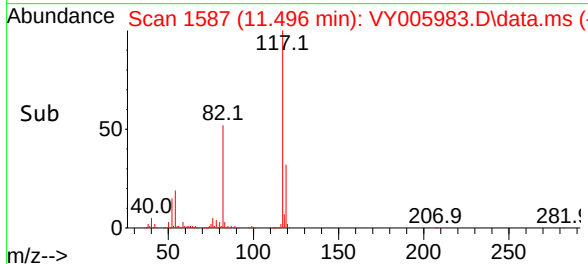
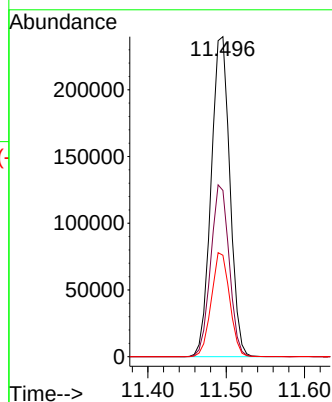
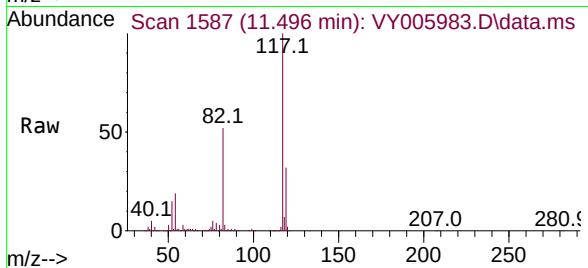




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

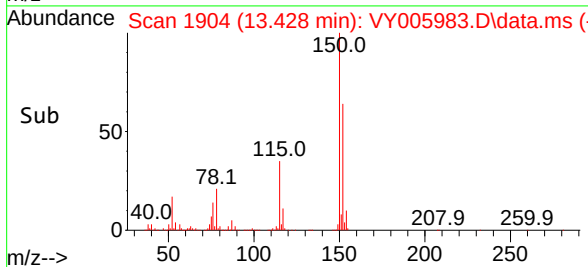
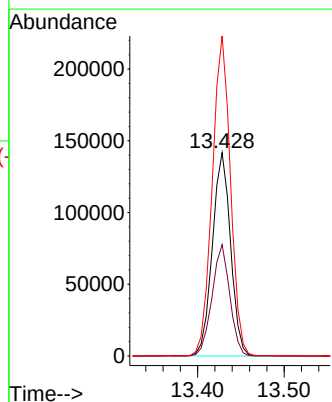
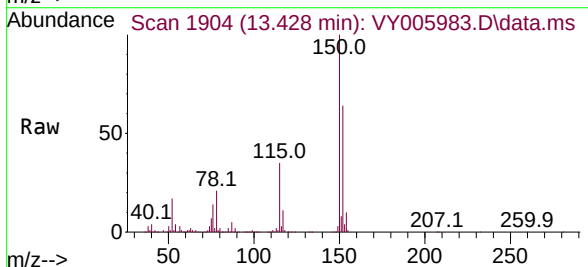
Instrument :
MSVOA_Y
ClientSampleId :

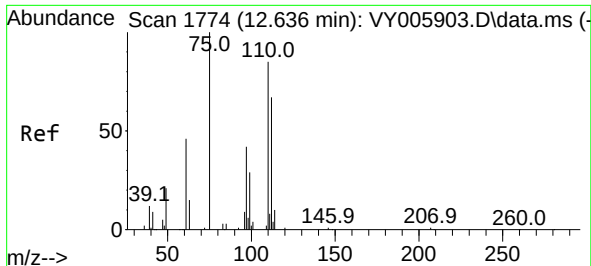
Tgt Ion:117 Resp: 397513
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion:152 Resp: 206595
Ion Ratio Lower Upper
152 100
115 53.6 26.8 80.4
150 157.7 0.0 345.6

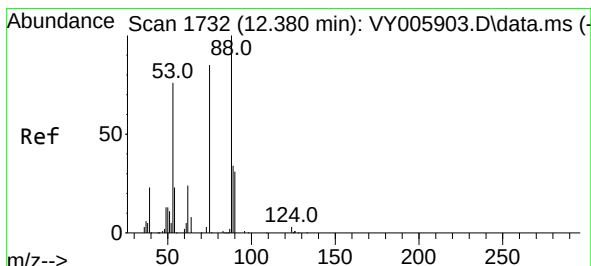
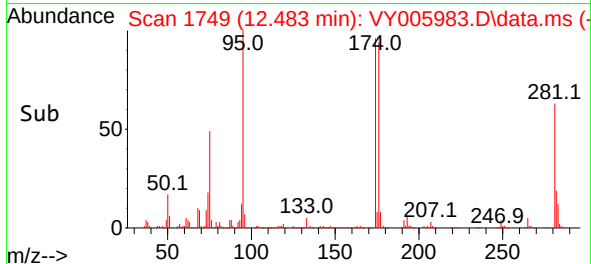
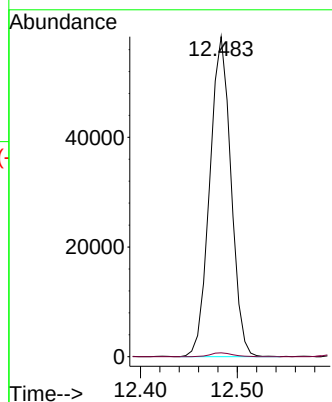
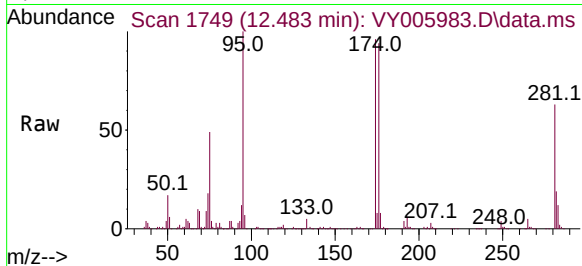




#76
1,2,3-Trichloropropane
Concen: 46.080 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

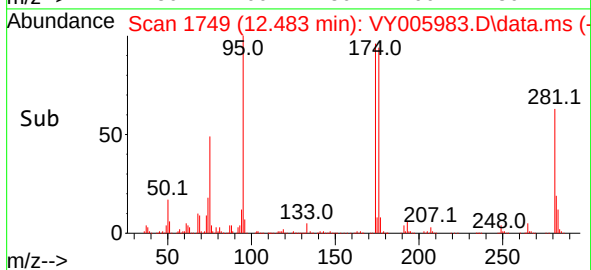
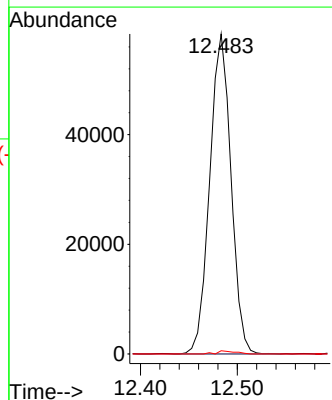
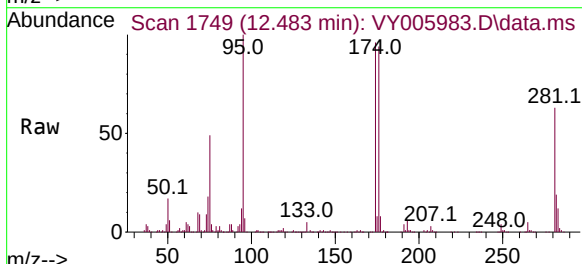
Instrument :
MSVOA_Y
ClientSampleId :

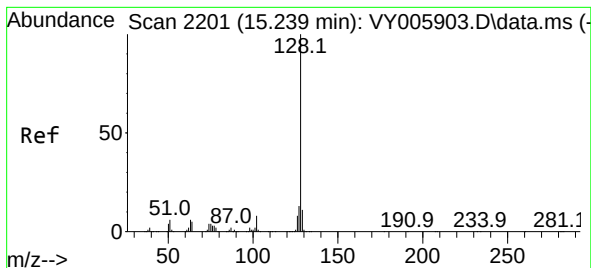
Tgt Ion: 75 Resp: 89103
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.634 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion: 75 Resp: 89103
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.9 35.8 53.6#

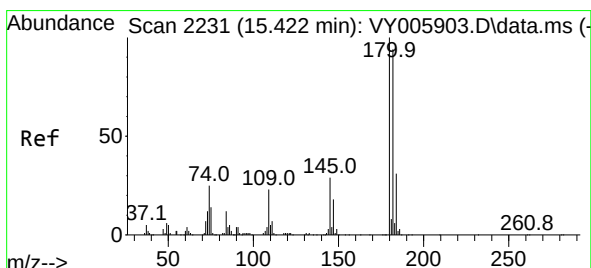
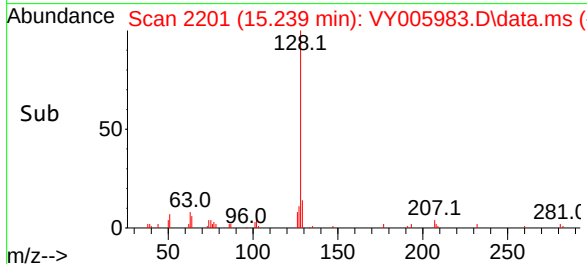
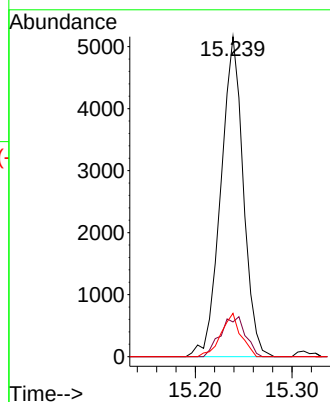
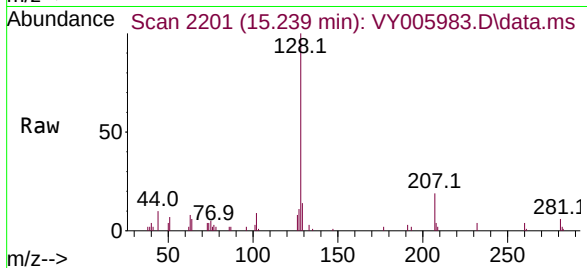




#95
Naphthalene
Concen: 1.071 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:128 Resp: 8308
Ion Ratio Lower Upper
128 100
127 14.0 10.6 15.8
129 12.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.116 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY005983.D
Acq: 10 Sep 2021 15:15

Tgt Ion:180 Resp: 3935
Ion Ratio Lower Upper
180 100
182 98.5 47.8 143.3
145 31.7 14.2 42.8

