

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082721\
 Data File : VY005876.D
 Acq On : 27 Aug 2021 12:23
 Operator : SY/MD
 Sample : M3558-01
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 03:50:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

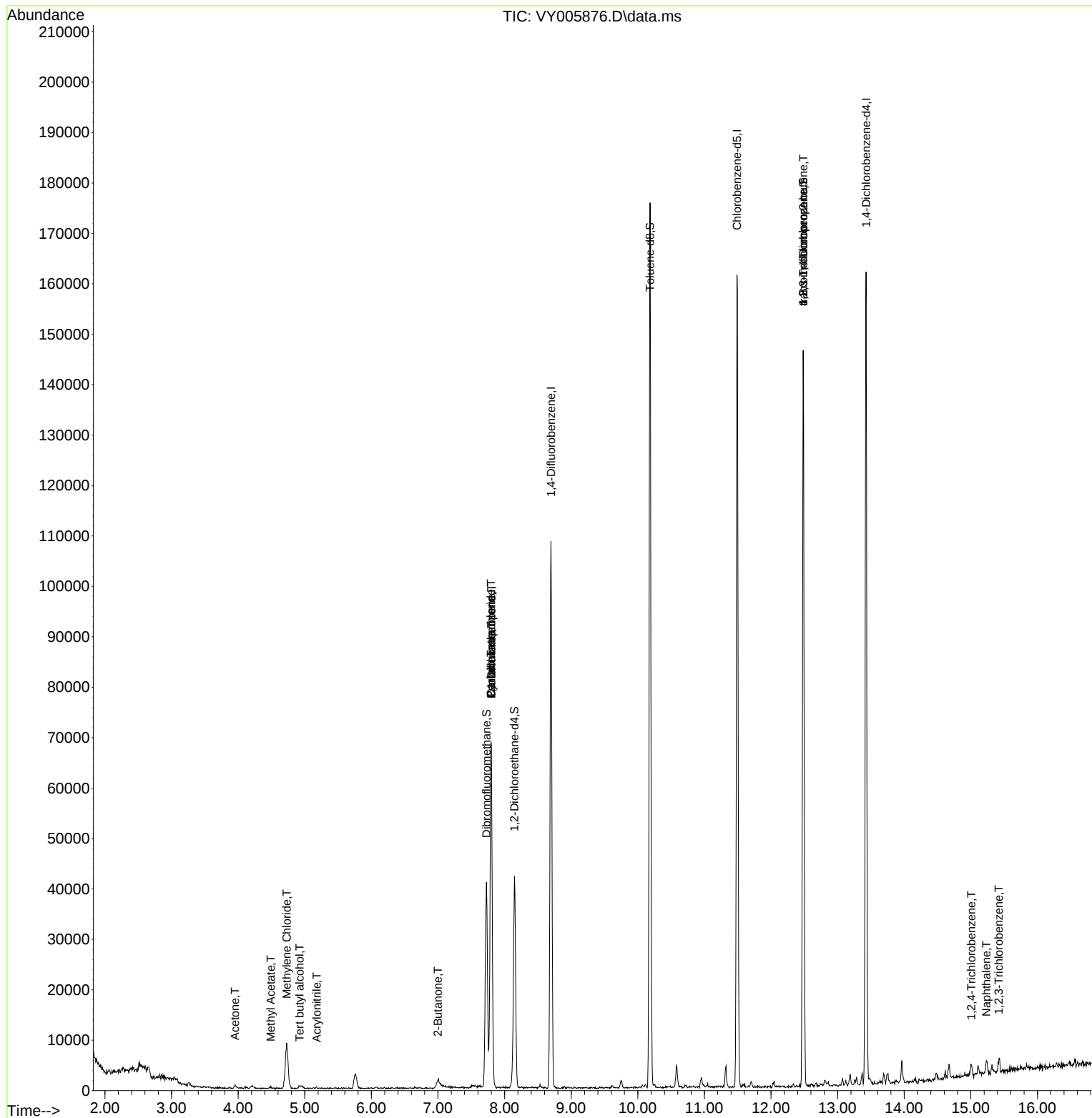
Internal Standards						
1) Pentafluorobenzene	7.801	168	56799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	89229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	89916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	42480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	33198	57.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.480%			
35) Dibromofluoromethane	7.728	113	28080	56.208	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.420%			
50) Toluene-d8	10.185	98	114047	54.433	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.860%			
62) 4-Bromofluorobenzene	12.483	95	36674	52.858	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.923	59	316	5.560	ug/l #	73
15) Acrylonitrile	5.179	53	170	1.063	ug/l #	26
16) Acetone	3.954	43	976	6.733	ug/l #	87
18) Methyl Acetate	4.491	43	422	1.113	ug/l #	52
20) Methylene Chloride	4.728	84	6601	6.173	ug/l #	84
25) 2-Butanone	6.996	43	224	1.045	ug/l #	48
31) Cyclohexane	7.801	56	1127	1.143	ug/l #	50
36) 1,1-Dichloropropene	7.801	75	4008	4.789	ug/l #	48
38) Carbon Tetrachloride	7.795	117	5315	5.843	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	20524	46.623	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20524	93.985	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.007	180	970	1.125	ug/l	95
95) Naphthalene	15.233	128	2427	1.427	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	1130	1.479	ug/l	92

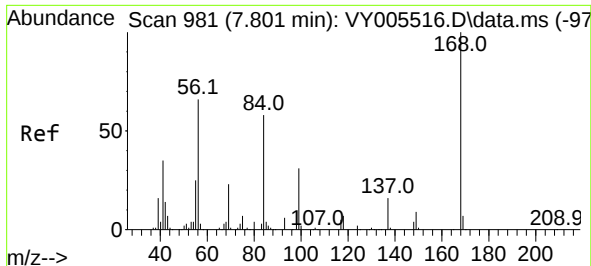
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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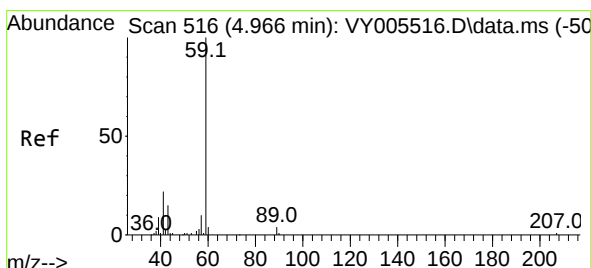
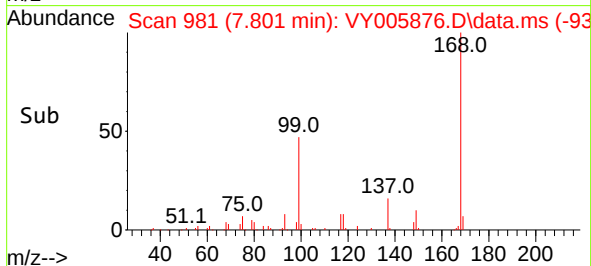
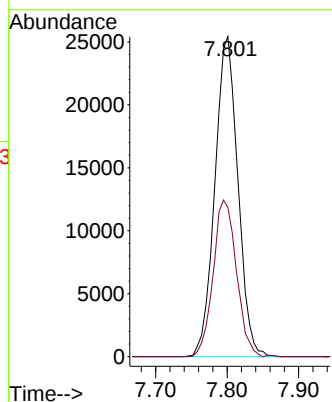
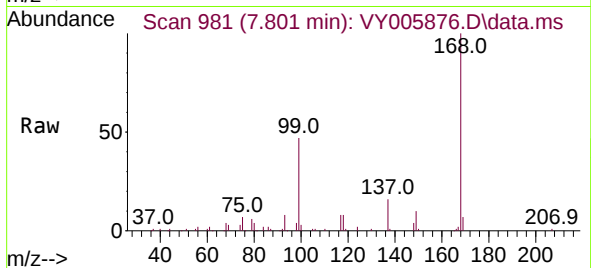




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

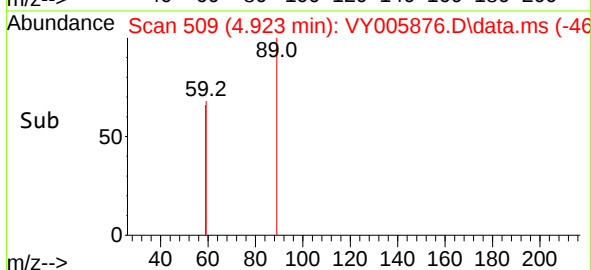
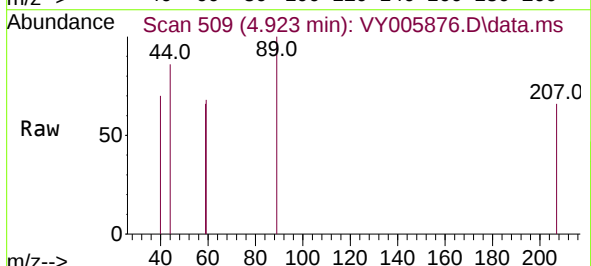
Instrument :
MSVOA_Y
ClientSampled :

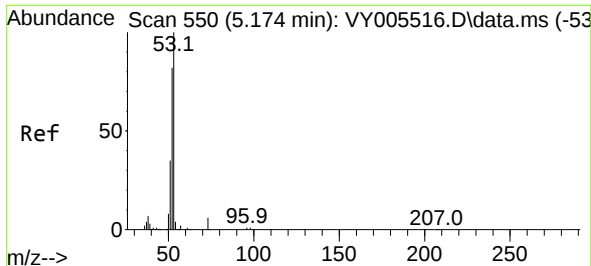
Tgt Ion:168 Resp: 56799
Ion Ratio Lower Upper
168 100
99 46.6 38.9 58.3



#11
Tert butyl alcohol
Concen: 5.560 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.043 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

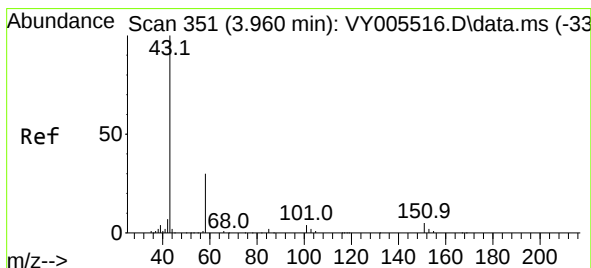
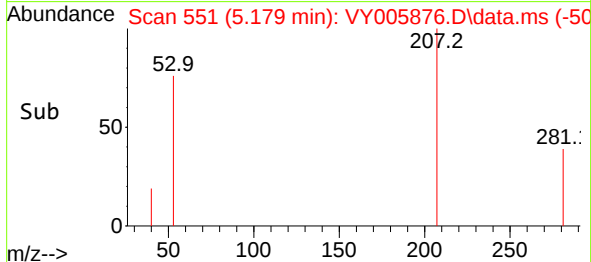
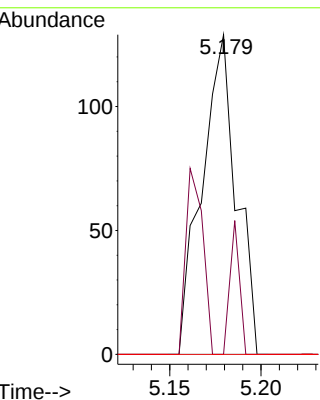
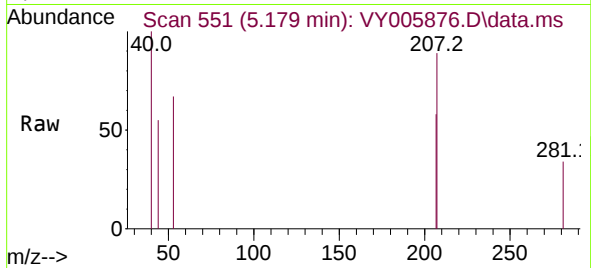




#15
Acrylonitrile
Concen: 1.063 ug/l
RT: 5.179 min Scan# 551
Delta R.T. 0.006 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

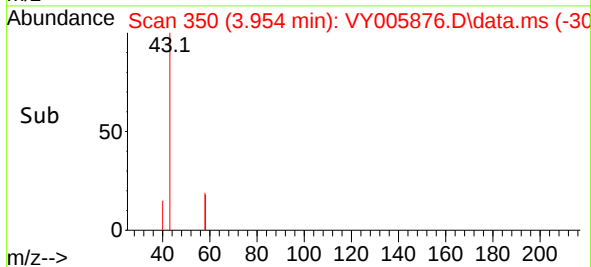
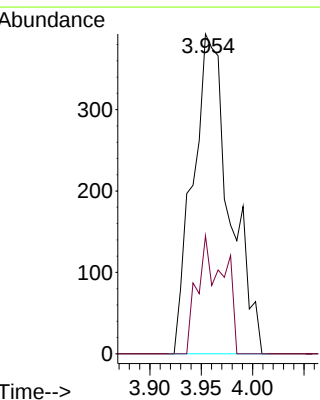
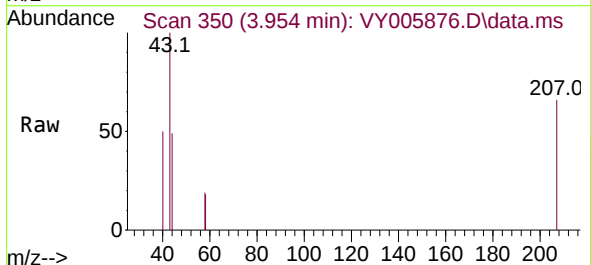
Instrument :
MSVOA_Y
ClientSampled :

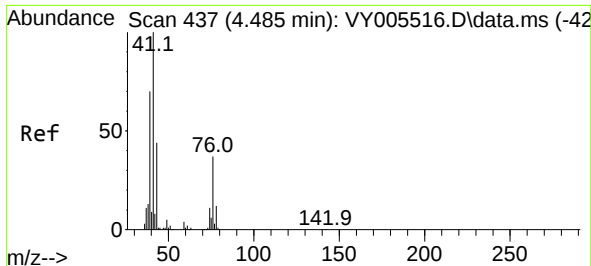
Tgt Ion: 53 Resp: 170
Ion Ratio Lower Upper
53 100
52 11.8 66.6 99.8#
51 0.0 29.9 44.9#



#16
Acetone
Concen: 6.733 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
58 36.9 23.8 35.6#

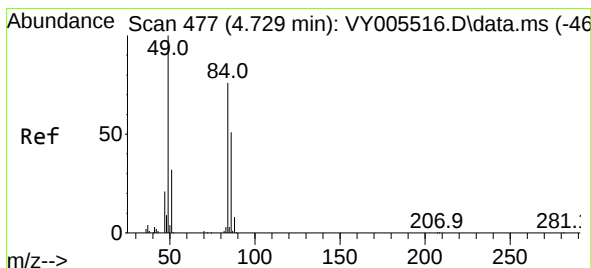
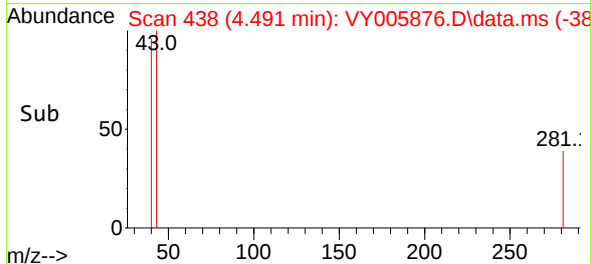
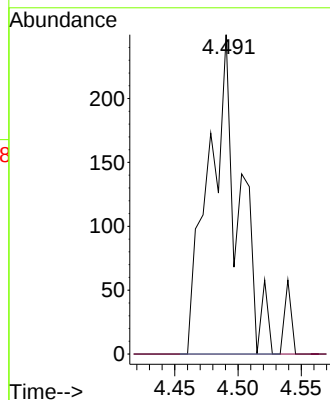
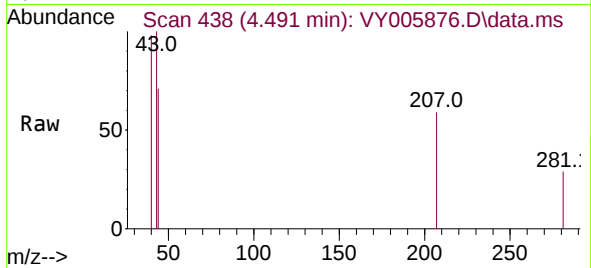




#18
Methyl Acetate
Concen: 1.113 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

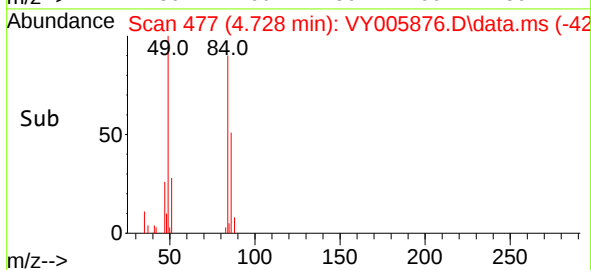
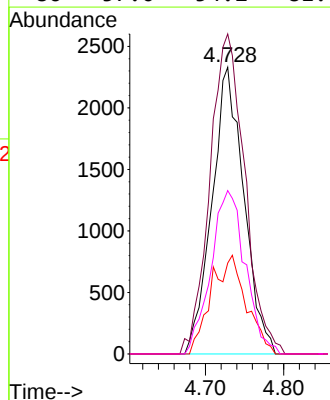
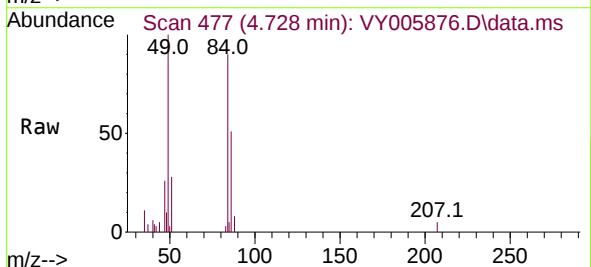
Instrument :
MSVOA_Y
ClientSampled :

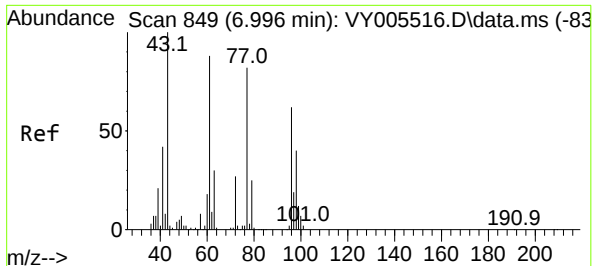
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 6.173 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

Tgt Ion: 84 Resp: 6601
Ion Ratio Lower Upper
84 100
49 111.6 105.8 158.6
51 31.7 33.4 50.2#
86 57.0 54.2 81.4





#25

2-Butanone

Concen: 1.045 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY005876.D

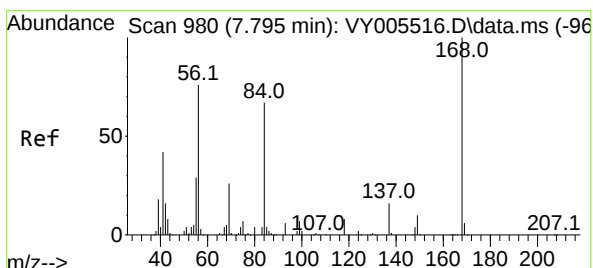
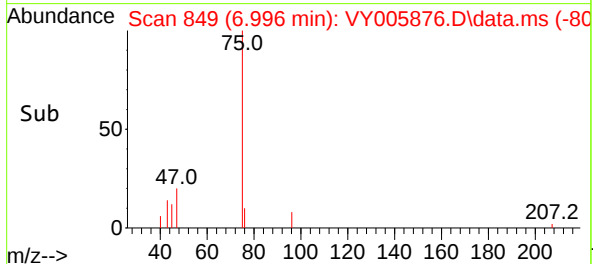
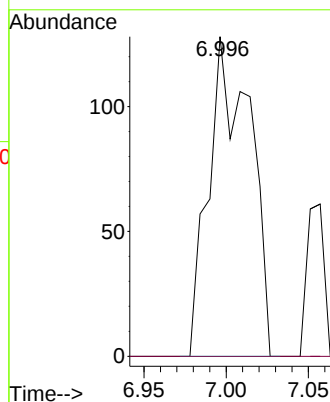
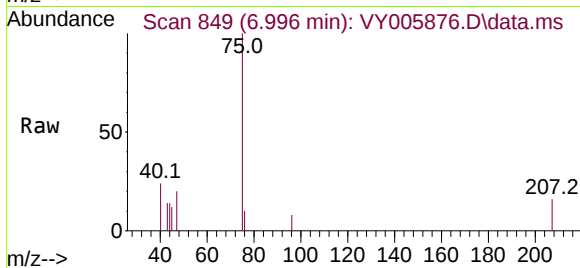
Acq: 27 Aug 2021 12:23

Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY005876.D

Acq: 27 Aug 2021 12:23

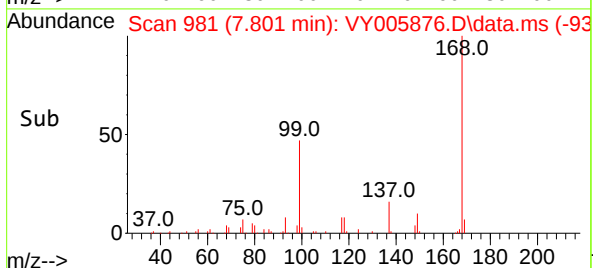
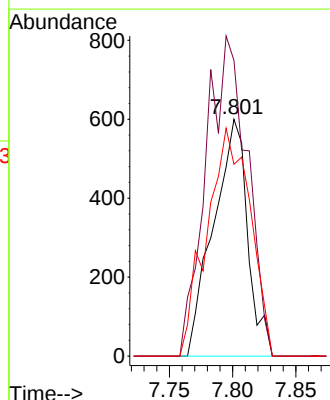
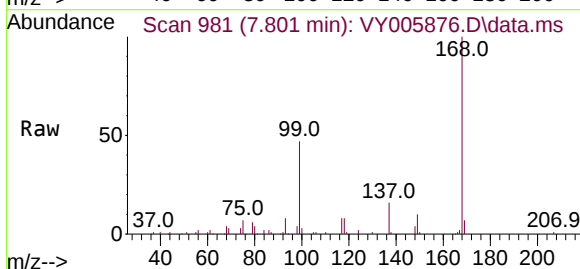
Tgt Ion: 56 Resp: 1127

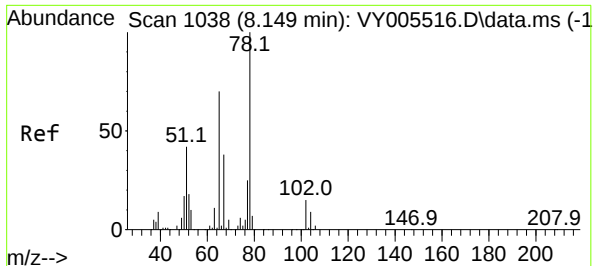
Ion Ratio Lower Upper

56 100

69 124.8 27.7 41.5#

84 81.0 70.9 106.3

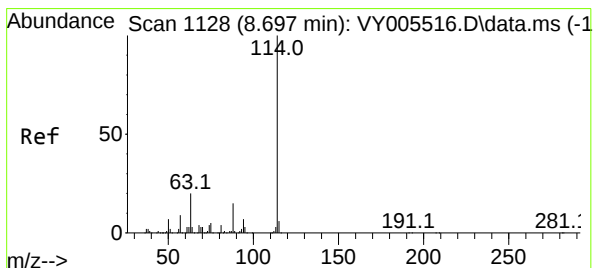
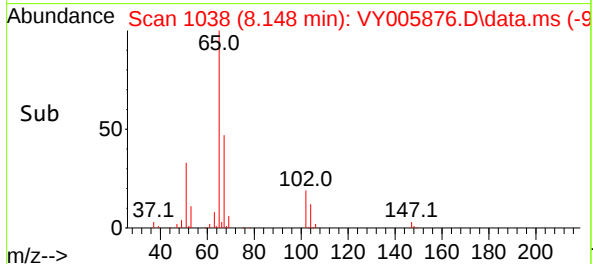
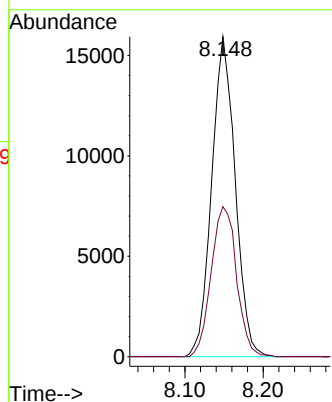
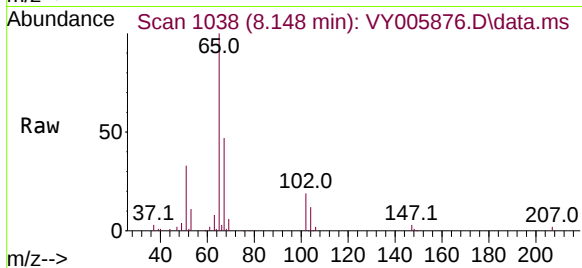




#33
 1,2-Dichloroethane-d4
 Concen: 57.741 ug/l
 RT: 8.148 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY005876.D
 Acq: 27 Aug 2021 12:23

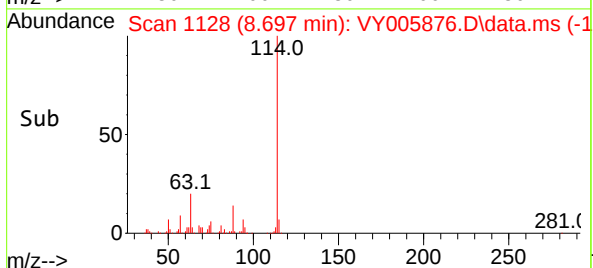
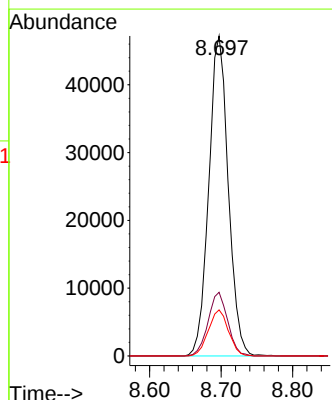
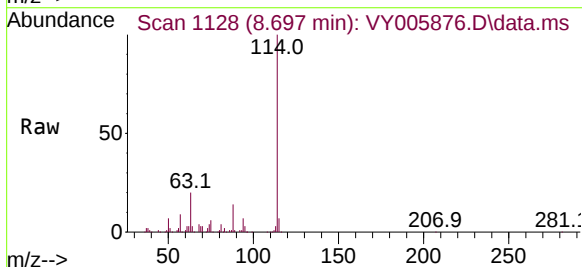
Instrument :
 MSVOA_Y
 ClientSampled :

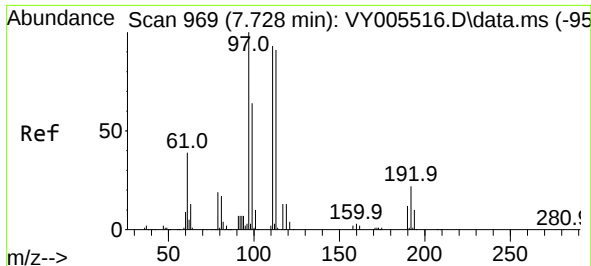
Tgt Ion: 65 Resp: 33198
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY005876.D
 Acq: 27 Aug 2021 12:23

Tgt Ion: 114 Resp: 89229
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.2
 88 14.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 56.208 ug/l

RT: 7.728 min Scan# 969

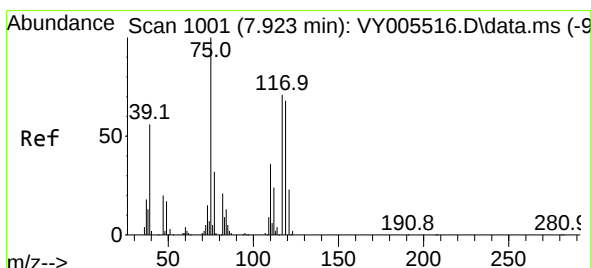
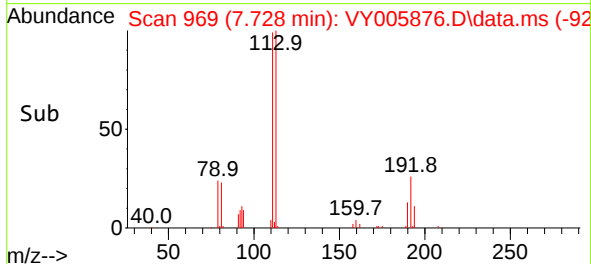
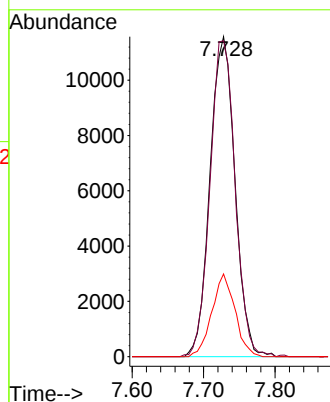
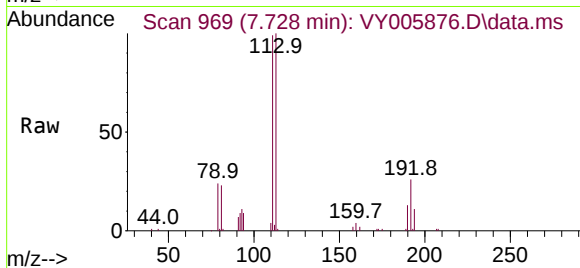
Delta R.T. -0.000 min

Lab File: VY005876.D

Acq: 27 Aug 2021 12:23

Tgt Ion:	113	Resp:	28080
Ion	Ratio	Lower	Upper
113	100		
111	99.6	81.9	122.9
192	23.9	19.2	28.8

Instrument :
MSVOA_Y
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.789 ug/l

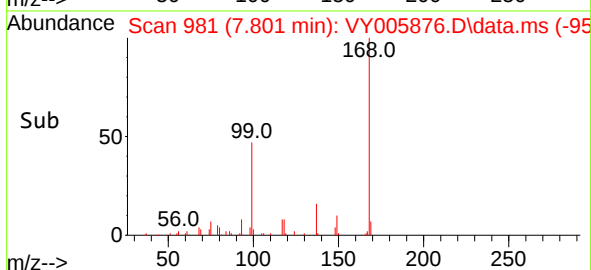
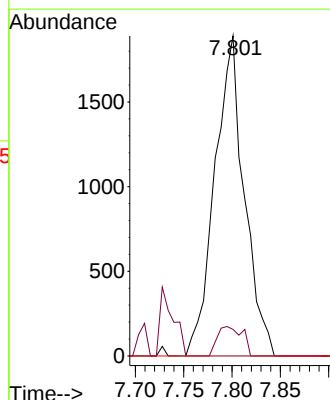
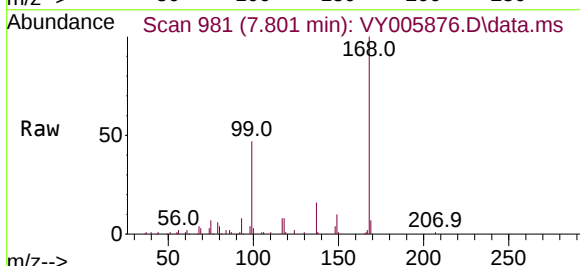
RT: 7.801 min Scan# 981

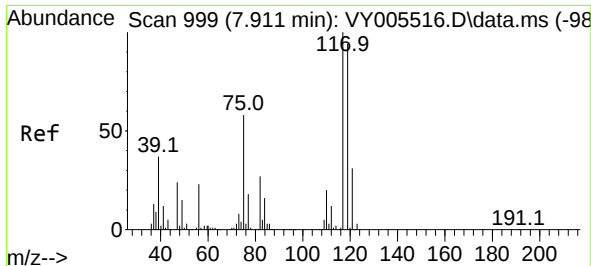
Delta R.T. -0.122 min

Lab File: VY005876.D

Acq: 27 Aug 2021 12:23

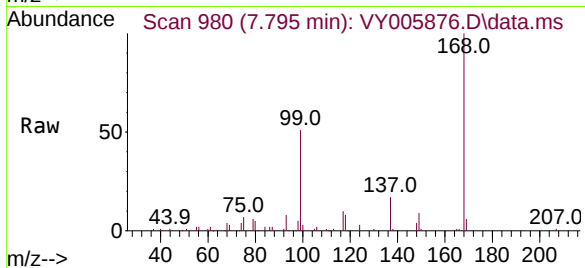
Tgt Ion:	75	Resp:	4008
Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.1#
77	0.0	25.1	37.7#



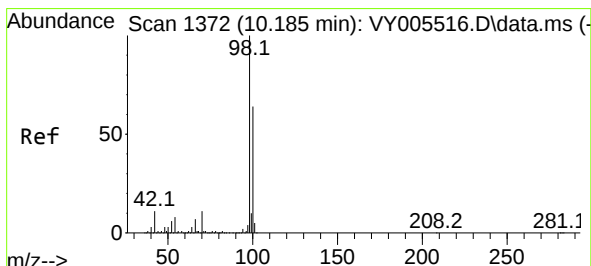
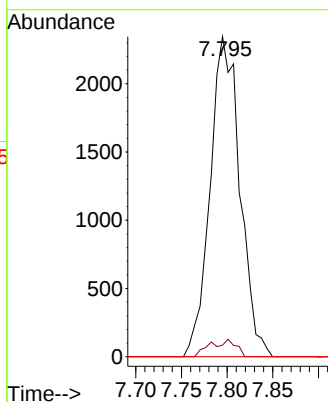
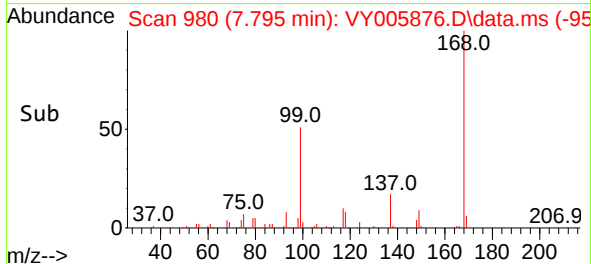


#38
Carbon Tetrachloride
Concen: 5.843 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

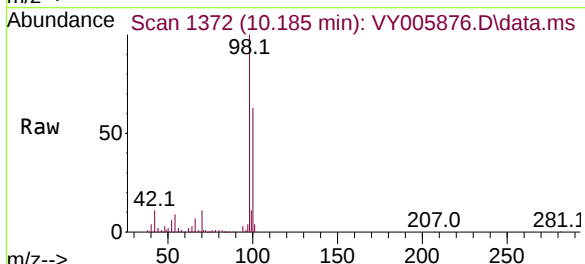
Instrument :
MSVOA_Y
ClientSampled :



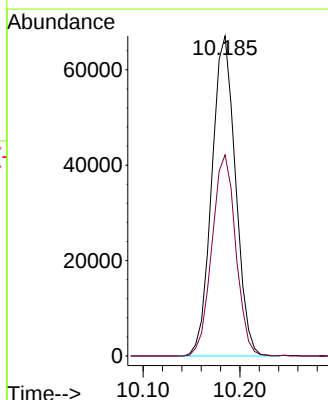
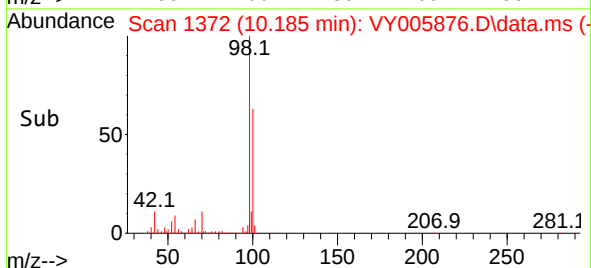
Tgt Ion:117 Resp: 5315
Ion Ratio Lower Upper
117 100
119 3.6 75.4 113.0#
121 0.0 25.1 37.7#

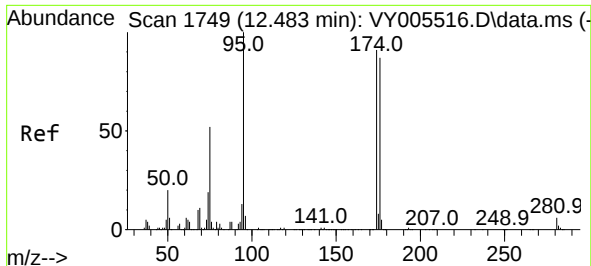


#50
Toluene-d8
Concen: 54.433 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23



Tgt Ion: 98 Resp: 114047
Ion Ratio Lower Upper
98 100
100 63.1 51.3 76.9

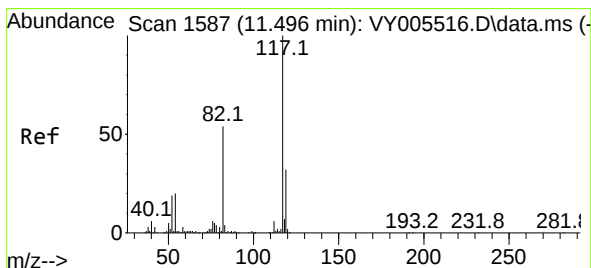
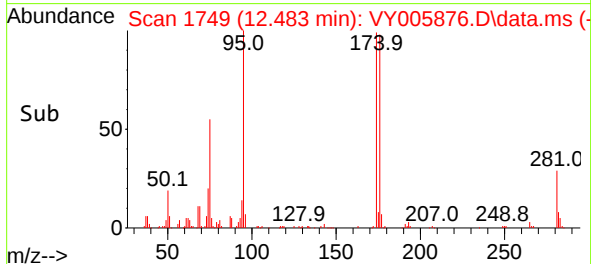
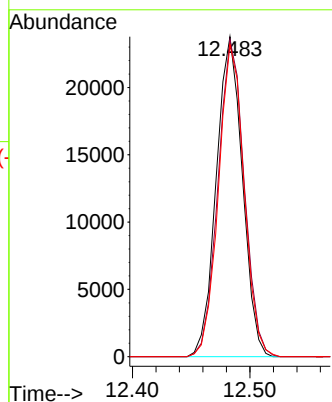
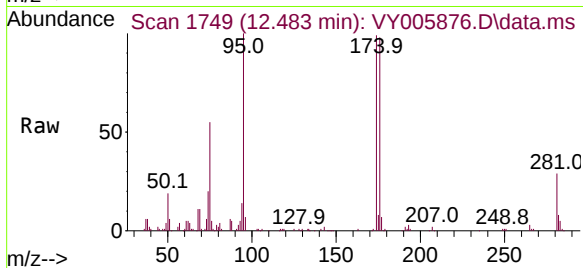




#62
4-Bromofluorobenzene
Concen: 52.858 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

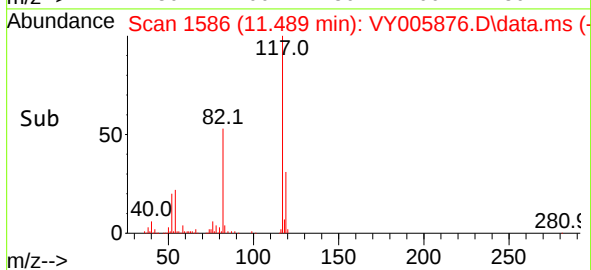
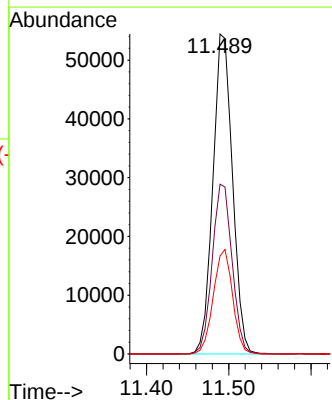
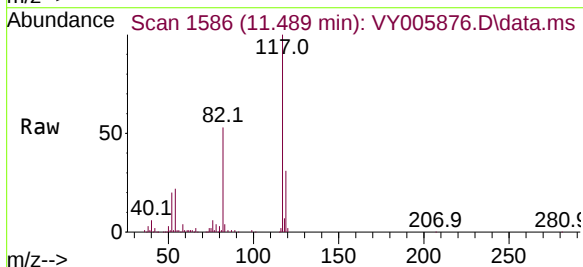
Instrument :
MSVOA_Y
ClientSampleId :

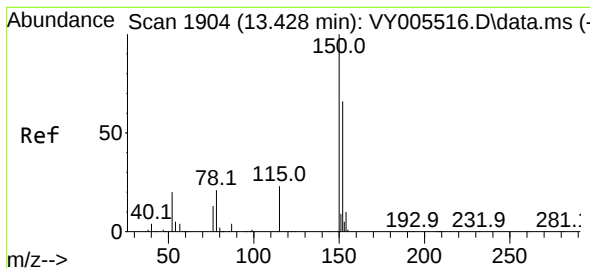
Tgt Ion:	95	Resp:	36674
Ion	Ratio	Lower	Upper
95	100		
174	99.3	0.0	191.4
176	95.5	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

Tgt Ion:	117	Resp:	89916
Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.5	65.3
119	30.6	25.5	38.3

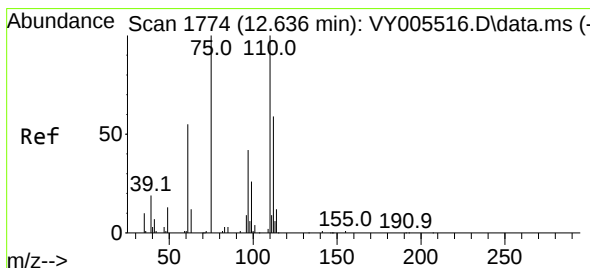
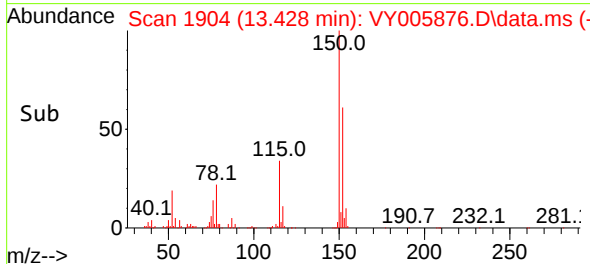
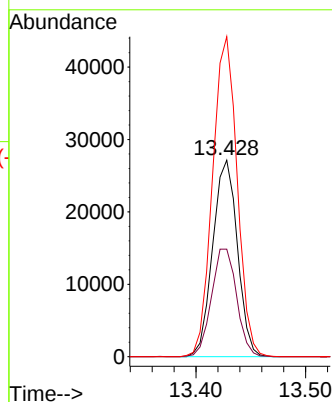
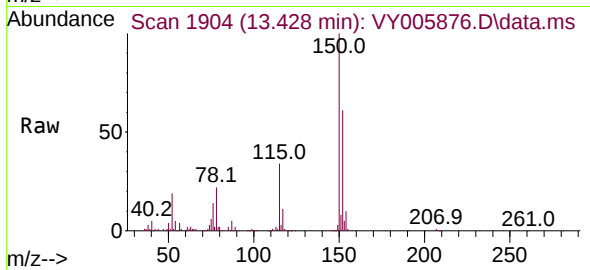




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005876.D
 Acq: 27 Aug 2021 12:23

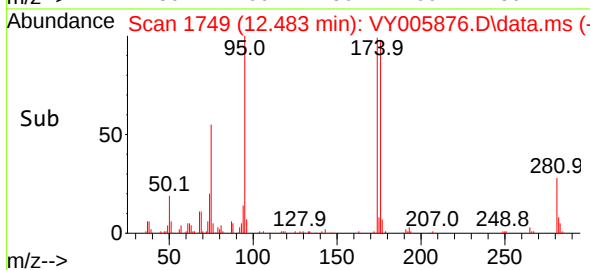
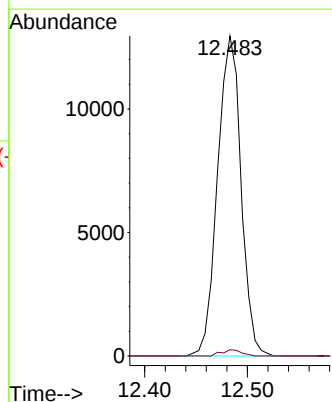
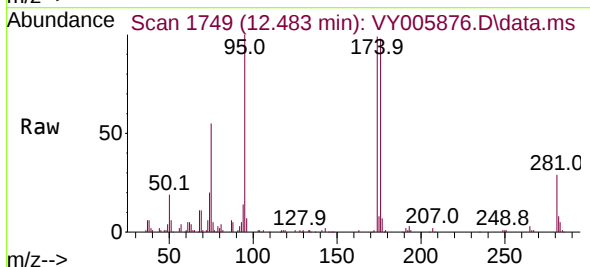
Instrument :
 MSVOA_Y
 ClientSampled :

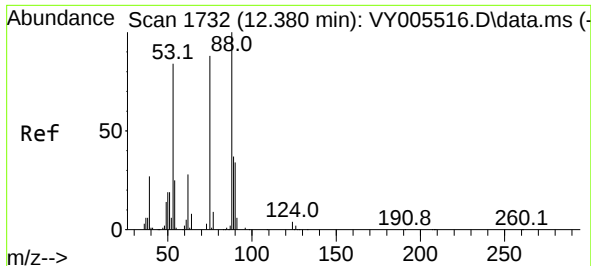
Tgt Ion:152 Resp: 42480
 Ion Ratio Lower Upper
 152 100
 115 56.0 27.3 81.9
 150 162.2 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 46.623 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY005876.D
 Acq: 27 Aug 2021 12:23

Tgt Ion: 75 Resp: 20524
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

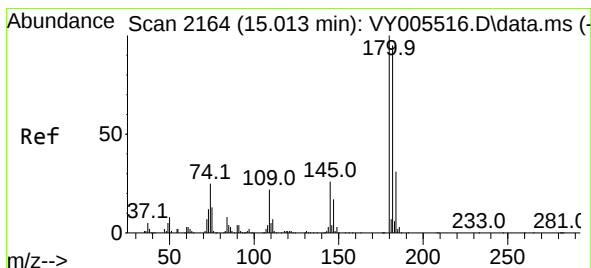
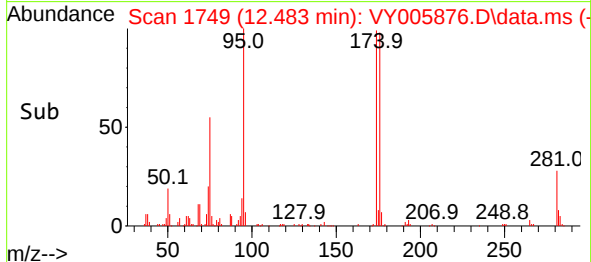
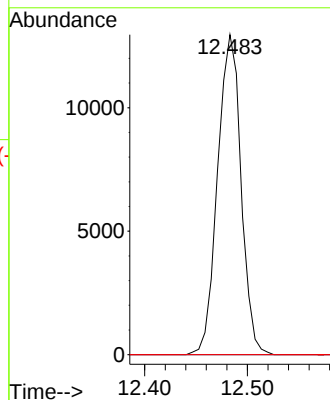
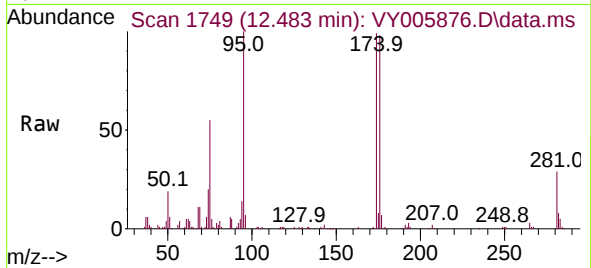




#81
trans-1,4-Dichloro-2-butene
Concen: 93.985 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

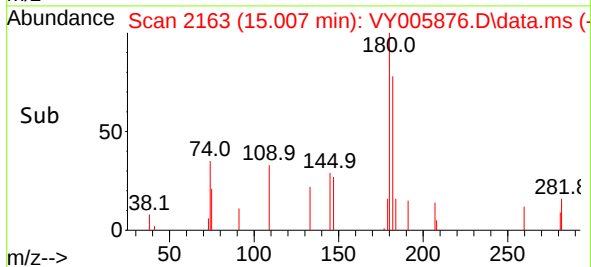
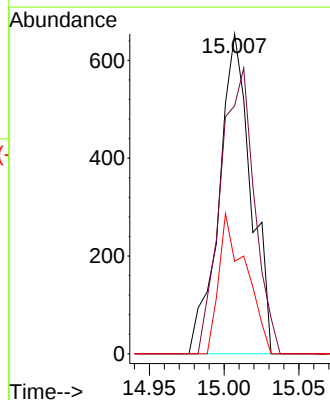
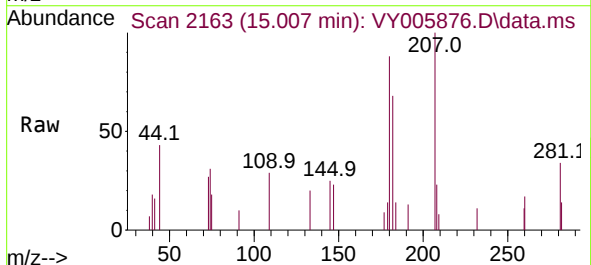
Instrument :
MSVOA_Y
ClientSampleId :

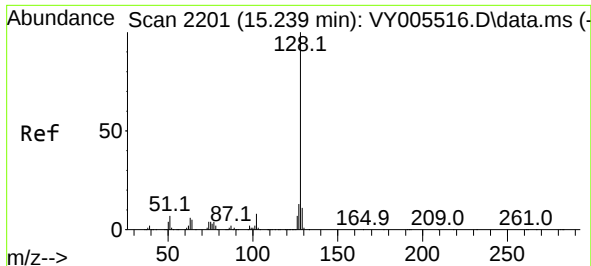
Tgt Ion: 75 Resp: 20524
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.125 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

Tgt Ion:180 Resp: 970
Ion Ratio Lower Upper
180 100
182 94.5 47.8 143.4
145 37.2 14.0 42.0

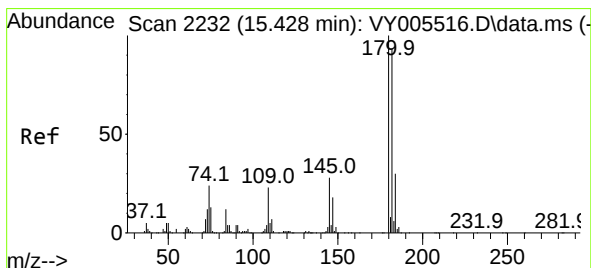
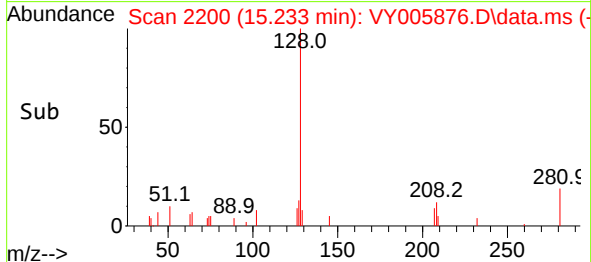
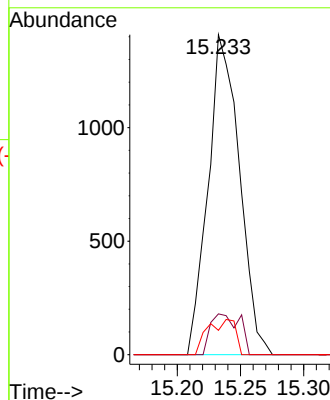
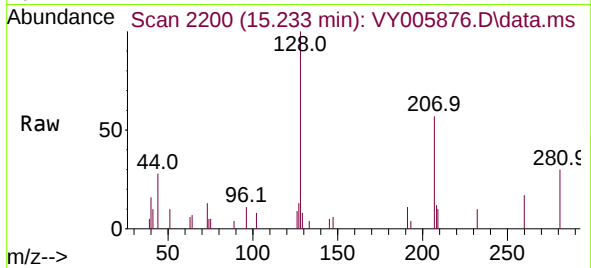




#95
Naphthalene
Concen: 1.427 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	128	Resp:	2427
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.6	15.8
129	9.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.479 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY005876.D
Acq: 27 Aug 2021 12:23

Tgt Ion:	180	Resp:	1130
Ion Ratio	Lower	Upper	
180	100		
182	87.1	47.9	143.6
145	31.2	14.6	44.0

