

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101021\
 Data File : VY006368.D
 Acq On : 09 Oct 2021 16:22
 Operator : SY/MD
 Sample : M4147-01
 Misc : 6.16G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 03:21:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

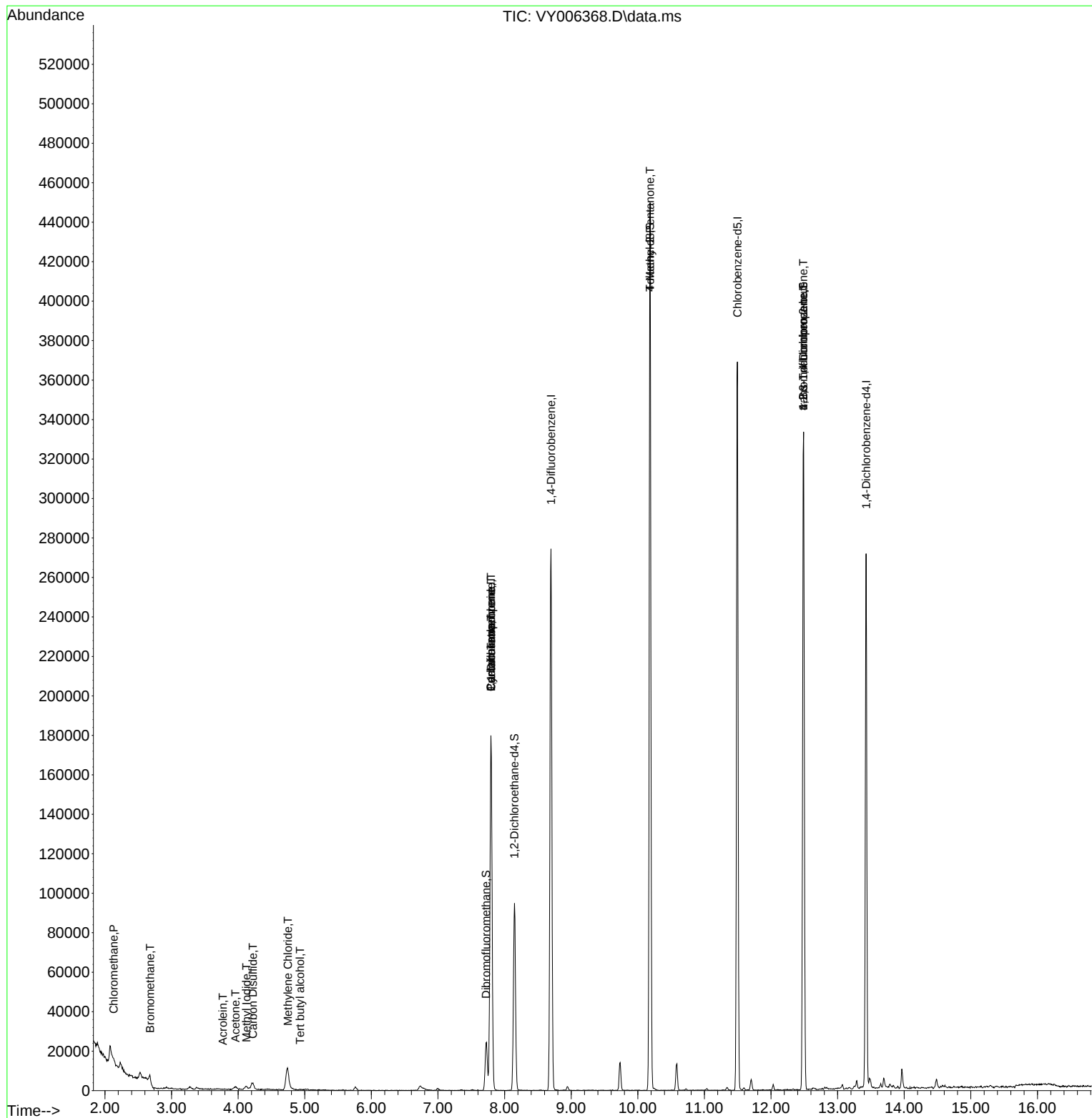
Internal Standards						
1) Pentafluorobenzene	7.795	168	138765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	228217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	192008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	77499	52.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.360%	
35) Dibromofluoromethane	7.722	113	16668	13.670	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 27.340%#	
50) Toluene-d8	10.185	98	280715	55.011	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.020%	
62) 4-Bromofluorobenzene	12.483	95	74067	42.726	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.131	50	2567	1.566	ug/l	89
5) Bromomethane	2.680	94	3148	2.666	ug/l	100
10) Methyl Iodide	4.125	142	3105	2.230	ug/l #	86
11) Tert butyl alcohol	4.930	59	855	6.581	ug/l #	77
13) Acrolein	3.771	56	21	18.692	ug/l #	14
16) Acetone	3.960	43	2756	6.644	ug/l	94
17) Carbon Disulfide	4.223	76	5342	1.229	ug/l #	93
20) Methylene Chloride	4.747	84	7733	1.799	ug/l #	81
31) Cyclohexane	7.795	56	3293	1.170	ug/l #	31
36) 1,1-Dichloropropene	7.795	75	11001	4.845	ug/l #	51
38) Carbon Tetrachloride	7.795	117	13230	5.518	ug/l #	15
51) 4-Methyl-2-Pentanone	10.185	43	1323	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	42004	65.042	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42004	127.816	ug/l #	8

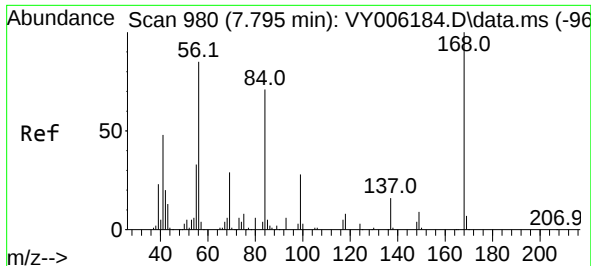
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101021\
Data File : VY006368.D
Acq On : 09 Oct 2021 16:22
Operator : SY/MD
Sample : M4147-01
Misc : 6.16G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 11 03:21:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 17:44:36 2021
Response via : Initial Calibration

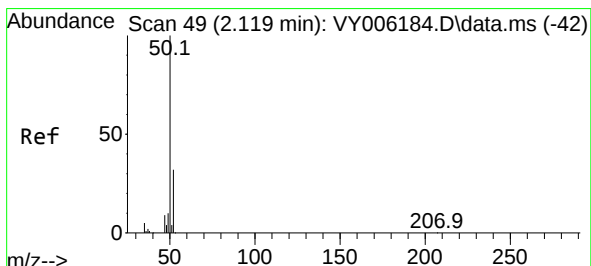
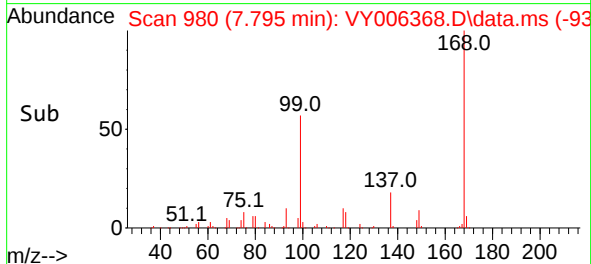
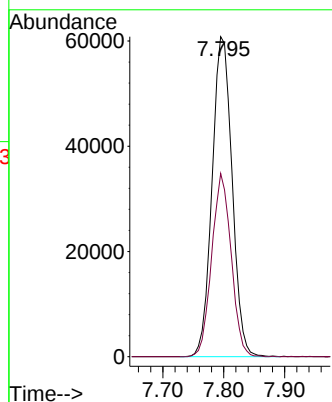
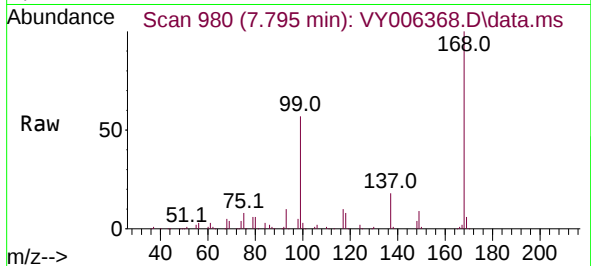




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

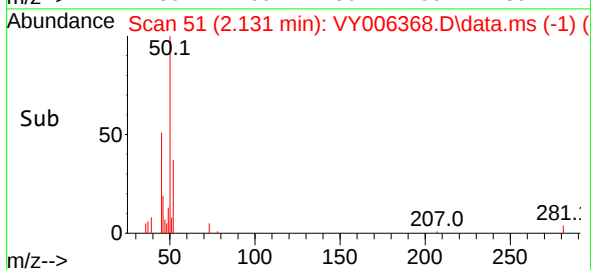
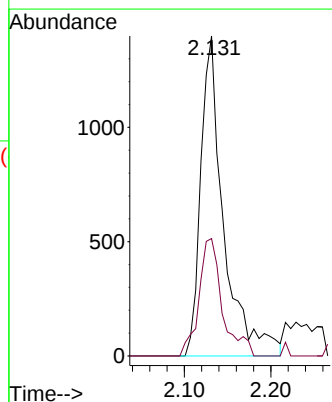
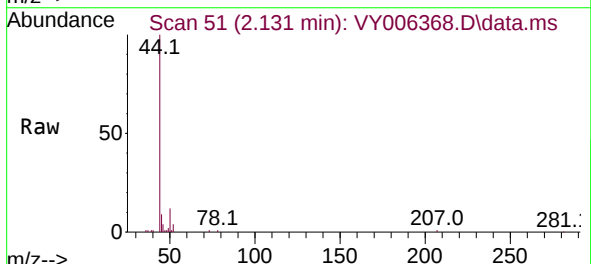
Instrument :
MSVOA_Y
ClientSampled :

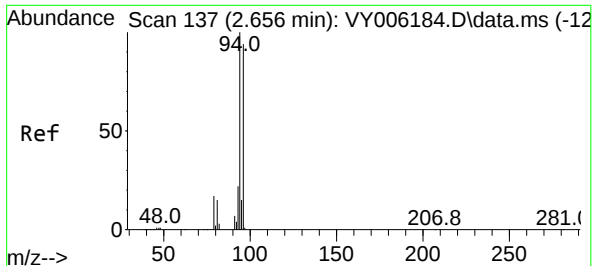
Tgt Ion:168 Resp: 138765
Ion Ratio Lower Upper
168 100
99 57.2 46.9 70.3



#3
Chloromethane
Concen: 1.566 ug/l
RT: 2.131 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

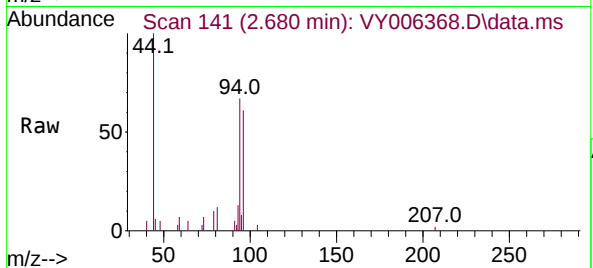
Tgt Ion: 50 Resp: 2567
Ion Ratio Lower Upper
50 100
52 36.7 24.6 37.0



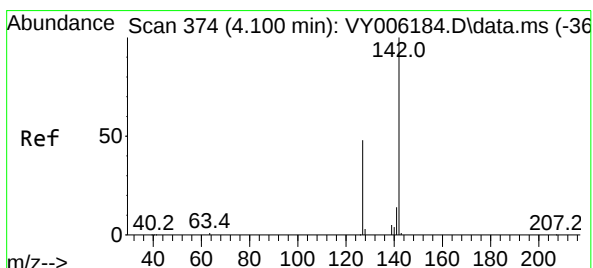
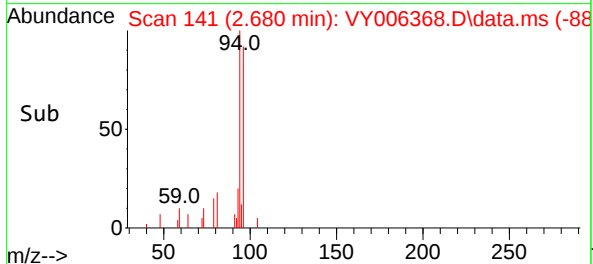
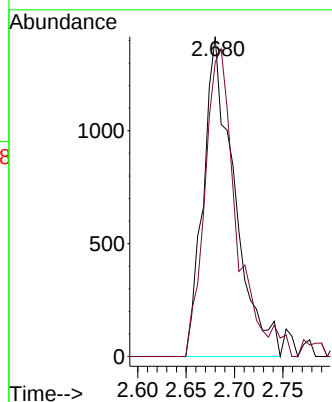


#5
Bromomethane
Concen: 2.666 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.024 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Instrument :
MSVOA_Y
ClientSampled :

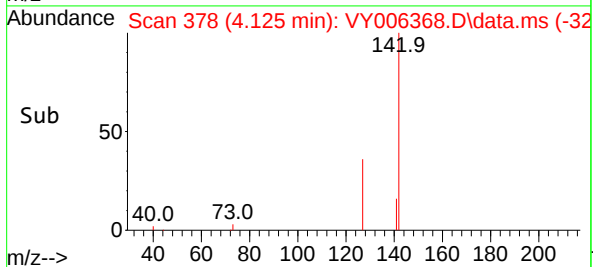
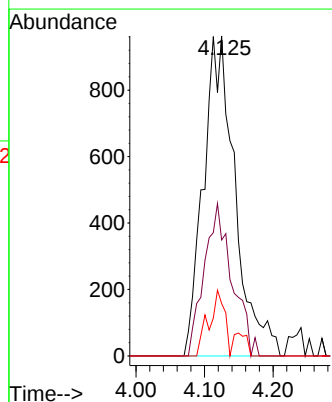
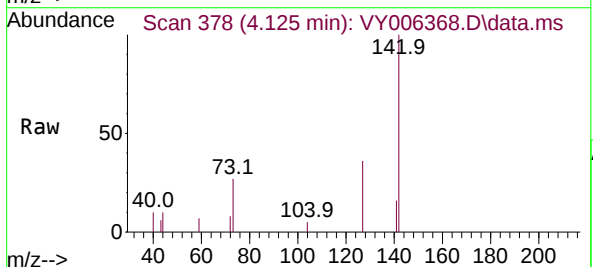


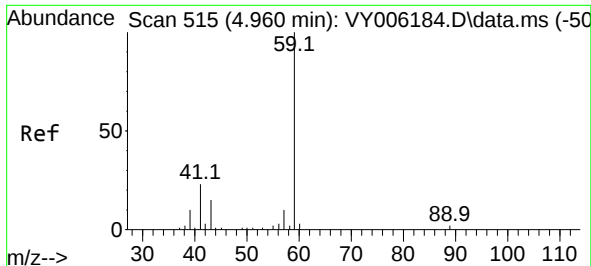
Tgt Ion: 94 Resp: 3148
Ion Ratio Lower Upper
94 100
96 92.1 73.5 110.3



#10
Methyl Iodide
Concen: 2.230 ug/l
RT: 4.125 min Scan# 378
Delta R.T. 0.025 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Tgt Ion:142 Resp: 3105
Ion Ratio Lower Upper
142 100
127 41.8 41.5 62.3
141 10.1 11.9 17.9#





#11

Tert butyl alcohol

Concen: 6.581 ug/l

RT: 4.930 min Scan# 510

Delta R.T. -0.030 min

Lab File: VY006368.D

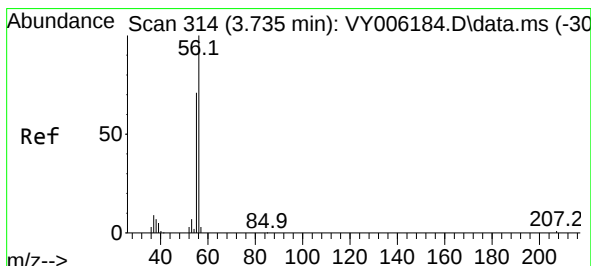
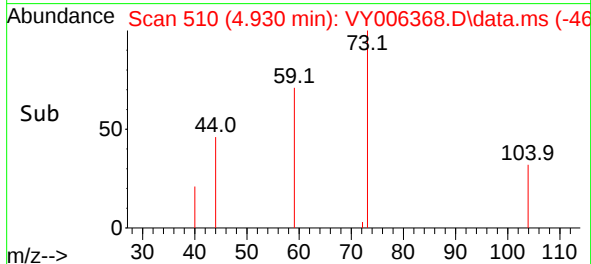
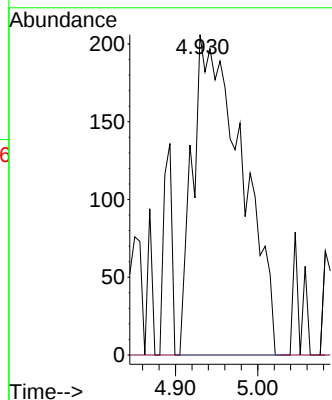
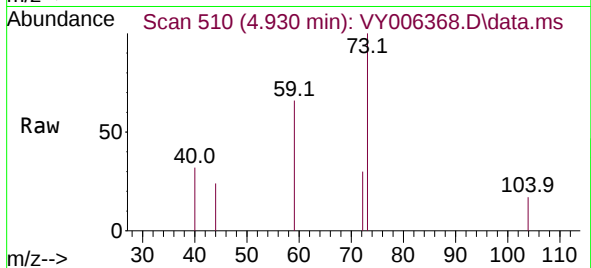
Acq: 09 Oct 2021 16:22

Tgt Ion: 59 Resp: 855

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 18.692 ug/l

RT: 3.771 min Scan# 320

Delta R.T. 0.036 min

Lab File: VY006368.D

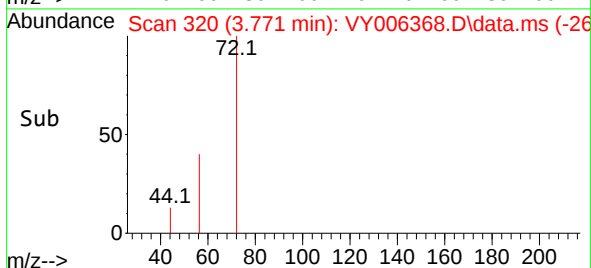
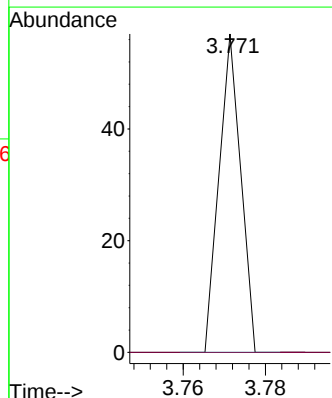
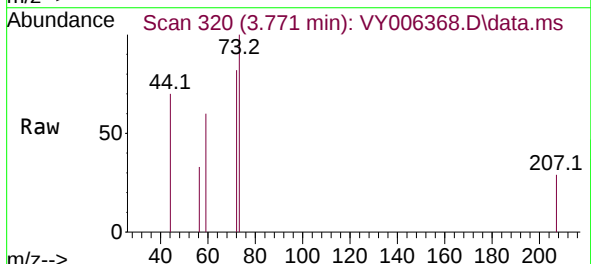
Acq: 09 Oct 2021 16:22

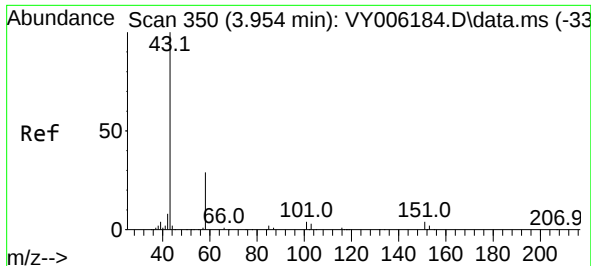
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

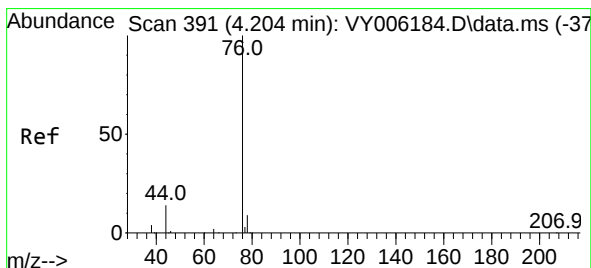
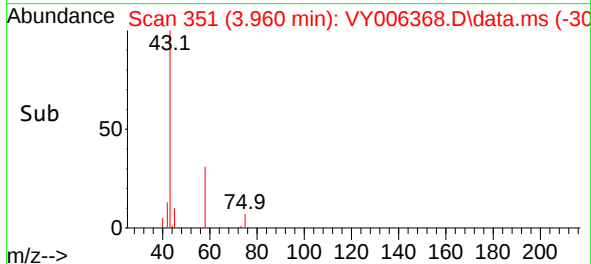
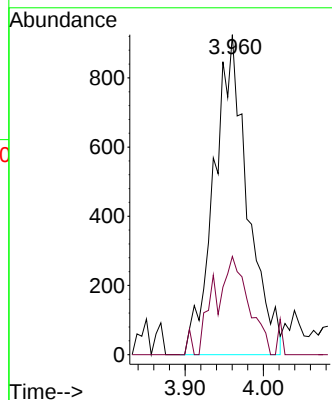
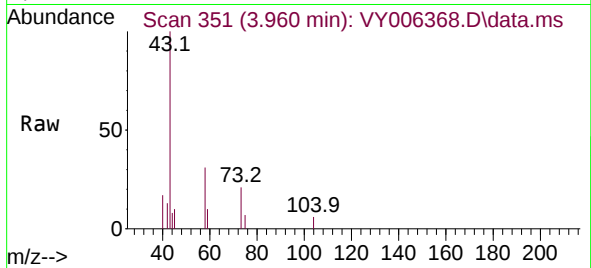




#16
Acetone
Concen: 6.644 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

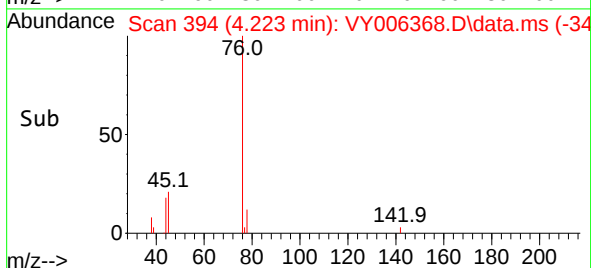
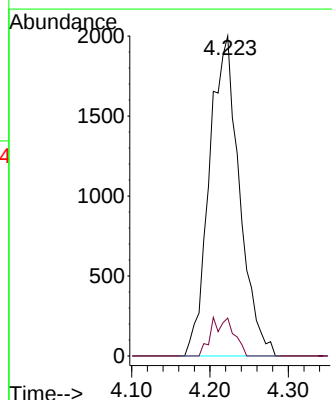
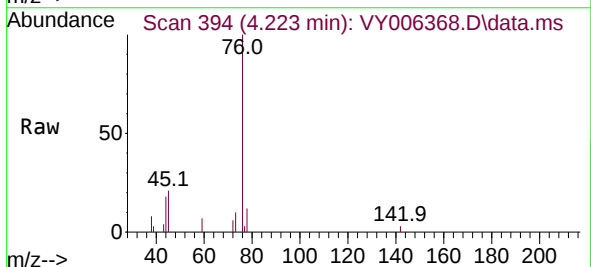
Instrument :
MSVOA_Y
ClientSampled :

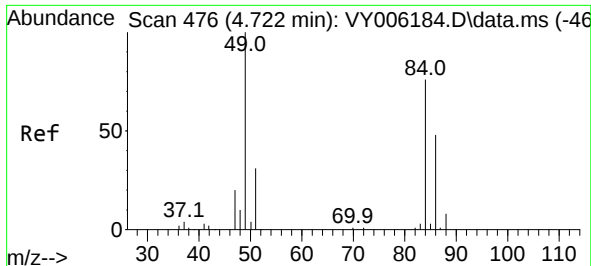
Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
58 30.7 22.0 33.0



#17
Carbon Disulfide
Concen: 1.229 ug/l
RT: 4.223 min Scan# 394
Delta R.T. 0.019 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Tgt Ion: 76 Resp: 5342
Ion Ratio Lower Upper
76 100
78 11.8 7.4 11.0#

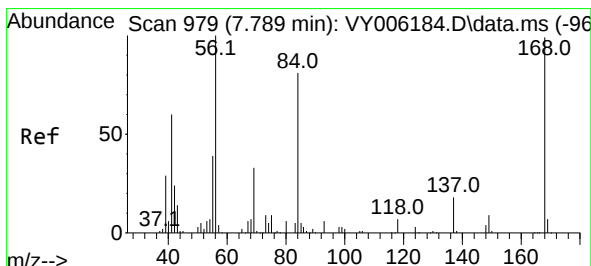
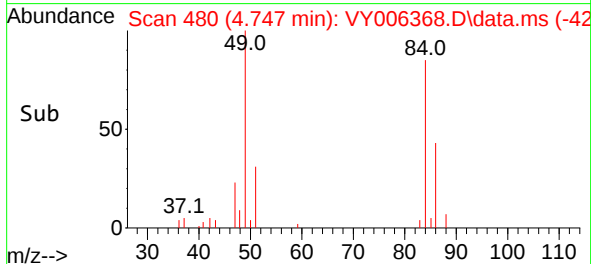
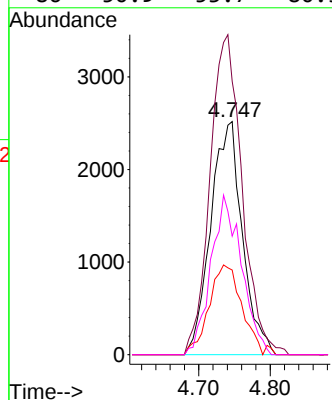
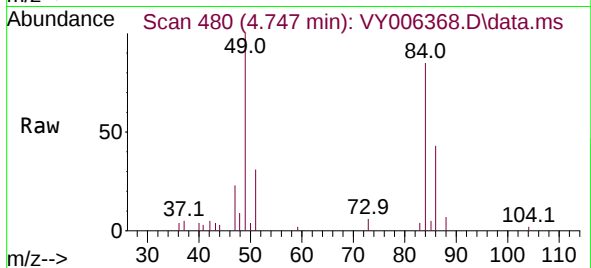




#20
Methylene Chloride
Concen: 1.799 ug/l
RT: 4.747 min Scan# 480
Delta R.T. 0.025 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

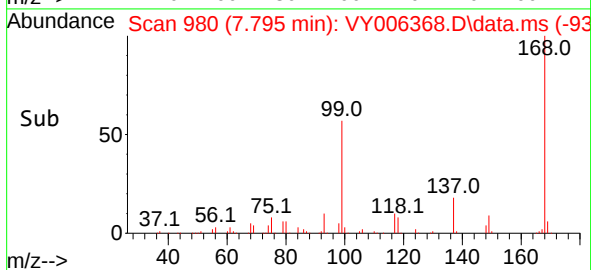
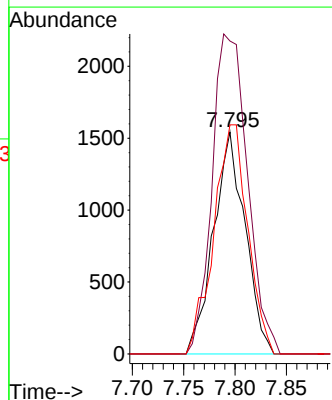
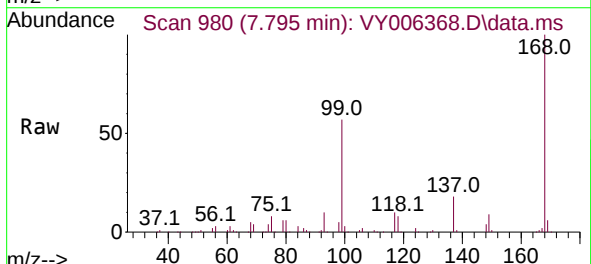
Instrument :
MSVOA_Y
ClientSampled :

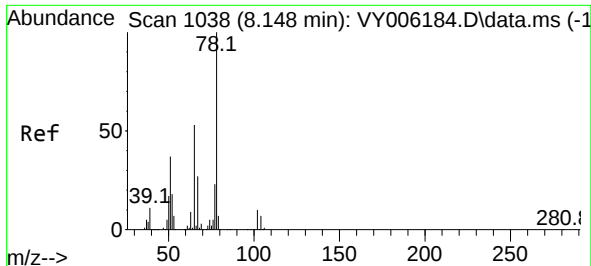
Tgt Ion: 84 Resp: 7733
Ion Ratio Lower Upper
84 100
49 117.2 114.4 171.6
51 36.3 35.3 52.9
86 50.9 53.7 80.5#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Tgt Ion: 56 Resp: 3293
Ion Ratio Lower Upper
56 100
69 141.0 26.7 40.1#
84 103.2 67.2 100.8#

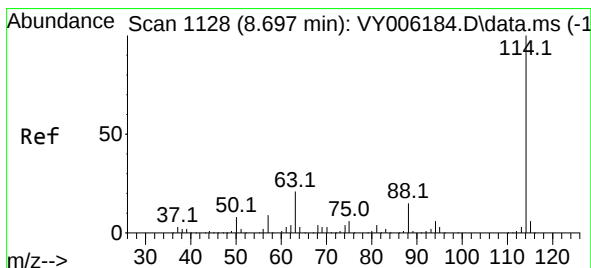
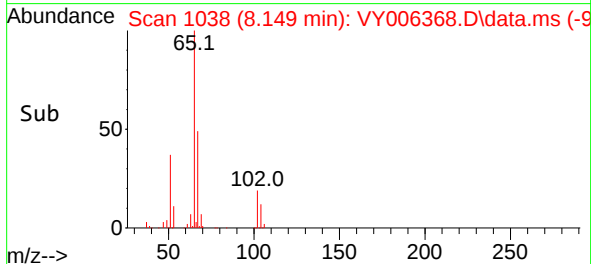
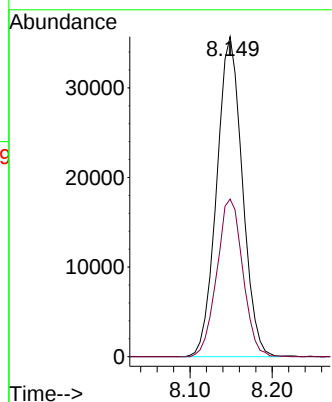
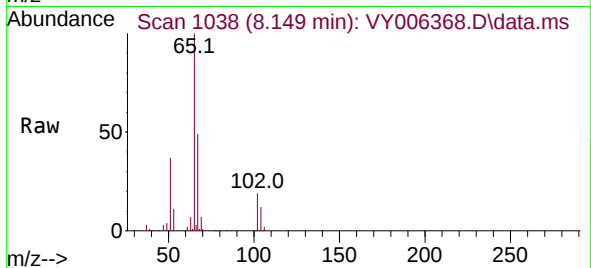




#33
1,2-Dichloroethane-d4
Concen: 52.181 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

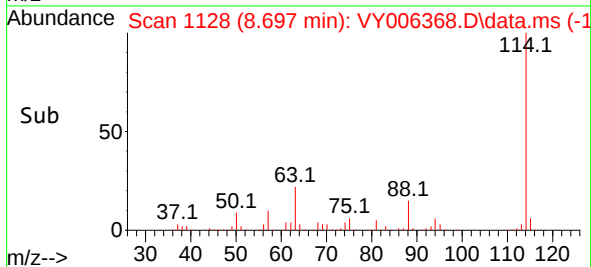
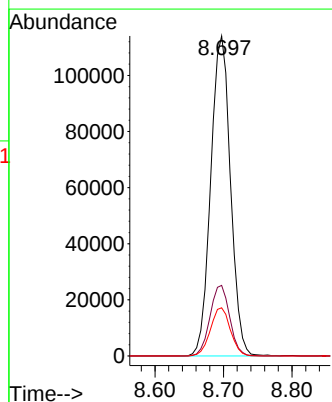
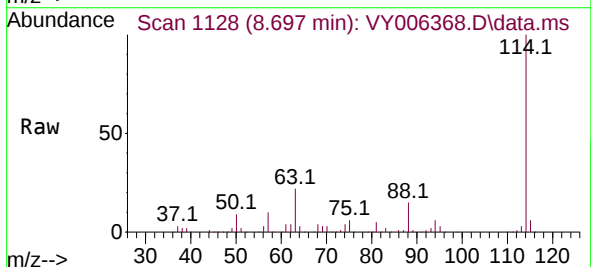
Instrument :
MSVOA_Y
ClientSampled :

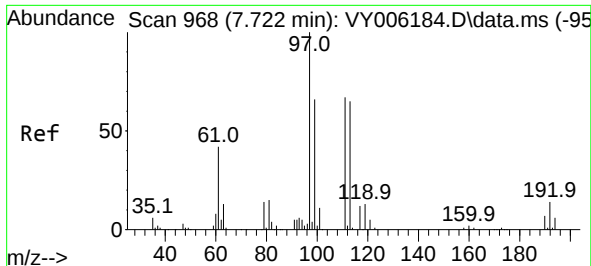
Tgt Ion: 65 Resp: 77499
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Tgt Ion: 114 Resp: 228217
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.2
88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 13.670 ug/l

RT: 7.722 min Scan# 968

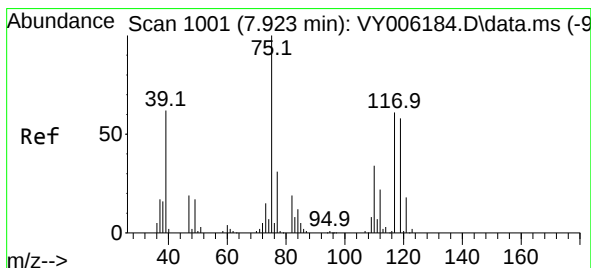
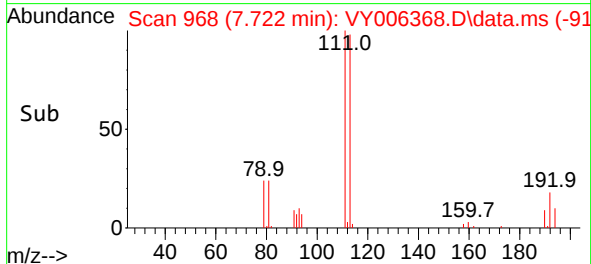
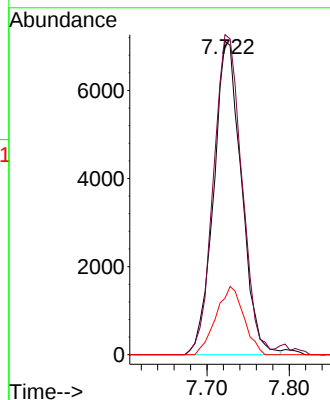
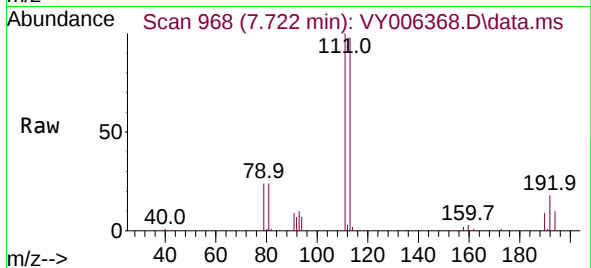
Delta R.T. 0.000 min

Lab File: VY006368.D

Acq: 09 Oct 2021 16:22

Tgt Ion:	113	Resp:	16668
Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.6	124.0
192	21.8	17.6	26.4

Instrument :
MSVOA_Y
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.845 ug/l

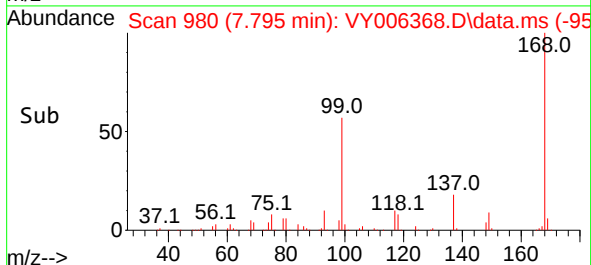
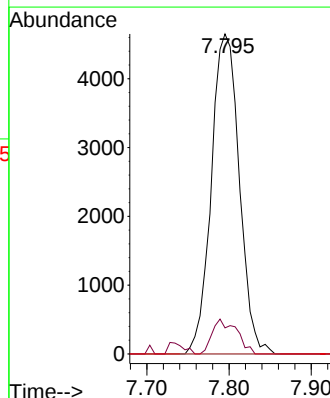
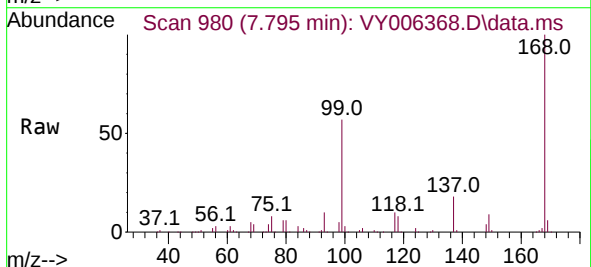
RT: 7.795 min Scan# 980

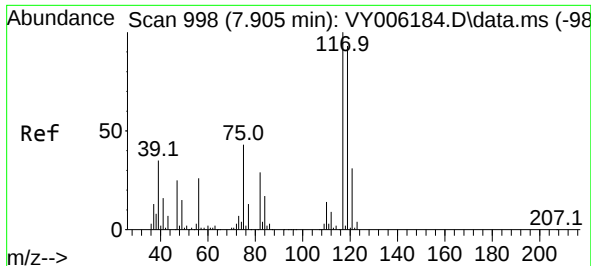
Delta R.T. -0.128 min

Lab File: VY006368.D

Acq: 09 Oct 2021 16:22

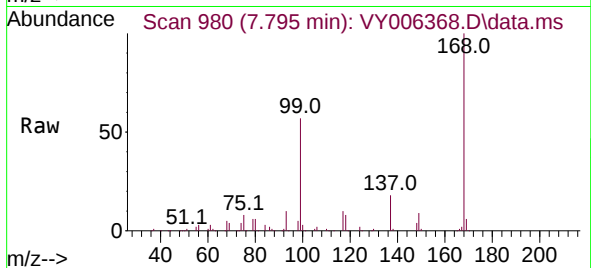
Tgt Ion:	75	Resp:	11001
Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.1	51.2#
77	0.0	24.4	36.6#



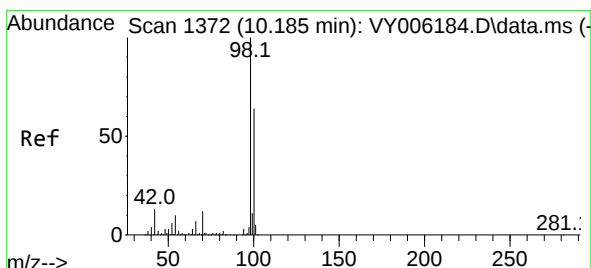
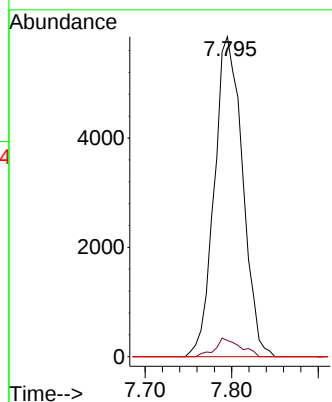
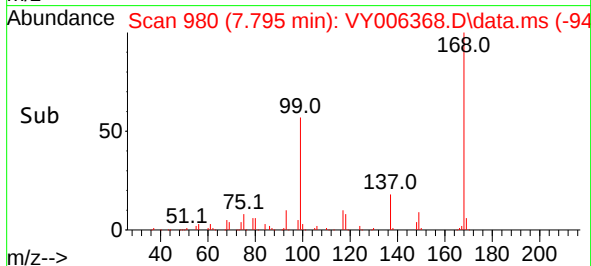


#38
Carbon Tetrachloride
Concen: 5.518 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

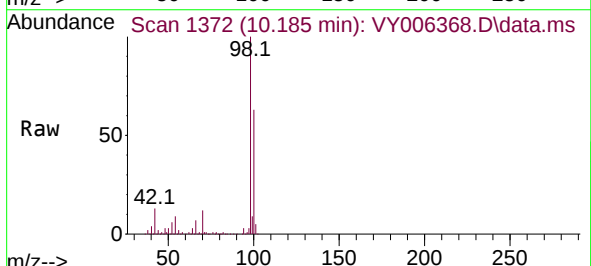
Instrument :
MSVOA_Y
ClientSampleId :



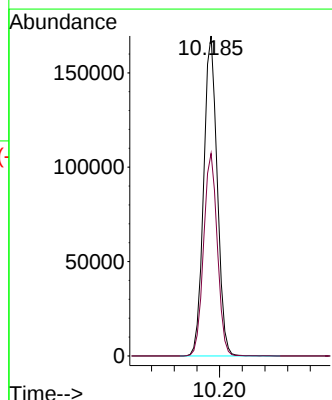
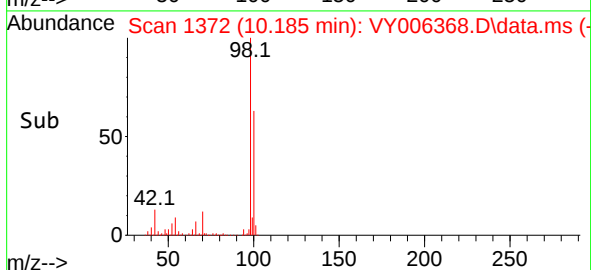
Tgt Ion:117 Resp: 13230
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#

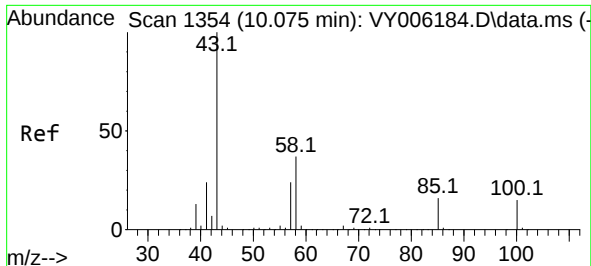


#50
Toluene-d8
Concen: 55.011 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22



Tgt Ion: 98 Resp: 280715
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

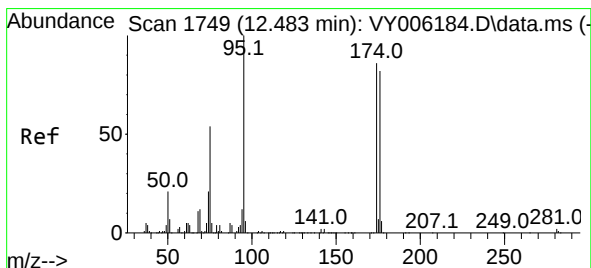
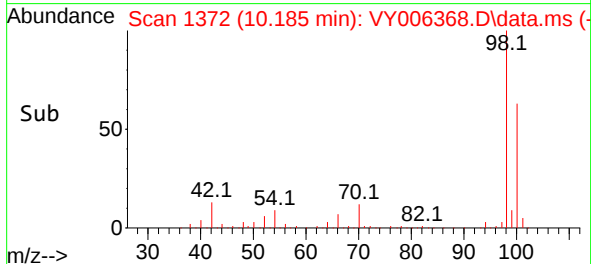
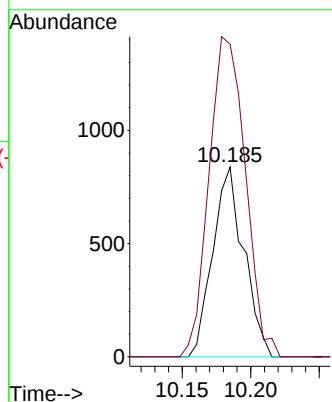
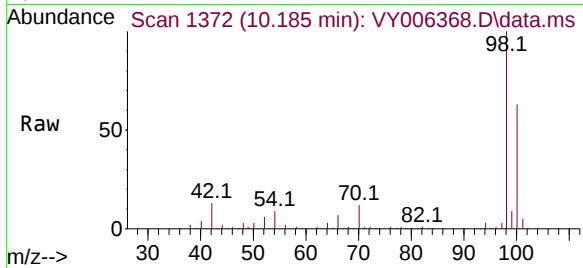




#51
4-Methyl-2-Pentanone
Concen: 1.004 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

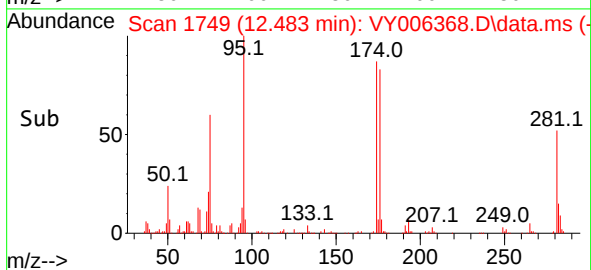
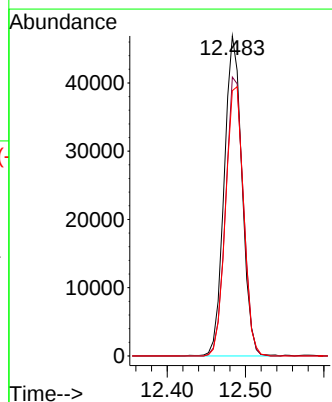
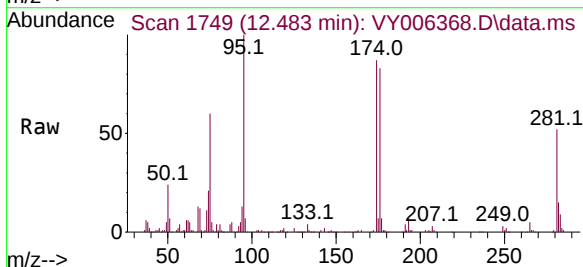
Instrument :
MSVOA_Y
ClientSampled :

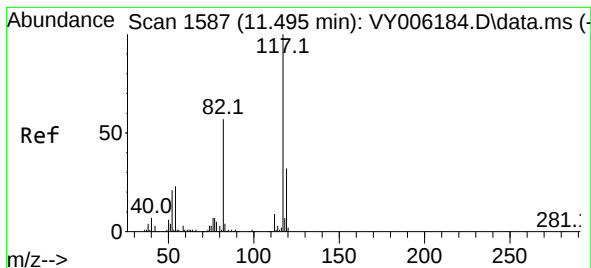
Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 197.0 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 42.726 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Tgt Ion: 95 Resp: 74067
Ion Ratio Lower Upper
95 100
174 86.9 0.0 177.0
176 85.2 0.0 175.8

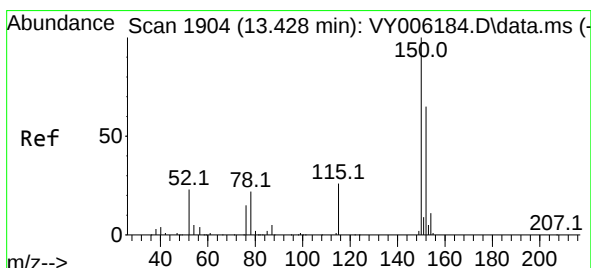
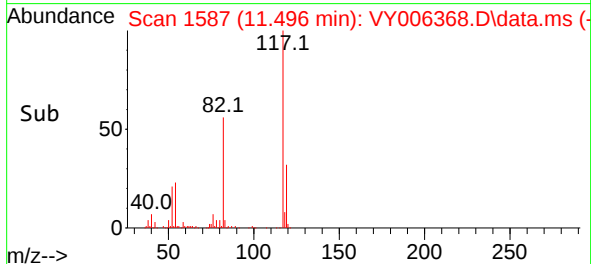
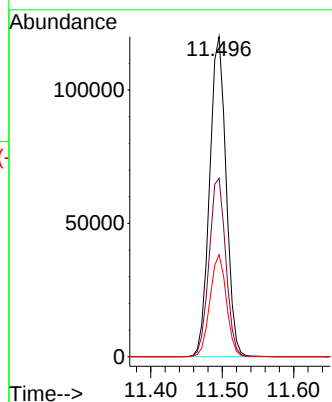
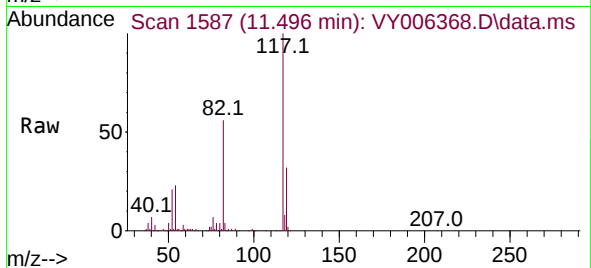




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

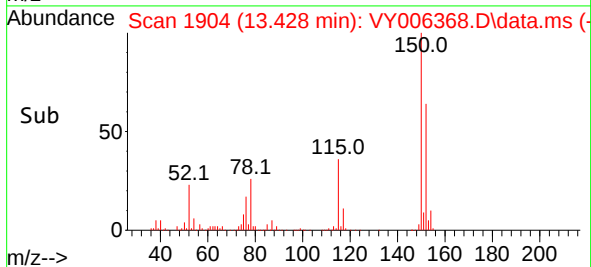
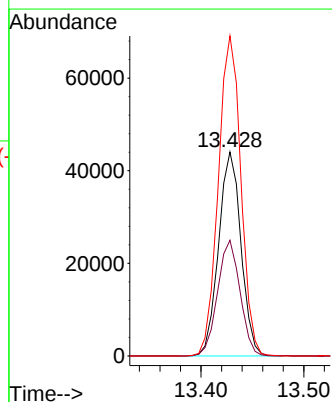
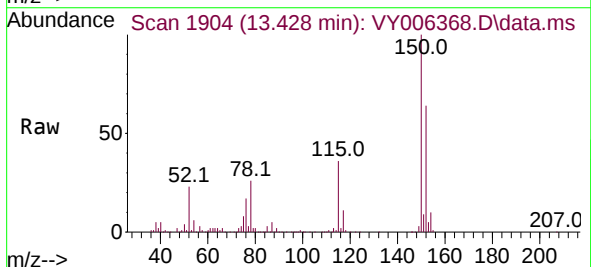
Instrument :
MSVOA_Y
ClientSampled :

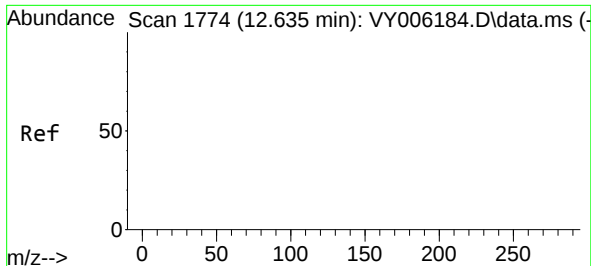
Tgt Ion:117 Resp: 192008
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Tgt Ion:152 Resp: 66444
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 158.2 0.0 347.6

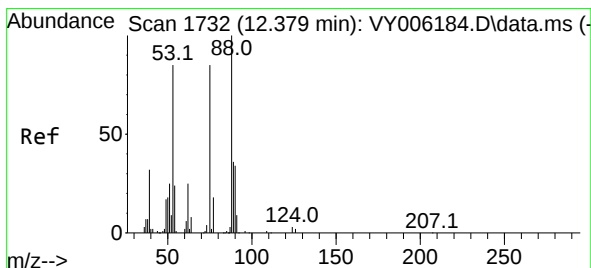
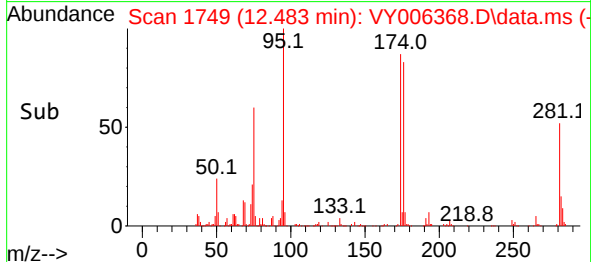
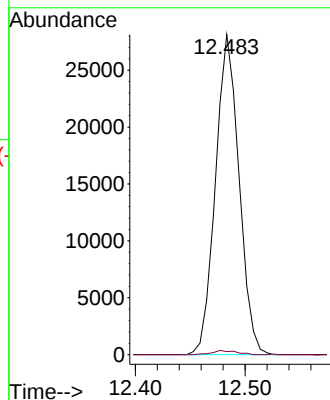
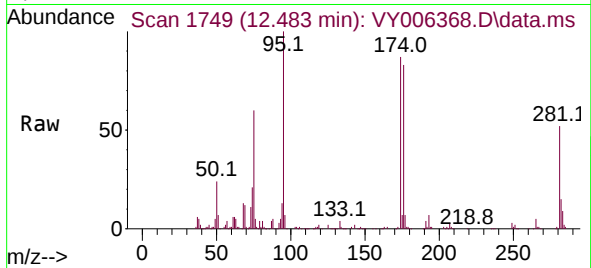




#76
1,2,3-Trichloropropane
Concen: 65.042 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 42004
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.816 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006368.D
Acq: 09 Oct 2021 16:22

Tgt Ion: 75 Resp: 42004
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.9 37.0 55.4#

