

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101521\
 Data File : VY006403.D
 Acq On : 15 Oct 2021 13:56
 Operator : SY/MD
 Sample : M4242-20
 Misc : 6.85G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 04:45:01 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)

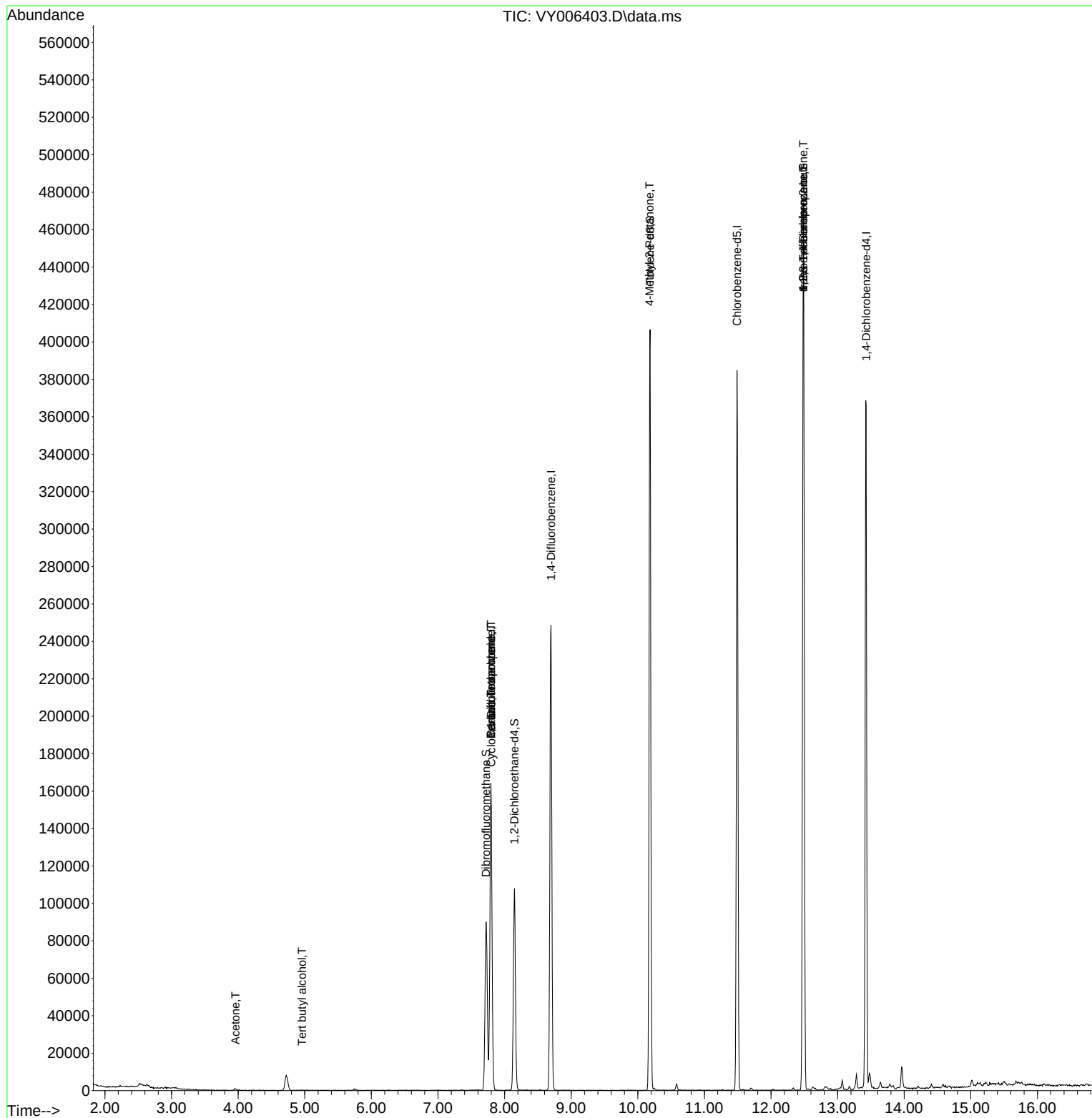
Internal Standards						
1) Pentafluorobenzene	7.795	168	125103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	205198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	199154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	86145	64.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.680%	
35) Dibromofluoromethane	7.722	113	61122	55.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.500%	
50) Toluene-d8	10.185	98	264059	57.552	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.100%	
62) 4-Bromofluorobenzene	12.483	95	85253	54.696	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.400%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.960	59	361	3.082	ug/l #	77
16) Acetone	3.960	43	1540	4.118	ug/l #	86
31) Cyclohexane	7.801	56	2817	1.110	ug/l #	20
36) 1,1-Dichloropropene	7.795	75	9483	4.645	ug/l #	50
38) Carbon Tetrachloride	7.795	117	11984	5.559	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	1203	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	49761	55.507	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49761	109.079	ug/l #	8

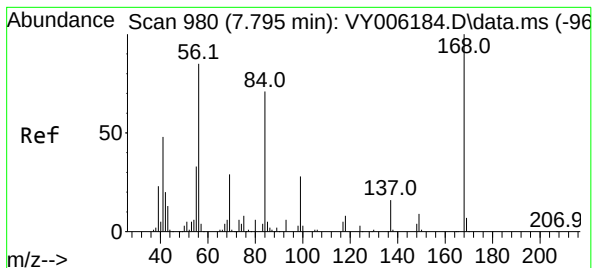
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 28 17:44:36 2021
Response via : Initial Calibration

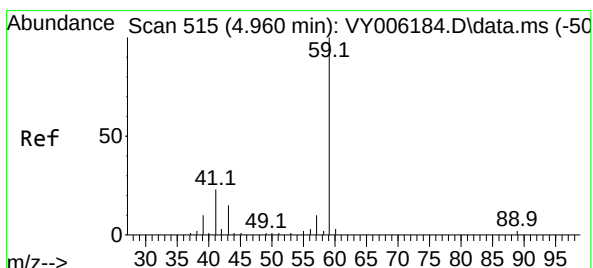
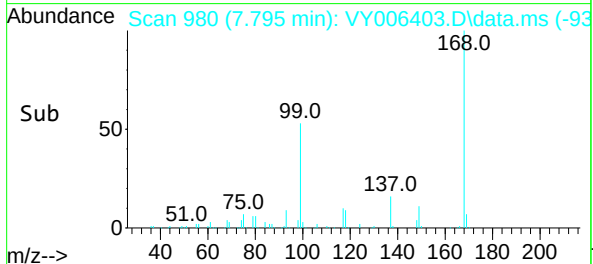
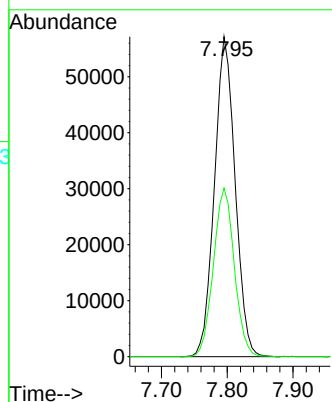
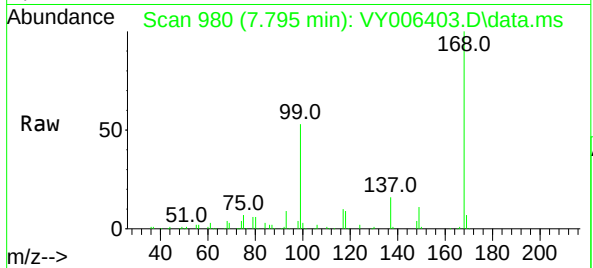




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

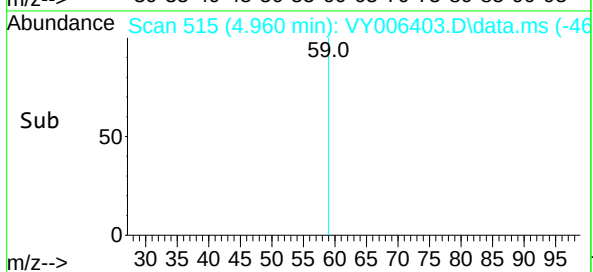
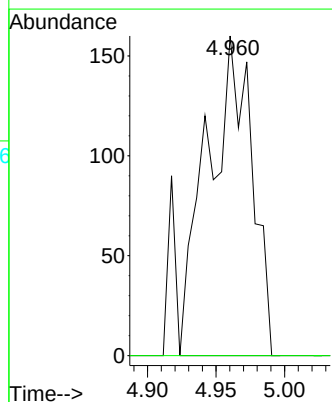
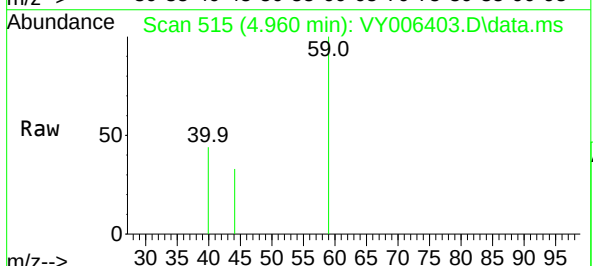
Instrument :
MSVOA_Y
ClientSampled :

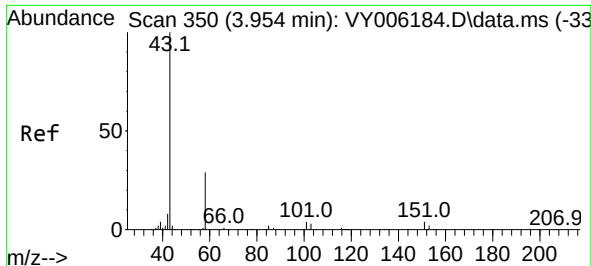
Tgt Ion:168 Resp: 125103
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.082 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

Tgt Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

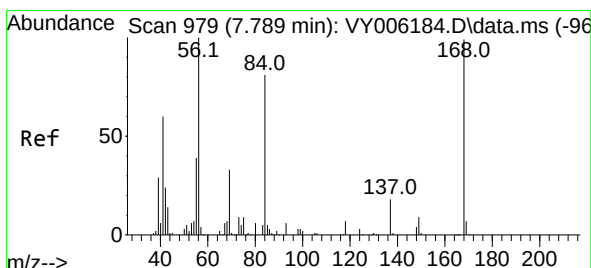
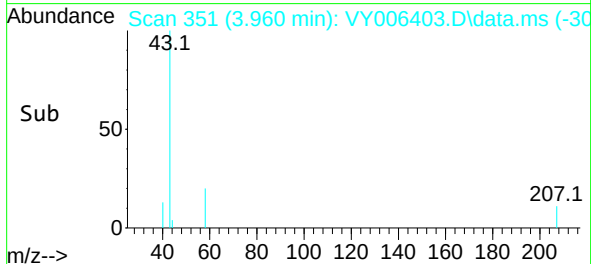
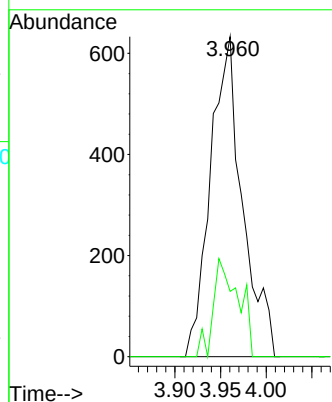
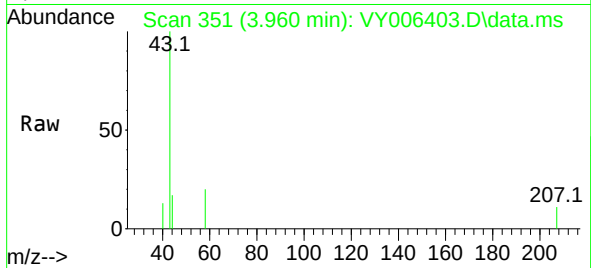




#16
Acetone
Concen: 4.118 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

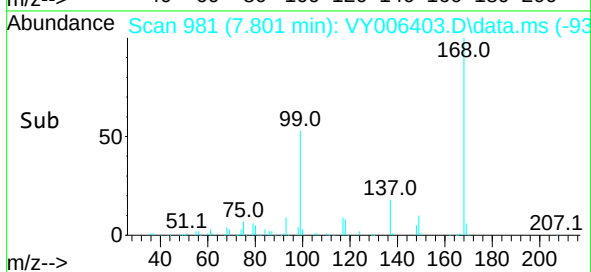
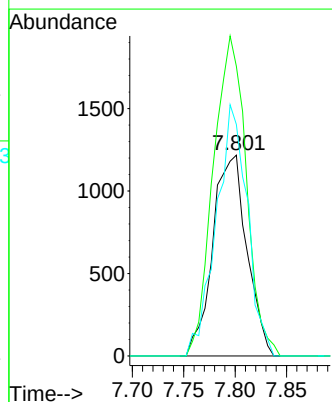
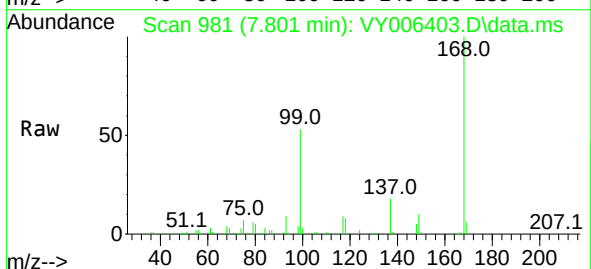
Instrument :
MSVOA_Y
ClientSampled :

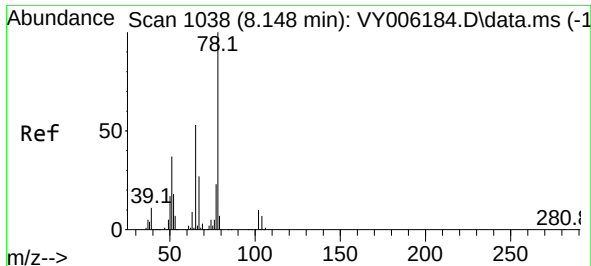
Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
58 20.4 22.0 33.0#



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

Tgt Ion: 56 Resp: 2817
Ion Ratio Lower Upper
56 100
69 144.4 26.7 40.1#
84 115.4 67.2 100.8#

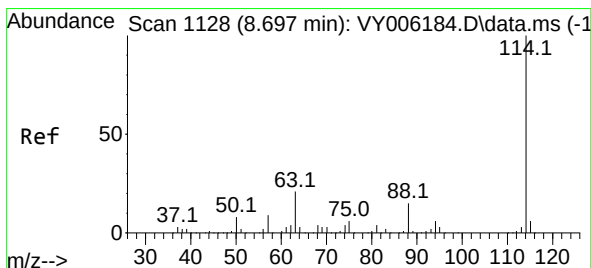
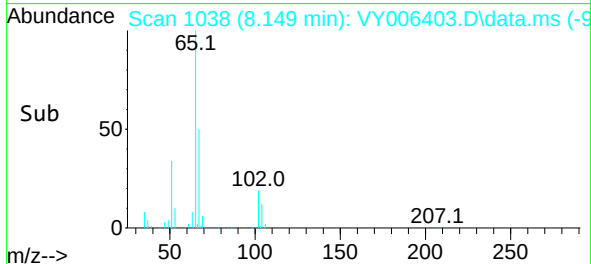
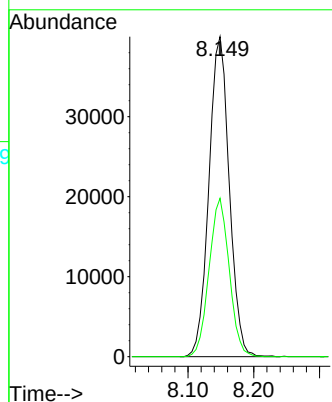
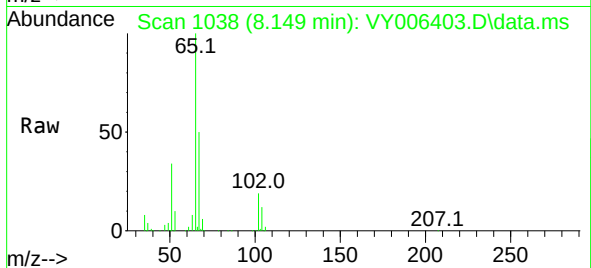




#33
 1,2-Dichloroethane-d4
 Concen: 64.337 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY006403.D
 Acq: 15 Oct 2021 13:56

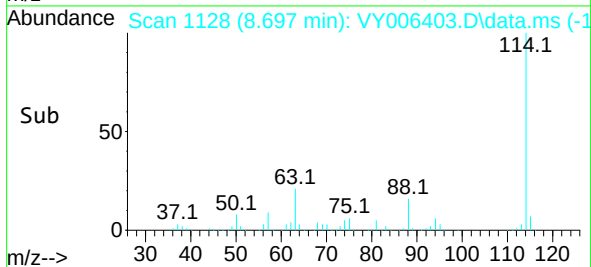
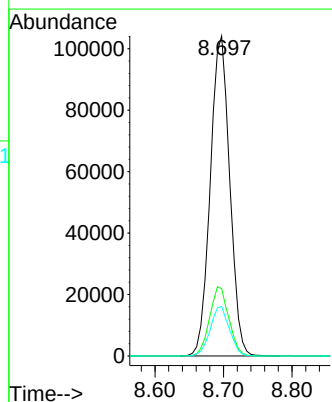
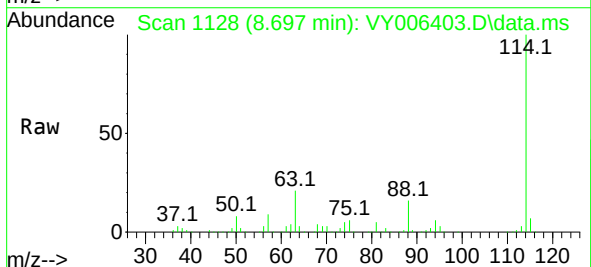
Instrument :
 MSVOA_Y
 ClientSampled :

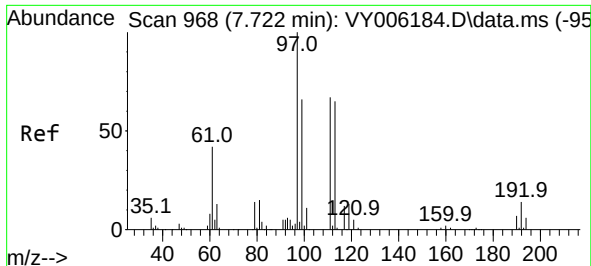
Tgt Ion: 65 Resp: 86145
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY006403.D
 Acq: 15 Oct 2021 13:56

Tgt Ion: 114 Resp: 205198
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 15.5 0.0 31.8

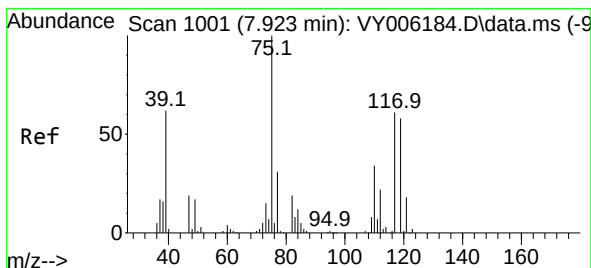
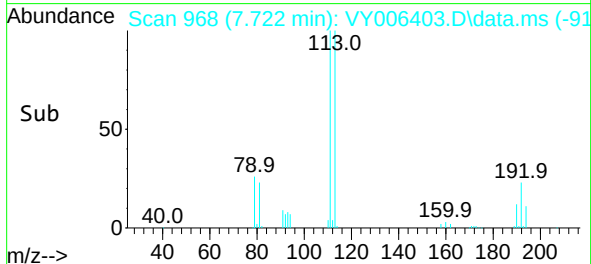
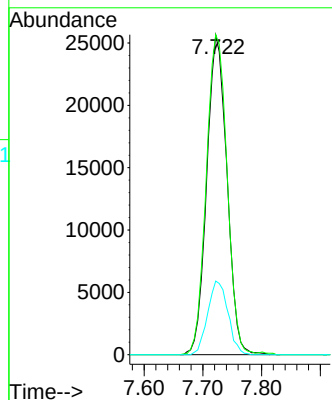
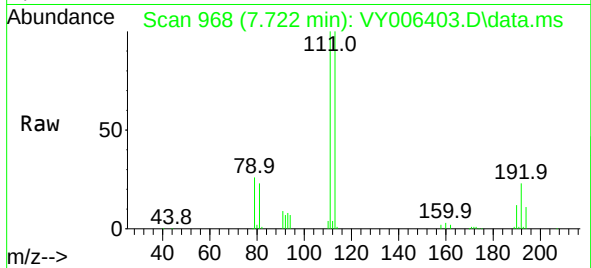




#35
Dibromofluoromethane
Concen: 55.753 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

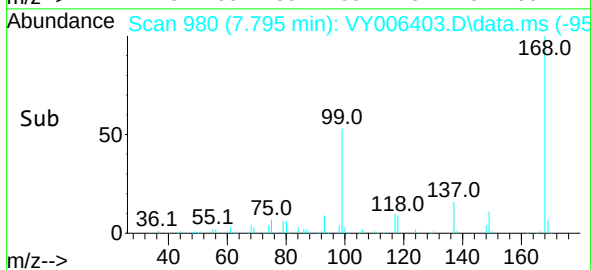
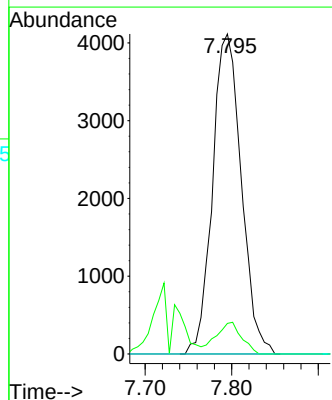
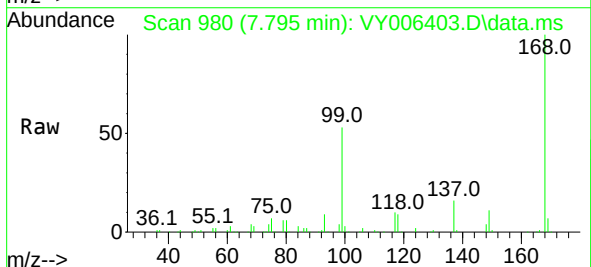
Instrument :
MSVOA_Y
ClientSampled :

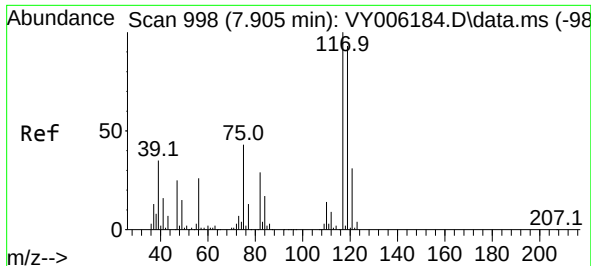
Tgt Ion:113 Resp: 61122
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 23.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

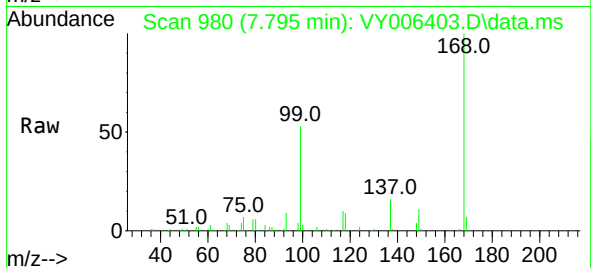
Tgt Ion: 75 Resp: 9483
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



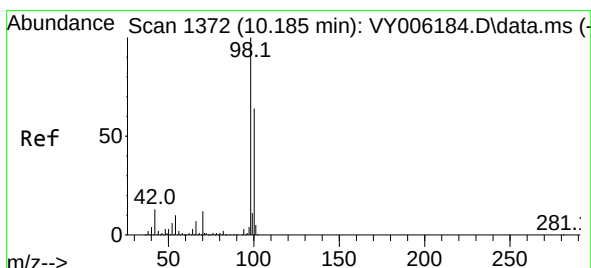
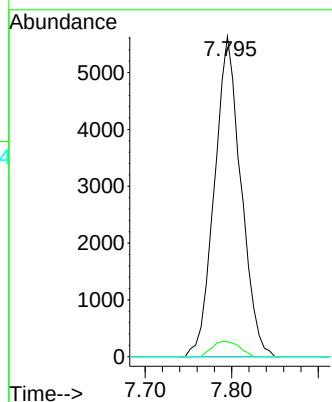
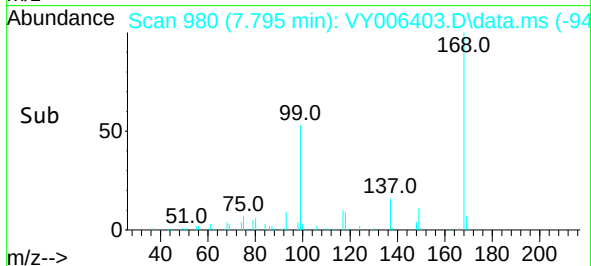


#38
Carbon Tetrachloride
Concen: 5.559 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

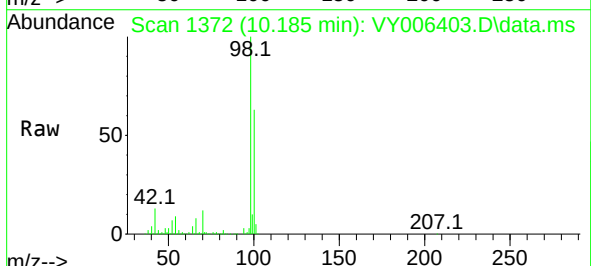
Instrument :
MSVOA_Y
ClientSampleId :



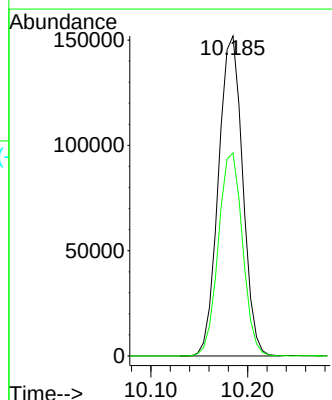
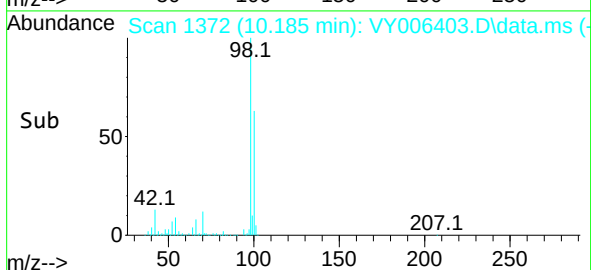
Tgt Ion:117 Resp: 11984
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

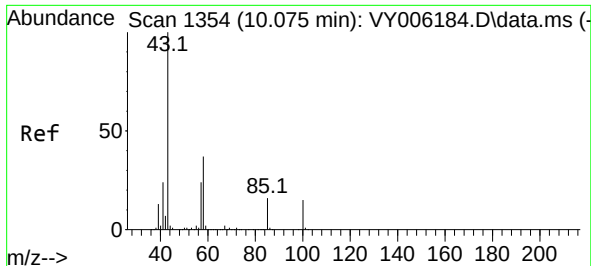


#50
Toluene-d8
Concen: 57.552 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56



Tgt Ion: 98 Resp: 264059
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2

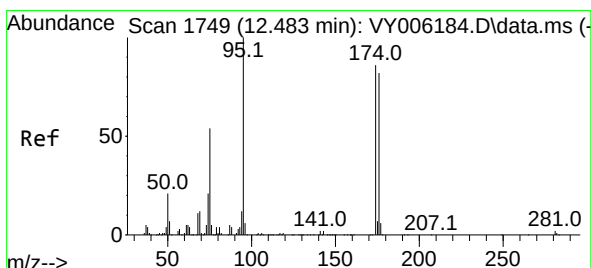
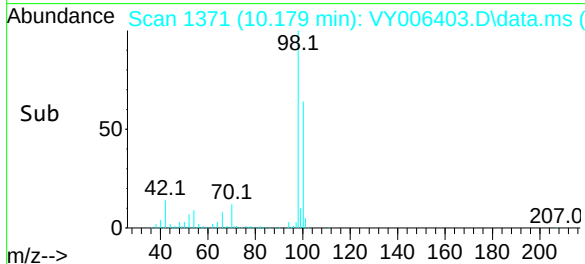
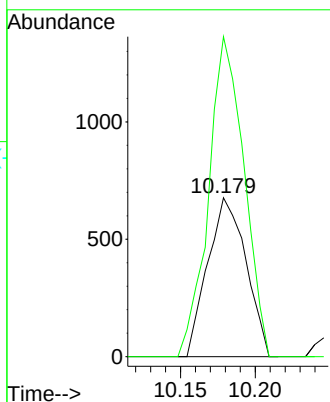
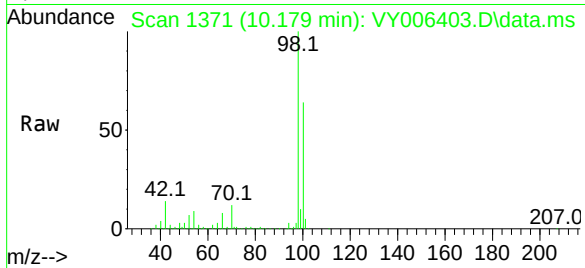




#51
4-Methyl-2-Pentanone
Concen: 1.016 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

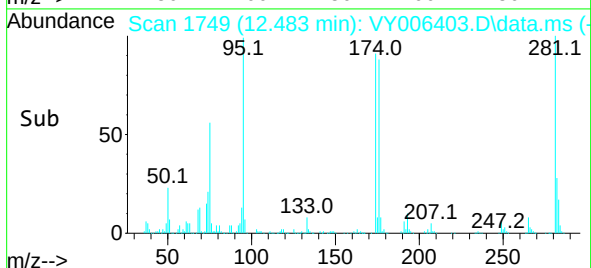
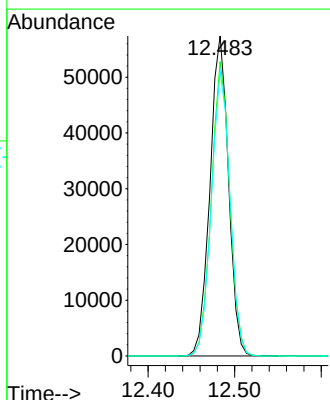
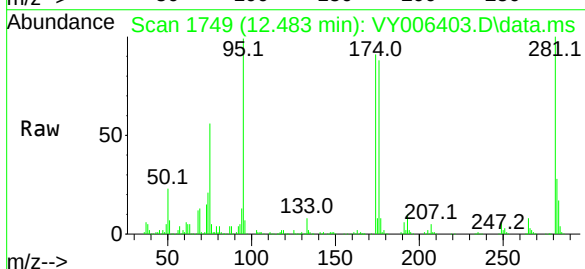
Instrument :
MSVOA_Y
ClientSampled :

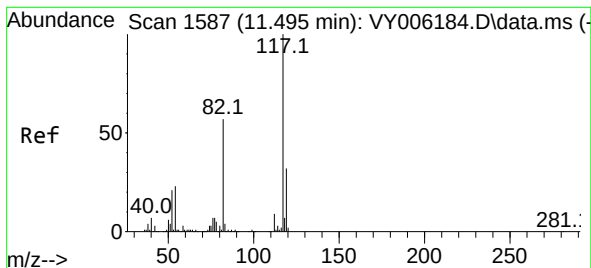
Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
58 186.8 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 54.696 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

Tgt Ion: 95 Resp: 85253
Ion Ratio Lower Upper
95 100
174 91.2 0.0 177.0
176 89.4 0.0 175.8

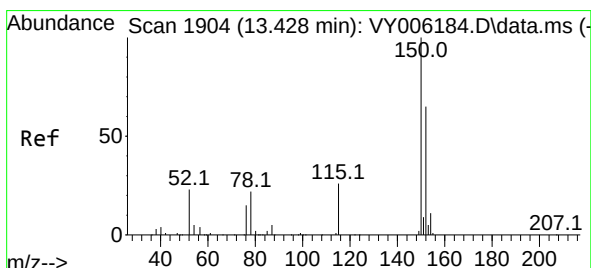
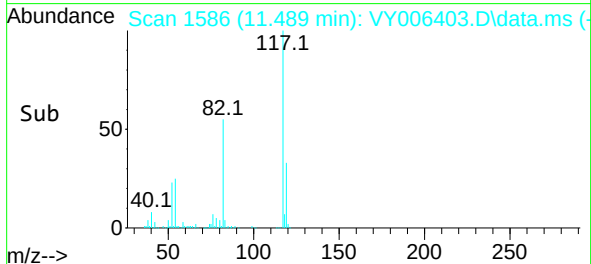
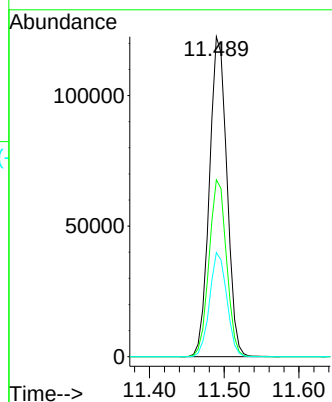
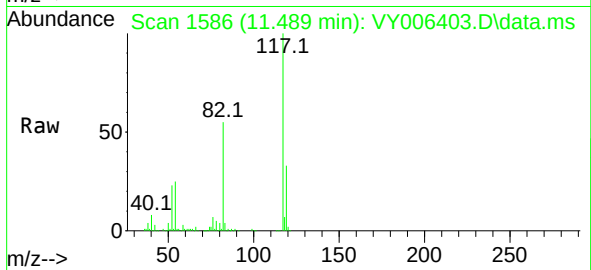




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

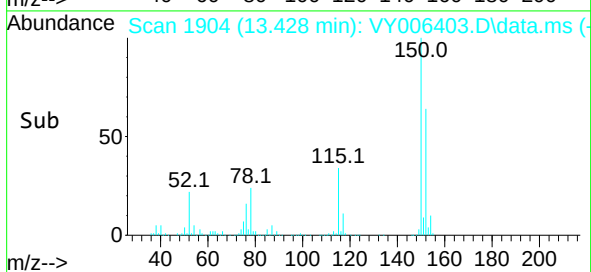
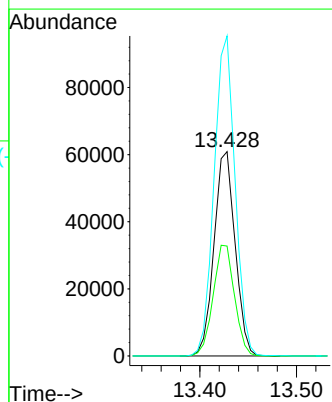
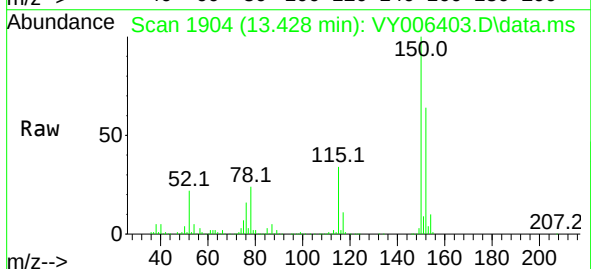
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 199154
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 32.6 25.4 38.0

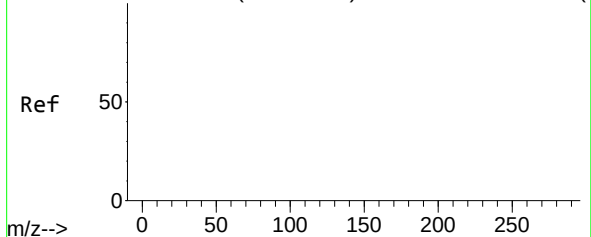


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

Tgt Ion:152 Resp: 92236
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.7
150 155.5 0.0 347.6



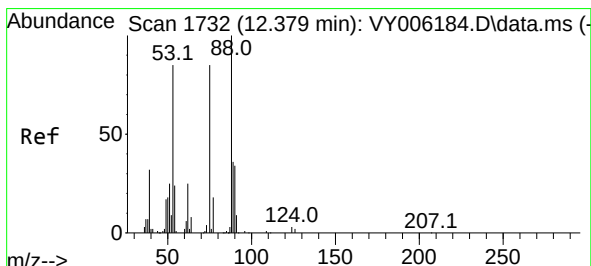
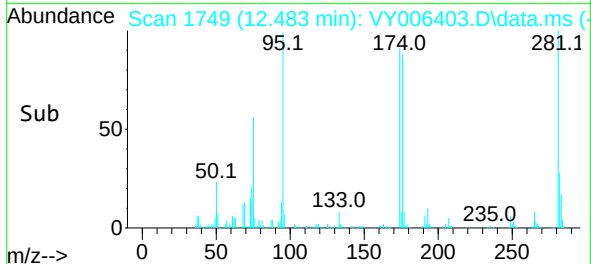
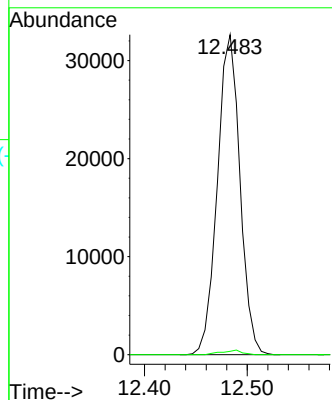
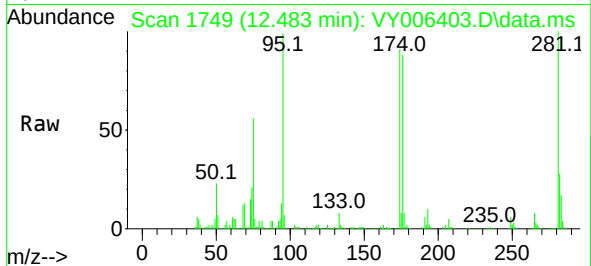
Abundance Scan 1774 (12.635 min): VY006184.D\data.ms (-



#76
1,2,3-Trichloropropane
Concen: 55.507 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

Tgt Ion: 75 Resp: 49761
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

Instrument :
MSVOA_Y
ClientSampled :



#81
trans-1,4-Dichloro-2-butene
Concen: 109.079 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006403.D
Acq: 15 Oct 2021 13:56

Tgt Ion: 75 Resp: 49761
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.9 37.0 55.4#

