

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020321\
 Data File : VY003969.D
 Acq On : 03 Feb 2021 19:02
 Operator : SY/MD
 Sample : M1291-05
 Misc : 8.67g/5mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 01:22:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

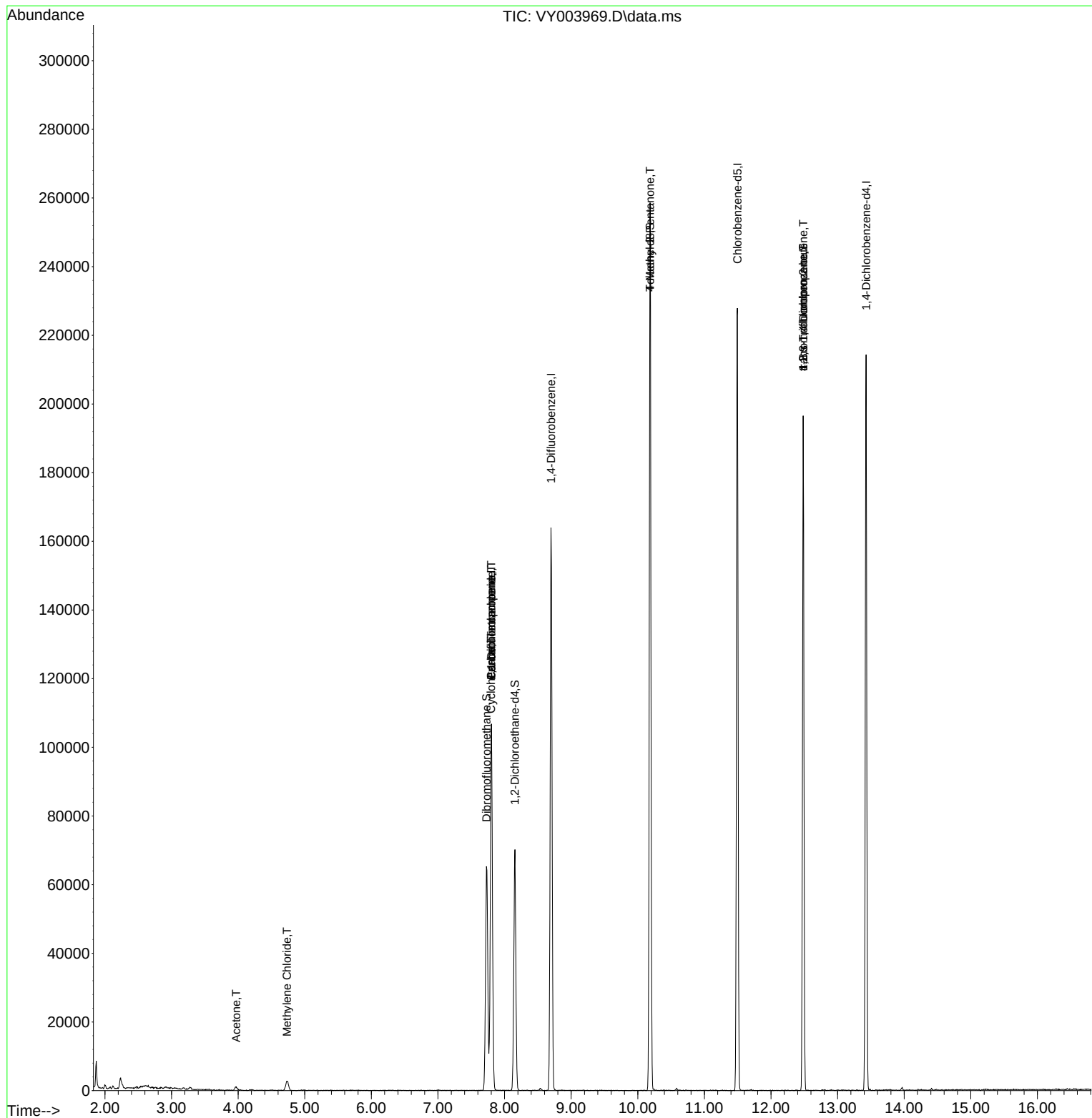
Internal Standards						
1) Pentafluorobenzene	7.801	168	81913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	132712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	124347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54766	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	55862	62.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.04%			
35) Dibromofluoromethane	7.728	113	44045	56.76	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.52%			
50) Toluene-d8	10.185	98	162378	53.32	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.64%			
62) 4-Bromofluorobenzene	12.483	95	56016	50.46	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.92%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.985	59	56	Below Cal	#	77
16) Acetone	3.973	43	2067	9.35	ug/l	91
20) Methylene Chloride	4.735	84	2067	2.20	ug/l #	86
31) Cyclohexane	7.795	56	1603	1.06	ug/l #	4
36) 1,1-Dichloropropene	7.801	75	6043	4.50	ug/l #	49
38) Carbon Tetrachloride	7.801	117	7887	5.44	ug/l #	15
51) 4-Methyl-2-Pentanone	10.185	43	789	1.05	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	30679	55.60	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	30679	106.28	ug/l #	11

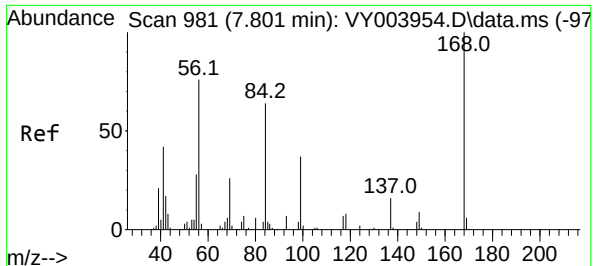
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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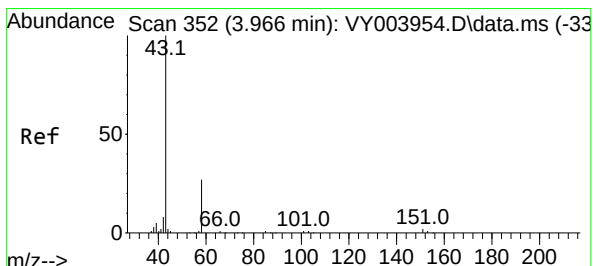
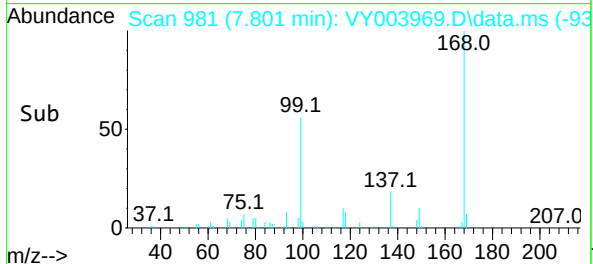
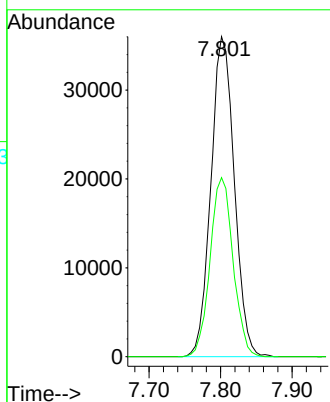
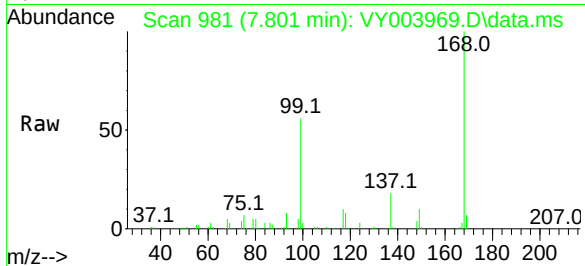




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

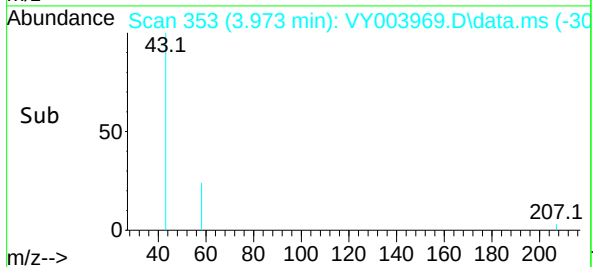
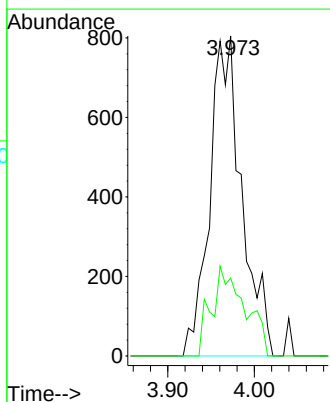
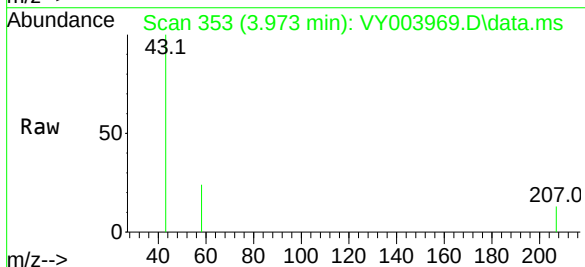
Instrument :
MSVOA_Y
ClientSampleId :

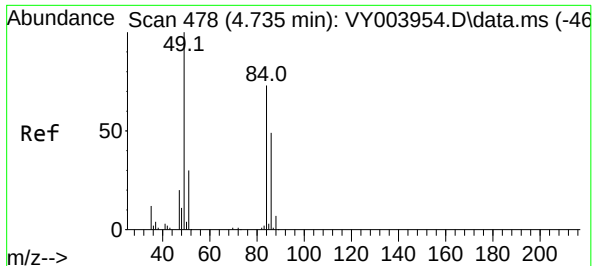
Tgt Ion:168 Resp: 81913
Ion Ratio Lower Upper
168 100
99 56.0 46.1 69.1



#16
Acetone
Concen: 9.35 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

Tgt Ion: 43 Resp: 2067
Ion Ratio Lower Upper
43 100
58 24.3 23.4 35.0





#20

Methylene Chloride

Concen: 2.20 ug/l

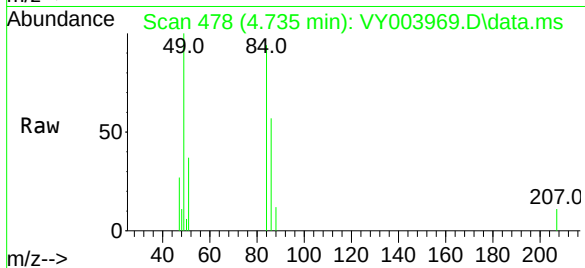
RT: 4.735 min Scan# 478

Delta R.T. 0.000 min

Lab File: VY003969.D

Acq: 03 Feb 2021 19:02

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 2067

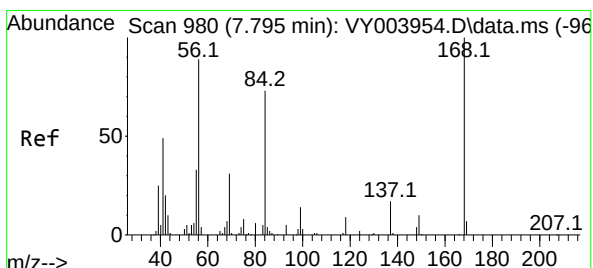
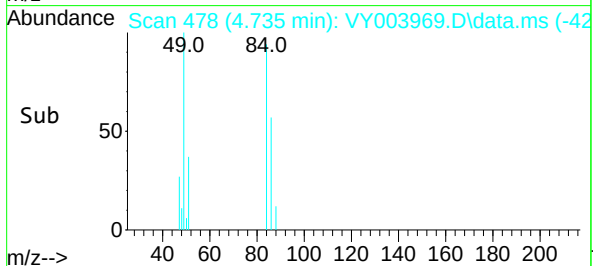
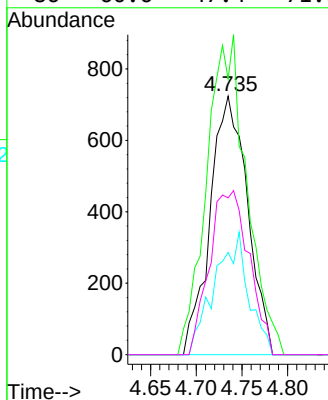
Ion Ratio Lower Upper

84 100

49 106.6 107.0 160.4#

51 39.5 31.9 47.9

86 60.6 47.4 71.0



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY003969.D

Acq: 03 Feb 2021 19:02

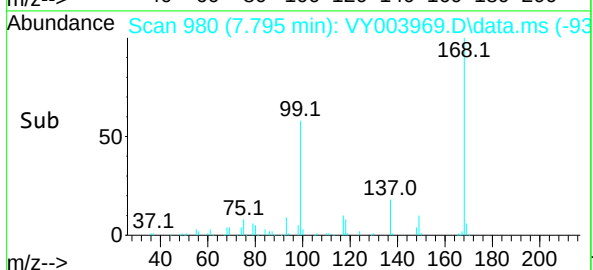
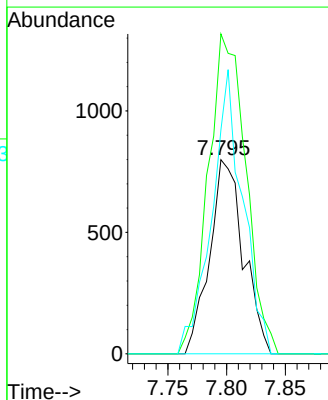
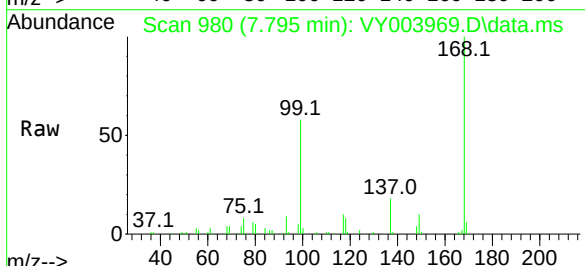
Tgt Ion: 56 Resp: 1603

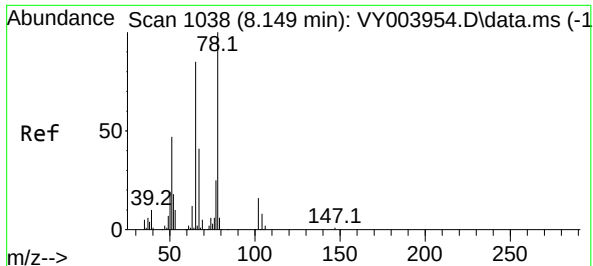
Ion Ratio Lower Upper

56 100

69 164.8 25.0 37.4#

84 115.4 64.5 96.7#

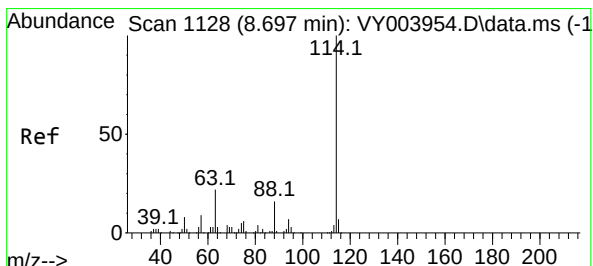
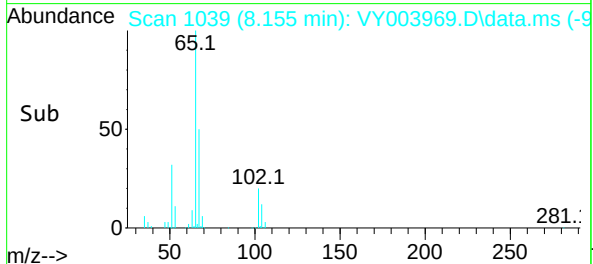
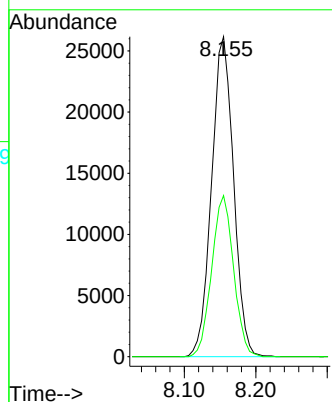
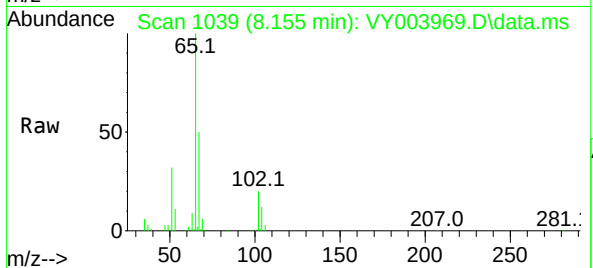




#33
1,2-Dichloroethane-d4
Concen: 62.02 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

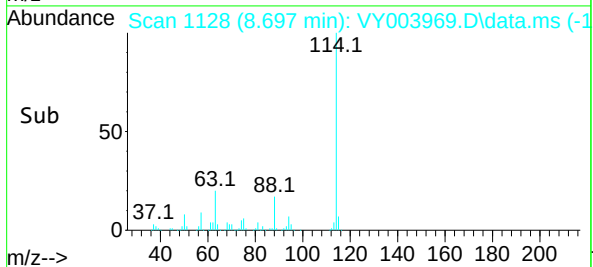
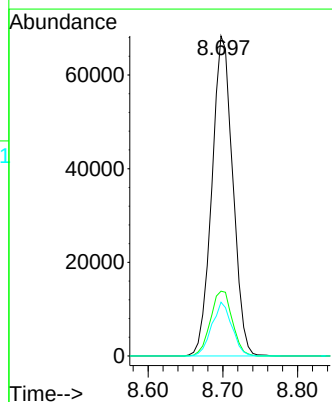
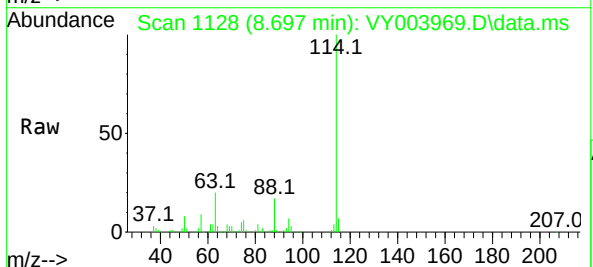
Instrument :
MSVOA_Y
ClientSampled :

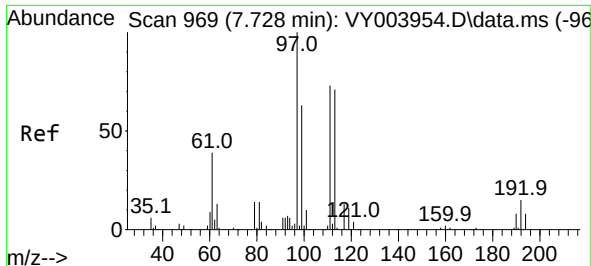
Tgt Ion: 65 Resp: 55862
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

Tgt Ion: 114 Resp: 132712
Ion Ratio Lower Upper
114 100
63 20.3 0.0 47.2
88 16.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 56.76 ug/l

RT: 7.728 min Scan# 969

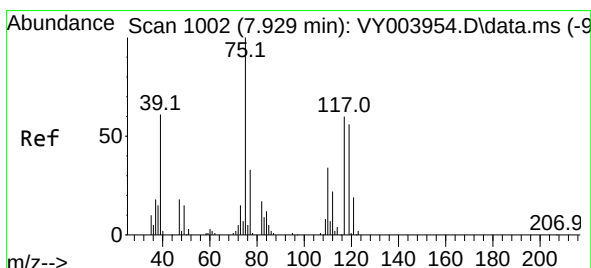
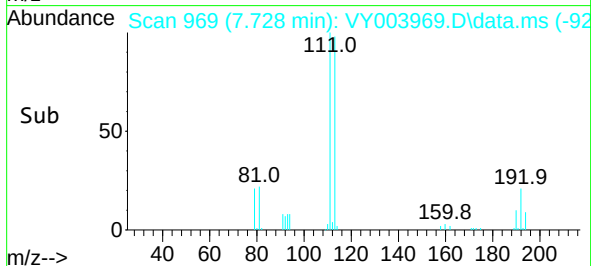
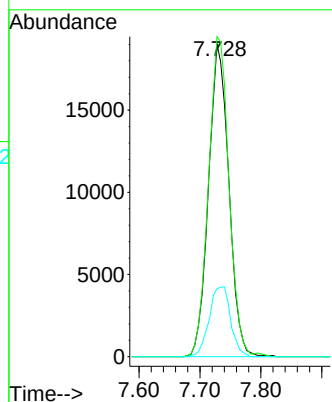
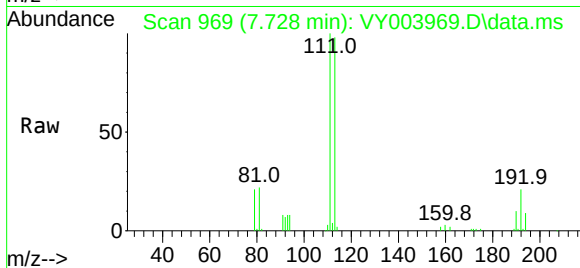
Delta R.T. 0.000 min

Lab File: VY003969.D

Acq: 03 Feb 2021 19:02

Tgt Ion:	113	Resp:	44045
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	23.6	18.3	27.5

Instrument :
MSVOA_Y
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.50 ug/l

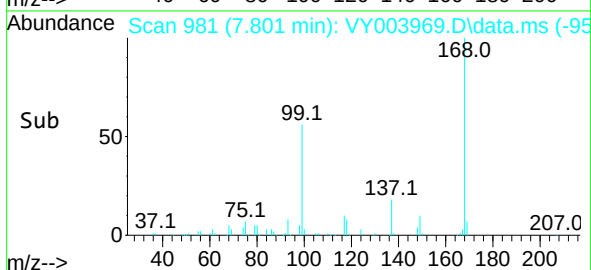
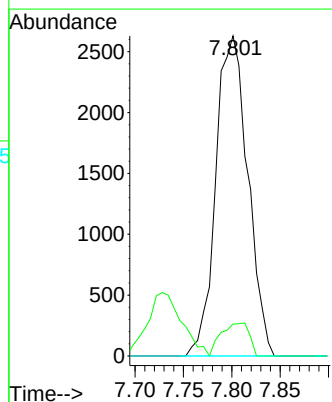
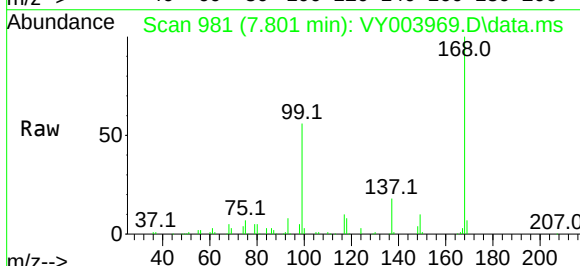
RT: 7.801 min Scan# 981

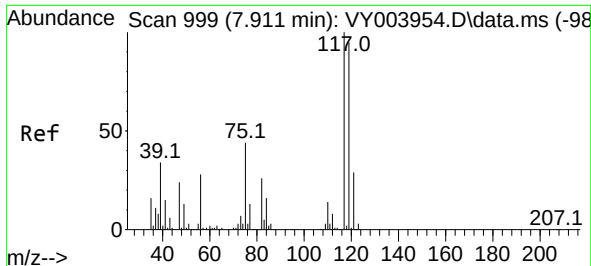
Delta R.T. -0.128 min

Lab File: VY003969.D

Acq: 03 Feb 2021 19:02

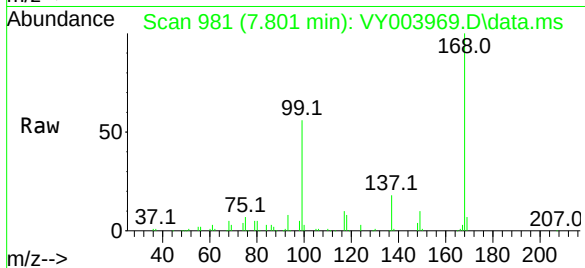
Tgt Ion:	75	Resp:	6043
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.9	53.8#
77	0.0	24.8	37.2#



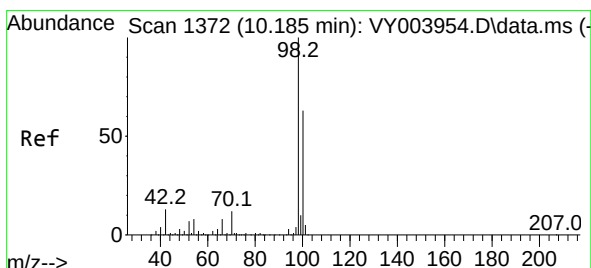
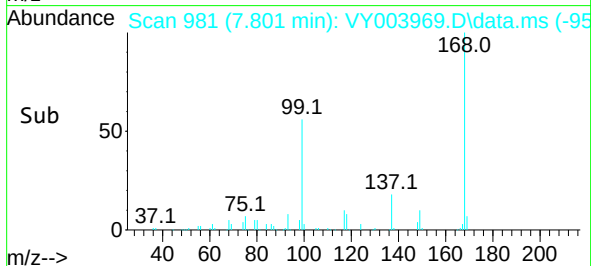
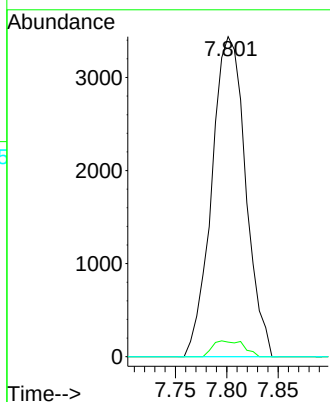


#38
Carbon Tetrachloride
Concen: 5.44 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

Instrument :
MSVOA_Y
ClientSampleId :

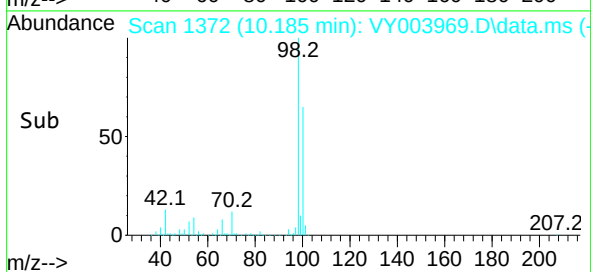
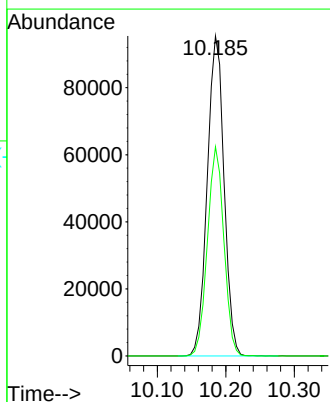
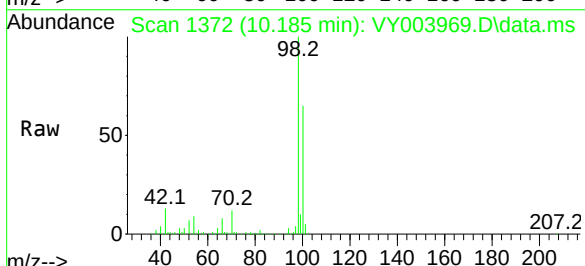


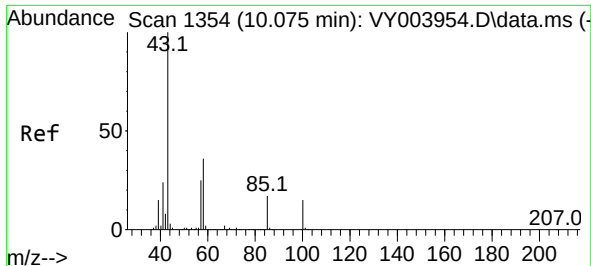
Tgt Ion:117 Resp: 7887
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 53.32 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

Tgt Ion: 98 Resp: 162378
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7

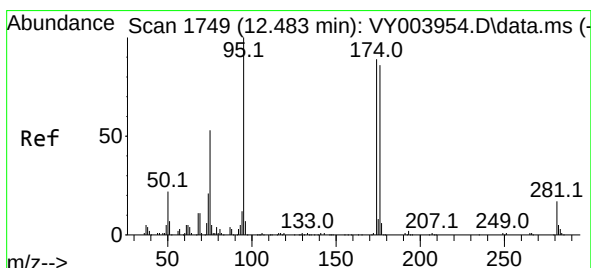
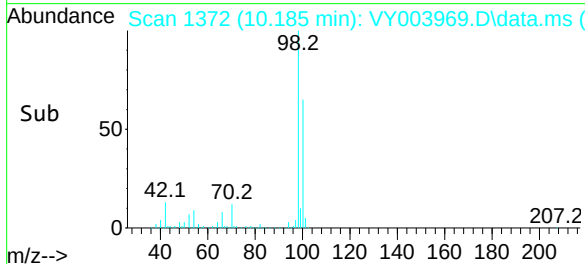
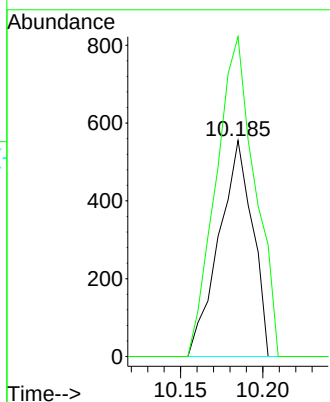
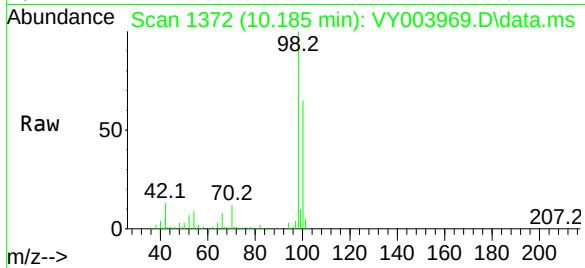




#51
4-Methyl-2-Pentanone
Concen: 1.05 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

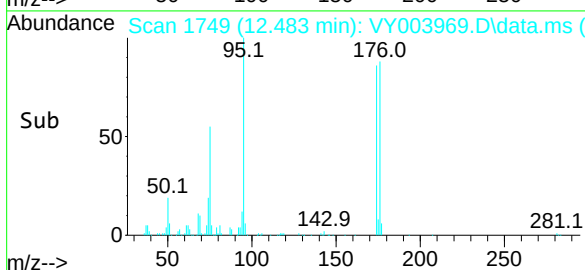
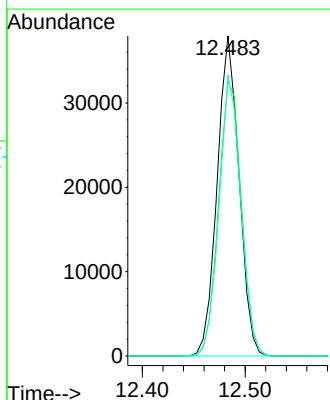
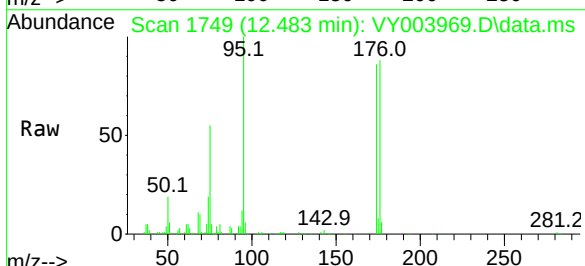
Instrument :
MSVOA_Y
ClientSampled :

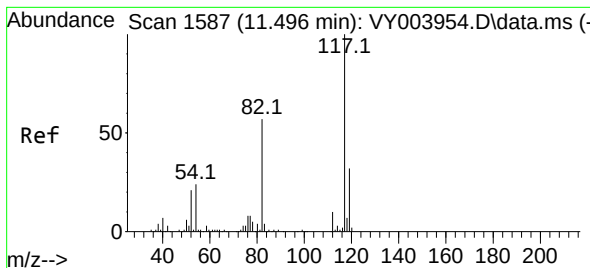
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 171.2 28.6 42.8#



#62
4-Bromofluorobenzene
Concen: 50.46 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

Tgt Ion: 95 Resp: 56016
Ion Ratio Lower Upper
95 100
174 89.8 0.0 184.4
176 87.1 0.0 177.2

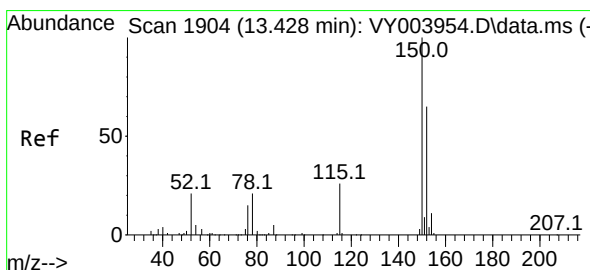
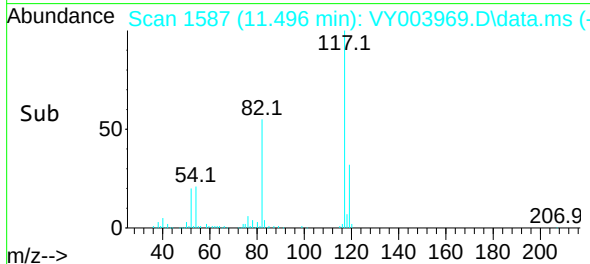
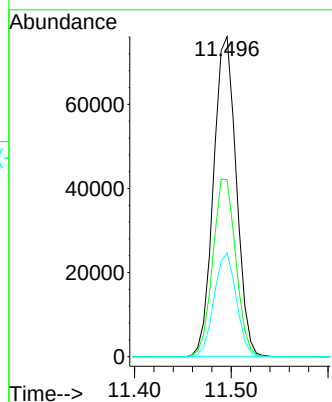
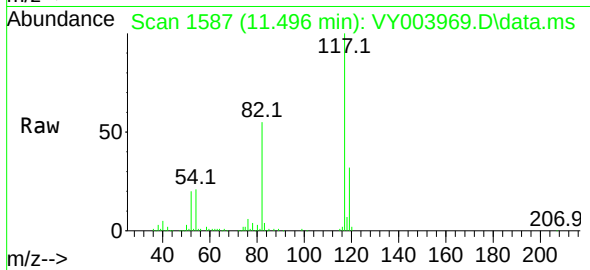




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

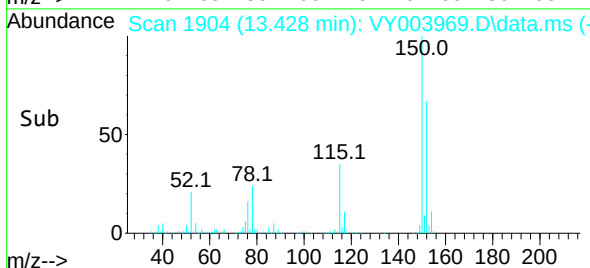
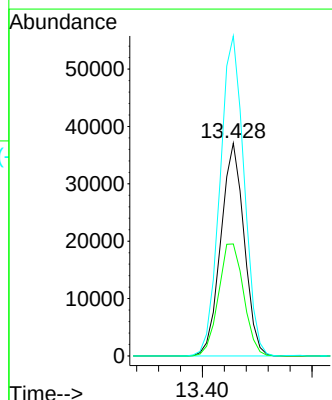
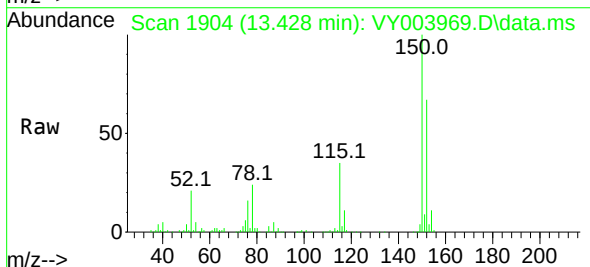
Instrument :
MSVOA_Y
ClientSampleId :

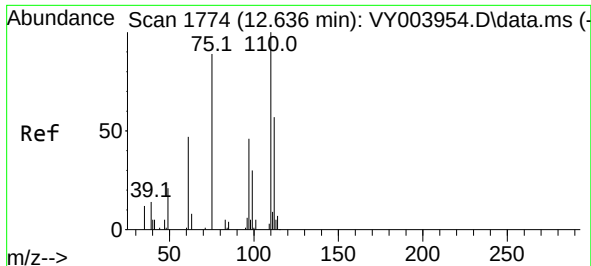
Tgt Ion:117 Resp: 124347
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 32.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

Tgt Ion:152 Resp: 54766
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.6
150 155.5 0.0 356.2

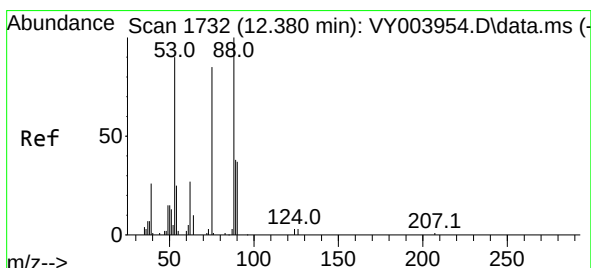
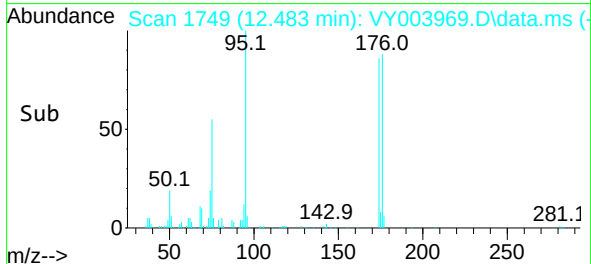
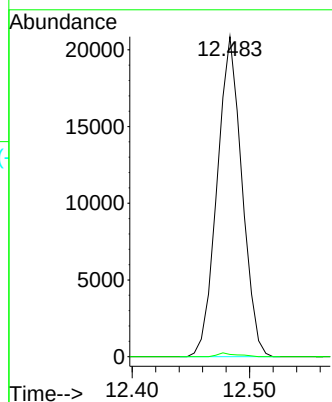
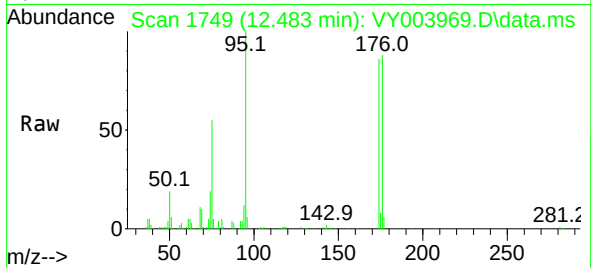




#76
1,2,3-Trichloropropane
Concen: 55.60 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 30679
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.28 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY003969.D
Acq: 03 Feb 2021 19:02

Tgt Ion: 75 Resp: 30679
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.2#
89 0.0 34.8 52.2#

