

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032521\
 Data File : VY004203.D
 Acq On : 25 Mar 2021 15:58
 Operator : SY/MD
 Sample : M1812-01RE
 Misc : 6.82g/5mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

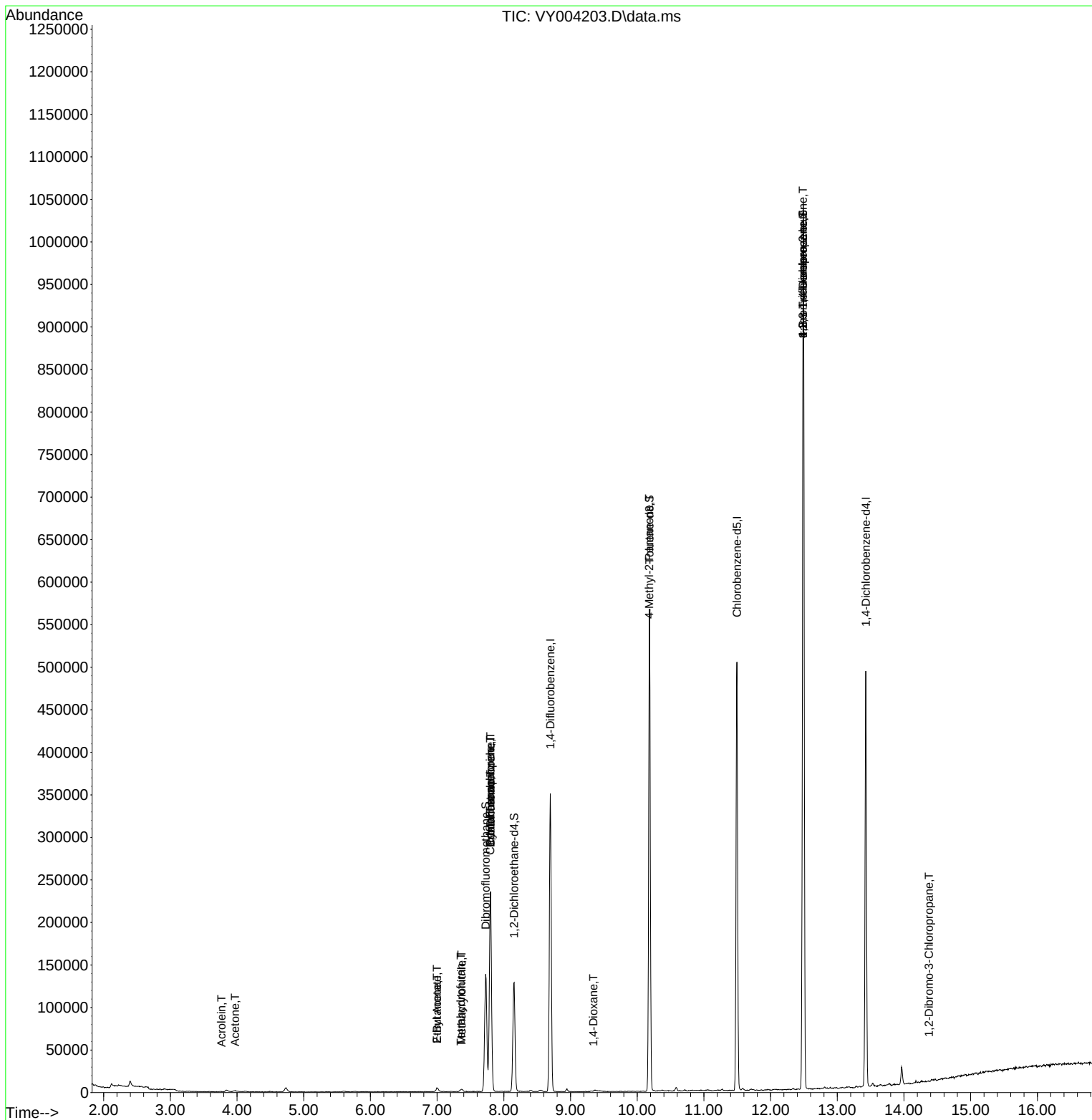
Quant Time: Mar 26 01:14:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

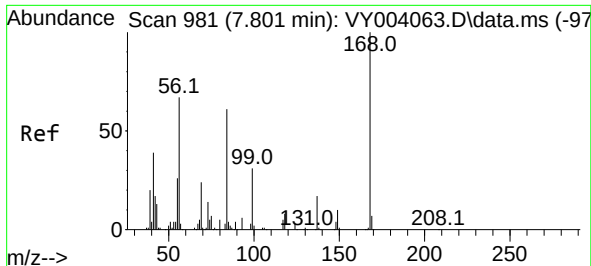
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	184832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	298519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	270612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120484	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	101918	55.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.76%			
35) Dibromofluoromethane	7.728	113	94029	55.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.72%			
50) Toluene-d8	10.185	98	356443	54.01	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.02%			
62) 4-Bromofluorobenzene	12.483	95	122005	50.06	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.12%			
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	2629	Below Cal	#	84
13) Acrolein	3.765	56	442	2.70	ug/l #	50
16) Acetone	3.972	43	3301	7.50	ug/l	91
20) Methylene Chloride	4.735	84	3595	Below Cal	#	92
25) 2-Butanone	6.996	43	4669	7.36	ug/l #	83
29) Tetrahydrofuran	7.356	42	2387	5.79	ug/l #	64
31) Cyclohexane	7.801	56	3726	1.16	ug/l #	18
36) 1,1-Dichloropropene	7.801	75	13401	5.11	ug/l #	51
37) Ethyl Acetate	6.996	43	4669	3.30	ug/l #	76
38) Carbon Tetrachloride	7.795	117	17691	6.36	ug/l #	17
41) Methacrylonitrile	7.368	41	1668	1.91	ug/l #	38
49) 1,4-Dioxane	9.343	88	661	49.24	ug/l #	45
51) 4-Methyl-2-Pentanone	10.179	43	2118	1.48	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	70842	61.32	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	70842	121.02	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.373	75	333	1.21	ug/l #	2

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

Quant Time: Mar 26 01:14:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
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QLast Update : Mon Mar 08 12:28:55 2021
Response via : Initial Calibration

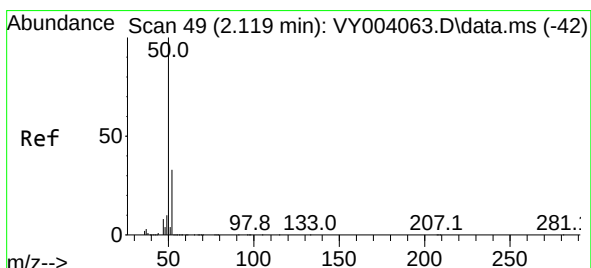
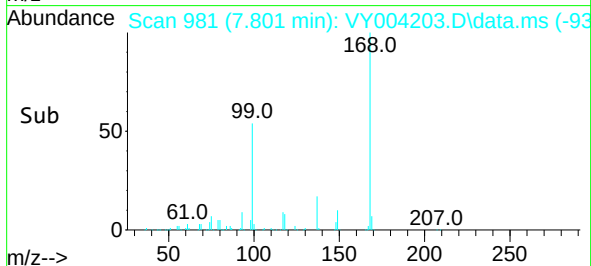
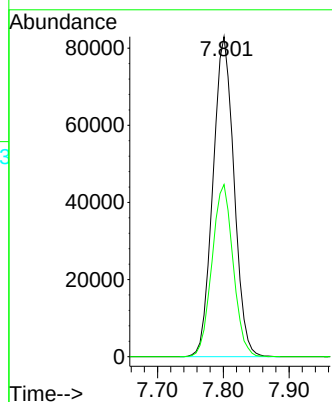
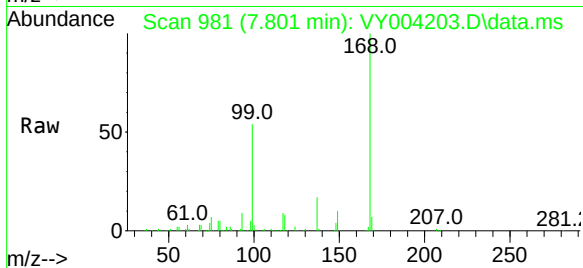




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

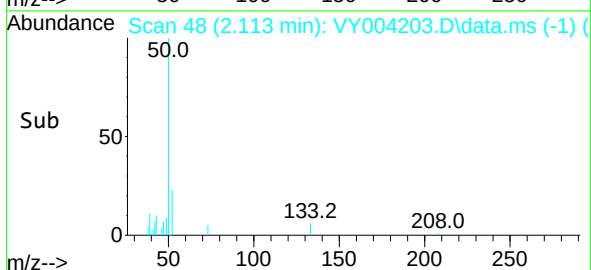
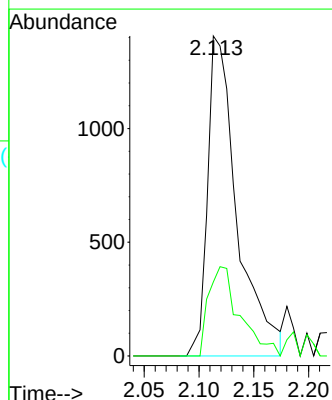
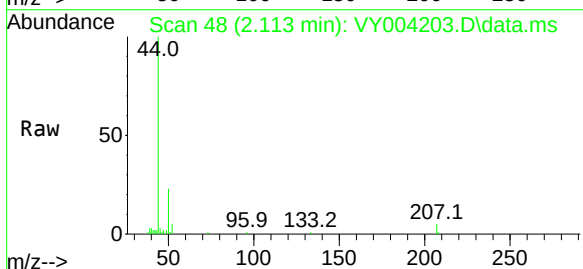
Instrument :
MSVOA_Y
ClientSampled :

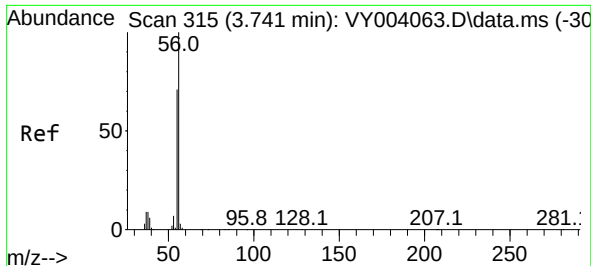
Tgt Ion:168 Resp: 184832
Ion Ratio Lower Upper
168 100
99 53.8 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

Tgt Ion: 50 Resp: 2629
Ion Ratio Lower Upper
50 100
52 23.1 25.4 38.2#

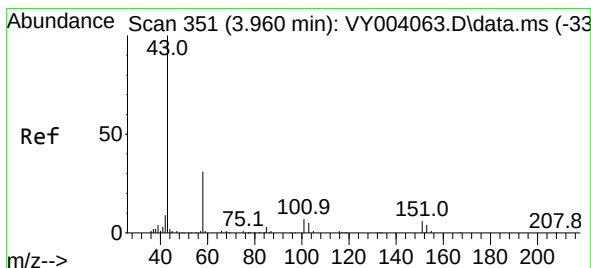
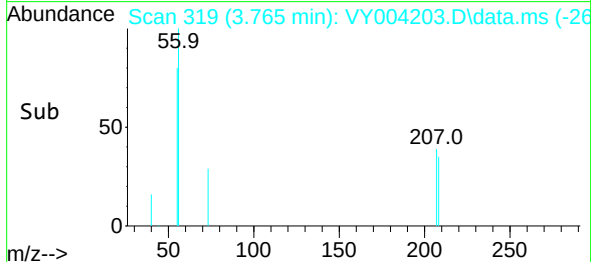
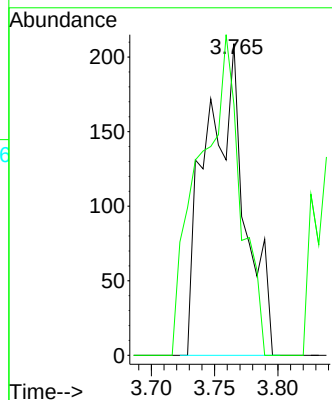
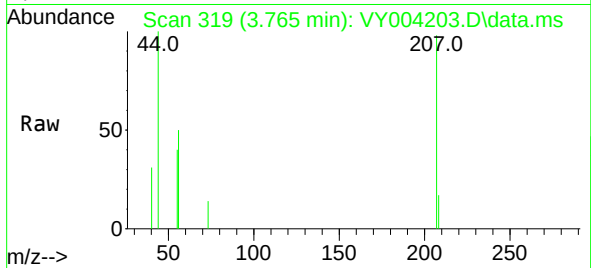




#13
Acrolein
Concen: 2.70 ug/l
RT: 3.765 min Scan# 319
Delta R.T. 0.024 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

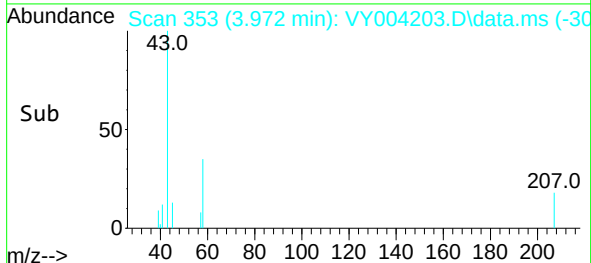
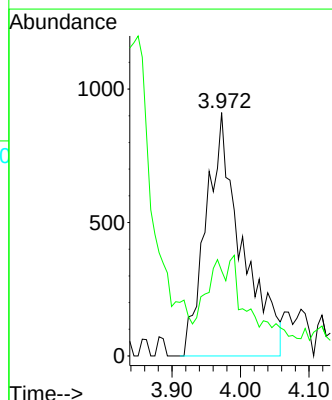
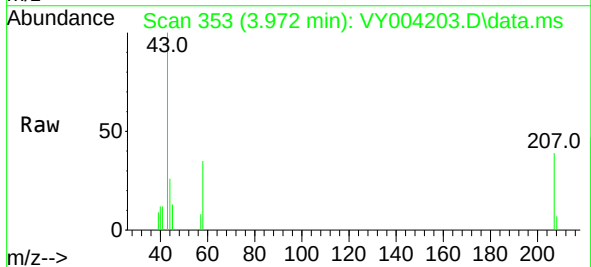
Instrument :
MSVOA_Y
ClientSampled :

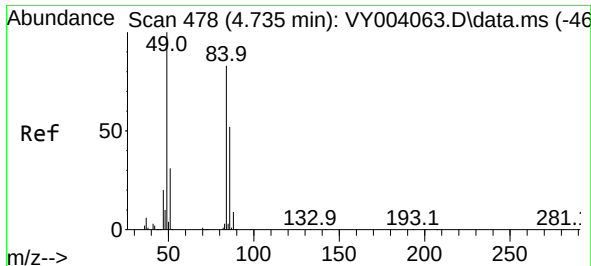
Tgt Ion: 56 Resp: 442
Ion Ratio Lower Upper
56 100
55 109.7 55.4 83.0#



#16
Acetone
Concen: 7.50 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

Tgt Ion: 43 Resp: 3301
Ion Ratio Lower Upper
43 100
58 23.4 22.6 34.0





#20

Methylene Chloride

Concen: Below Cal

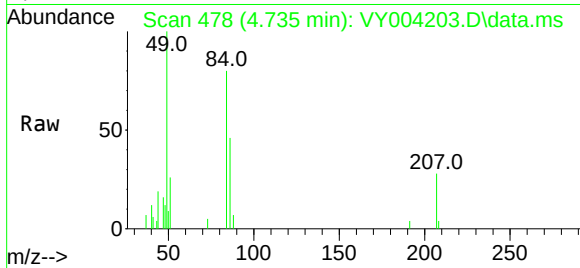
RT: 4.735 min Scan# 478

Delta R.T. -0.000 min

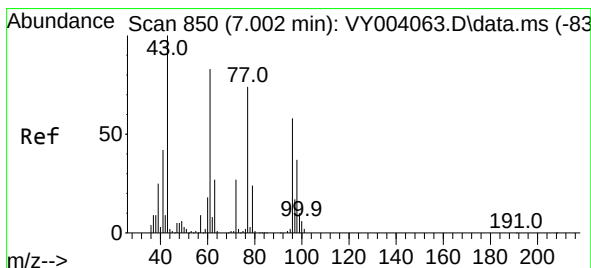
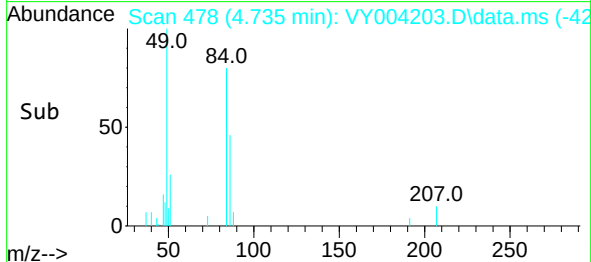
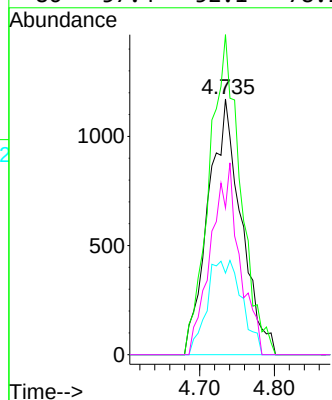
Lab File: VY004203.D

Acq: 25 Mar 2021 15:58

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	84	Resp:	3595
Ion	Ratio	Lower	Upper
84	100		
49	125.2	105.8	158.6
51	31.9	32.6	48.8#
86	57.4	52.1	78.1



#25

2-Butanone

Concen: 7.36 ug/l

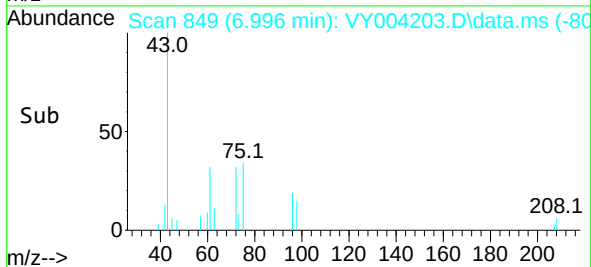
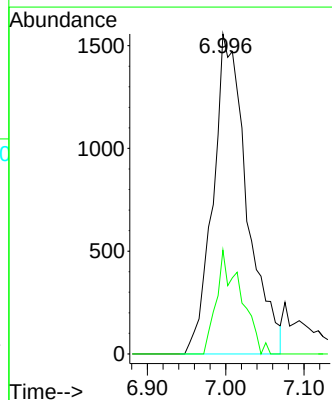
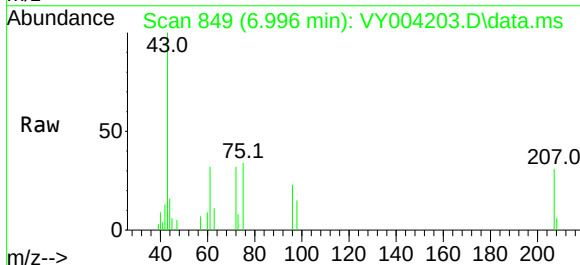
RT: 6.996 min Scan# 849

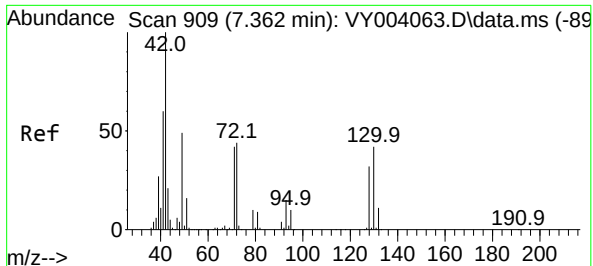
Delta R.T. -0.006 min

Lab File: VY004203.D

Acq: 25 Mar 2021 15:58

Tgt Ion:	43	Resp:	4669
Ion	Ratio	Lower	Upper
43	100		
72	32.4	19.4	29.0#





#29

Tetrahydrofuran

Concen: 5.79 ug/l

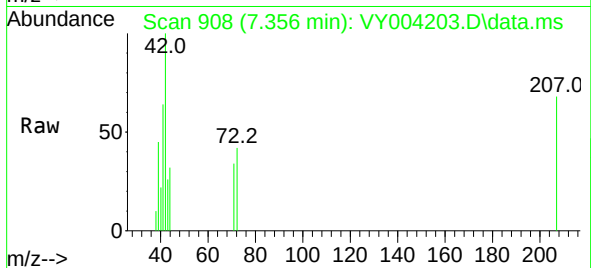
RT: 7.356 min Scan# 908

Delta R.T. -0.006 min

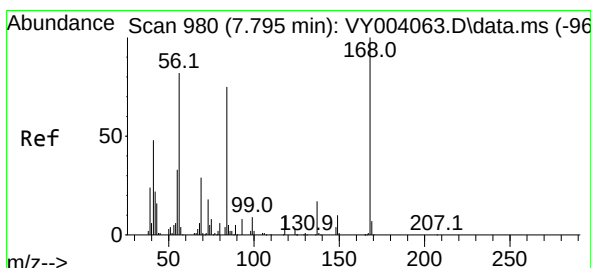
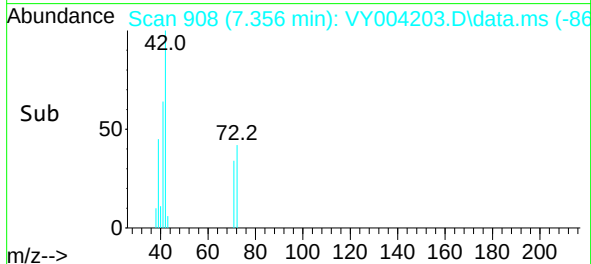
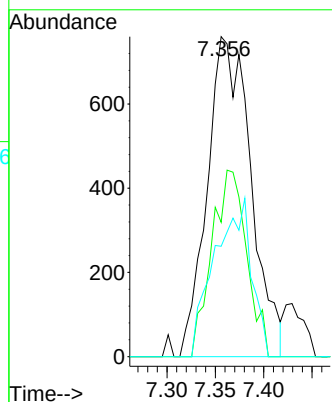
Lab File: VY004203.D

Acq: 25 Mar 2021 15:58

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.4	32.6	48.8
71	0.0	31.0	46.6#



#31

Cyclohexane

Concen: 1.16 ug/l

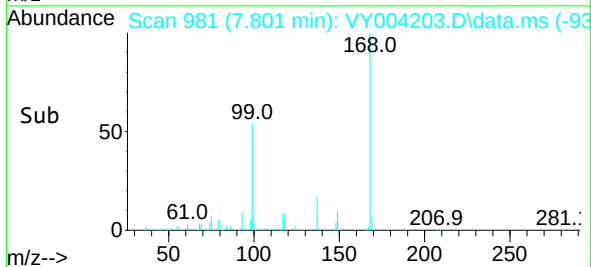
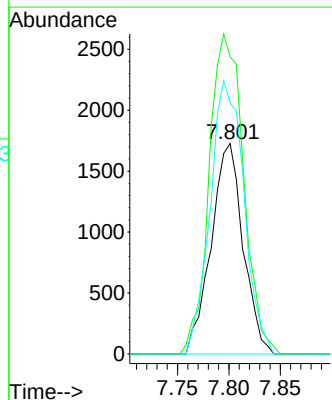
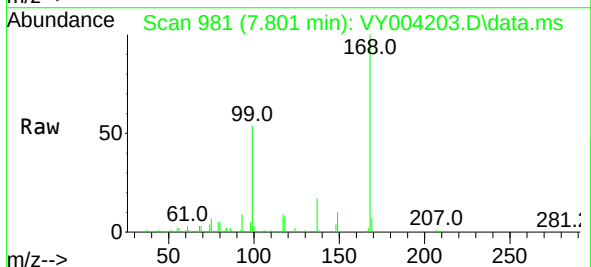
RT: 7.801 min Scan# 981

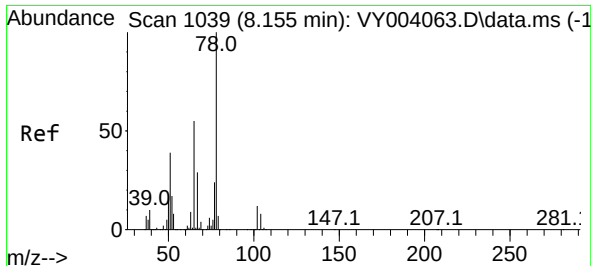
Delta R.T. 0.006 min

Lab File: VY004203.D

Acq: 25 Mar 2021 15:58

Tgt Ion	Ratio	Lower	Upper
56	100		
69	141.3	25.3	37.9#
84	119.4	67.3	100.9#

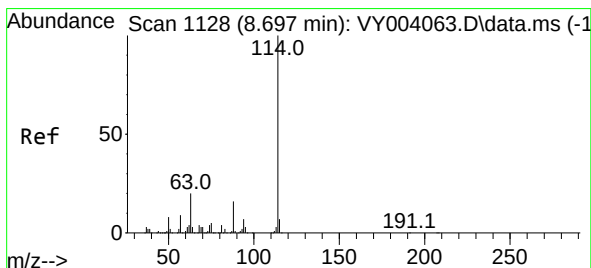
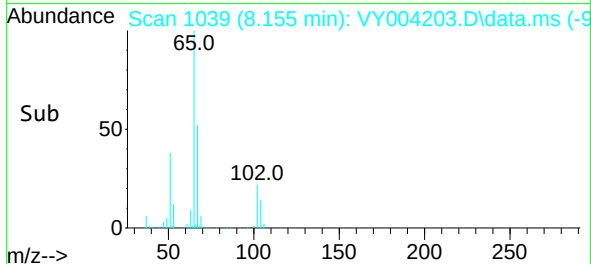
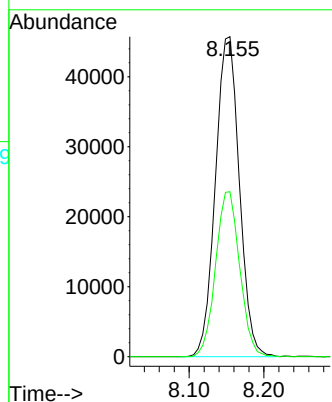
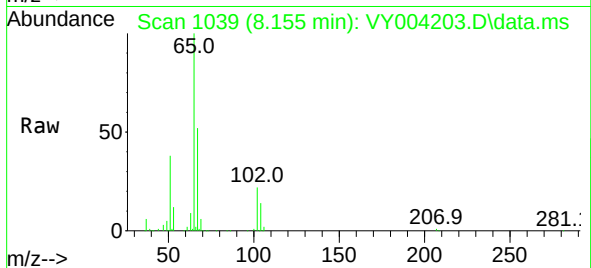




#33
1,2-Dichloroethane-d4
Concen: 55.88 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

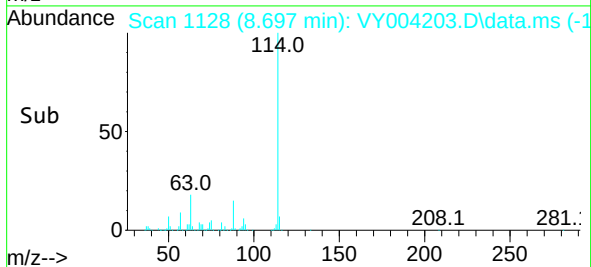
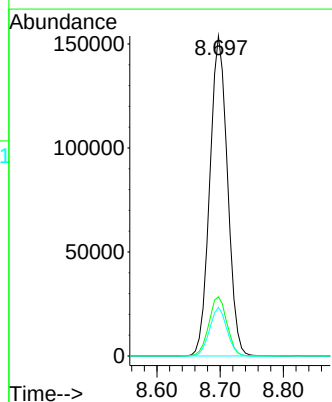
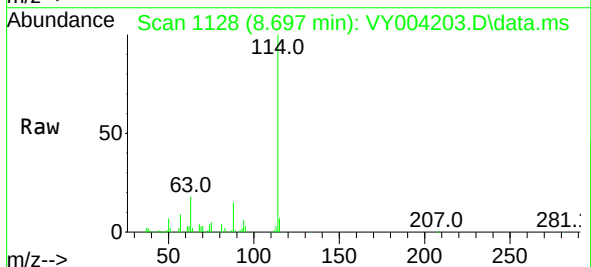
Instrument :
MSVOA_Y
ClientSampled :

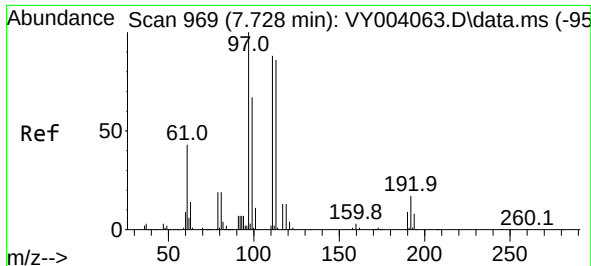
Tgt Ion: 65 Resp: 101918
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

Tgt Ion:114 Resp: 298519
Ion Ratio Lower Upper
114 100
63 18.5 0.0 41.6
88 15.2 0.0 31.4

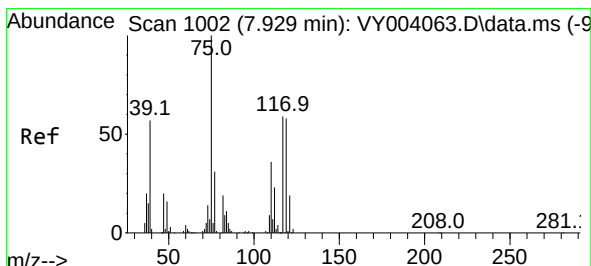
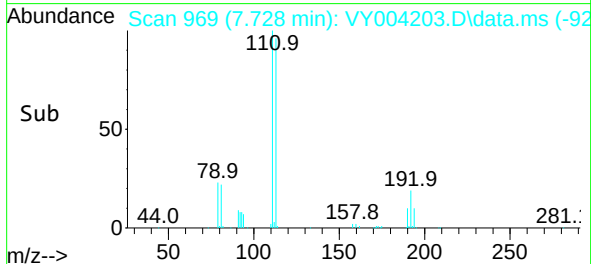
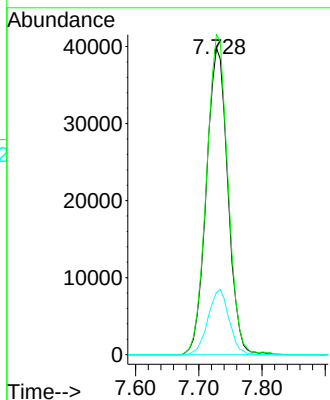
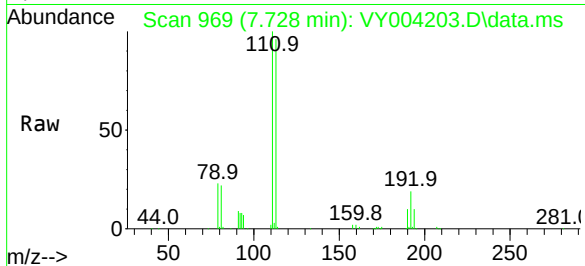




#35
Dibromofluoromethane
Concen: 55.86 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

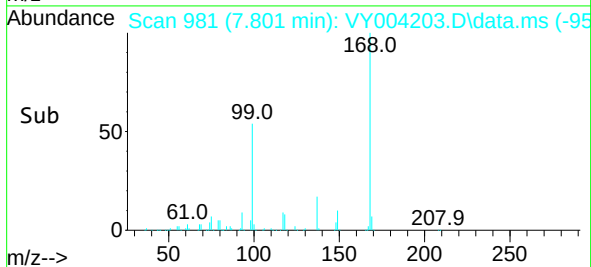
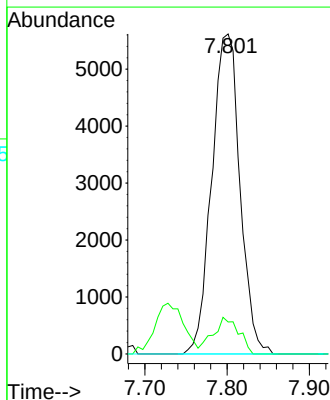
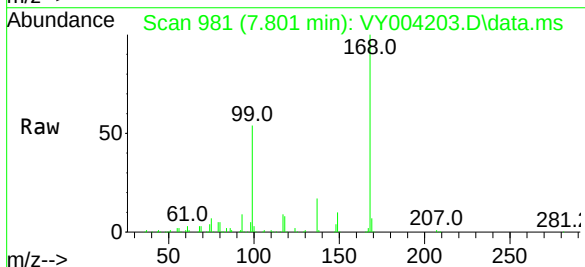
Instrument :
MSVOA_Y
ClientSampled :

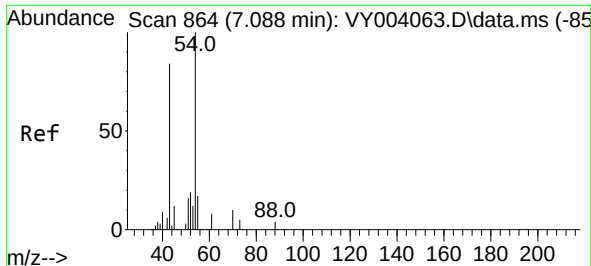
Tgt Ion:113 Resp: 94029
Ion Ratio Lower Upper
113 100
111 104.4 83.2 124.8
192 20.9 18.5 27.7



#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

Tgt Ion: 75 Resp: 13401
Ion Ratio Lower Upper
75 100
110 10.5 17.4 52.3#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 3.30 ug/l

RT: 6.996 min Scan# 849

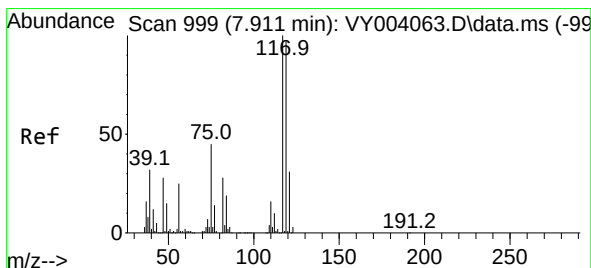
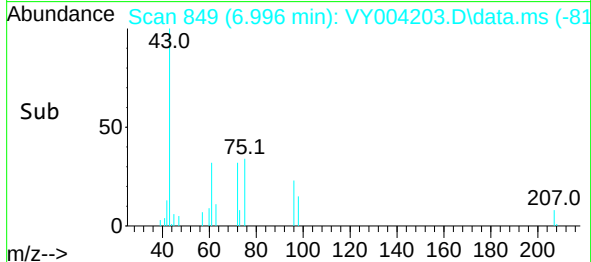
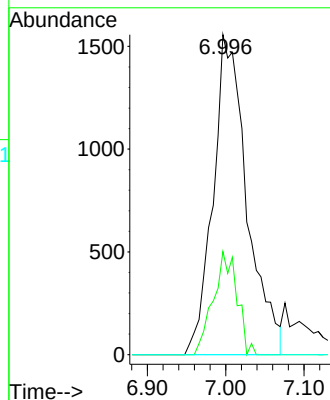
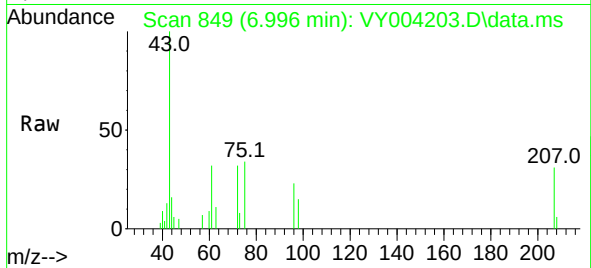
Delta R.T. -0.092 min

Lab File: VY004203.D

Acq: 25 Mar 2021 15:58

Tgt Ion:	43	Resp:	4669
Ion	Ratio	Lower	Upper
43	100		
61	22.6	10.7	16.1#
70	0.0	7.7	11.5#

Instrument :
MSVOA_Y
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.36 ug/l

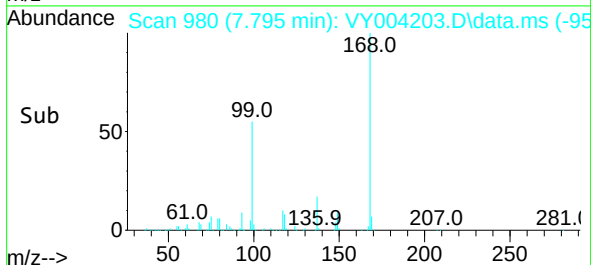
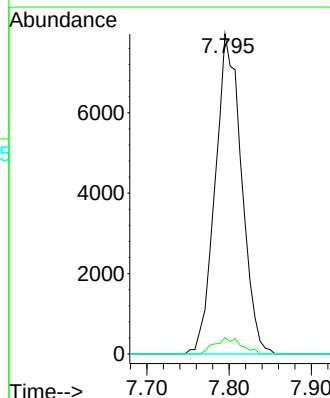
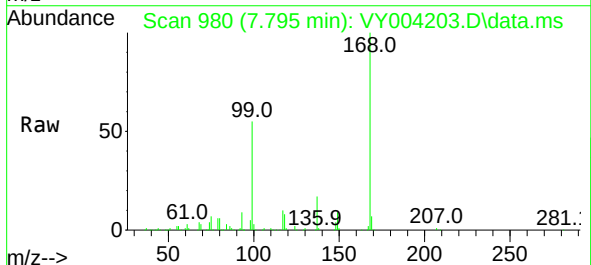
RT: 7.795 min Scan# 980

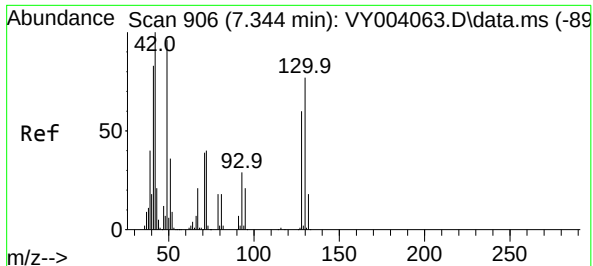
Delta R.T. -0.116 min

Lab File: VY004203.D

Acq: 25 Mar 2021 15:58

Tgt Ion:	117	Resp:	17691
Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.4	113.0#
121	0.0	24.2	36.2#

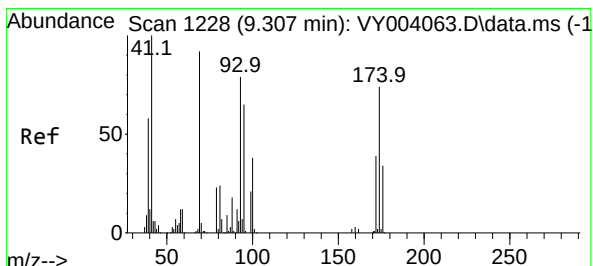
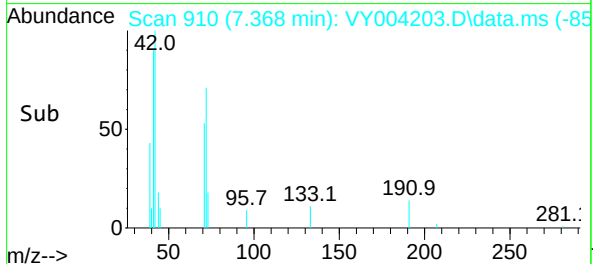
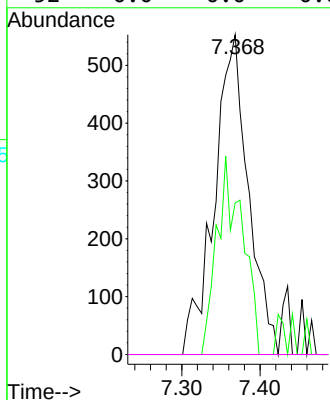
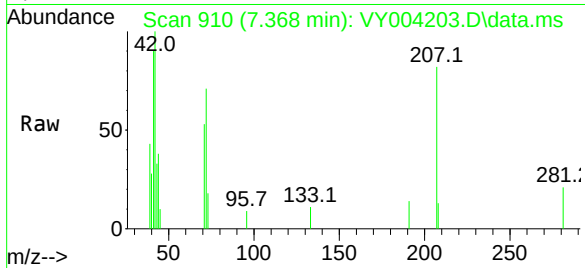




#41
Methacrylonitrile
Concen: 1.91 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.024 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

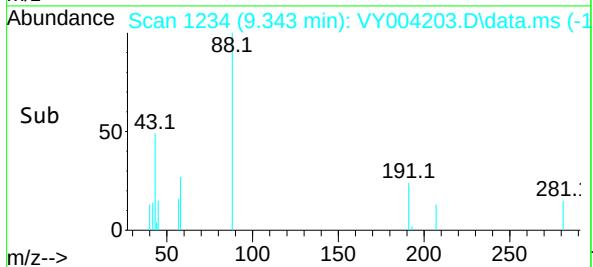
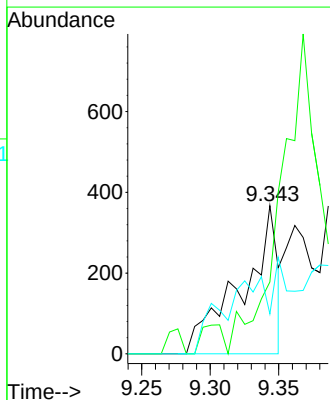
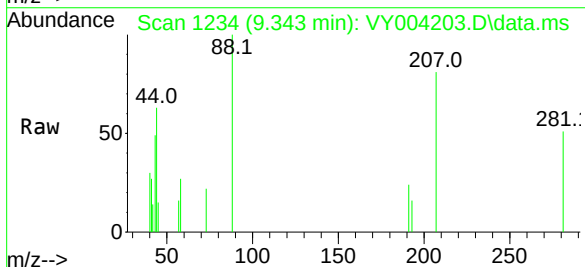
Instrument :
MSVOA_Y
ClientSampled :

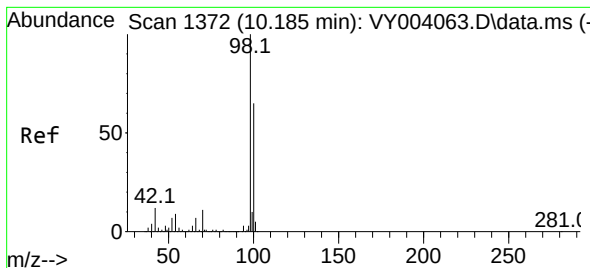
Tgt Ion: 41	Resp: 1668
Ion Ratio	Lower Upper
41 100	
39 46.8	91.2 136.8#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#49
1,4-Dioxane
Concen: 49.24 ug/l
RT: 9.343 min Scan# 1234
Delta R.T. 0.036 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

Tgt Ion: 88	Resp: 661
Ion Ratio	Lower Upper
88 100	
43 0.0	32.0 48.0#
58 30.4	56.5 84.7#

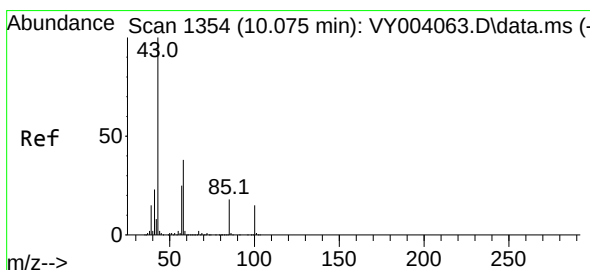
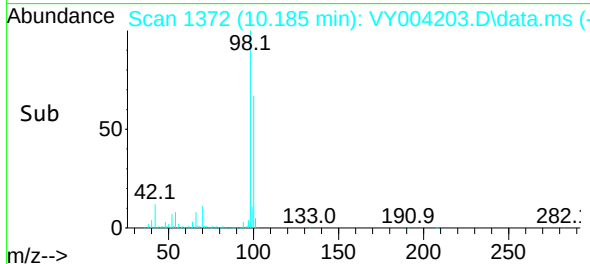
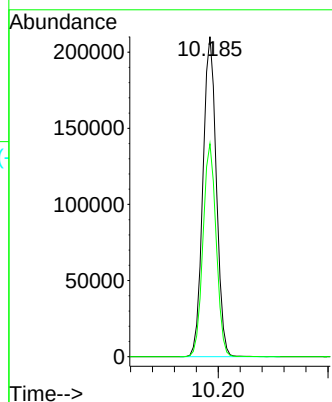
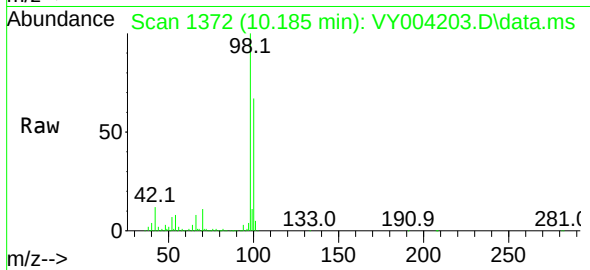




#50
Toluene-d8
Concen: 54.01 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

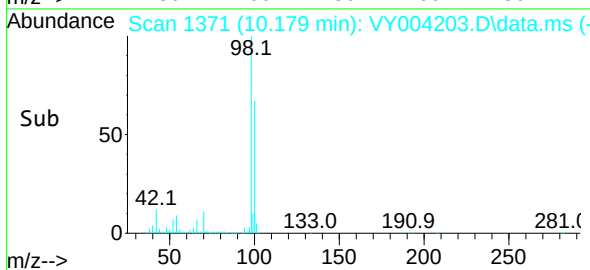
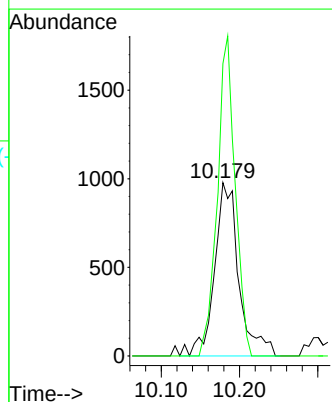
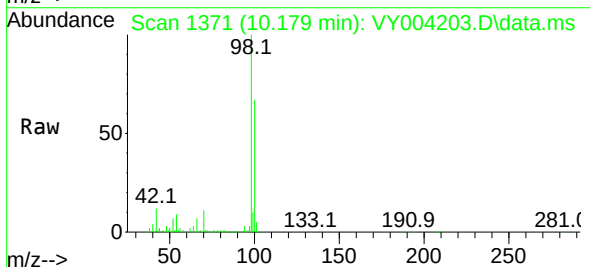
Instrument :
MSVOA_Y
ClientSampleId :

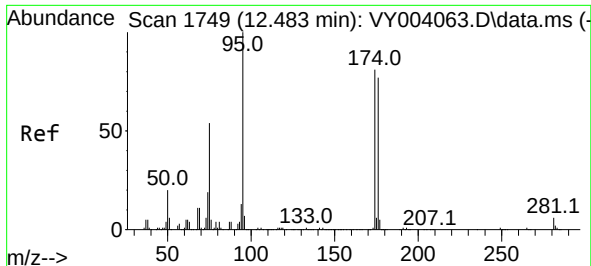
Tgt Ion: 98 Resp: 356443
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.48 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

Tgt Ion: 43 Resp: 2118
Ion Ratio Lower Upper
43 100
58 135.0 29.8 44.8#

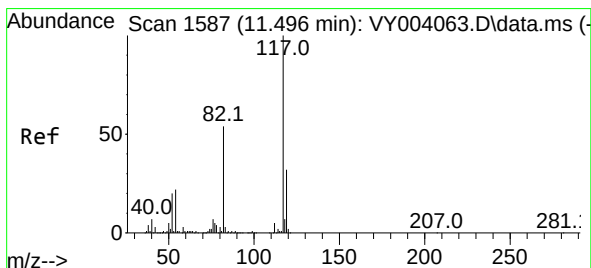
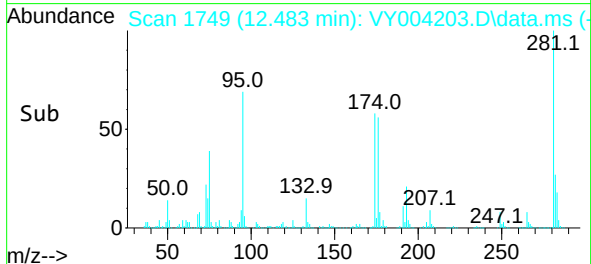
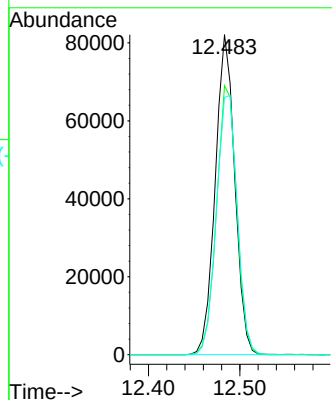
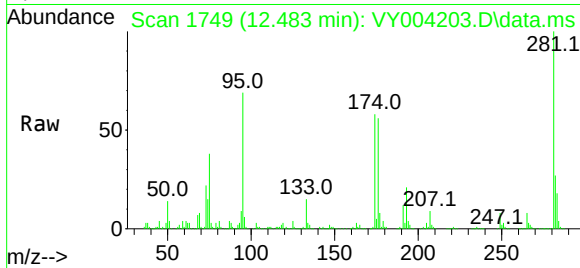




#62
4-Bromofluorobenzene
Concen: 50.06 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

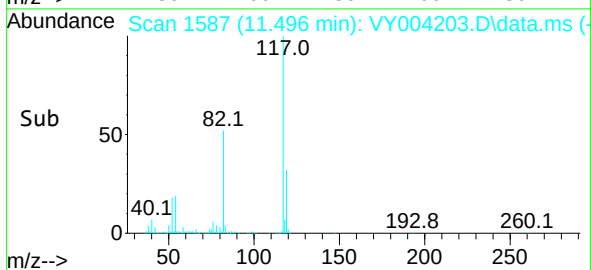
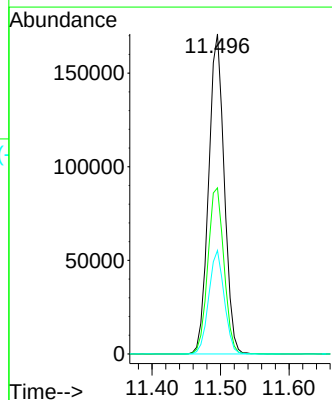
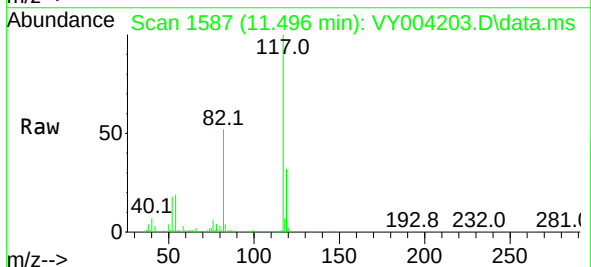
Instrument :
MSVOA_Y
ClientSampleId :

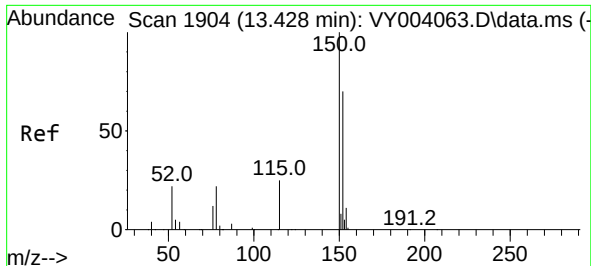
Tgt Ion: 95 Resp: 122005
Ion Ratio Lower Upper
95 100
174 86.9 0.0 179.0
176 86.9 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004203.D
Acq: 25 Mar 2021 15:58

Tgt Ion: 117 Resp: 270612
Ion Ratio Lower Upper
117 100
82 51.9 43.8 65.6
119 32.4 26.2 39.2

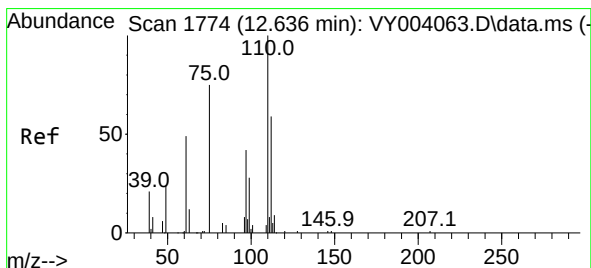
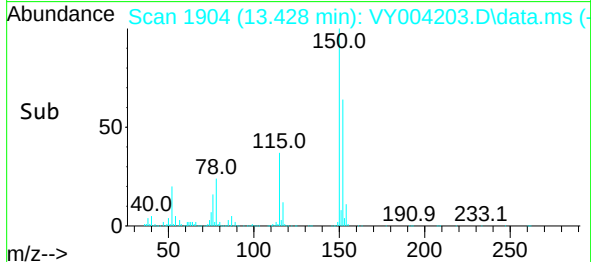
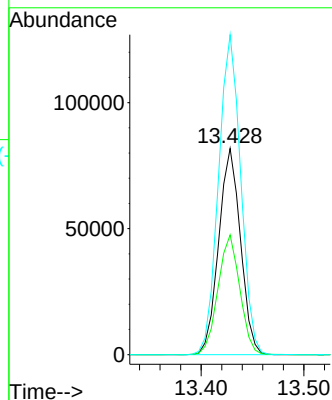
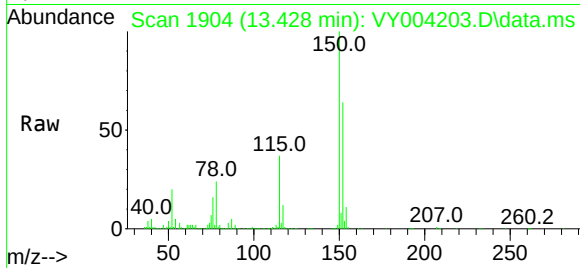




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004203.D
 Acq: 25 Mar 2021 15:58

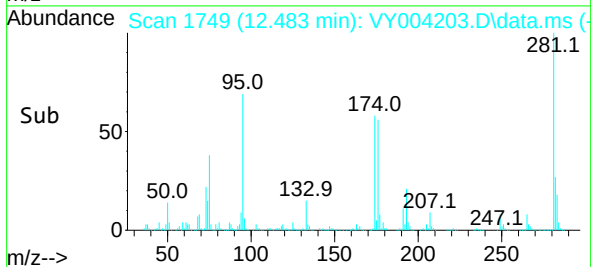
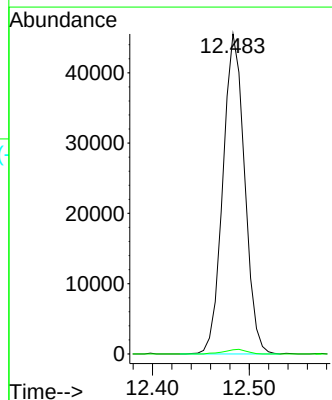
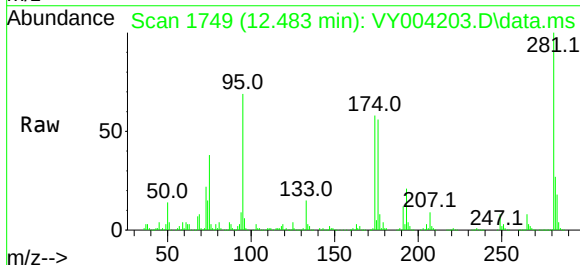
Instrument :
 MSVOA_Y
 ClientSampled :

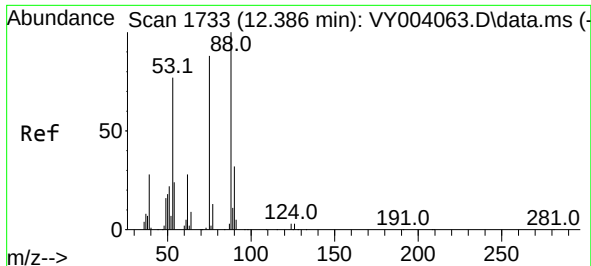
Tgt Ion:152 Resp: 120484
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.2 84.6
 150 157.7 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 61.32 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY004203.D
 Acq: 25 Mar 2021 15:58

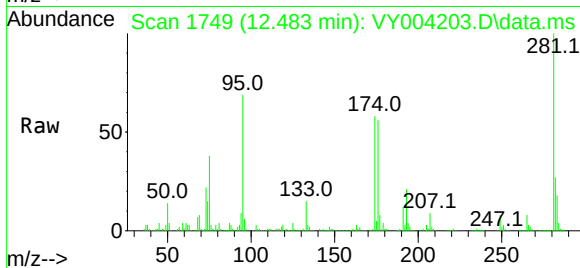
Tgt Ion: 75 Resp: 70842
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



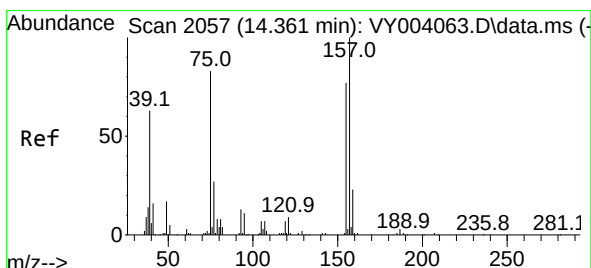
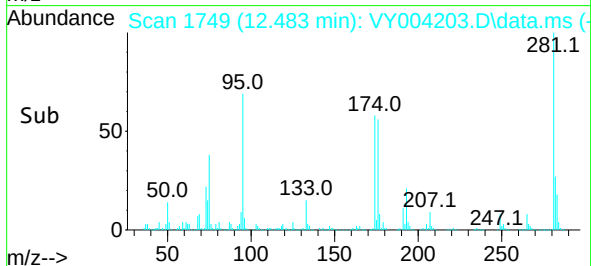
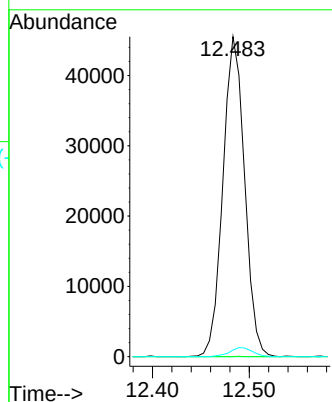


#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.02 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.097 min
 Lab File: VY004203.D
 Acq: 25 Mar 2021 15:58

Instrument :
 MSVOA_Y
 ClientSampled :



Tgt Ion: 75 Resp: 70842
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.5 110.3#
 89 3.0 35.7 53.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.21 ug/l
 RT: 14.373 min Scan# 2059
 Delta R.T. 0.012 min
 Lab File: VY004203.D
 Acq: 25 Mar 2021 15:58

Tgt Ion: 75 Resp: 333
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.8 128.4#
 157 0.0 52.4 157.3#

