

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005907.D
 Acq On : 31 Aug 2021 13:03
 Operator : SY/MD
 Sample : VY0831SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 01 05:36:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

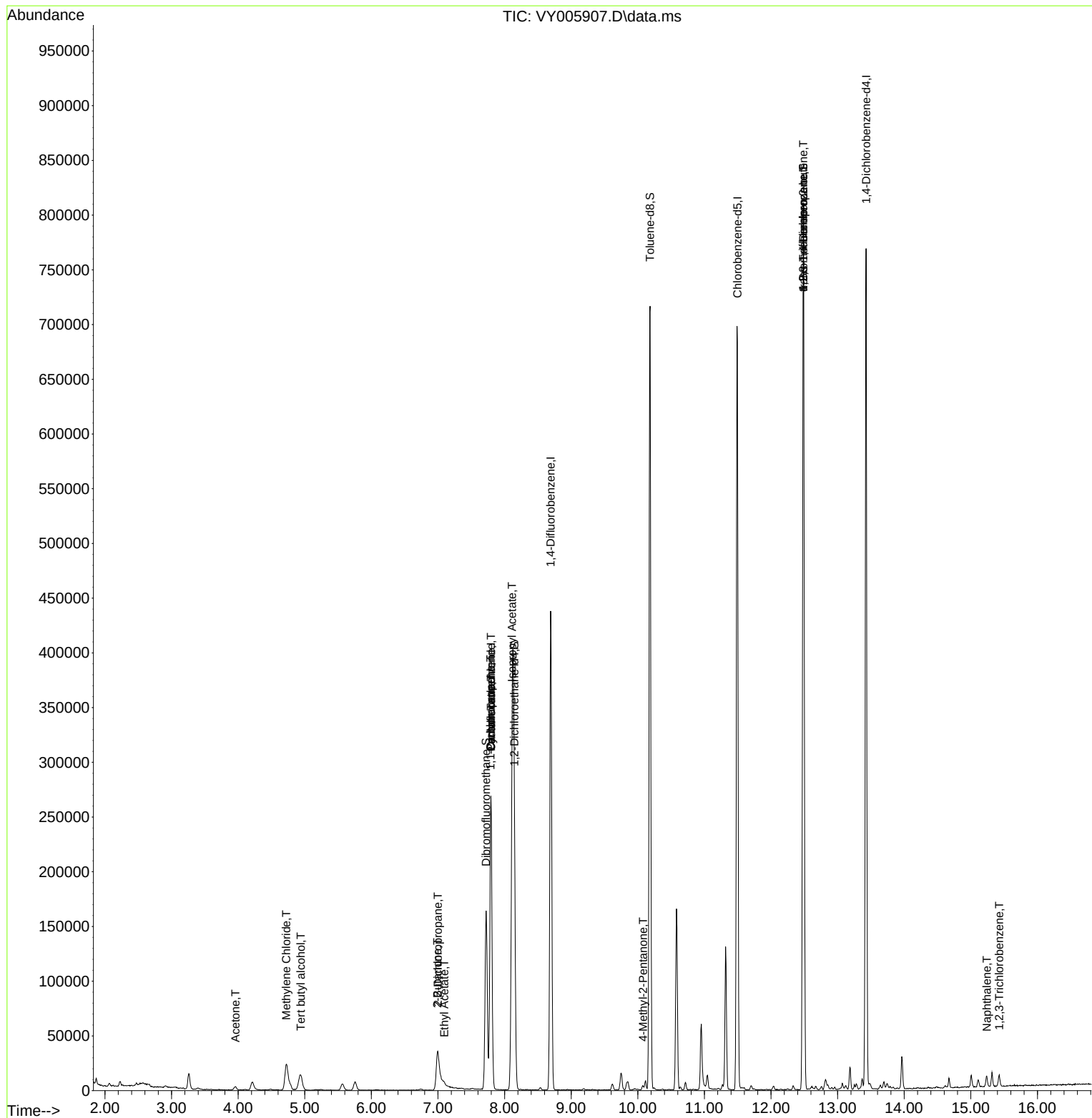
Internal Standards						
1) Pentafluorobenzene	7.795	168	222815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	375709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	388245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	200626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	129524	57.685	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.380%			
35) Dibromofluoromethane	7.722	113	111170	52.688	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.380%			
50) Toluene-d8	10.185	98	479002	54.093	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.180%			
62) 4-Bromofluorobenzene	12.483	95	171550	57.695	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.380%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	14976	33.918	ug/l #	83
13) Acrolein	3.723	56	28	Below Cal		99
16) Acetone	3.960	43	5326	9.303	ug/l	99
20) Methylene Chloride	4.722	84	17462	3.233	ug/l	97
25) 2-Butanone	6.990	43	2459	3.040	ug/l	92
26) 2,2-Dichloropropane	6.996	77	3563	1.021	ug/l #	53
31) Cyclohexane	7.795	56	4311	1.138	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	14890	4.209	ug/l #	50
37) Ethyl Acetate	7.094	43	2725	1.286	ug/l #	71
38) Carbon Tetrachloride	7.795	117	19582	5.107	ug/l #	16
43) Isopropyl Acetate	8.112	43	8197	2.130	ug/l #	4
51) 4-Methyl-2-Pentanone	10.081	43	2778	1.340	ug/l	90
76) 1,2,3-Trichloropropane	12.483	75	94773	50.470	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	94773	95.984	ug/l #	14
95) Naphthalene	15.239	128	8428	1.118	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	3745	1.094	ug/l	99

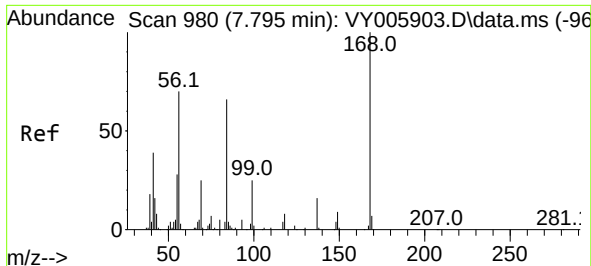
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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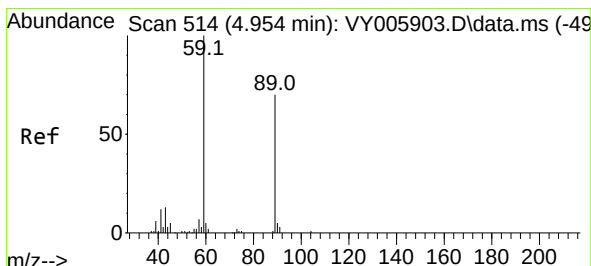
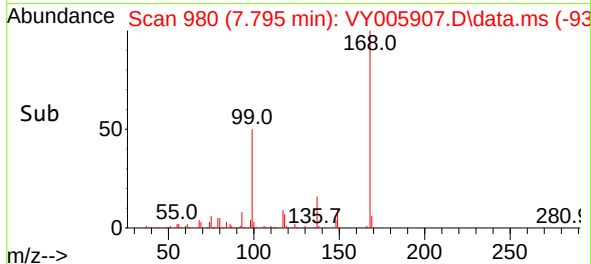
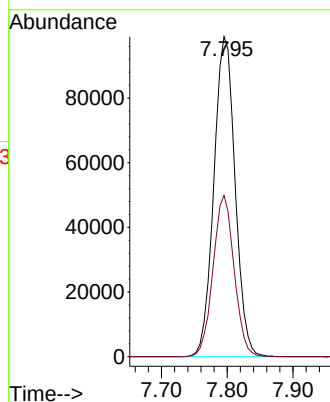
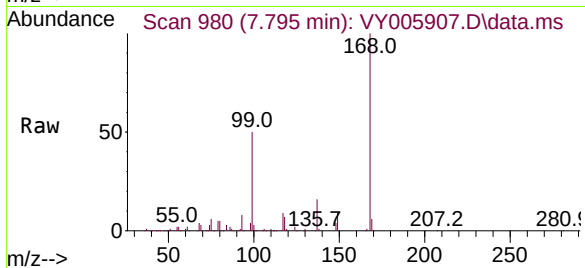




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

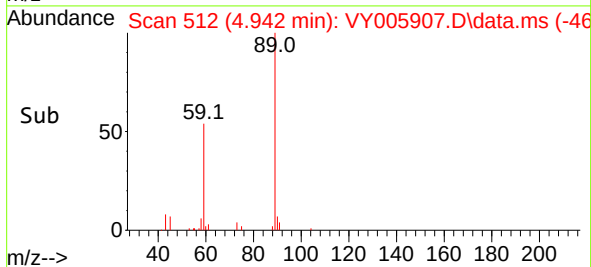
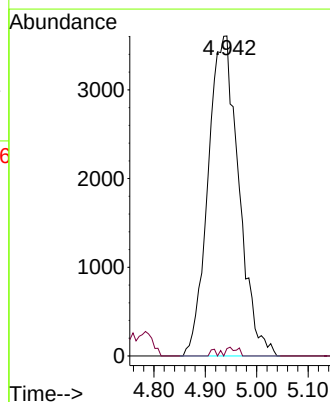
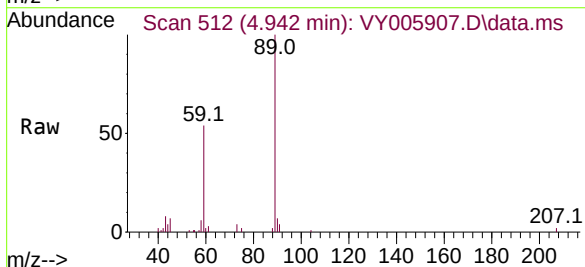
Instrument :
MSVOA_Y
ClientSampled :

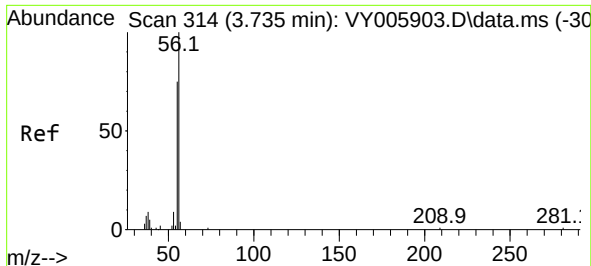
Tgt Ion:168 Resp: 222815
Ion Ratio Lower Upper
168 100
99 50.4 40.6 60.8



#11
Tert butyl alcohol
Concen: 33.918 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion: 59 Resp: 14976
Ion Ratio Lower Upper
59 100
57 1.1 5.5 8.3#

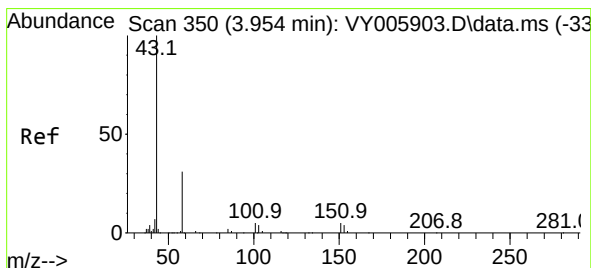
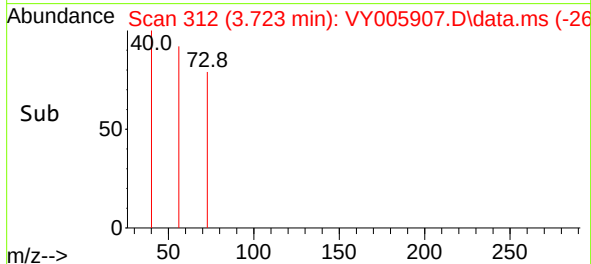
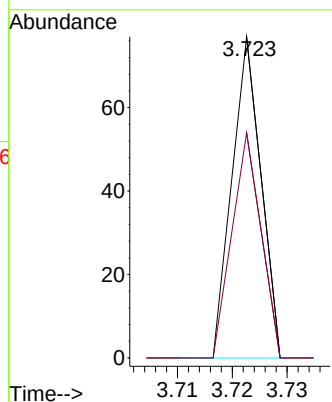
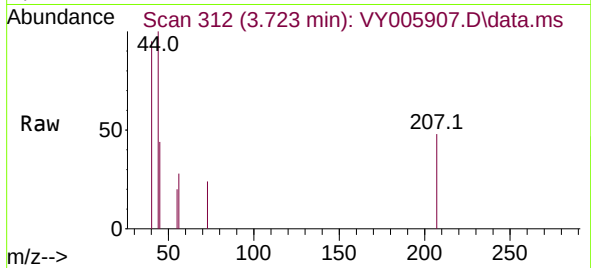




#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. -0.012 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

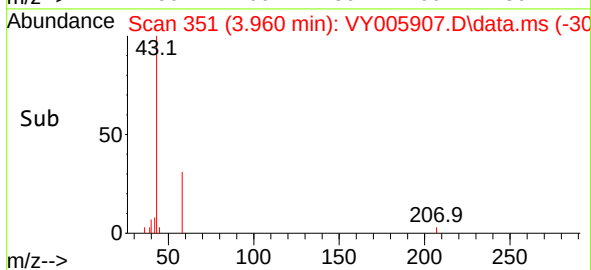
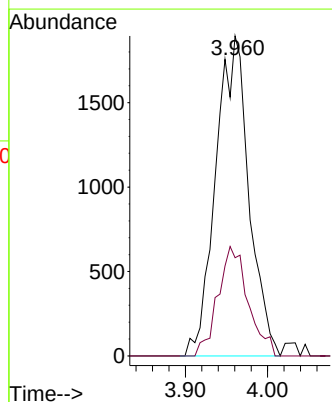
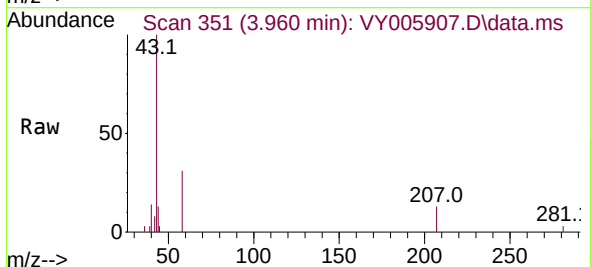
Instrument :
MSVOA_Y
ClientSampled :

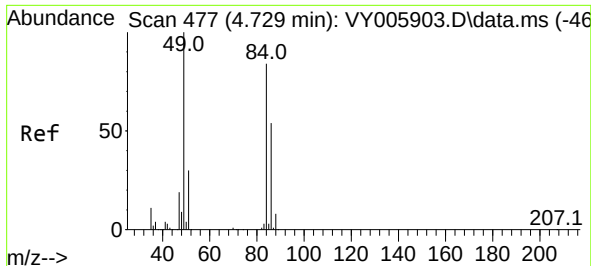
Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 71.4 57.6 86.4



#16
Acetone
Concen: 9.303 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

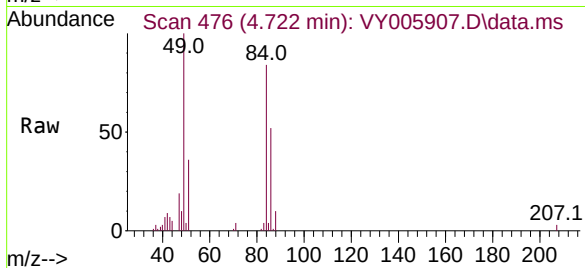
Tgt Ion: 43 Resp: 5326
Ion Ratio Lower Upper
43 100
58 30.7 25.1 37.7





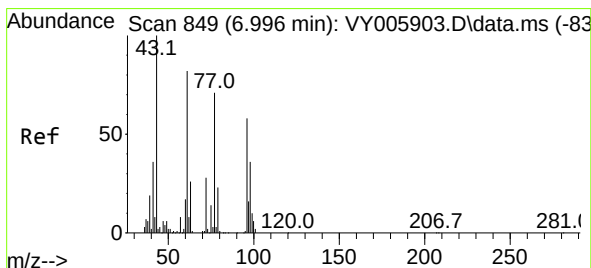
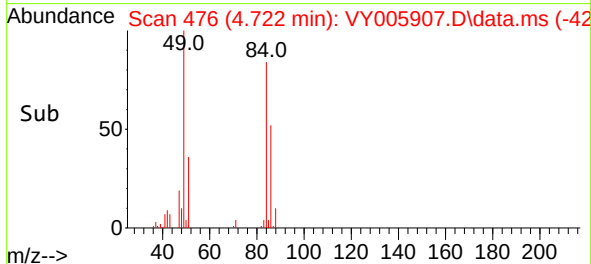
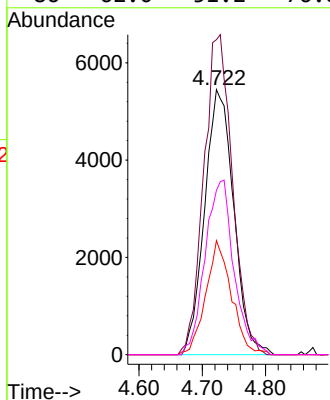
#20
Methylene Chloride
Concen: 3.233 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 17462

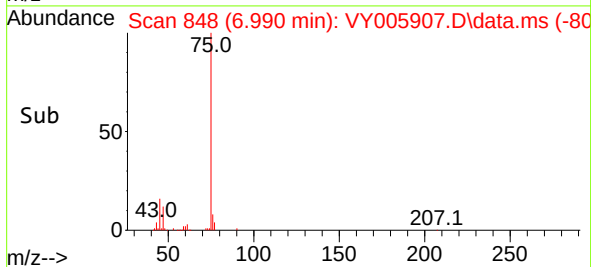
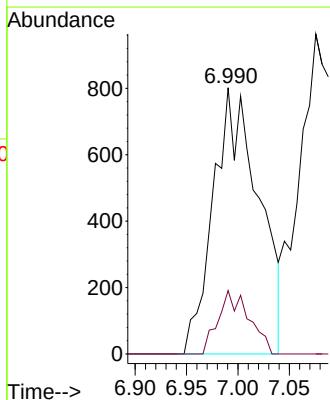
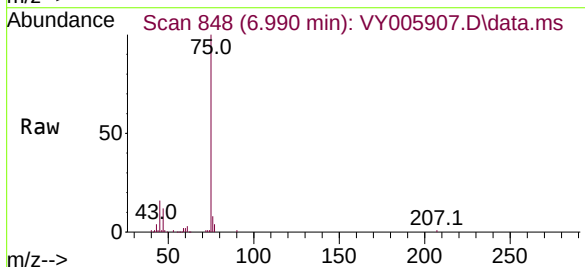
Ion	Ratio	Lower	Upper
84	100		
49	118.8	95.7	143.5
51	43.1	29.0	43.6
86	62.0	51.2	76.8

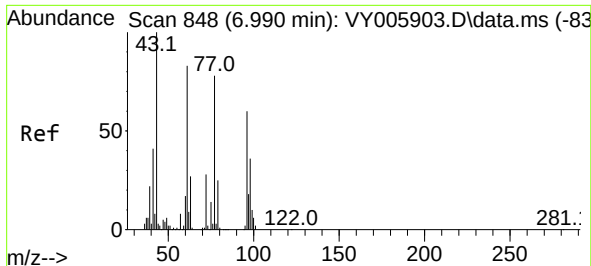


#25
2-Butanone
Concen: 3.040 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion: 43 Resp: 2459

Ion	Ratio	Lower	Upper
43	100		
72	23.8	22.3	33.5





#26

2,2-Dichloropropane

Concen: 1.021 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY005907.D

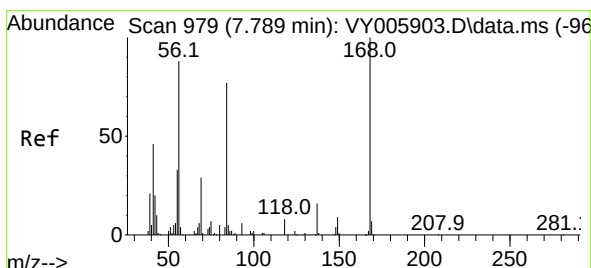
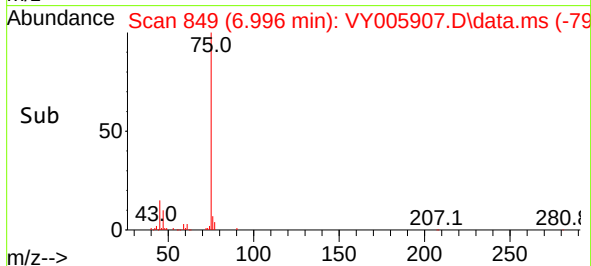
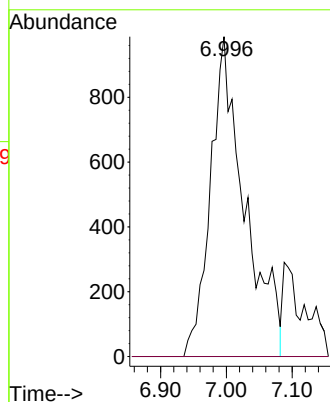
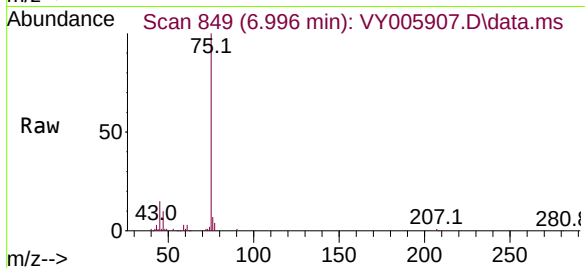
Acq: 31 Aug 2021 13:03

Tgt Ion: 77 Resp: 3563

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY005907.D

Acq: 31 Aug 2021 13:03

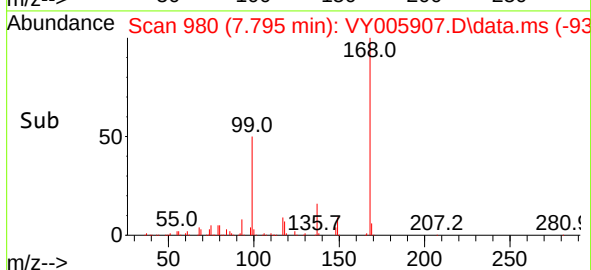
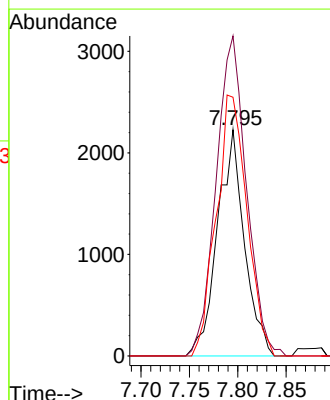
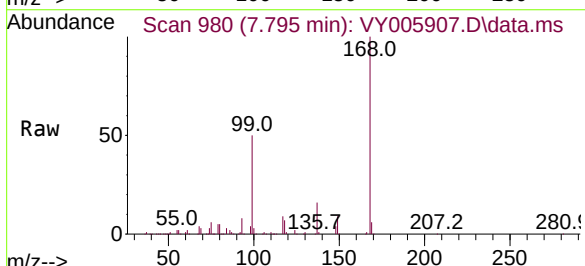
Tgt Ion: 56 Resp: 4311

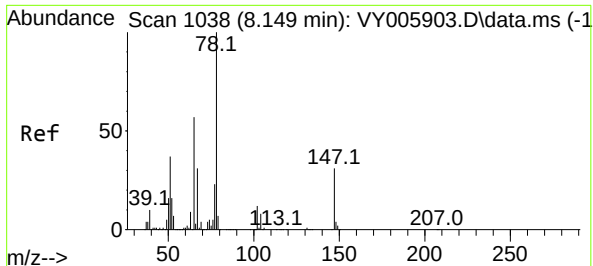
Ion Ratio Lower Upper

56 100

69 141.4 26.3 39.5#

84 114.3 69.8 104.8#

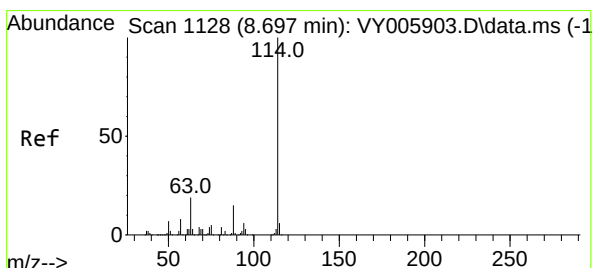
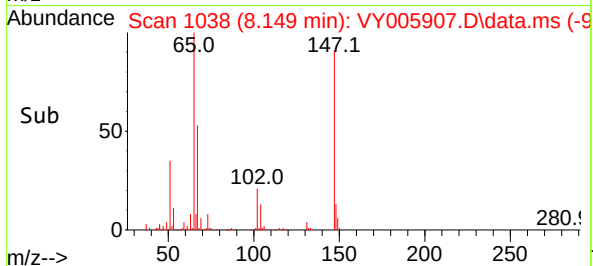
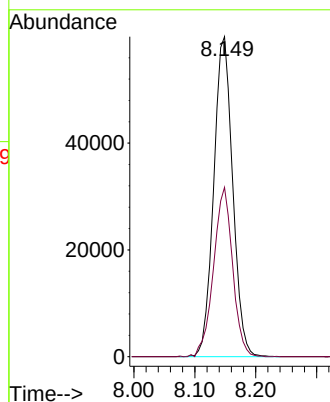
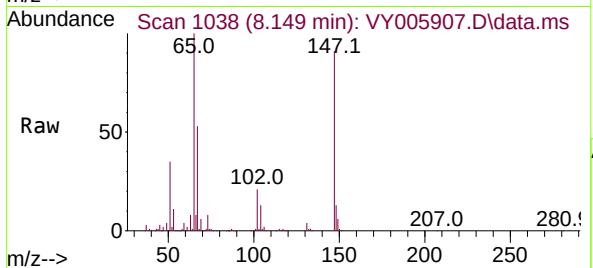




#33
1,2-Dichloroethane-d4
Concen: 57.685 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

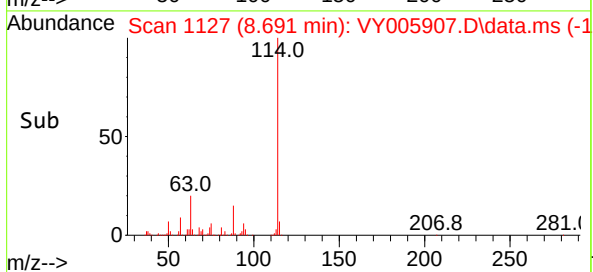
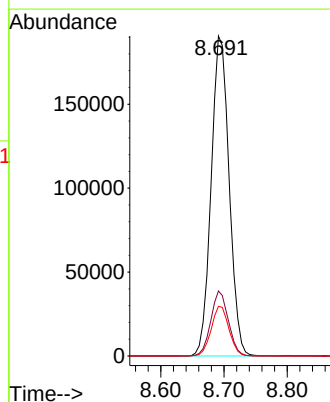
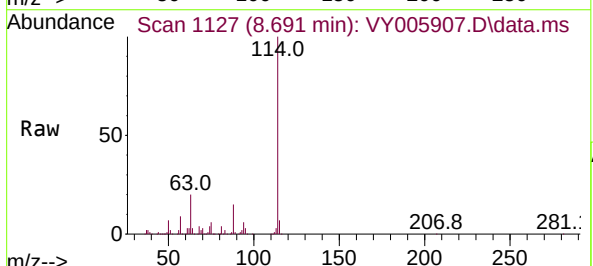
Instrument :
MSVOA_Y
ClientSampled :

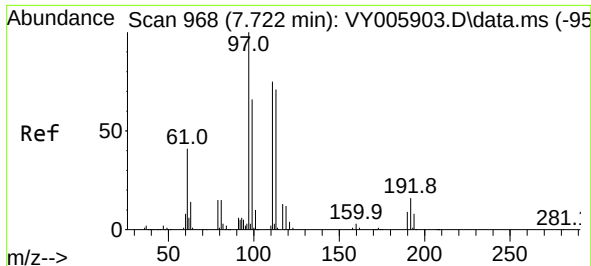
Tgt Ion: 65 Resp: 129524
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion:114 Resp: 375709
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.4
88 15.5 0.0 30.0

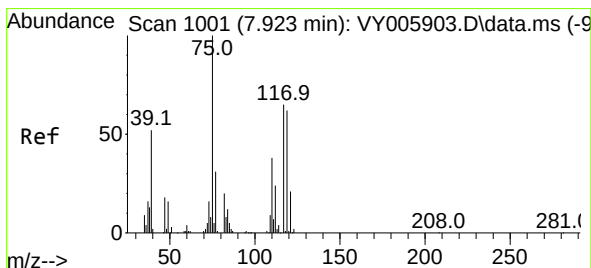
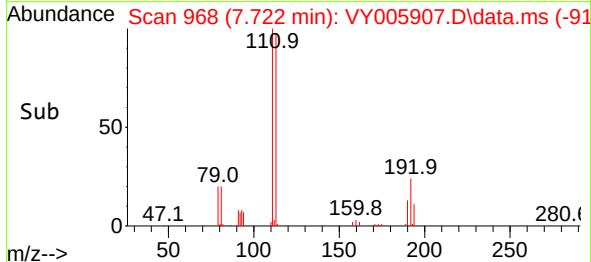
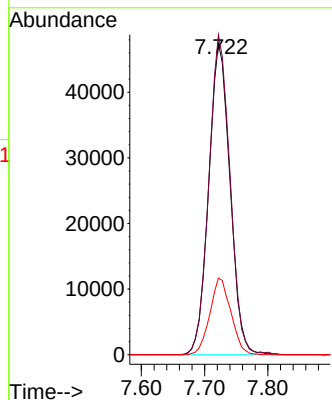
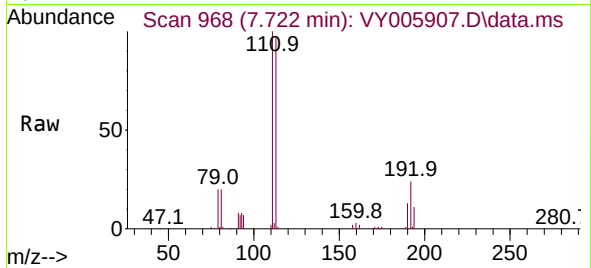




#35
Dibromofluoromethane
Concen: 52.688 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

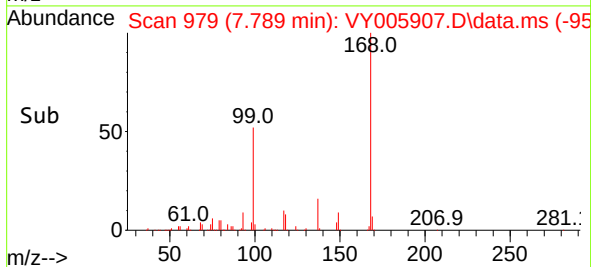
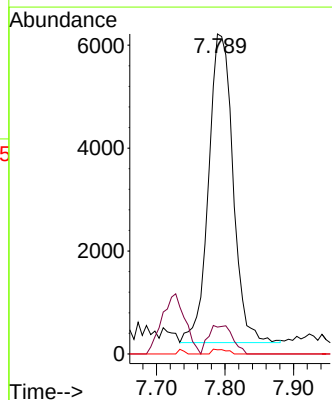
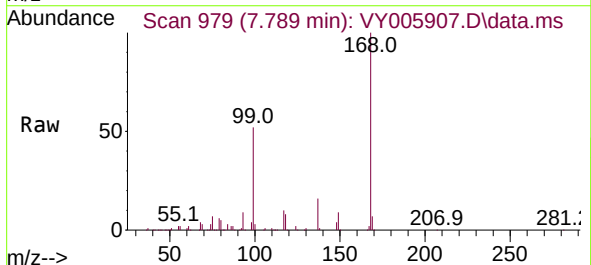
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MSVOA_Y
ClientSampleId :

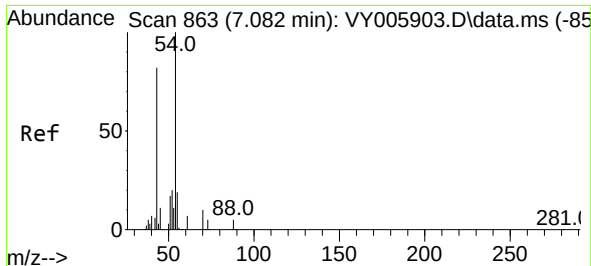
Tgt Ion:113 Resp: 111170
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 24.2 19.4 29.0



#36
1,1-Dichloropropene
Concen: 4.209 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion: 75 Resp: 14890
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.3#
77 0.9 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.286 ug/l

RT: 7.094 min Scan# 865

Delta R.T. 0.012 min

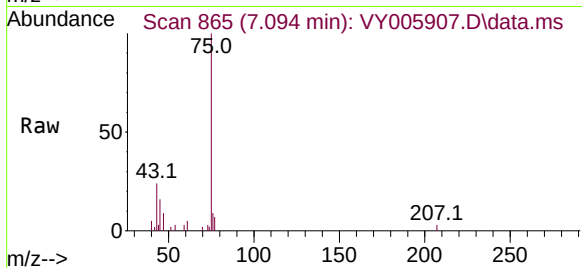
Lab File: VY005907.D

Acq: 31 Aug 2021 13:03

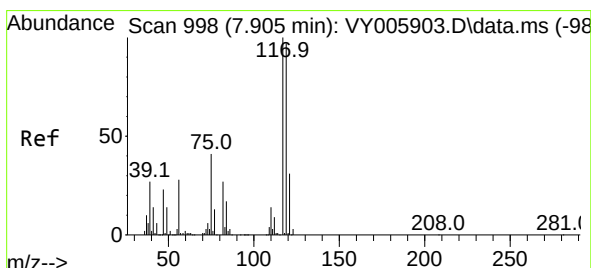
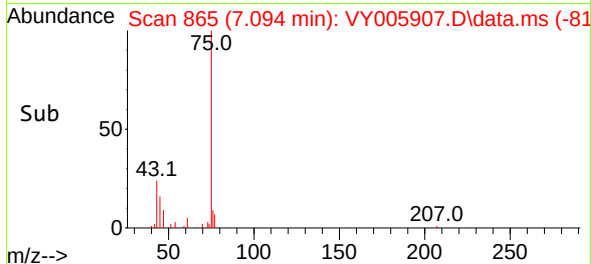
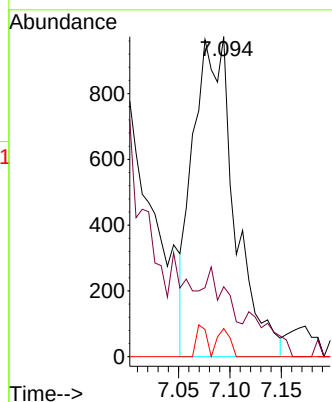
Instrument :

MSVOA_Y

ClientSampled :



Tgt Ion:	43	Resp:	2725
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	2.7	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.107 ug/l

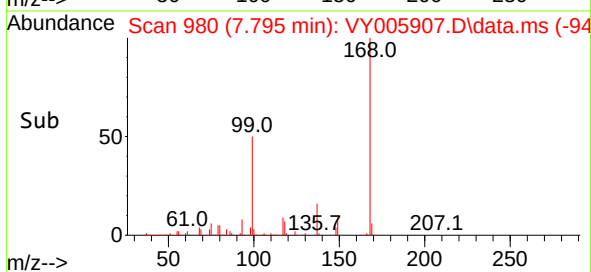
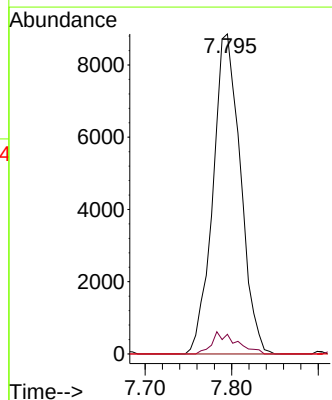
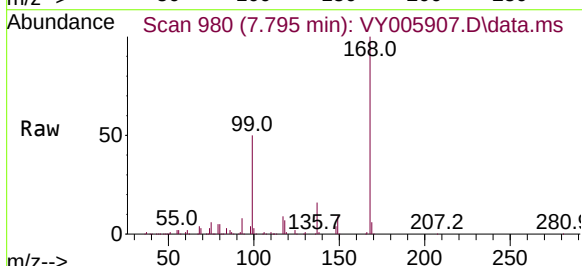
RT: 7.795 min Scan# 980

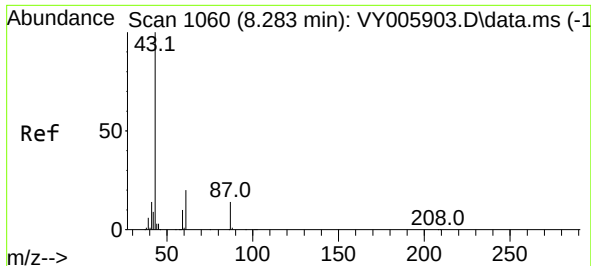
Delta R.T. -0.110 min

Lab File: VY005907.D

Acq: 31 Aug 2021 13:03

Tgt Ion:	117	Resp:	19582
Ion	Ratio	Lower	Upper
117	100		
119	6.2	77.5	116.3#
121	0.0	25.0	37.6#

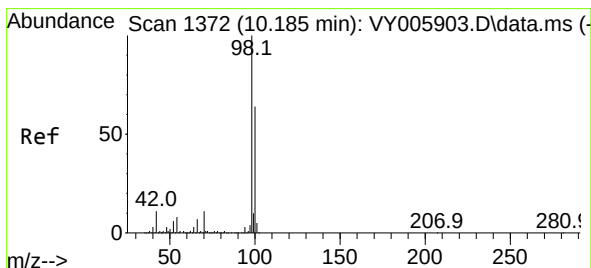
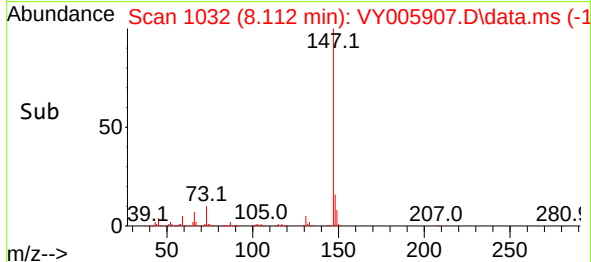
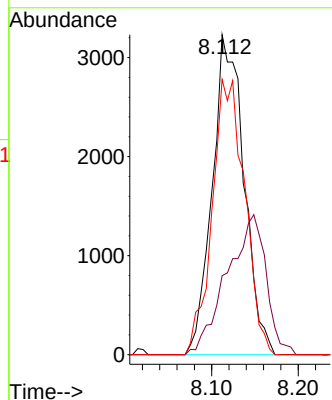
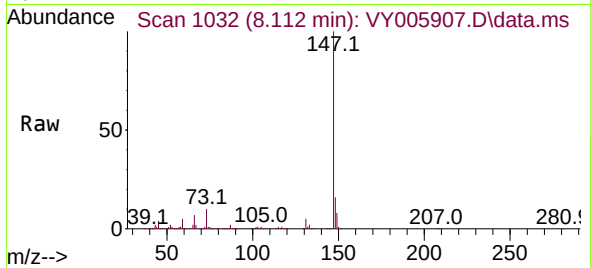




#43
Isopropyl Acetate
Concen: 2.130 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.171 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

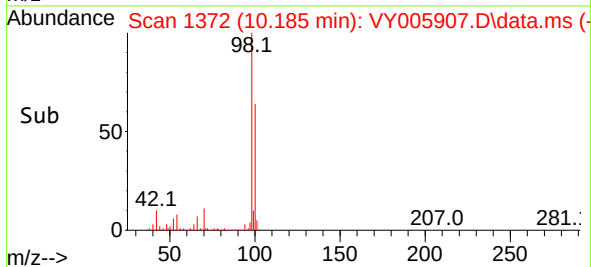
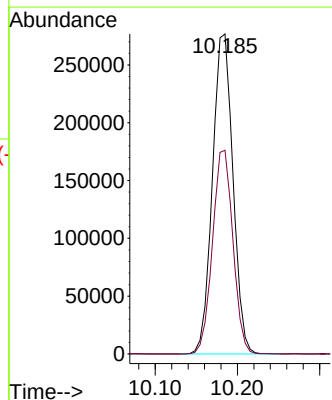
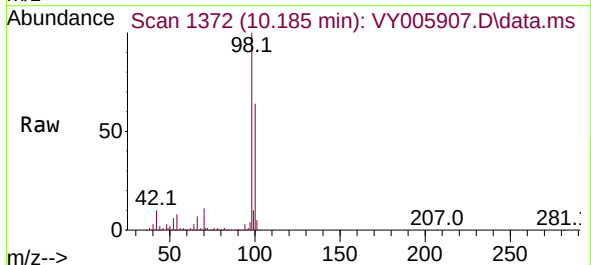
Instrument :
MSVOA_Y
ClientSampleId :

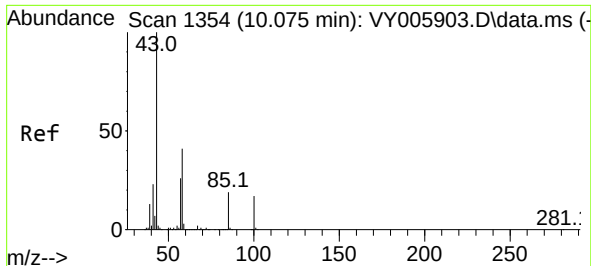
Tgt Ion: 43 Resp: 8197
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#
87 88.6 11.0 16.6#



#50
Toluene-d8
Concen: 54.093 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion: 98 Resp: 479002
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3

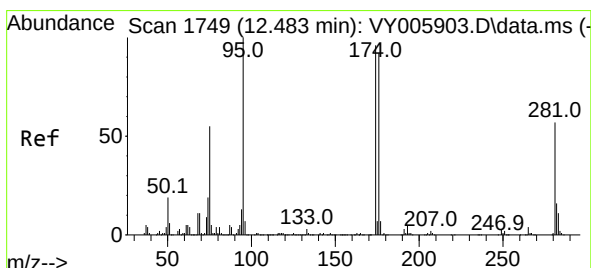
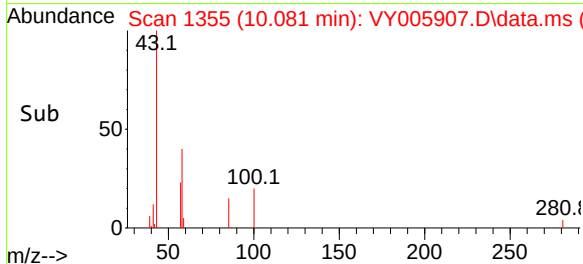
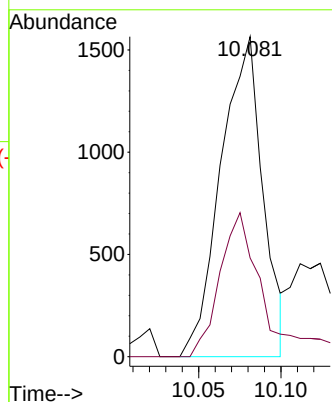
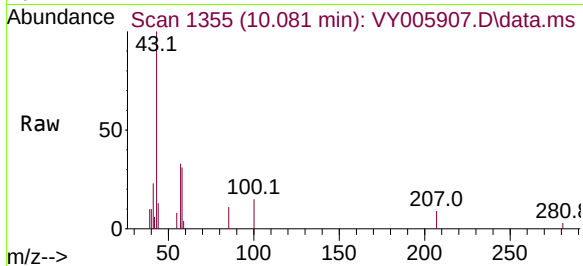




#51
4-Methyl-2-Pentanone
Concen: 1.340 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

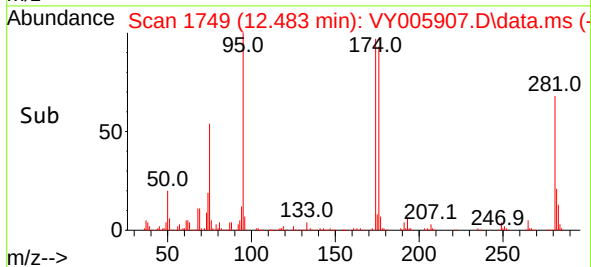
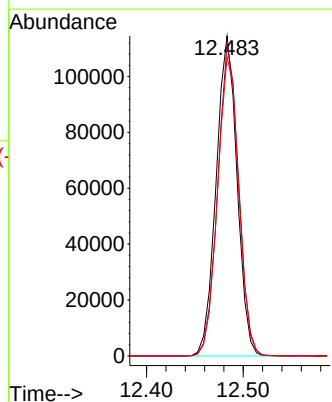
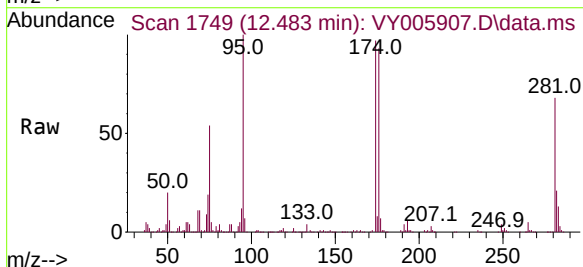
Instrument :
MSVOA_Y
ClientSampleId :

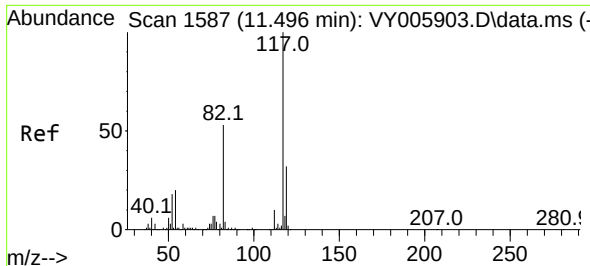
Tgt Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
58 46.0 31.8 47.8



#62
4-Bromofluorobenzene
Concen: 57.695 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion: 95 Resp: 171550
Ion Ratio Lower Upper
95 100
174 97.4 0.0 192.4
176 94.6 0.0 186.8

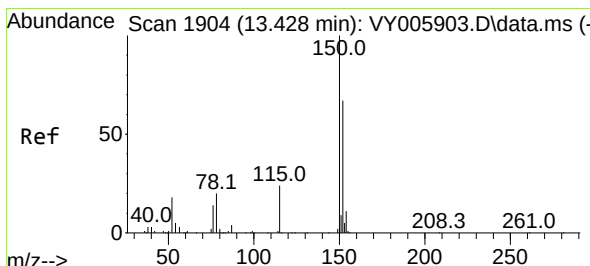
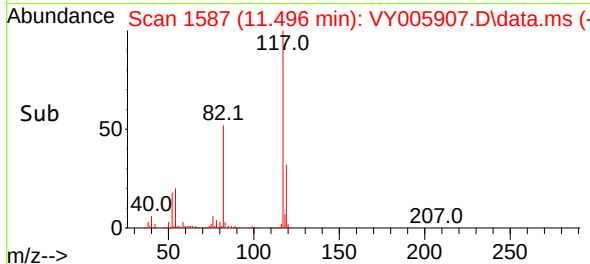
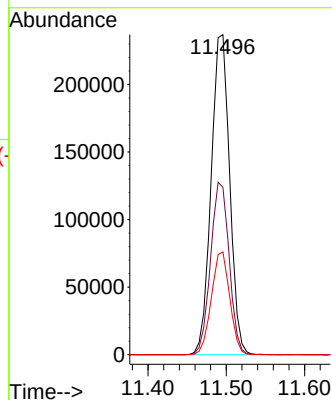
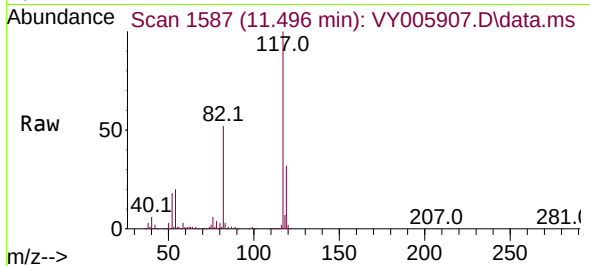




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

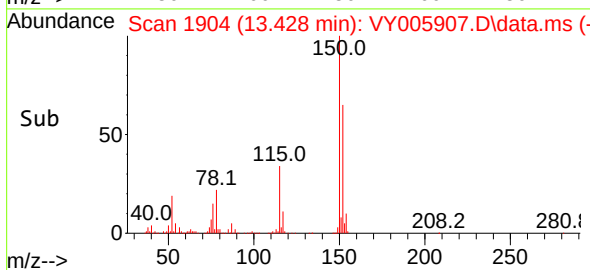
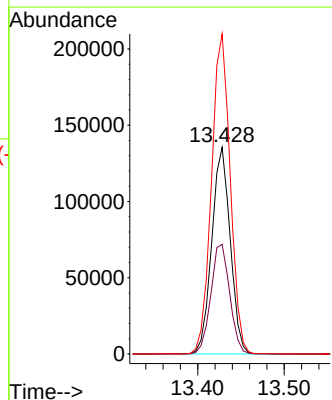
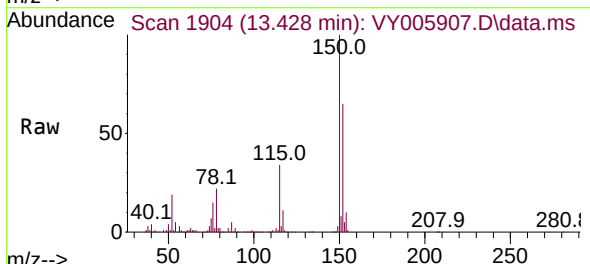
Instrument :
MSVOA_Y
ClientSampleId :

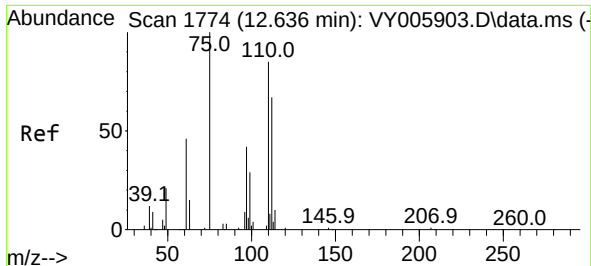
Tgt Ion:117 Resp: 388245
Ion Ratio Lower Upper
117 100
82 52.3 42.4 63.6
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion:152 Resp: 200626
Ion Ratio Lower Upper
152 100
115 54.3 26.8 80.4
150 157.1 0.0 345.6

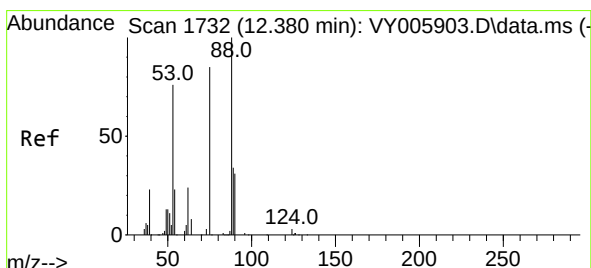
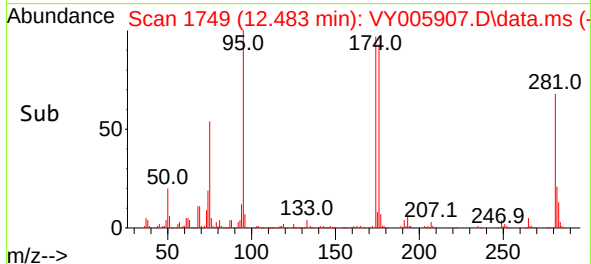
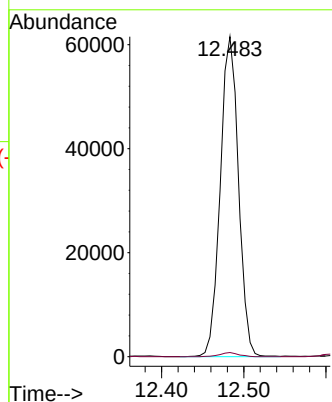
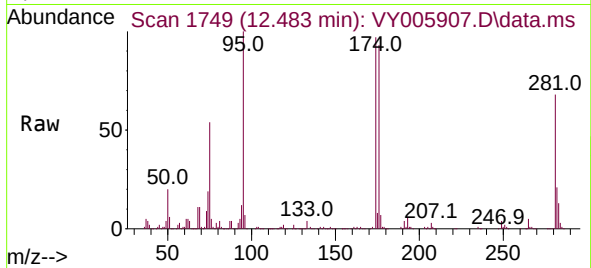




#76
1,2,3-Trichloropropane
Concen: 50.470 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

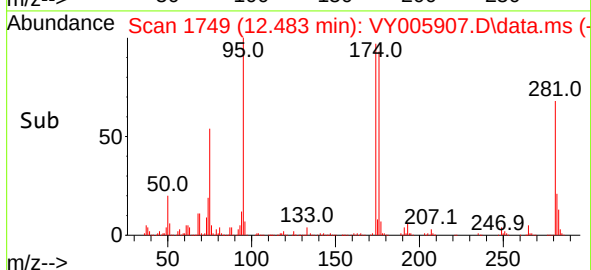
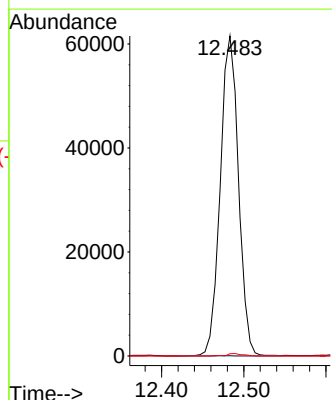
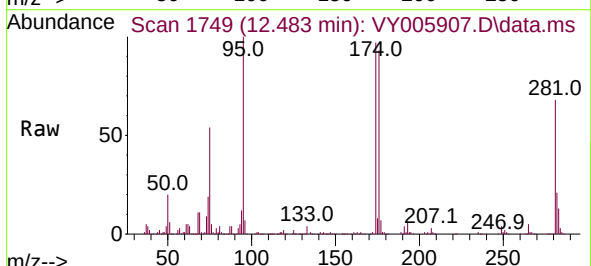
Instrument :
MSVOA_Y
ClientSampled :

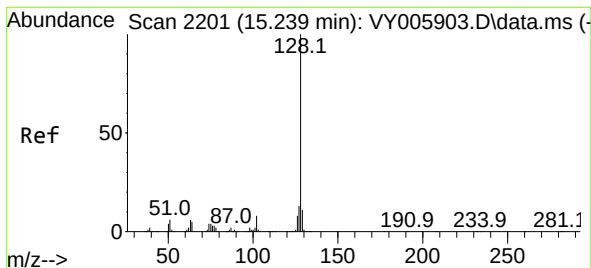
Tgt Ion: 75 Resp: 94773
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.984 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion: 75 Resp: 94773
Ion Ratio Lower Upper
75 100
53 0.1 71.8 107.8#
89 0.6 35.8 53.6#

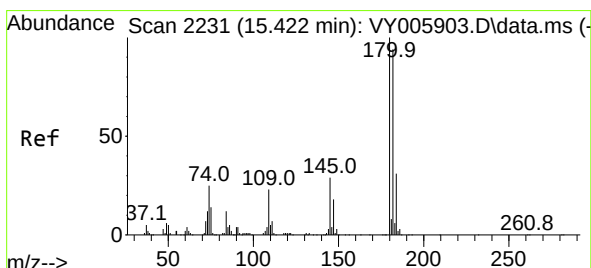
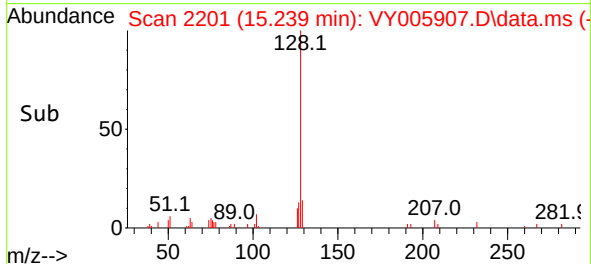
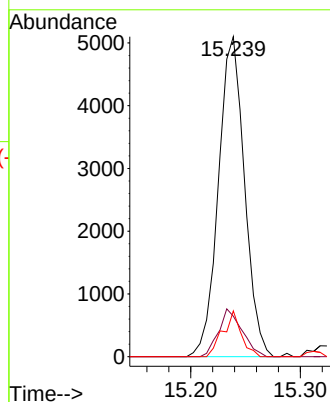
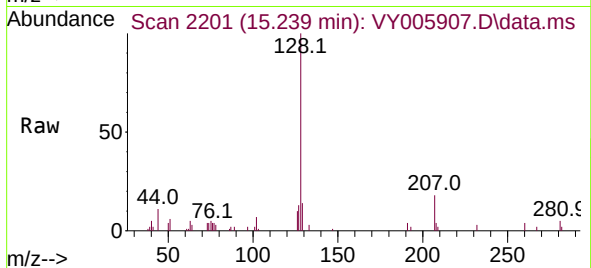




#95
Naphthalene
Concen: 1.118 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	128	Resp:	8428
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	15.8
129	10.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.094 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY005907.D
Acq: 31 Aug 2021 13:03

Tgt Ion:	180	Resp:	3745
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.3
145	27.0	14.2	42.8

