

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007191.D
 Acq On : 17 Jan 2022 16:50
 Operator : SY/MD
 Sample : N1145-02
 Misc : 6.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-2-5.5

Quant Time: Jan 18 03:10:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

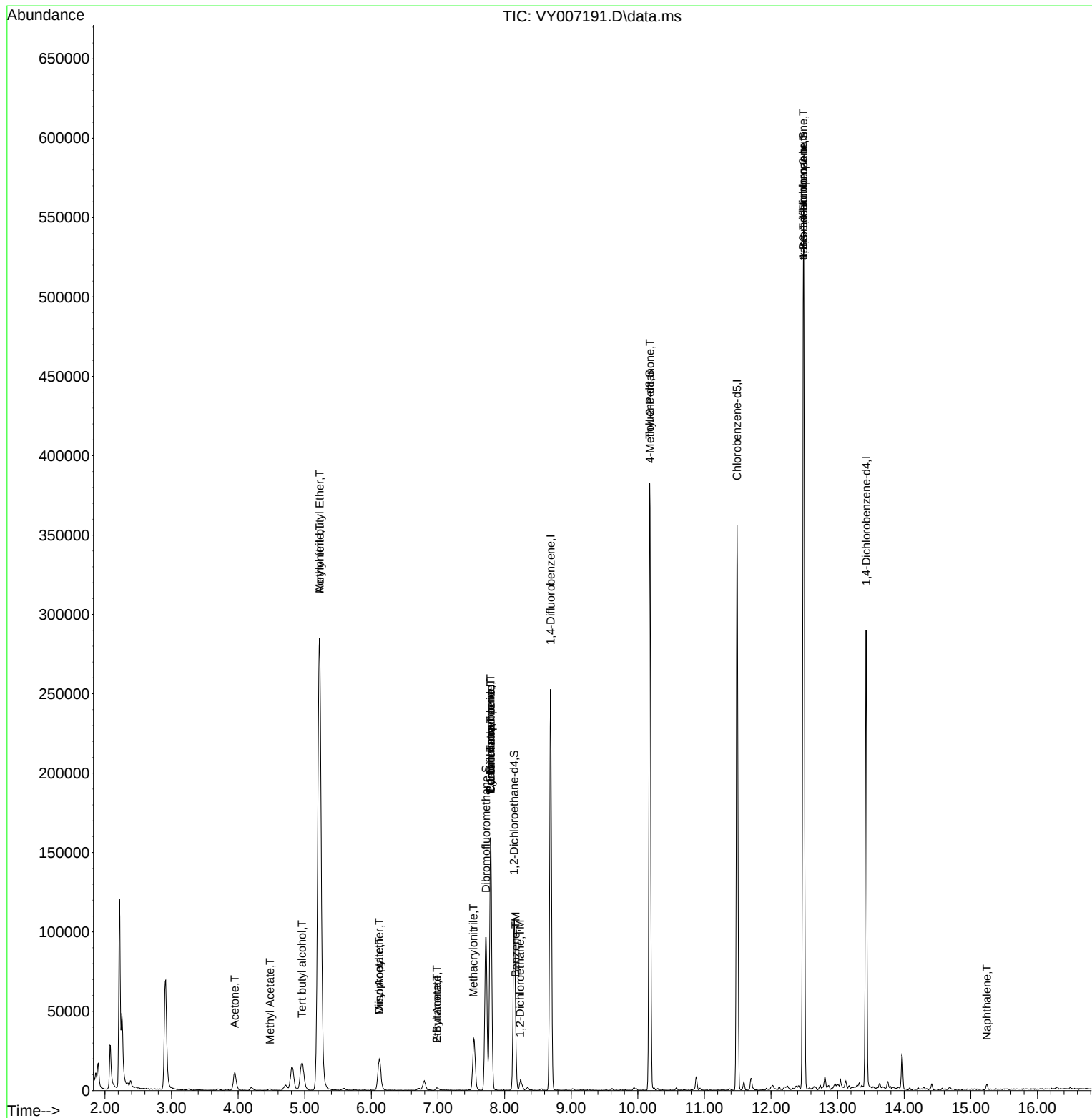
Internal Standards						
1) Pentafluorobenzene	7.789	168	111442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	206649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	183445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	81056	59.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.560%
35) Dibromofluoromethane	7.722	113	70034	50.120	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.240%
50) Toluene-d8	10.179	98	250984	49.157	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.483	95	83206	45.813	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	41357	356.765	ug/l	99
13) Acrolein	3.735	56	91	Below Cal	#	15
15) Acrylonitrile	5.222	53	5002	14.704	ug/l #	28
16) Acetone	3.948	43	16360	46.101	ug/l	98
18) Methyl Acetate	4.479	43	1948	1.543	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	530596	213.726	ug/l	98
22) Diisopropyl ether	6.118	45	26924	6.573	ug/l	95
23) Vinyl Acetate	6.118	43	13980	5.803	ug/l #	70
25) 2-Butanone	6.984	43	1524	3.322	ug/l	98
31) Cyclohexane	7.789	56	5374	2.325	ug/l #	59
36) 1,1-Dichloropropene	7.789	75	9722	4.356	ug/l #	51
37) Ethyl Acetate	6.984	43	1524	1.331	ug/l #	67
38) Carbon Tetrachloride	7.789	117	12201	5.198	ug/l #	15
40) Benzene	8.167	78	18155	3.050	ug/l	99
41) Methacrylonitrile	7.533	41	15373	23.309	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	3040	1.622	ug/l	94
51) 4-Methyl-2-Pentanone	10.185	43	1345	1.190	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	49392	65.312	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49392	119.568	ug/l #	3
95) Naphthalene	15.239	128	3047	1.087	ug/l #	96

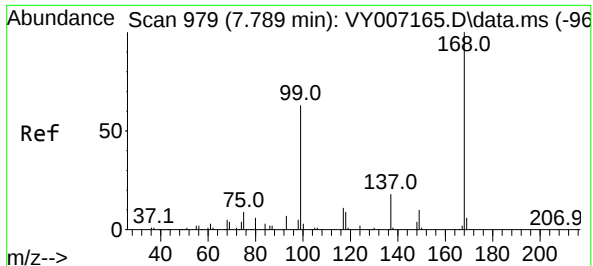
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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A3-2-5.5

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Quant Title : SW846 8260
QLast Update : Fri Jan 14 05:48:29 2022
Response via : Initial Calibration

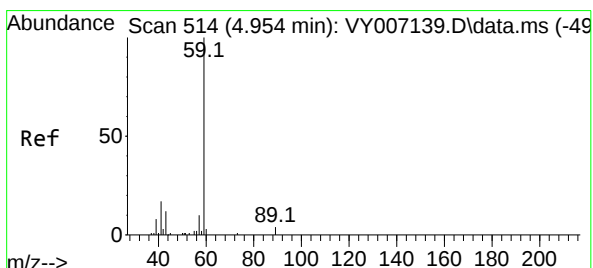
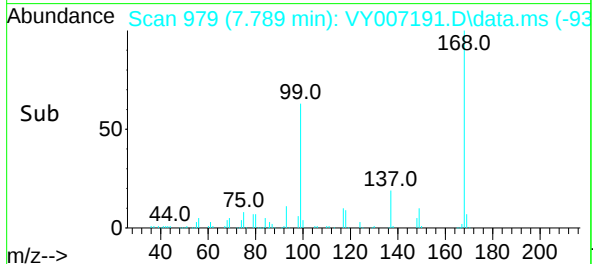
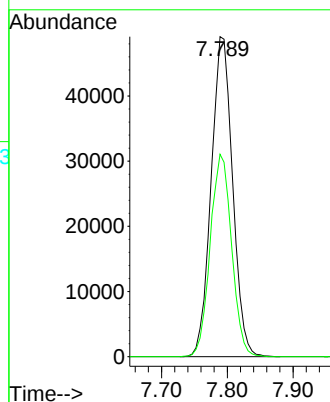
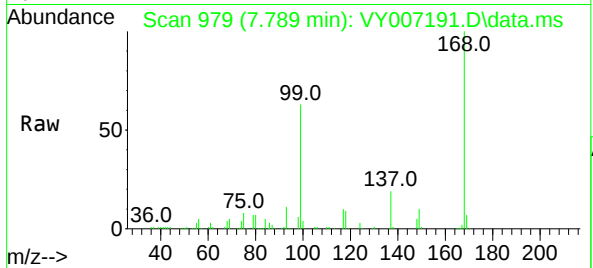




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

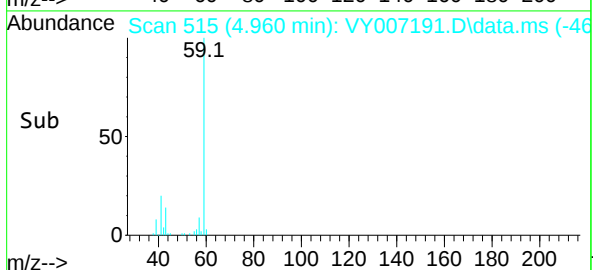
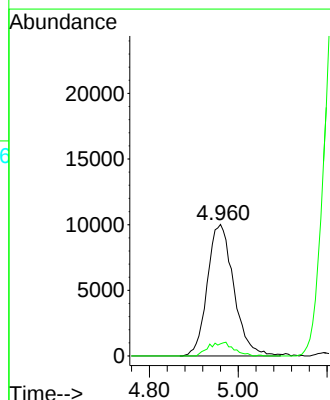
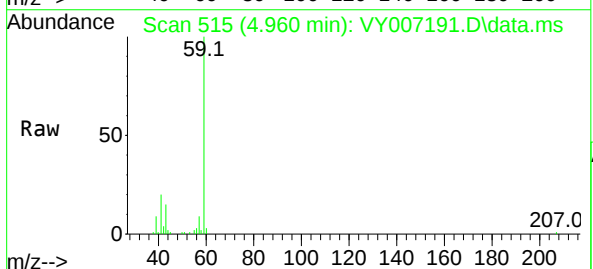
Instrument :
MSVOA_Y
ClientSampleId :
A3-2-5.5

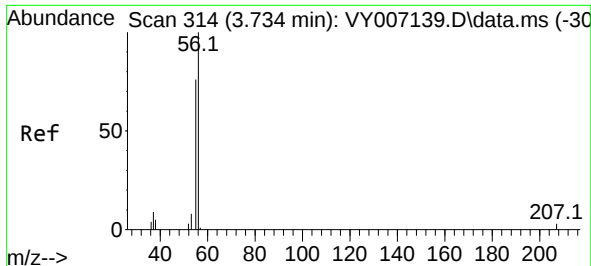
Tgt Ion:168 Resp: 111442
Ion Ratio Lower Upper
168 100
99 63.2 49.1 73.7



#11
Tert butyl alcohol
Concen: 356.765 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion: 59 Resp: 41357
Ion Ratio Lower Upper
59 100
57 9.7 8.1 12.1

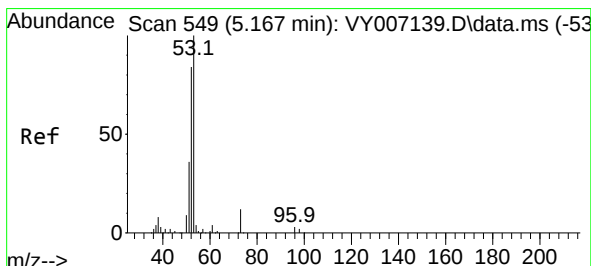
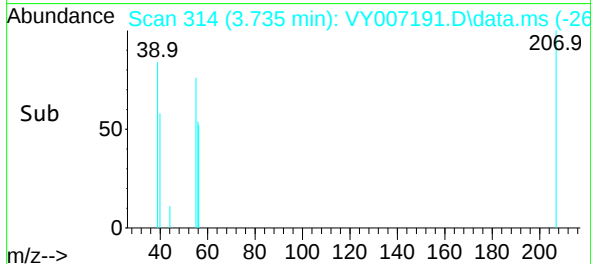
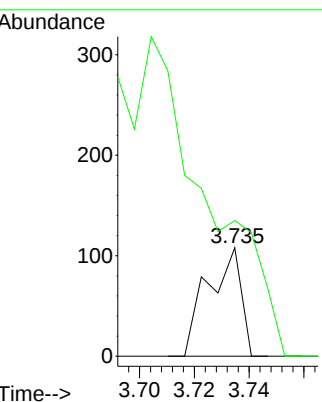
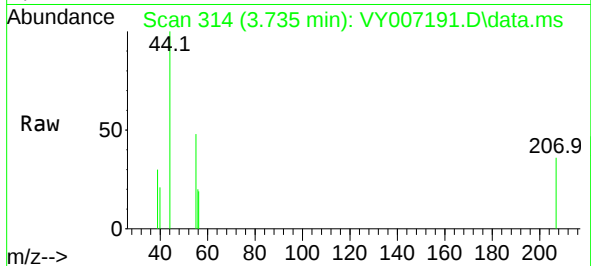




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. 0.001 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

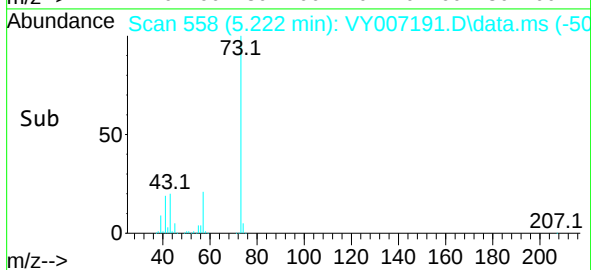
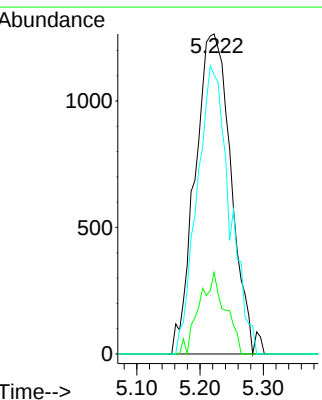
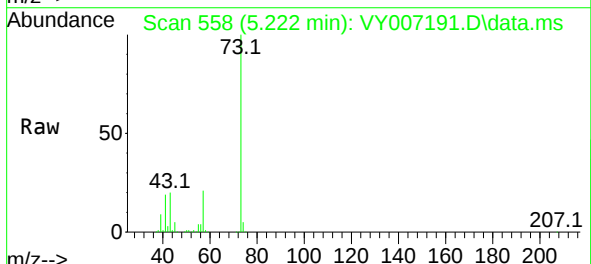
Instrument :
MSVOA_Y
ClientSampleId :
A3-2-5.5

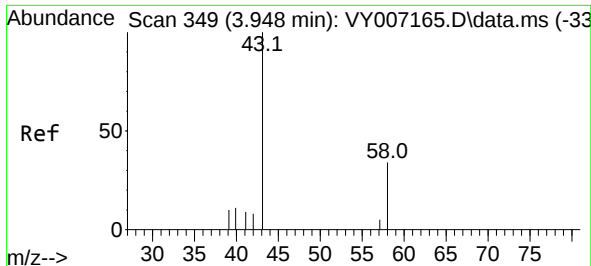
Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#15
Acrylonitrile
Concen: 14.704 ug/l
RT: 5.222 min Scan# 558
Delta R.T. 0.055 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion: 53 Resp: 5002
Ion Ratio Lower Upper
53 100
52 18.4 65.4 98.2#
51 81.5 29.4 44.2#





#16

Acetone

Concen: 46.101 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY007191.D

Acq: 17 Jan 2022 16:50

Instrument :

MSVOA_Y

ClientSampleId :

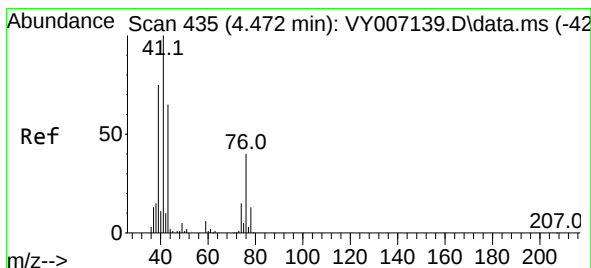
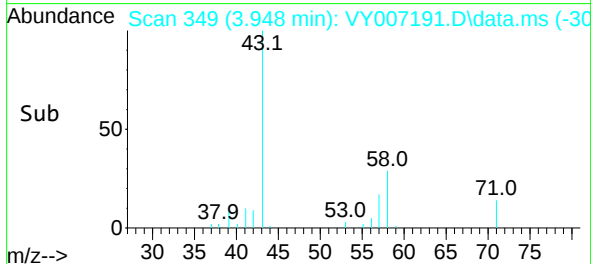
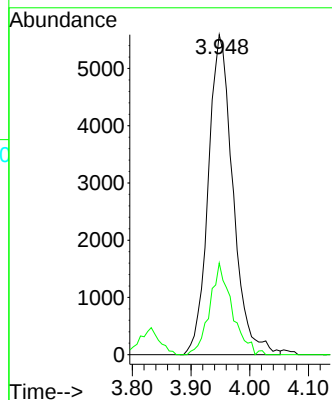
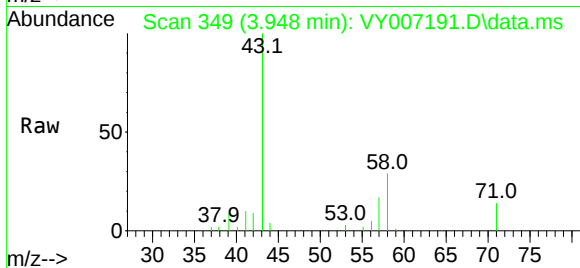
A3-2-5.5

Tgt Ion: 43 Resp: 16360

Ion Ratio Lower Upper

43 100

58 28.7 23.8 35.6



#18

Methyl Acetate

Concen: 1.543 ug/l

RT: 4.479 min Scan# 436

Delta R.T. 0.006 min

Lab File: VY007191.D

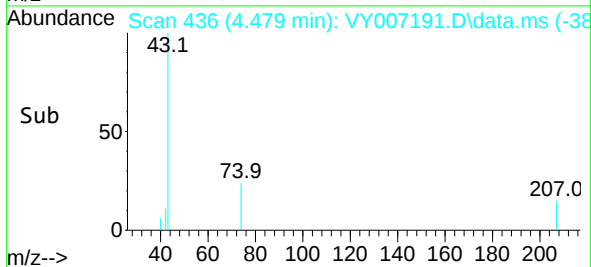
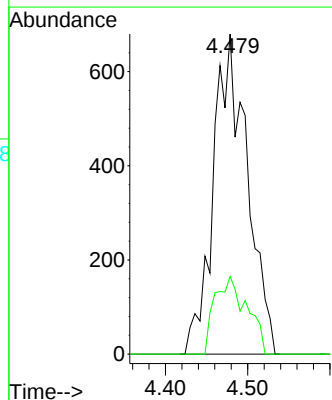
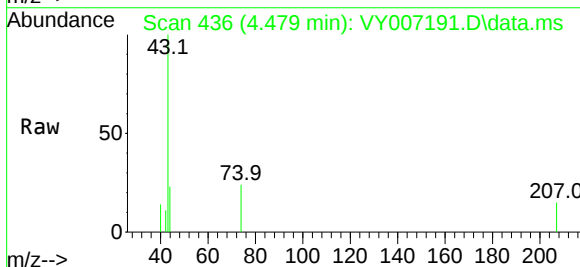
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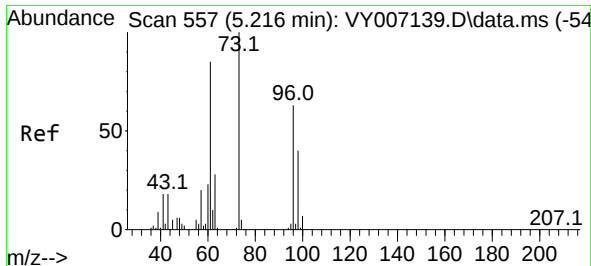
Tgt Ion: 43 Resp: 1948

Ion Ratio Lower Upper

43 100

74 23.0 20.9 31.3

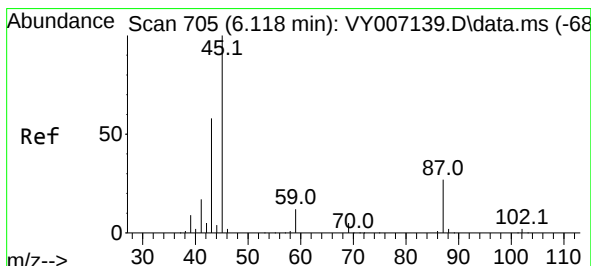
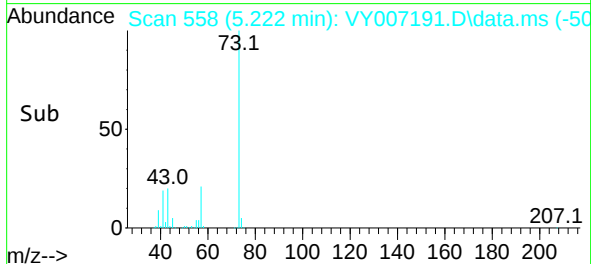
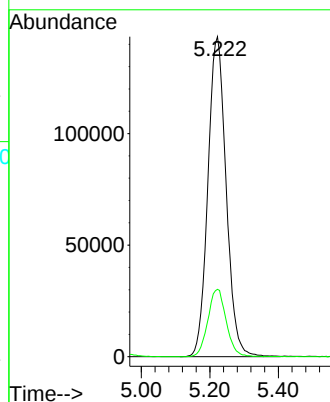
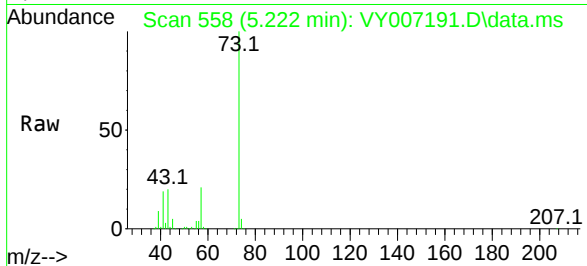




#19
Methyl tert-butyl Ether
Concen: 213.726 ug/l
RT: 5.222 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

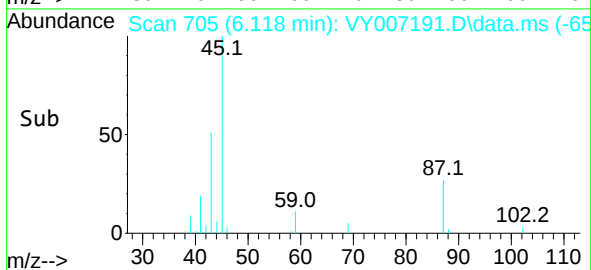
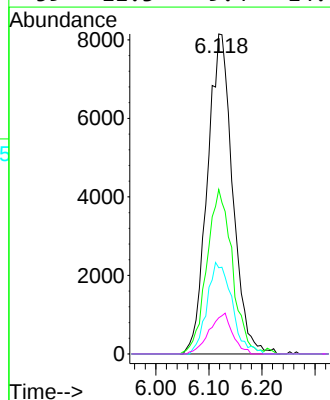
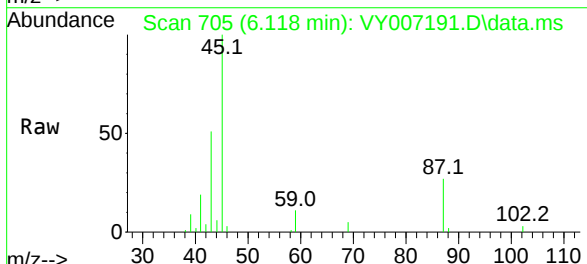
Instrument :
MSVOA_Y
ClientSampleId :
A3-2-5.5

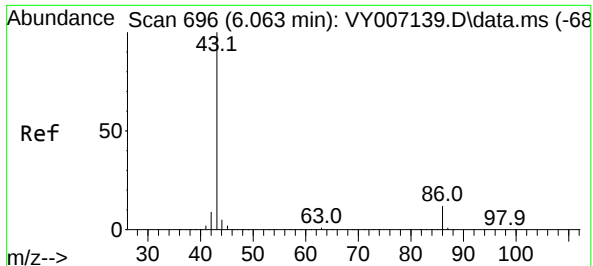
Tgt Ion: 73 Resp: 530596
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.2



#22
Diisopropyl ether
Concen: 6.573 ug/l
RT: 6.118 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion: 45 Resp: 26924
Ion Ratio Lower Upper
45 100
43 51.4 45.6 68.4
87 27.0 22.2 33.2
59 11.3 9.4 14.0

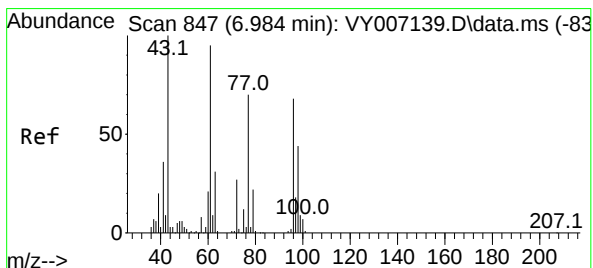
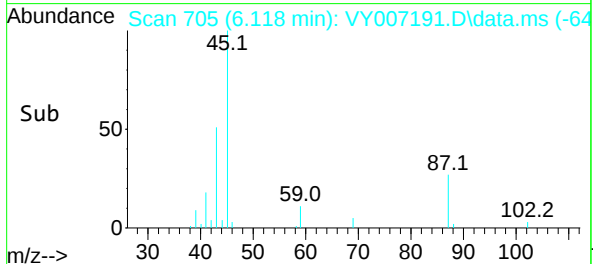
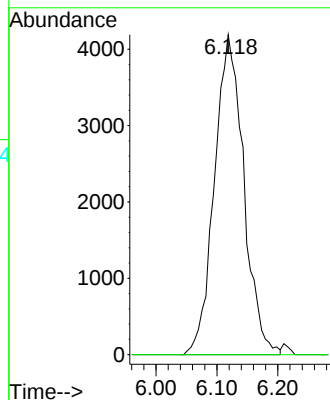
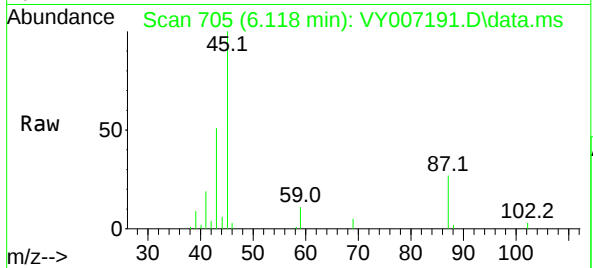




#23
 Vinyl Acetate
 Concen: 5.803 ug/l
 RT: 6.118 min Scan# 705
 Delta R.T. 0.055 min
 Lab File: VY007191.D
 Acq: 17 Jan 2022 16:50

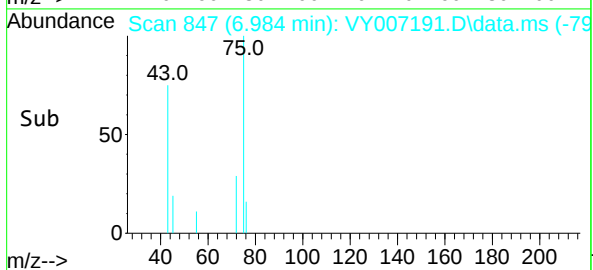
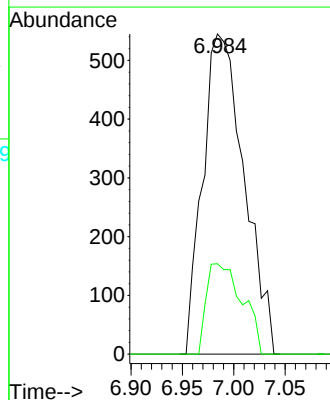
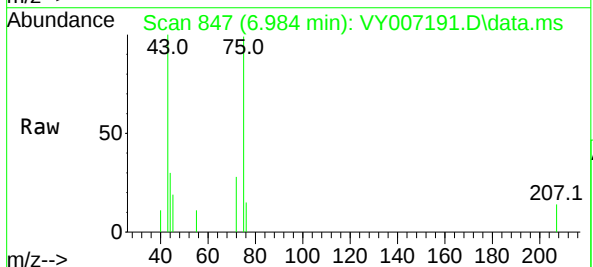
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 A3-2-5.5

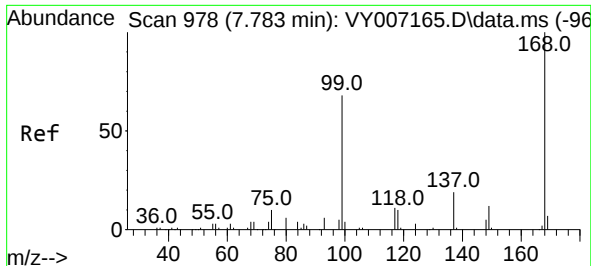
Tgt Ion: 43 Resp: 13980
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.0 13.6#



#25
 2-Butanone
 Concen: 3.322 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY007191.D
 Acq: 17 Jan 2022 16:50

Tgt Ion: 43 Resp: 1524
 Ion Ratio Lower Upper
 43 100
 72 28.3 21.9 32.9

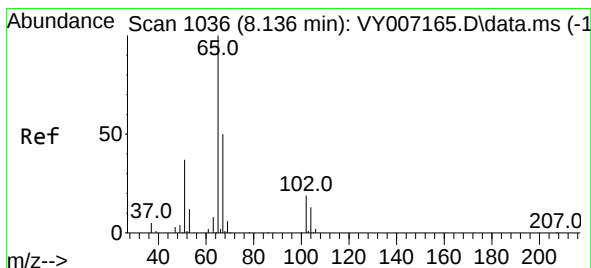
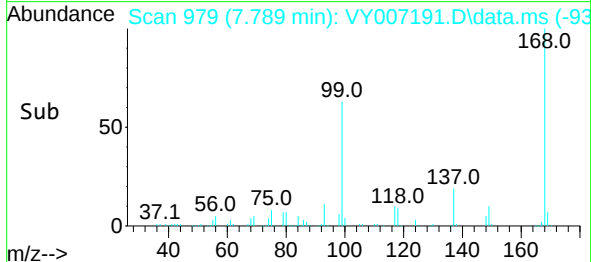
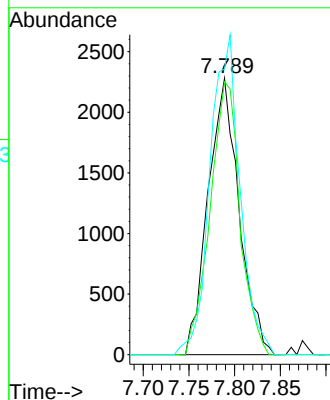
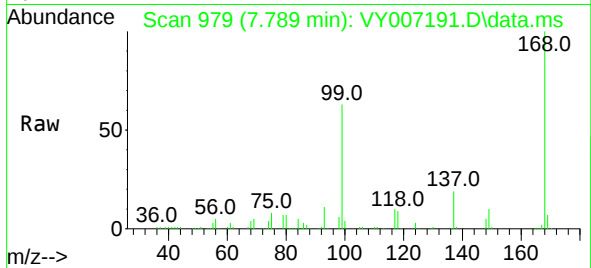




#31
Cyclohexane
Concen: 2.325 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

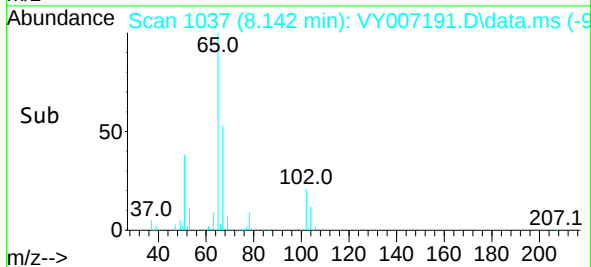
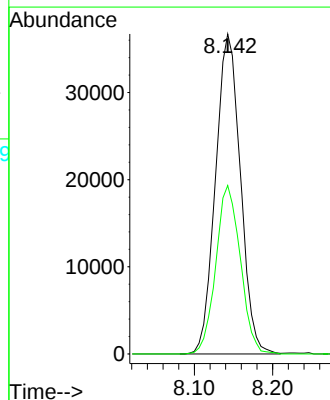
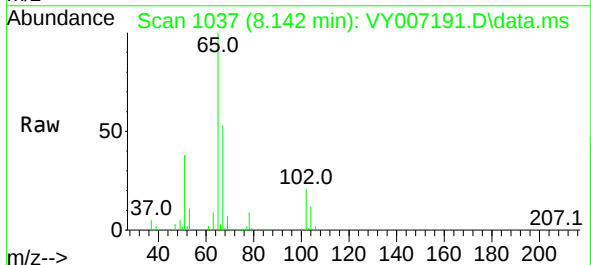
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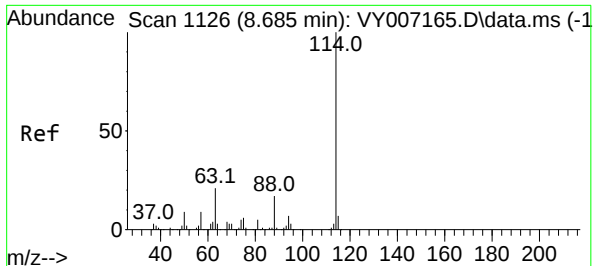
Tgt Ion: 56 Resp: 5374
Ion Ratio Lower Upper
56 100
69 98.7 27.2 40.8#
84 103.4 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 59.277 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion: 65 Resp: 81056
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6

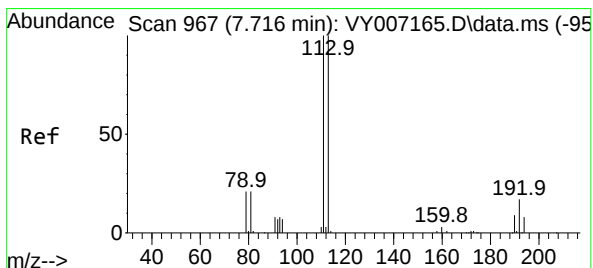
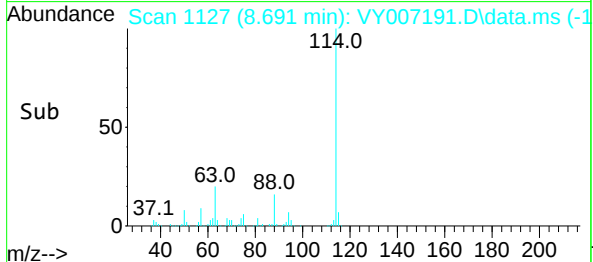
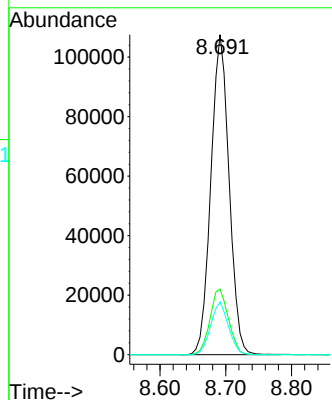
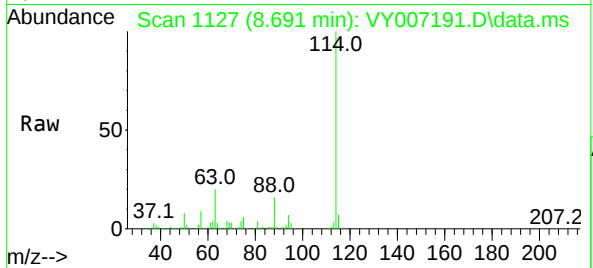




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

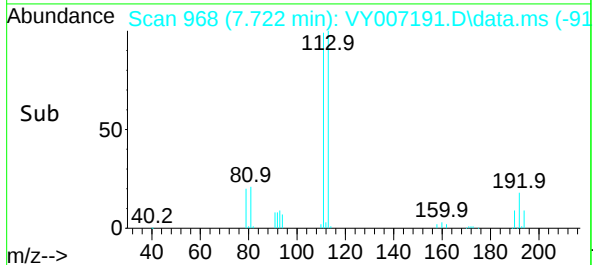
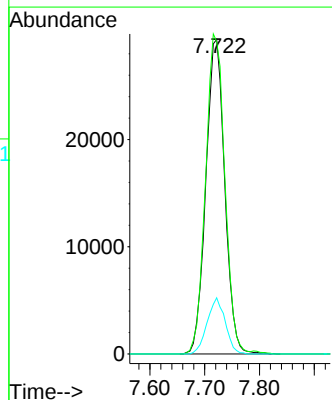
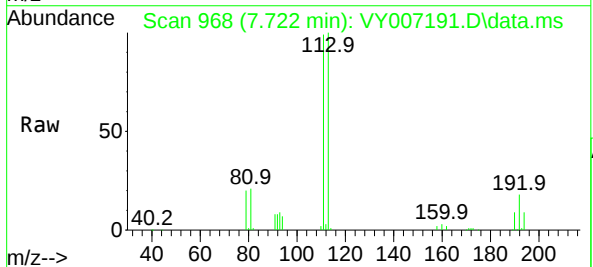
Instrument :
MSVOA_Y
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A3-2-5.5

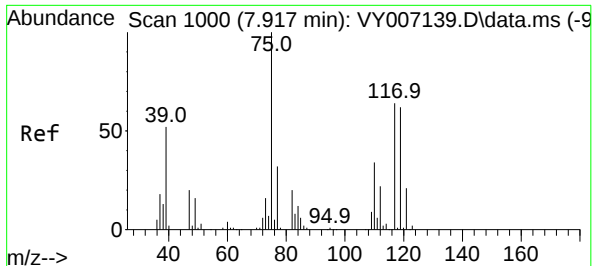
Tgt Ion:114 Resp: 206649
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.2
88 16.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 50.120 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion:113 Resp: 70034
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 17.1 14.2 21.4

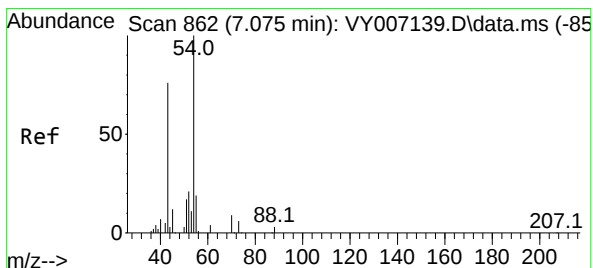
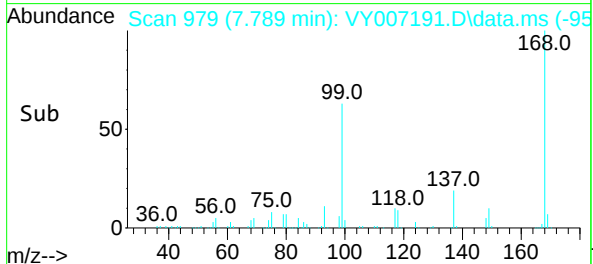
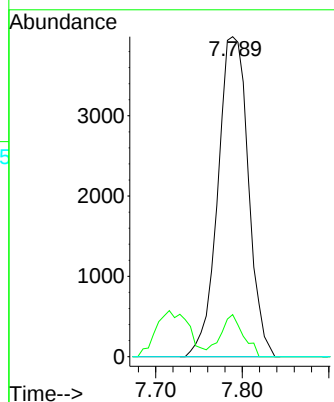
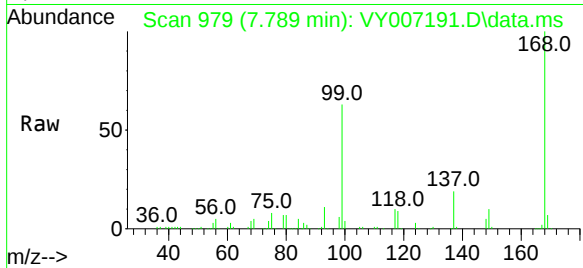




#36
 1,1-Dichloropropene
 Concen: 4.356 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY007191.D
 Acq: 17 Jan 2022 16:50

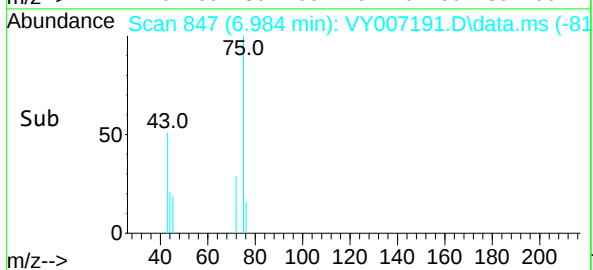
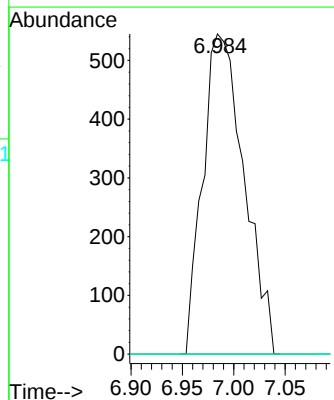
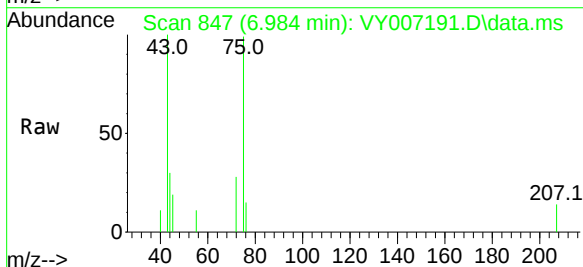
Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-2-5.5

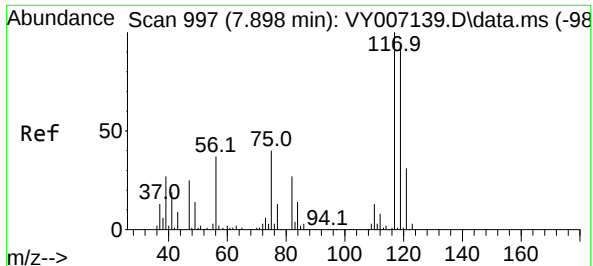
Tgt Ion: 75 Resp: 9722
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.3 51.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.331 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. -0.091 min
 Lab File: VY007191.D
 Acq: 17 Jan 2022 16:50

Tgt Ion: 43 Resp: 1524
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.8#
 70 0.0 9.0 13.4#

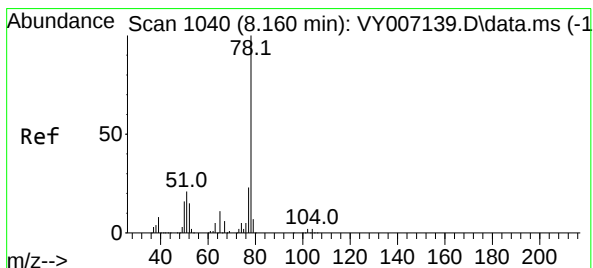
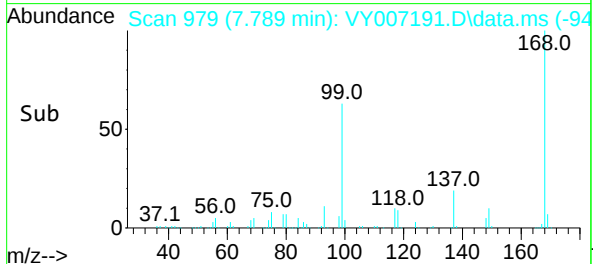
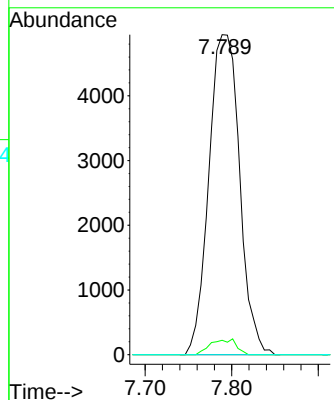
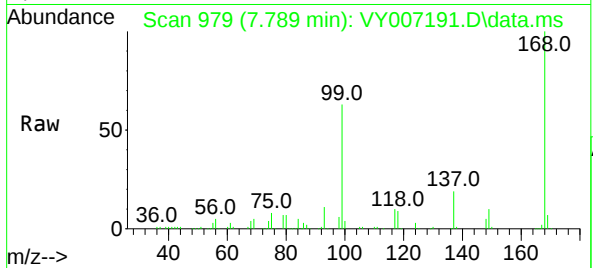




#38
Carbon Tetrachloride
Concen: 5.198 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

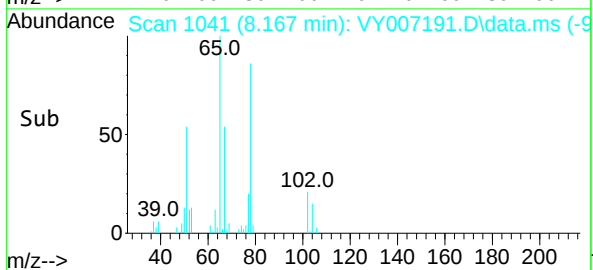
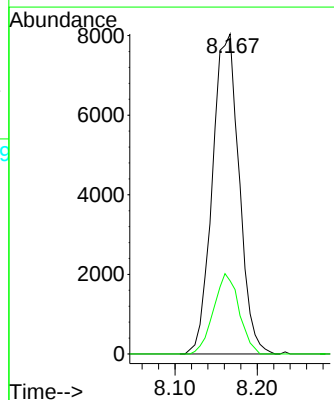
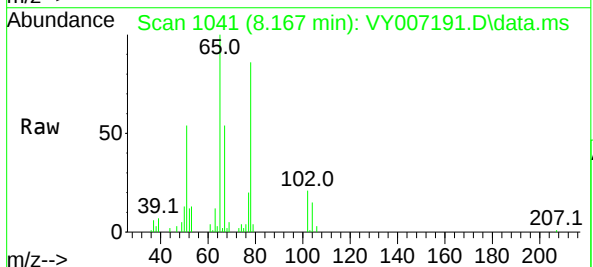
Instrument :
MSVOA_Y
ClientSampleId :
A3-2-5.5

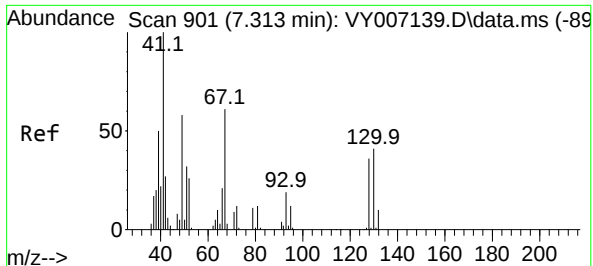
Tgt Ion:117 Resp: 12201
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 3.050 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion: 78 Resp: 18155
Ion Ratio Lower Upper
78 100
77 22.9 18.6 27.8

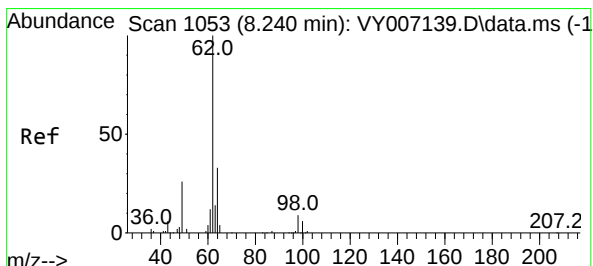
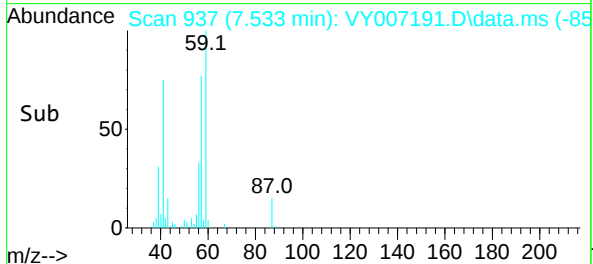
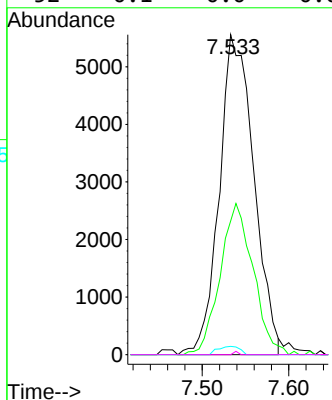
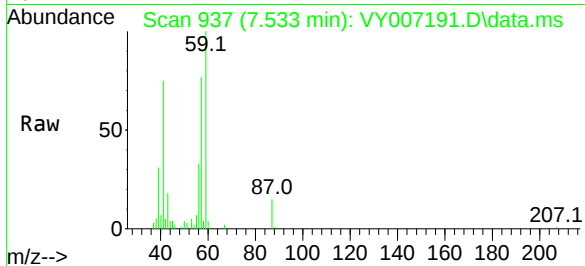




#41
Methacrylonitrile
Concen: 23.309 ug/l
RT: 7.533 min Scan# 91
Delta R.T. 0.220 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

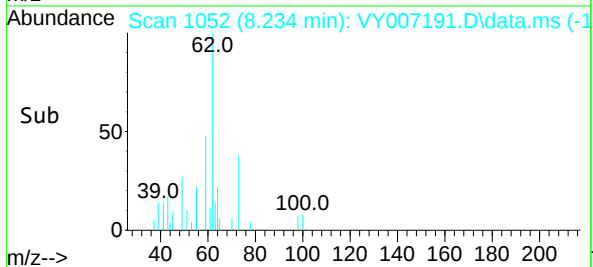
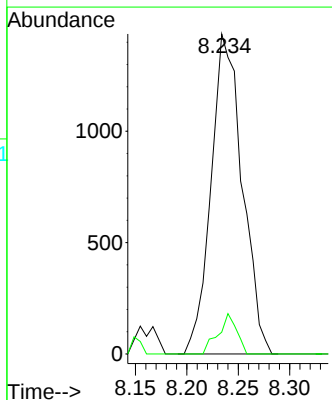
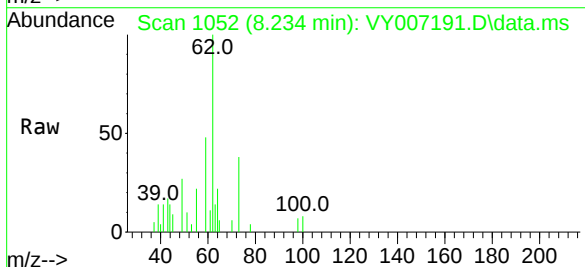
Instrument :
MSVOA_Y
ClientSampleId :
A3-2-5.5

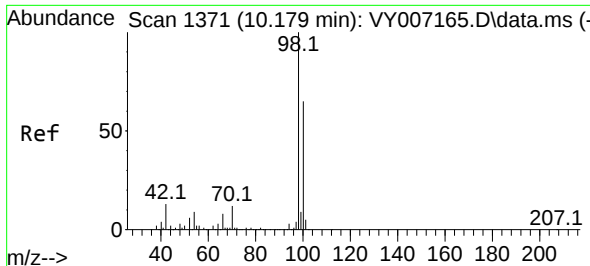
Tgt Ion:	41	Resp:	15373
Ion	Ratio	Lower	Upper
41	100		
39	44.9	0.0	0.0#
67	1.6	0.0	0.0#
52	0.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 1.622 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion:	62	Resp:	3040
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	19.2

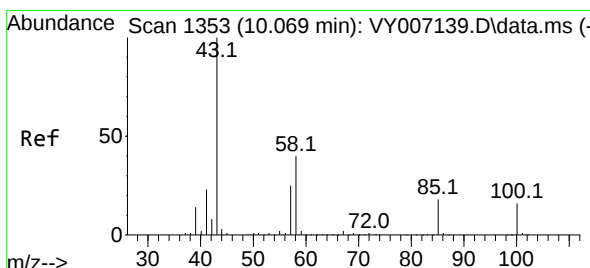
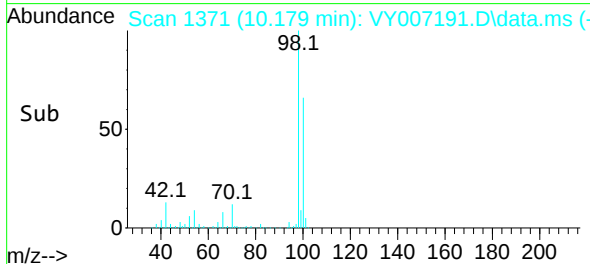
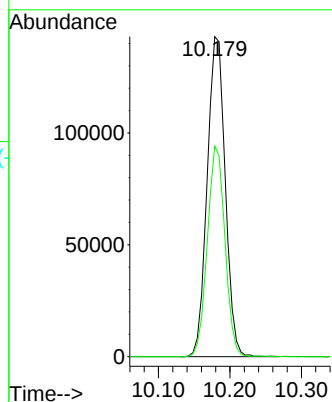
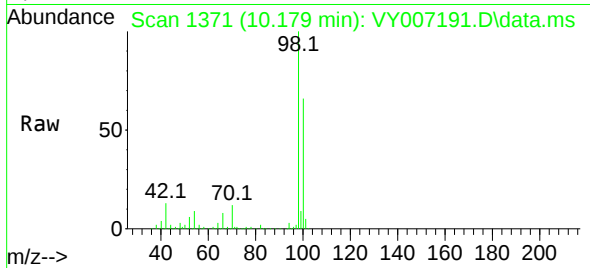




#50
Toluene-d8
Concen: 49.157 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

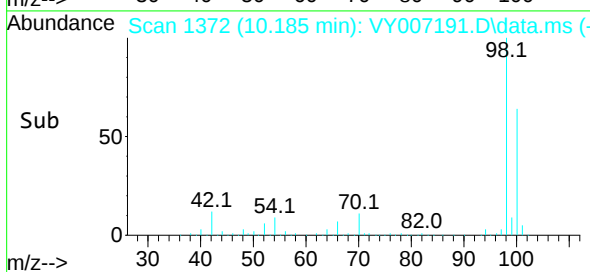
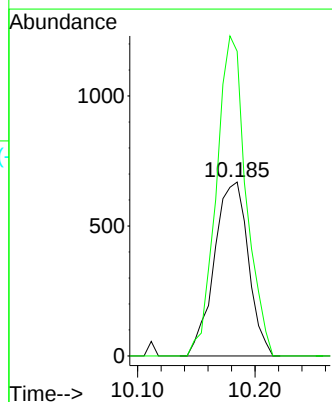
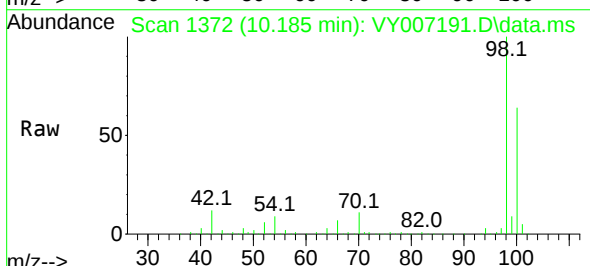
Instrument :
MSVOA_Y
ClientSampleId :
A3-2-5.5

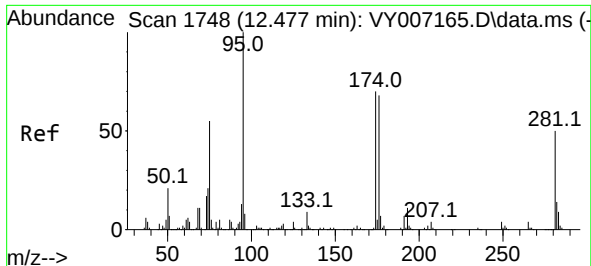
Tgt Ion: 98 Resp: 250984
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.190 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
58 161.9 32.8 49.2#

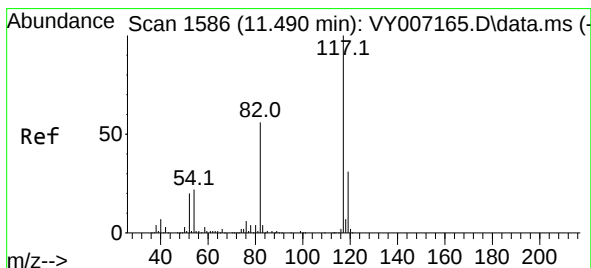
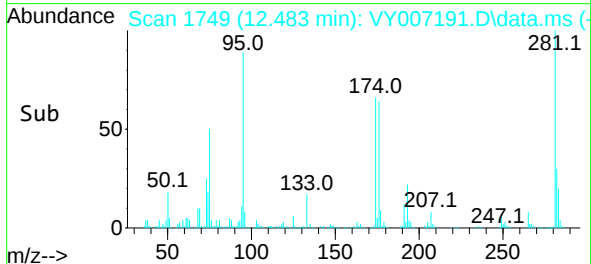
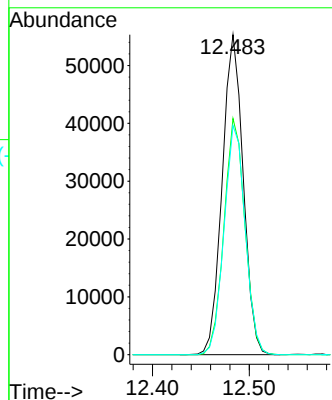
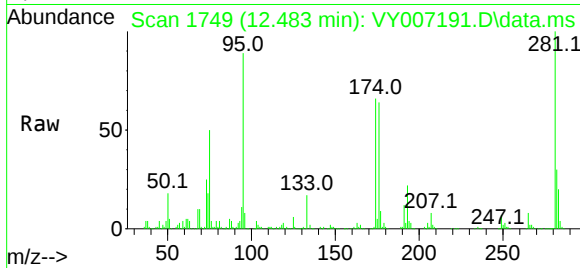




#62
4-Bromofluorobenzene
Concen: 45.813 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

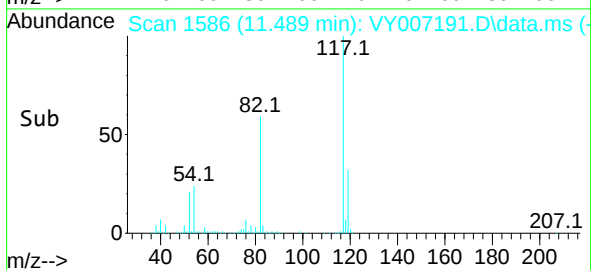
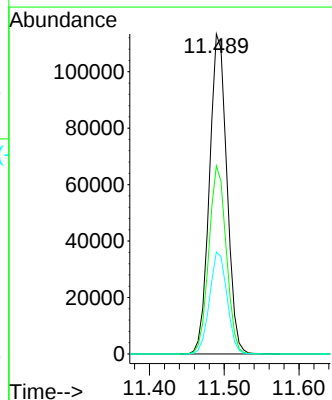
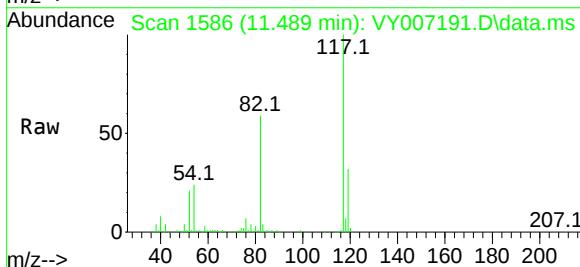
Instrument :
MSVOA_Y
ClientSampleId :
A3-2-5.5

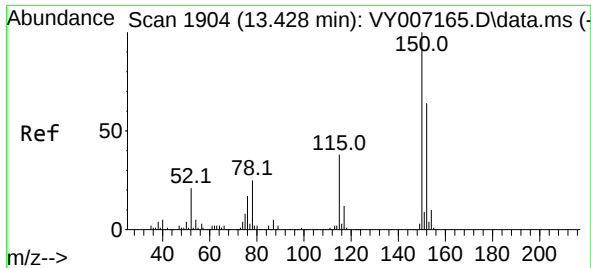
Tgt Ion: 95 Resp: 83206
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.4
176 72.3 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion: 117 Resp: 183445
Ion Ratio Lower Upper
117 100
82 58.8 45.4 68.0
119 31.8 26.4 39.6

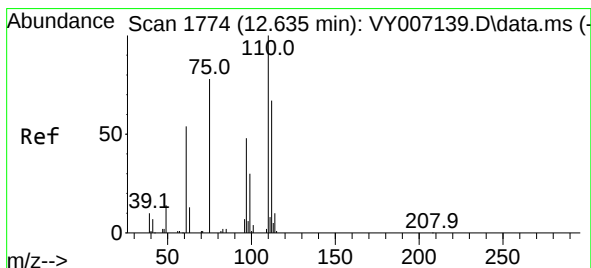
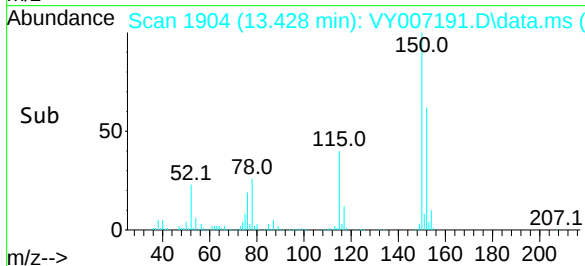
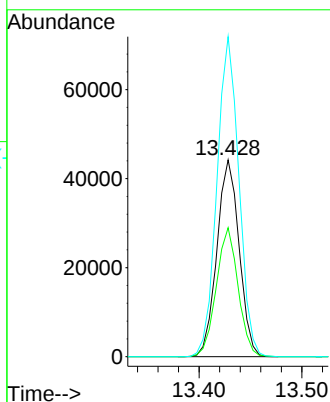
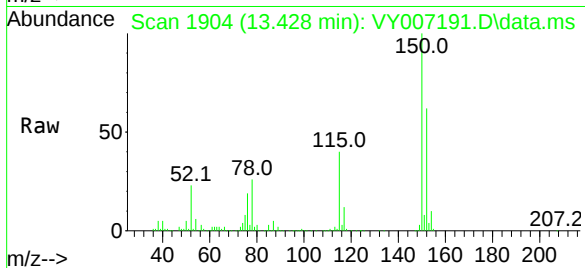




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY007191.D
 Acq: 17 Jan 2022 16:50

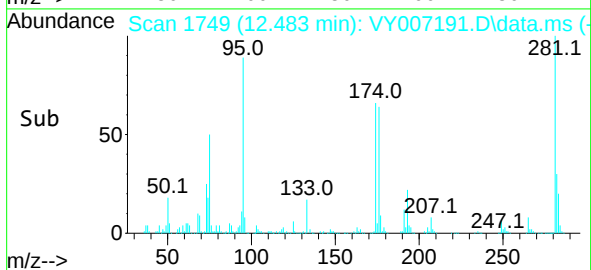
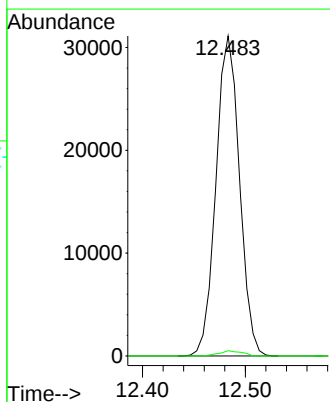
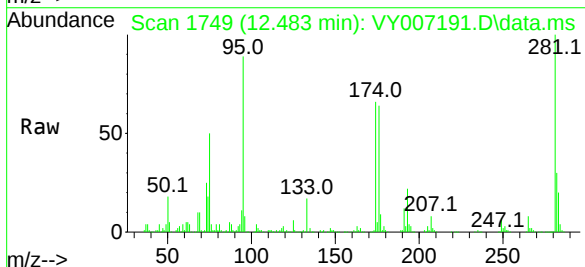
Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-2-5.5

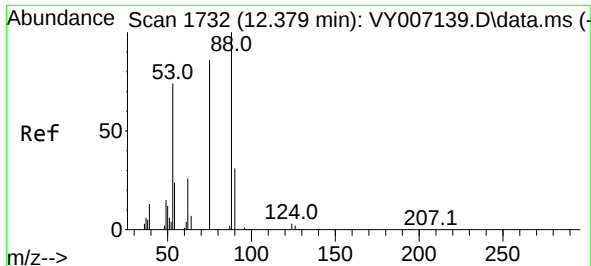
Tgt Ion:152 Resp: 66322
 Ion Ratio Lower Upper
 152 100
 115 64.3 31.4 94.0
 150 160.5 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 65.312 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007191.D
 Acq: 17 Jan 2022 16:50

Tgt Ion: 75 Resp: 49392
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

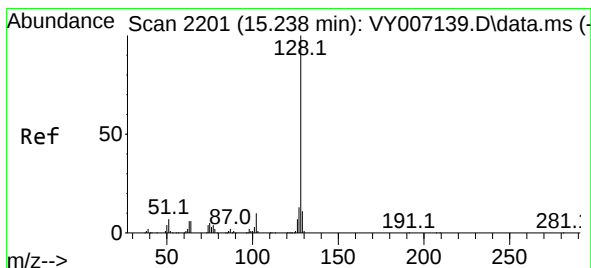
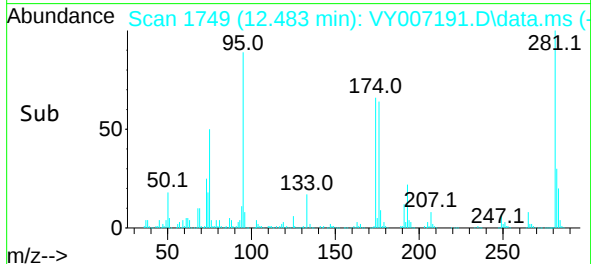
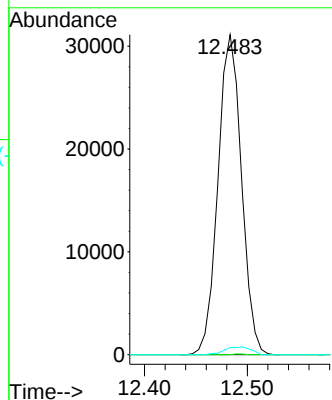
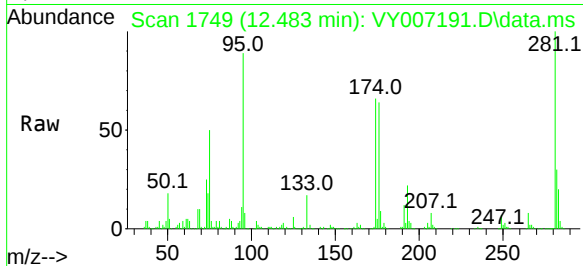




#81
trans-1,4-Dichloro-2-butene
Concen: 119.568 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Instrument :
MSVOA_Y
ClientSampleId :
A3-2-5.5

Tgt Ion: 75 Resp: 49392
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 2.7 0.0 0.0#



#95
Naphthalene
Concen: 1.087 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY007191.D
Acq: 17 Jan 2022 16:50

Tgt Ion:128 Resp: 3047
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 7.7 8.9 13.3#

