

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007859.D
 Acq On : 11 Mar 2022 17:00
 Operator : SY/MD
 Sample : N1864-04
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B2-030922-2-3

Quant Time: Mar 11 23:23:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

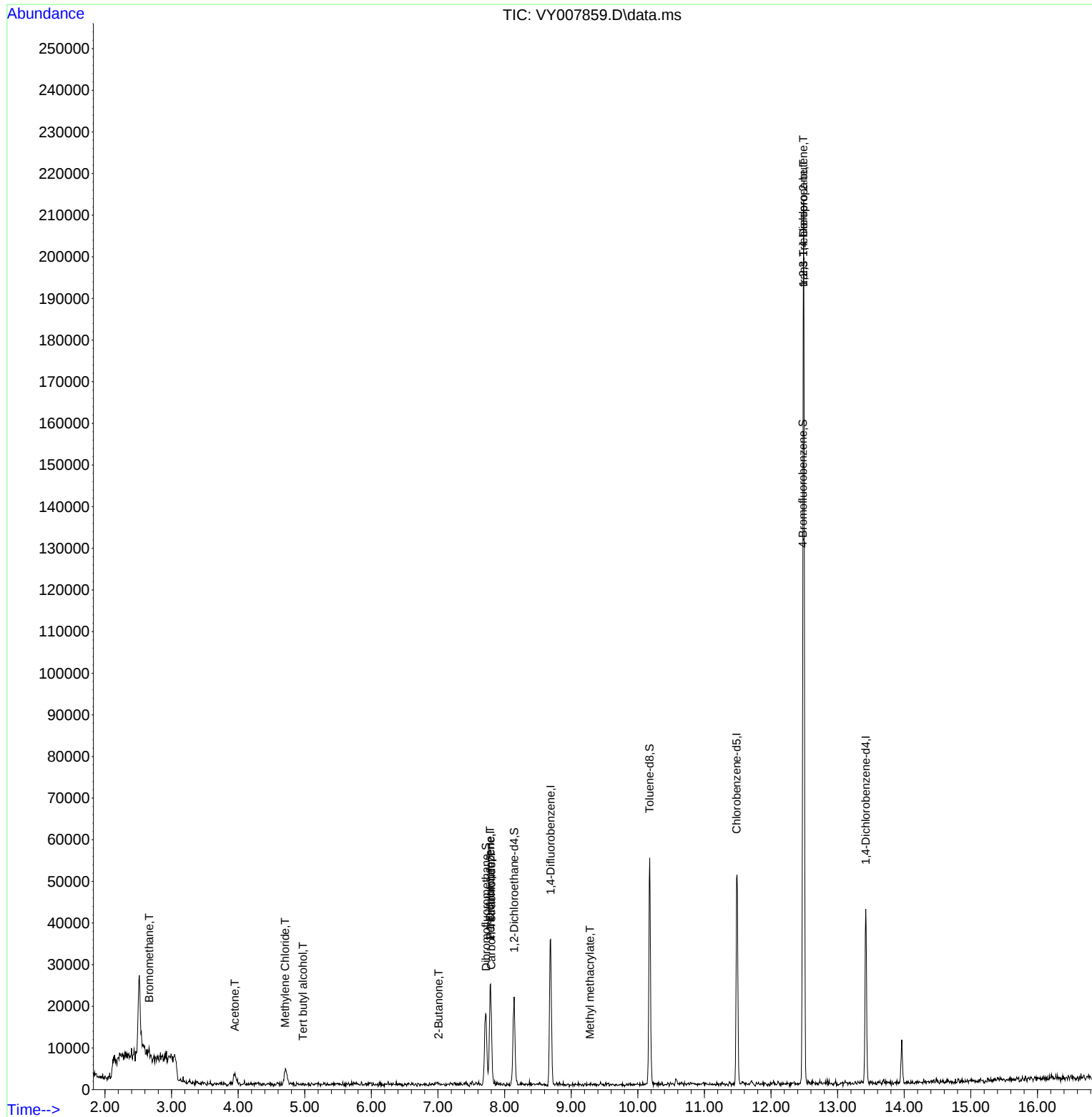
Internal Standards						
1) Pentafluorobenzene	7.789	168	17911	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	29534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	28035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	10154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	15169	80.896	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.800%	
35) Dibromofluoromethane	7.722	113	11786	62.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.840%	
50) Toluene-d8	10.179	98	34371	49.451	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	12.477	95	9500	42.402	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.800%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	536	Below Cal		97
5) Bromomethane	2.662	94	517	2.381	ug/l #	68
11) Tert butyl alcohol	4.972	59	41	2.525	ug/l #	77
13) Acrolein	3.741	56	20	Below Cal	#	14
16) Acetone	3.948	43	4250	111.417	ug/l	94
17) Carbon Disulfide	4.113	76	20	Below Cal	#	75
18) Methyl Acetate	4.478	43	577	Below Cal	#	56
20) Methylene Chloride	4.704	84	1371	3.439	ug/l #	59
25) 2-Butanone	7.008	43	194	3.032	ug/l #	54
31) Cyclohexane	7.777	56	399	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	1490	5.016	ug/l #	43
38) Carbon Tetrachloride	7.801	117	1775	5.602	ug/l #	11
48) Methyl methacrylate	9.282	41	142	1.080	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	7353	64.843	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7353	132.564	ug/l #	11

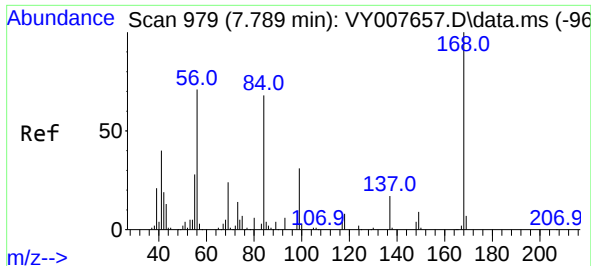
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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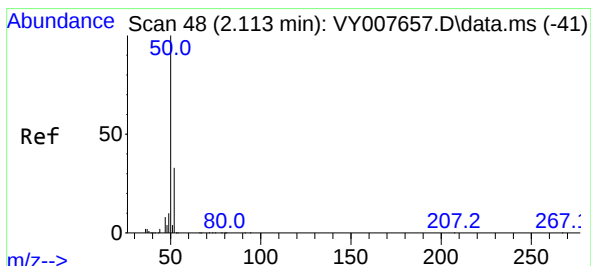
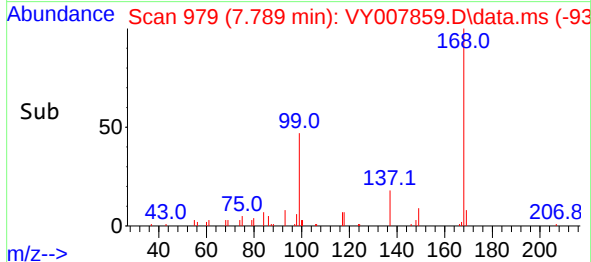
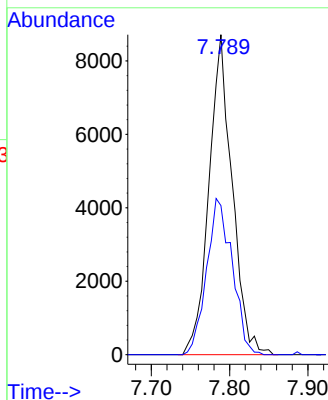
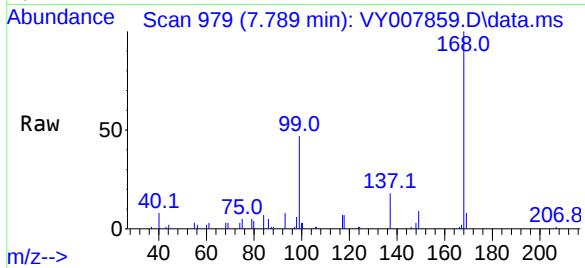




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

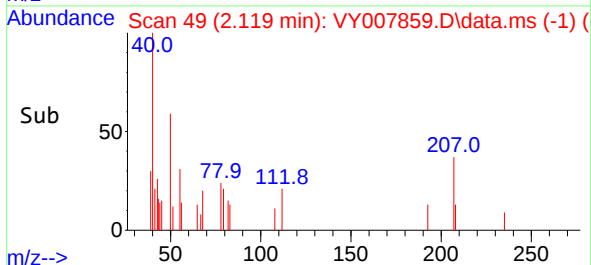
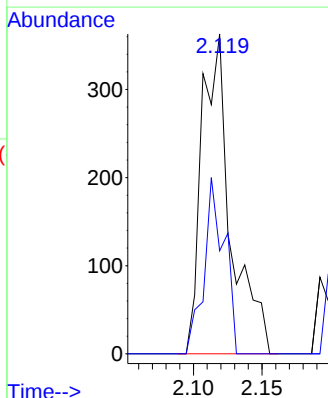
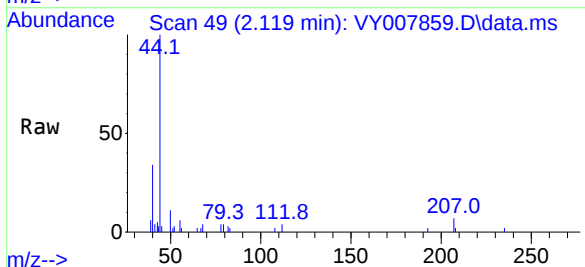
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

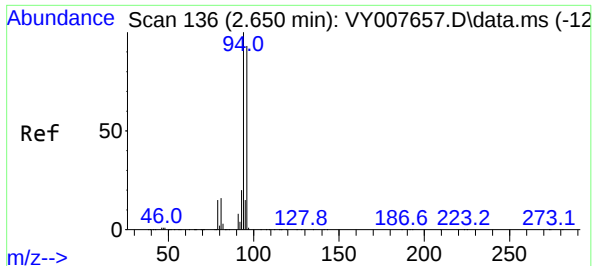
Tgt Ion:168 Resp: 17911
Ion Ratio Lower Upper
168 100
99 46.6 46.9 70.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 32.2 24.6 37.0

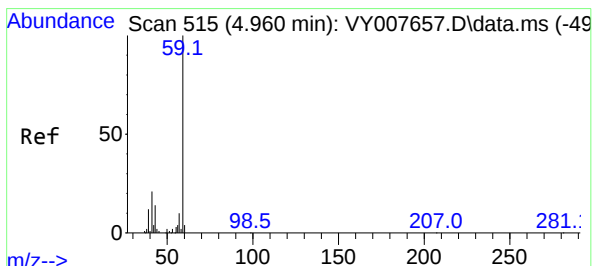
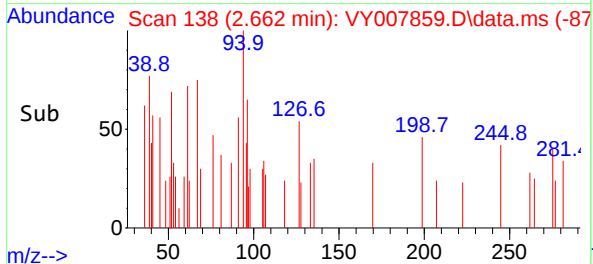
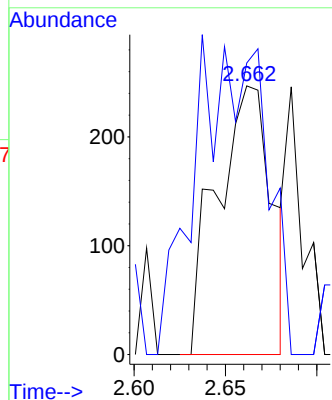
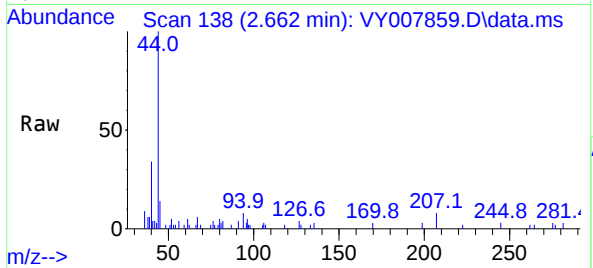




#5
Bromomethane
Concen: 2.381 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

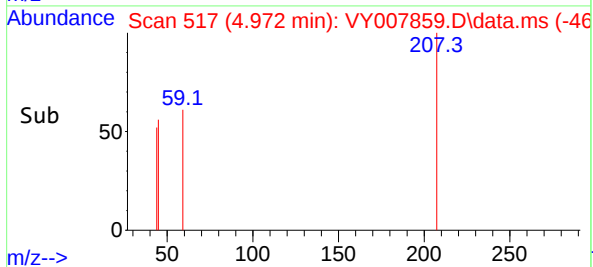
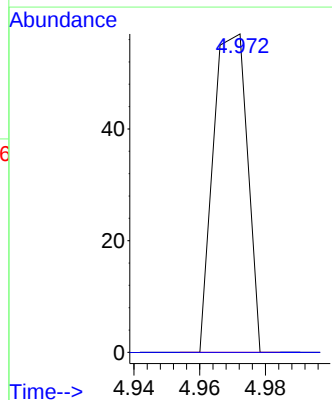
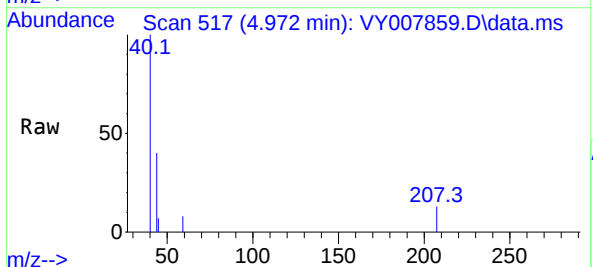
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

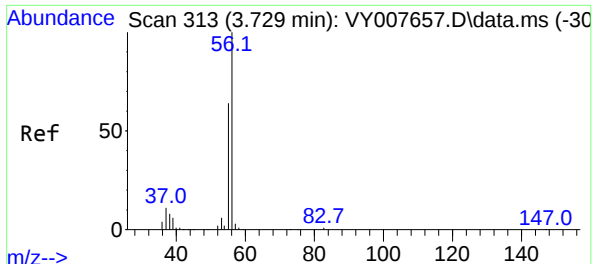
Tgt Ion: 94 Resp: 517
Ion Ratio Lower Upper
94 100
96 61.5 73.5 110.3#



#11
Tert butyl alcohol
Concen: 2.525 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

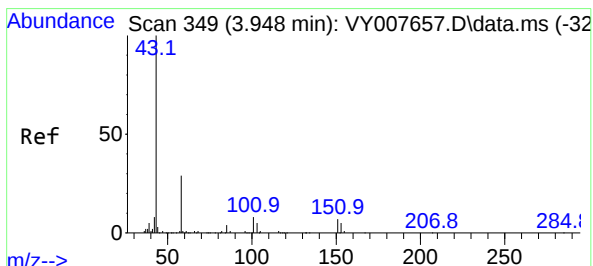
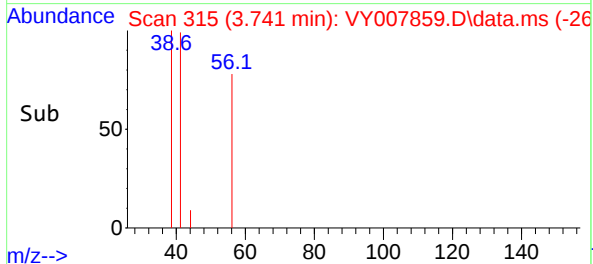
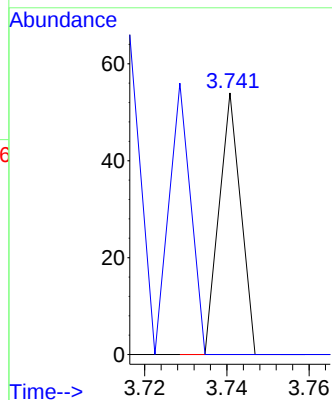
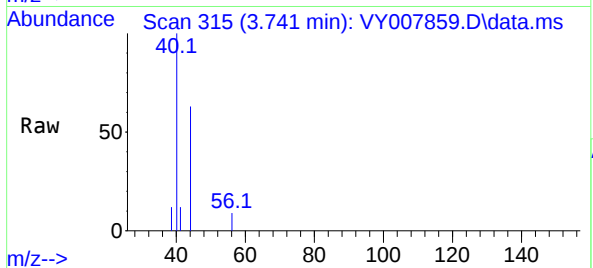




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

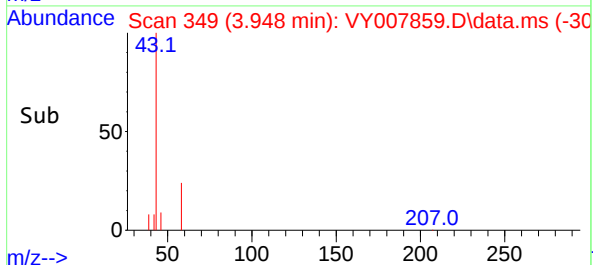
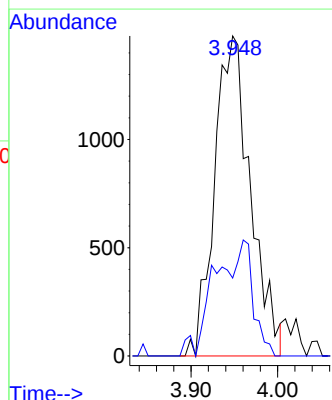
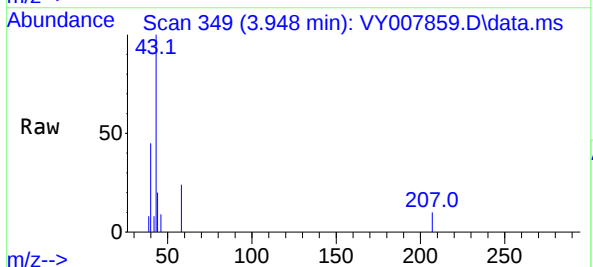
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

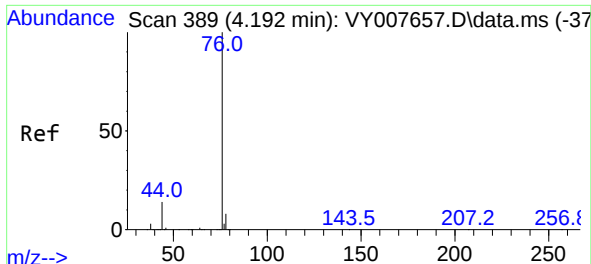
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 111.417 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion: 43 Resp: 4250
Ion Ratio Lower Upper
43 100
58 24.4 22.0 33.0

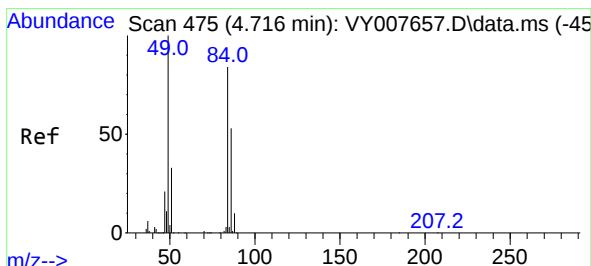
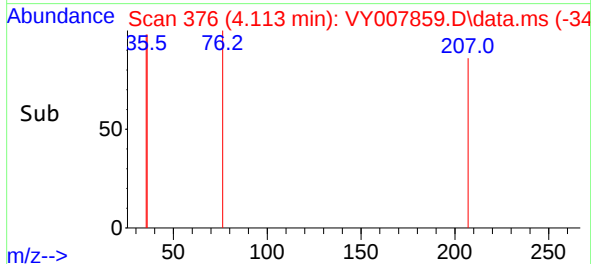
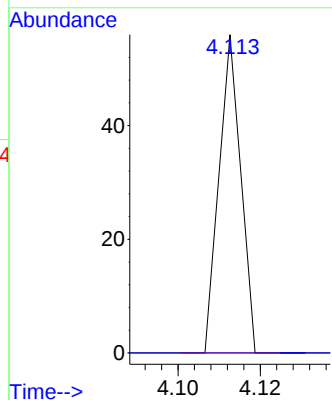
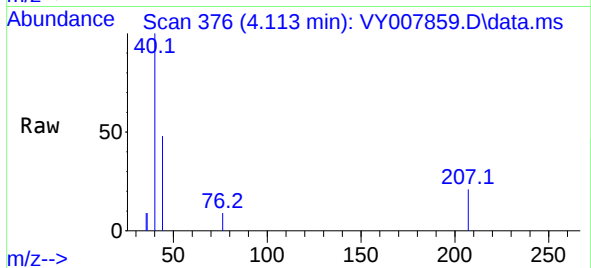




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.113 min Scan# 31
Delta R.T. -0.079 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

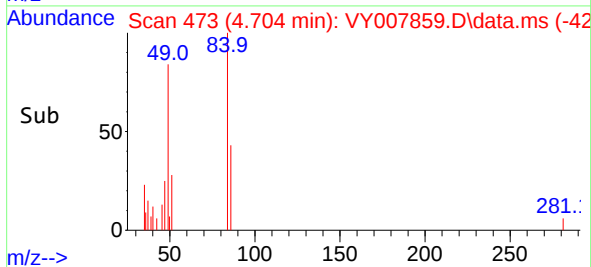
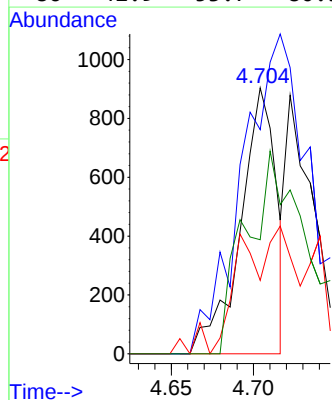
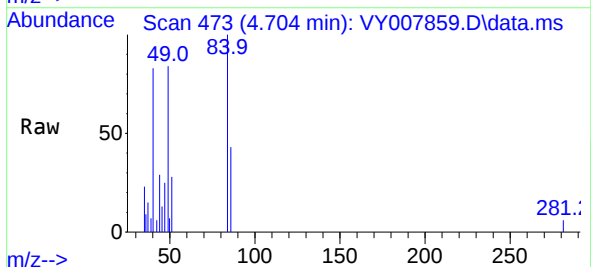
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

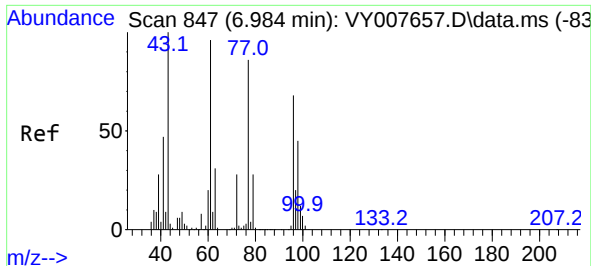
Tgt Ion: 76 Resp: 20
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 3.439 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion: 84 Resp: 1371
Ion Ratio Lower Upper
84 100
49 84.3 114.4 171.6#
51 21.9 35.3 52.9#
86 42.9 53.7 80.5#

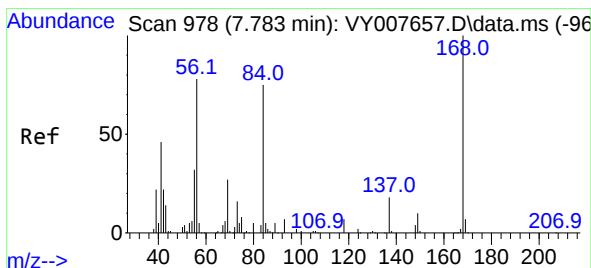
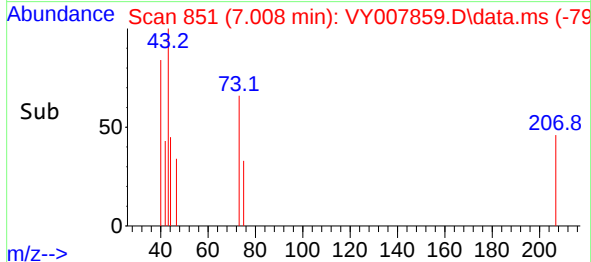
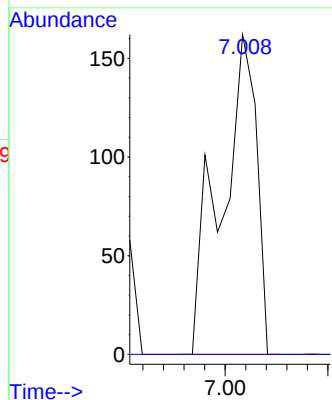
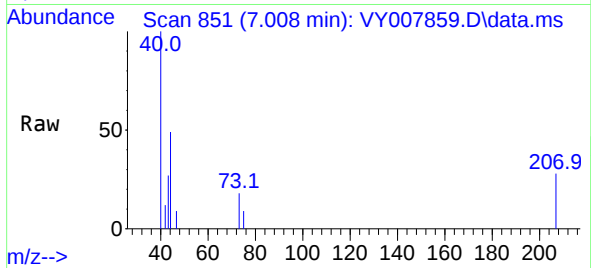




#25
2-Butanone
Concen: 3.032 ug/l
RT: 7.008 min Scan# 81
Delta R.T. 0.024 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

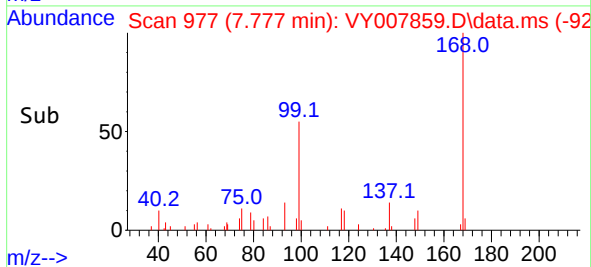
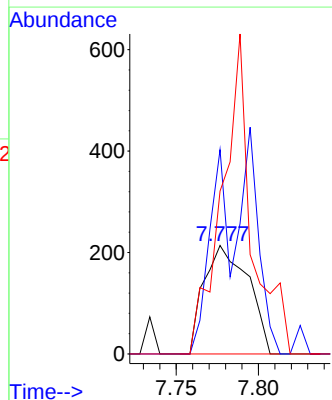
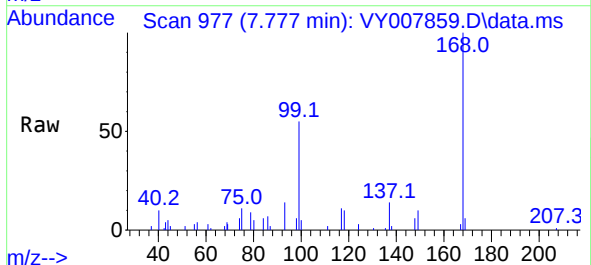
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

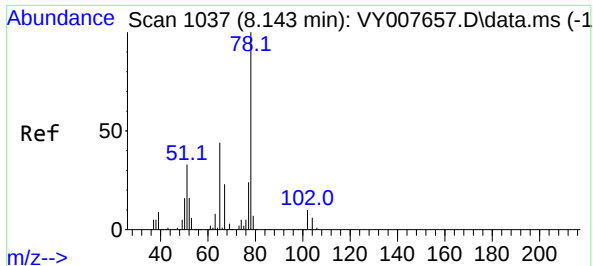
Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion: 56 Resp: 399
Ion Ratio Lower Upper
56 100
69 188.3 26.7 40.1#
84 150.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 80.896 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007859.D

Acq: 11 Mar 2022 17:00

Instrument :

MSVOA_Y

ClientSampleId :

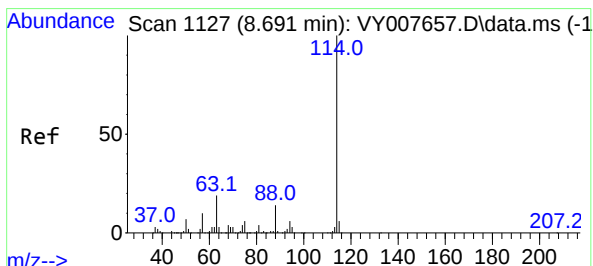
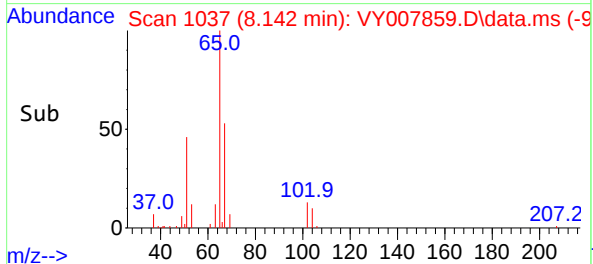
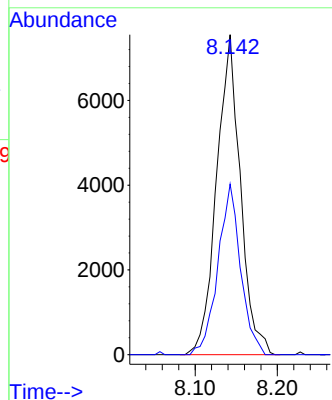
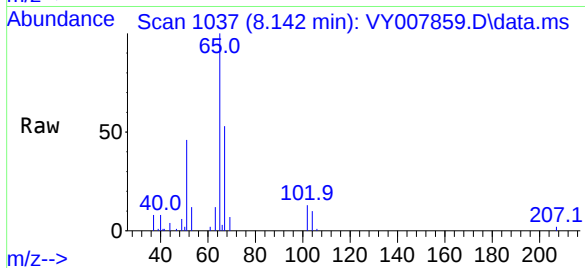
MB-B2-030922-2-3

Tgt Ion: 65 Resp: 15169

Ion Ratio Lower Upper

65 100

67 50.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007859.D

Acq: 11 Mar 2022 17:00

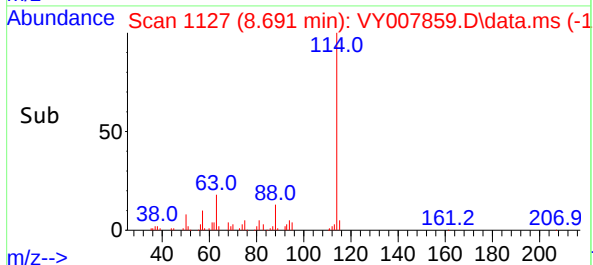
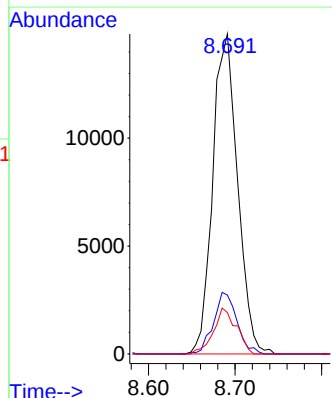
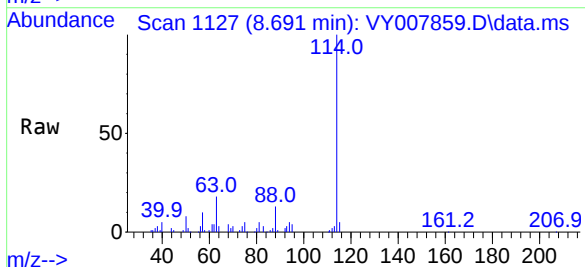
Tgt Ion: 114 Resp: 29534

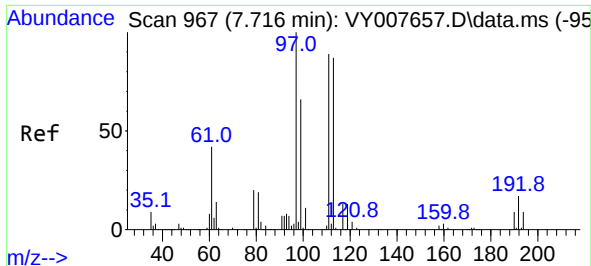
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 13.0 0.0 31.8

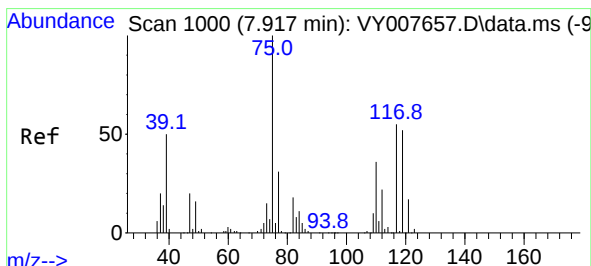
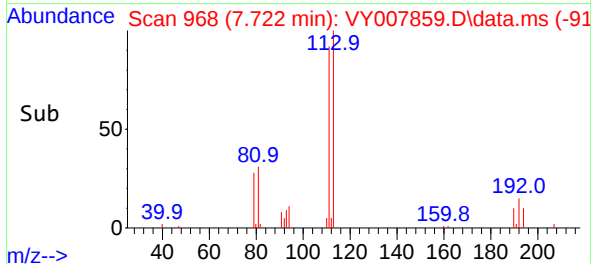
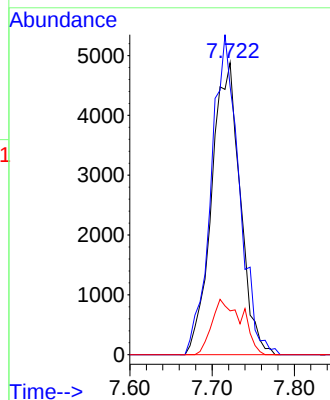
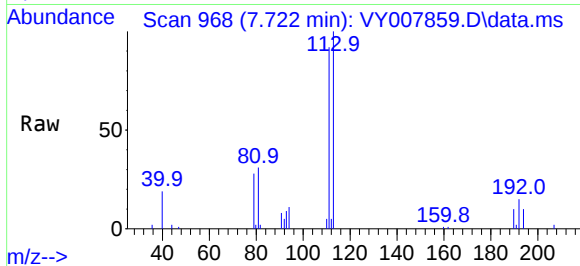




#35
Dibromofluoromethane
Concen: 62.419 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

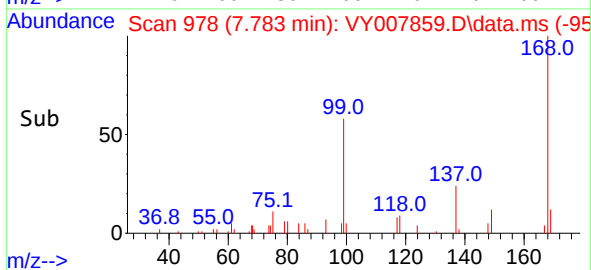
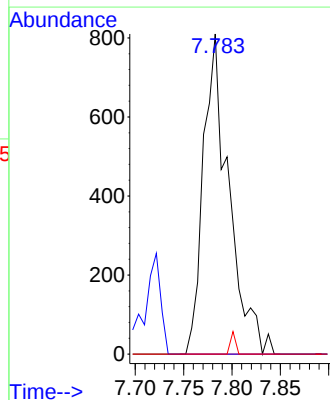
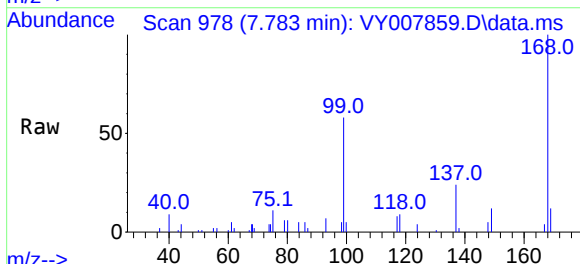
Instrument :
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MB-B2-030922-2-3

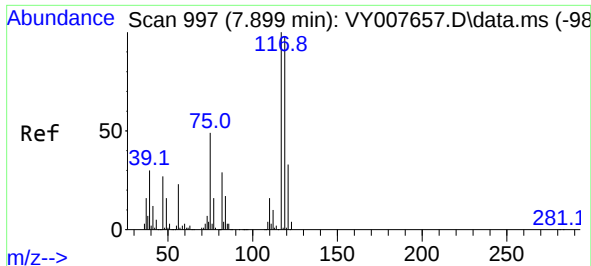
Tgt Ion:113 Resp: 11786
Ion Ratio Lower Upper
113 100
111 107.6 82.6 124.0
192 20.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.016 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

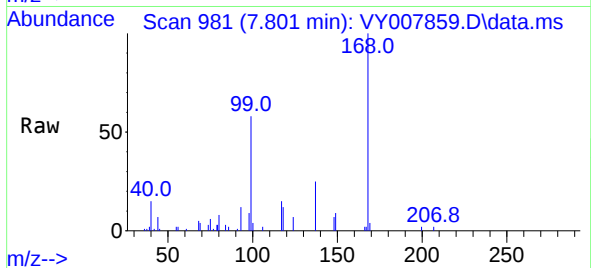
Tgt Ion: 75 Resp: 1490
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 1.4 24.4 36.6#



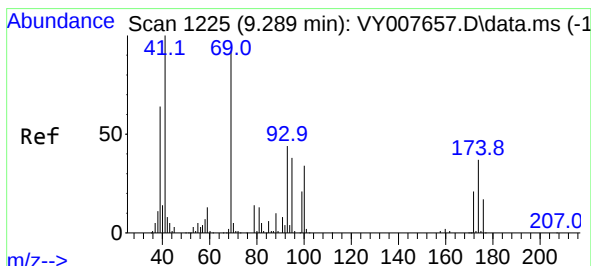
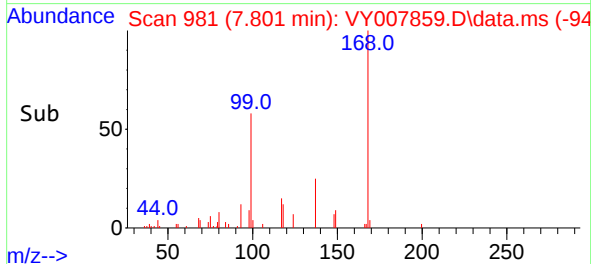
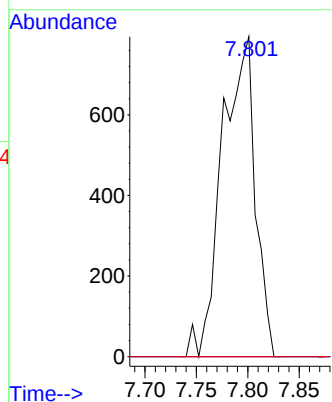


#38
Carbon Tetrachloride
Concen: 5.602 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

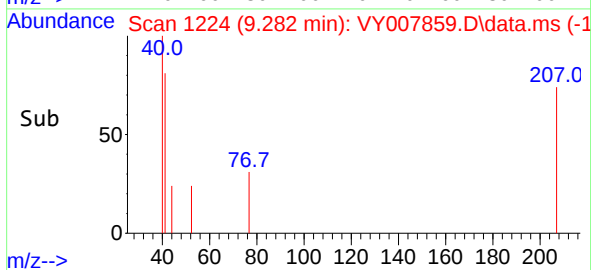
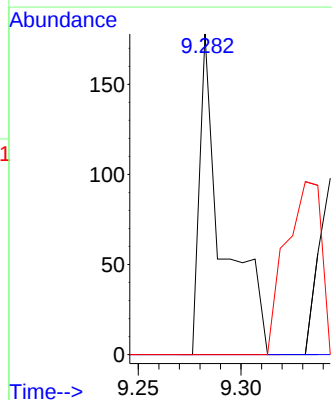
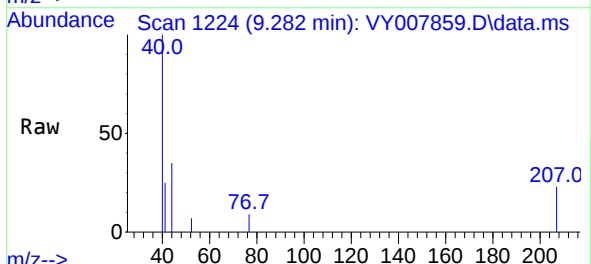


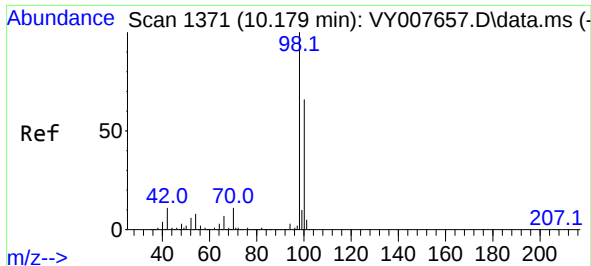
Tgt Ion:117 Resp: 1775
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 1.080 ug/l
RT: 9.282 min Scan# 1224
Delta R.T. -0.007 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion: 41 Resp: 142
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 0.0 47.4 71.0#

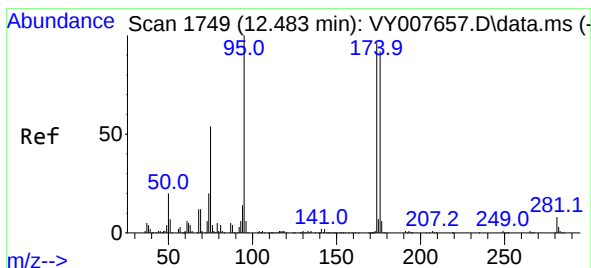
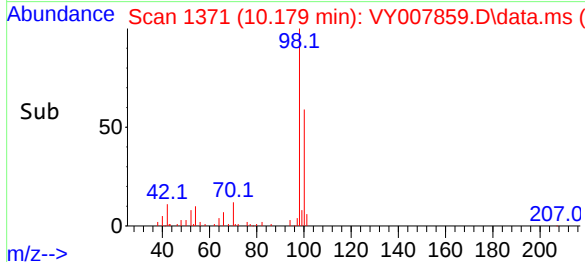
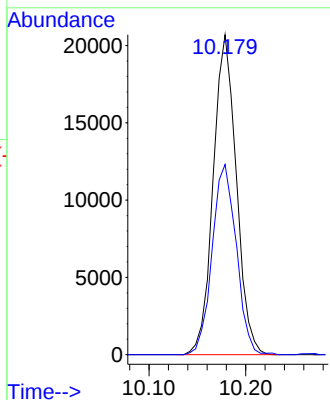
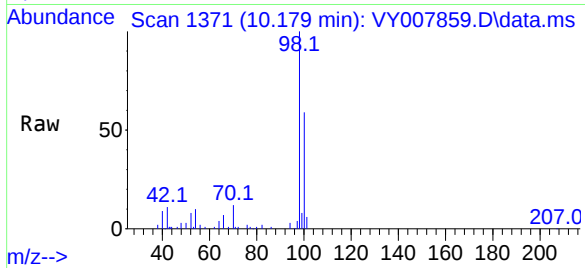




#50
Toluene-d8
Concen: 49.451 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

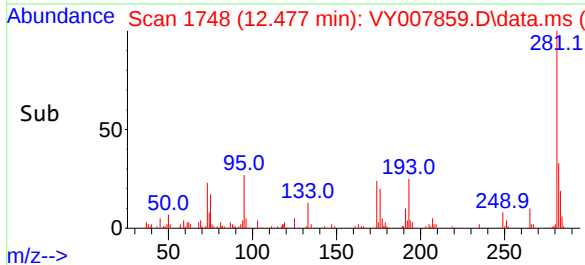
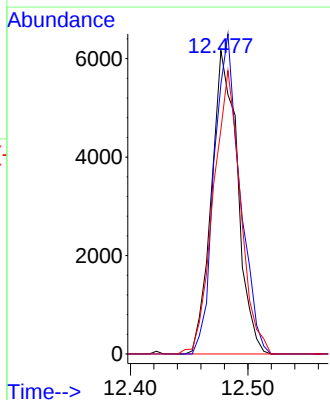
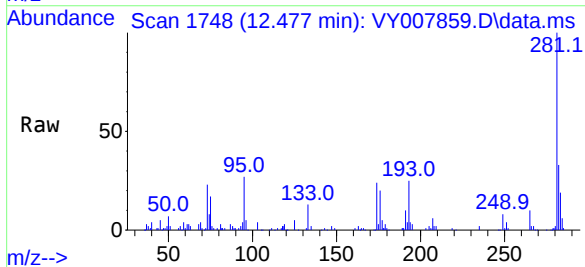
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

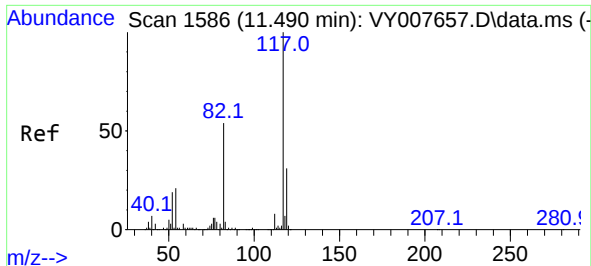
Tgt Ion: 98 Resp: 34371
Ion Ratio Lower Upper
98 100
100 62.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.402 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion: 95 Resp: 9500
Ion Ratio Lower Upper
95 100
174 103.7 0.0 177.0
176 97.3 0.0 175.8

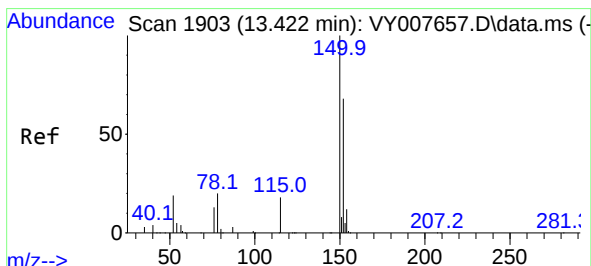
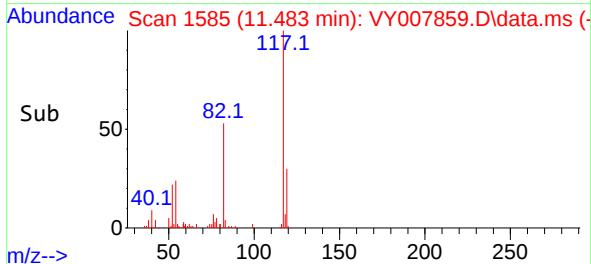
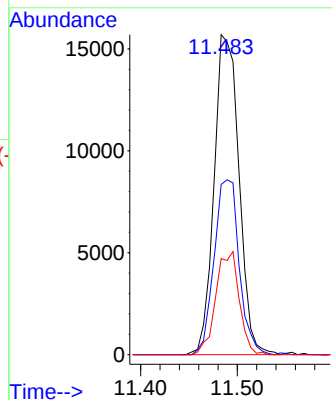
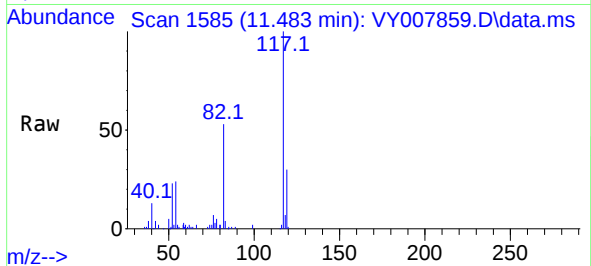




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

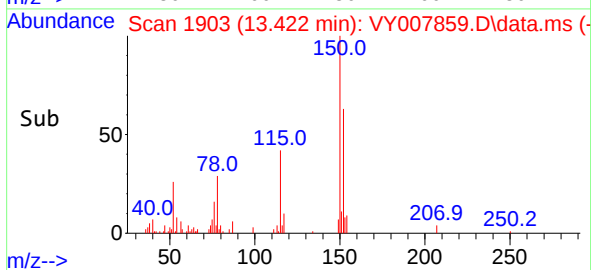
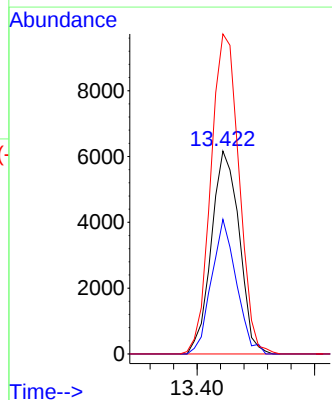
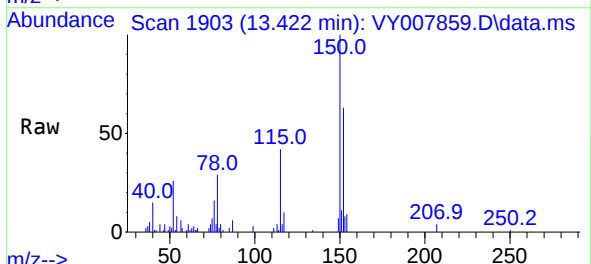
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

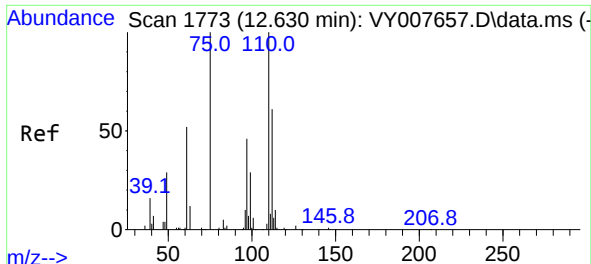
Tgt Ion:	117	Resp:	28035
Ion Ratio	Lower	Upper	
117	100		
82	53.2	43.0	64.4
119	30.0	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion:	152	Resp:	10154
Ion Ratio	Lower	Upper	
152	100		
115	59.4	28.2	84.7
150	159.7	0.0	347.6

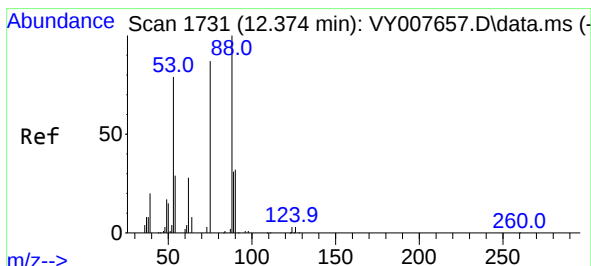
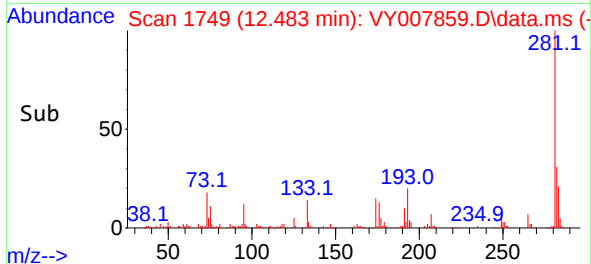
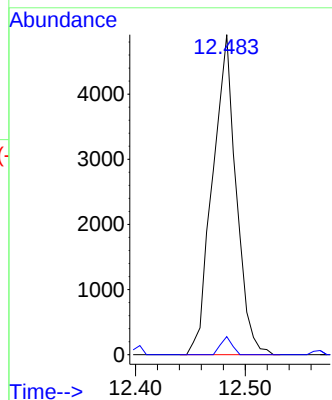
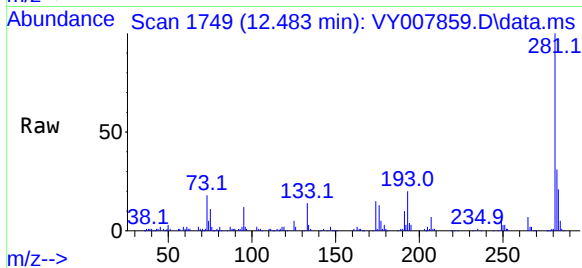




#76
1,2,3-Trichloropropane
Concen: 64.843 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

Tgt Ion: 75 Resp: 7353
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.564 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY007859.D
Acq: 11 Mar 2022 17:00

Tgt Ion: 75 Resp: 7353
Ion Ratio Lower Upper
75 100
53 1.0 85.3 127.9#
89 7.6 37.0 55.4#

