

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008858.D
 Acq On : 19 May 2022 11:14
 Operator : KP/MD
 Sample : VY0519SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBL01

Quant Time: May 19 16:57:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

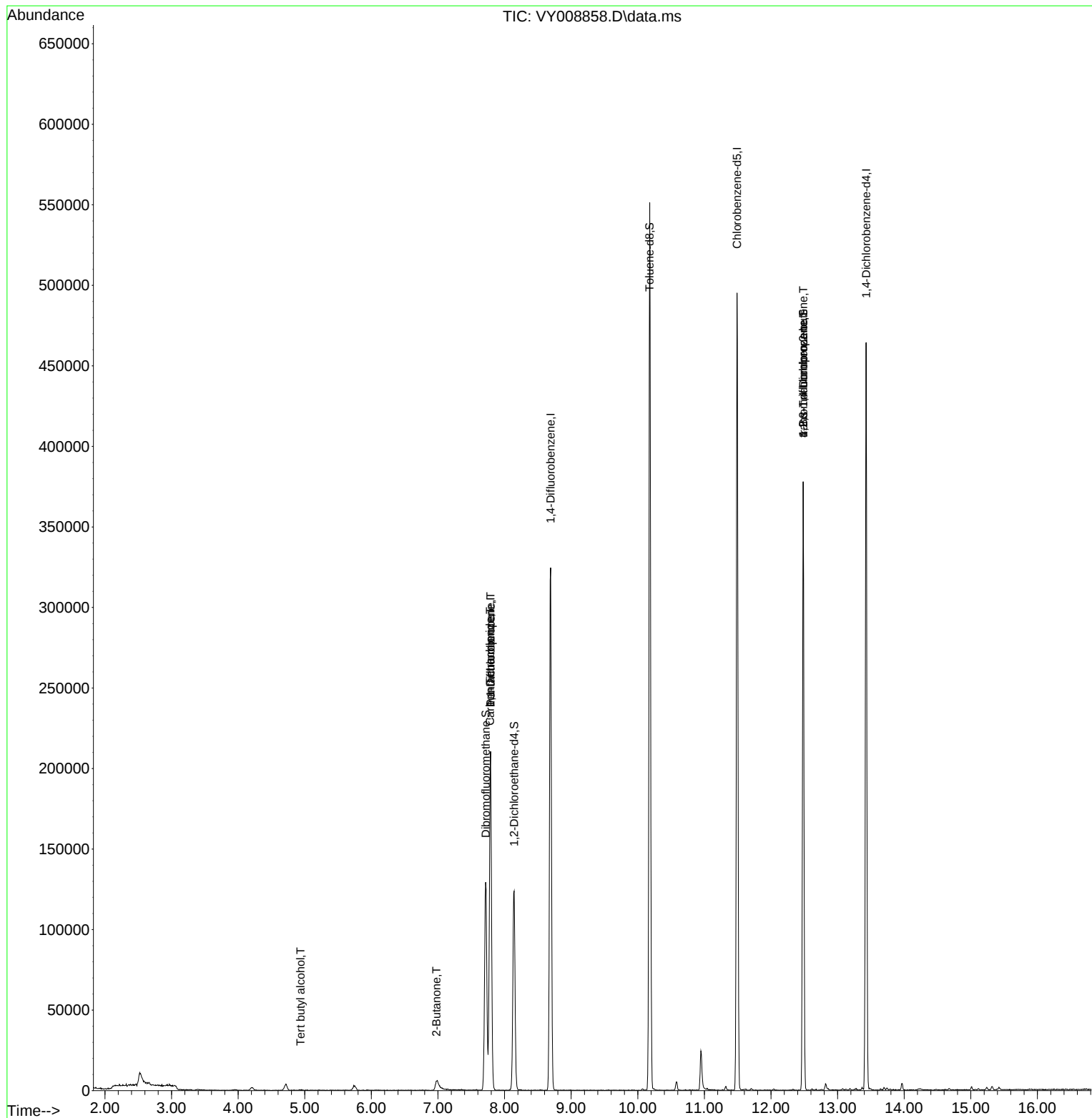
Internal Standards						
1) Pentafluorobenzene	7.789	168	161449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	279685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	261088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95210	63.568	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.140%	
35) Dibromofluoromethane	7.716	113	90512	55.388	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.780%	
50) Toluene-d8	10.179	98	350282	48.336	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.680%	
62) 4-Bromofluorobenzene	12.483	95	100528	39.564	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.120%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	31	Below Cal	#	43
3) Chloromethane	2.107	50	463	Below Cal	#	44
4) Vinyl Chloride	2.235	62	22	Below Cal	#	43
5) Bromomethane	2.662	94	393	Below Cal	#	81
6) Chloroethane	2.680	64	60	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	239	1.444	ug/l #	77
16) Acetone	3.948	43	636	Below Cal		98
17) Carbon Disulfide	4.198	76	50	Below Cal	#	75
18) Methyl Acetate	4.473	43	29	Below Cal	#	56
20) Methylene Chloride	4.723	84	2821	Below Cal	#	75
25) 2-Butanone	6.978	43	705	1.122	ug/l #	54
31) Cyclohexane	7.789	56	3564	Below Cal	#	36
36) 1,1-Dichloropropene	7.789	75	13158	5.027	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16241	5.790	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	56594	44.121	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56594	96.505	ug/l #	7

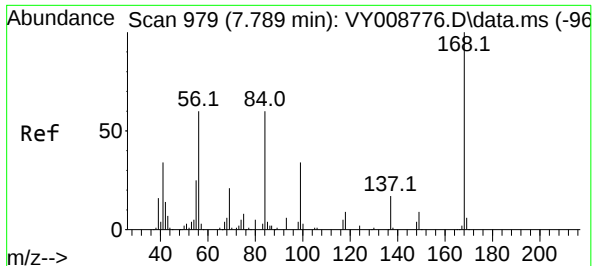
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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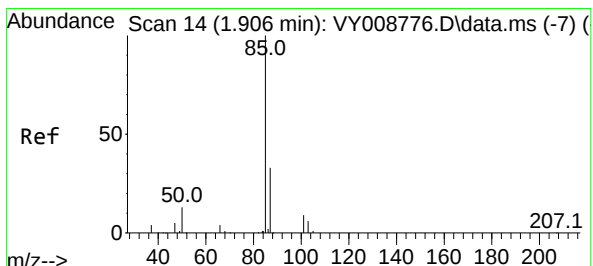
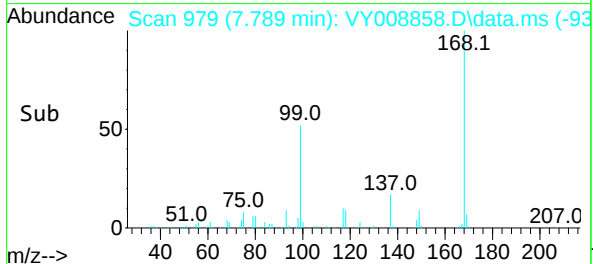
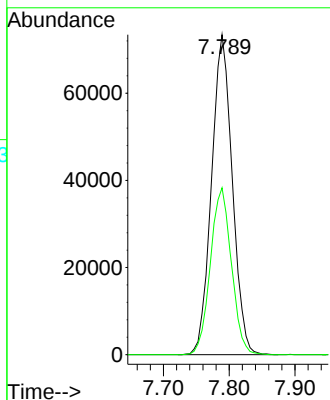
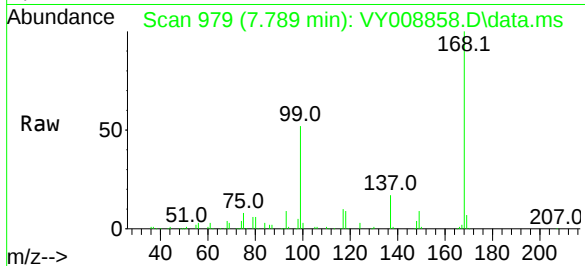




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

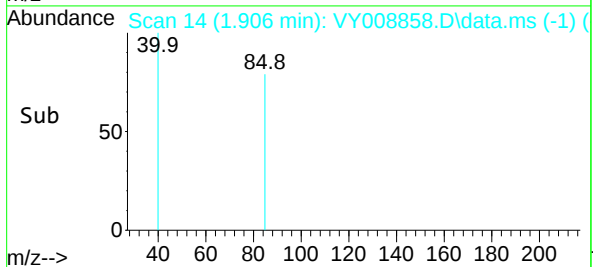
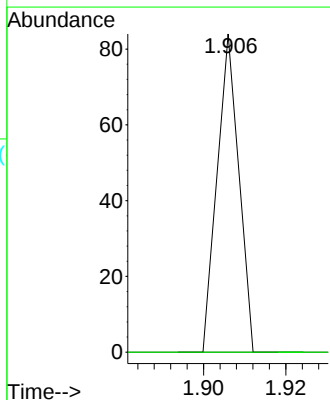
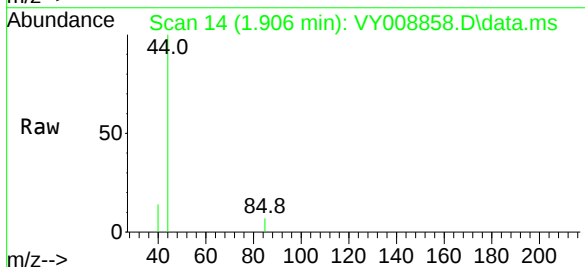
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

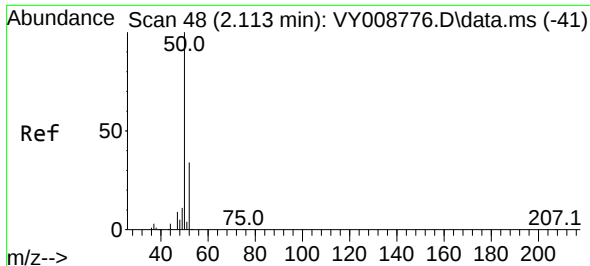
Tgt Ion:168 Resp: 161449
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 85 Resp: 31
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

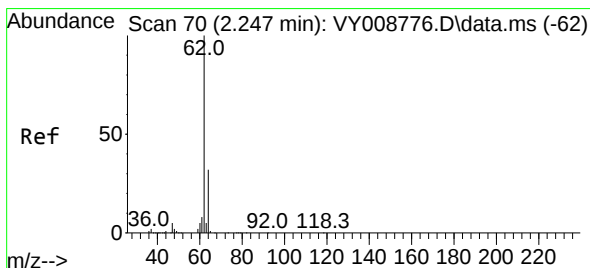
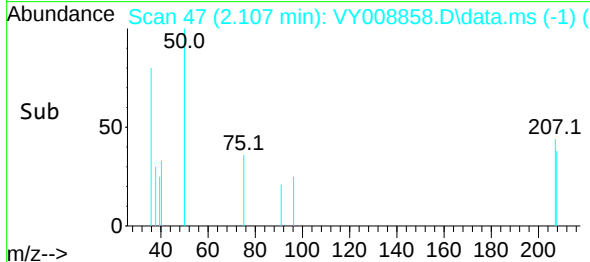
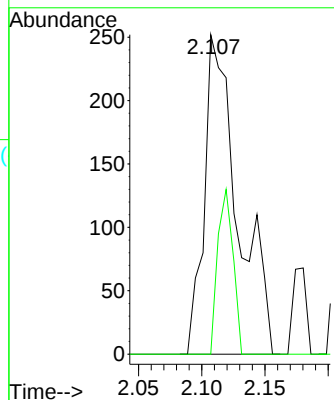
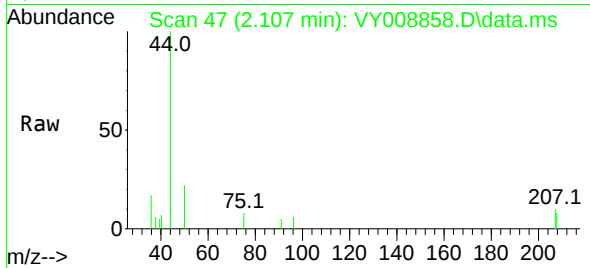




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

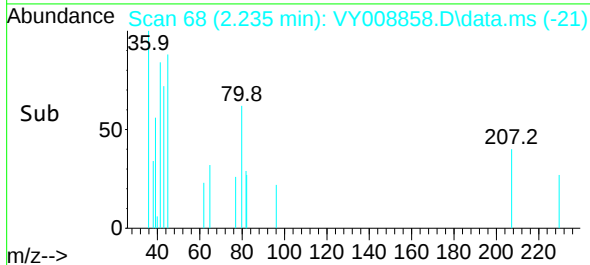
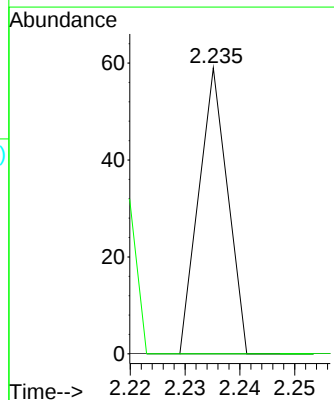
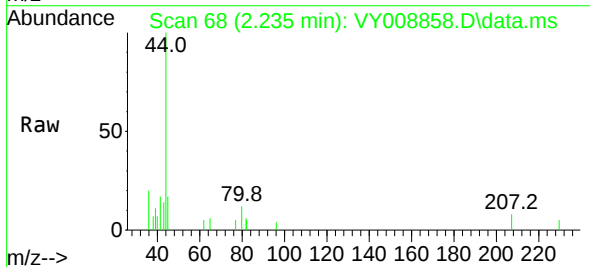
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

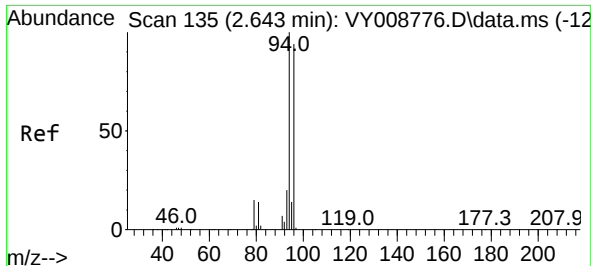
Tgt Ion: 50 Resp: 463
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.235 min Scan# 68
Delta R.T. -0.012 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 62 Resp: 22
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

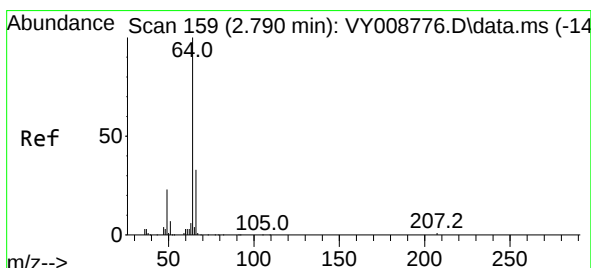
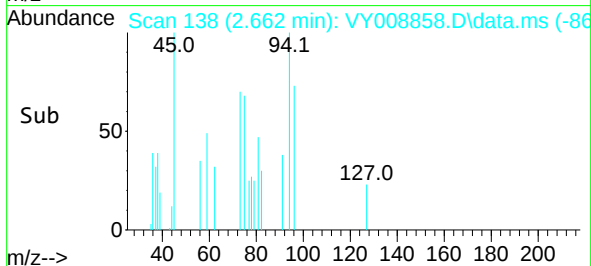
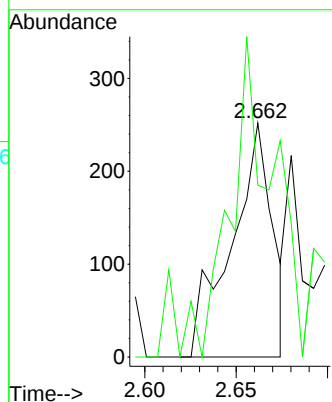
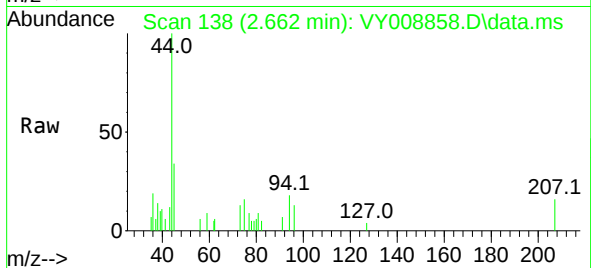




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

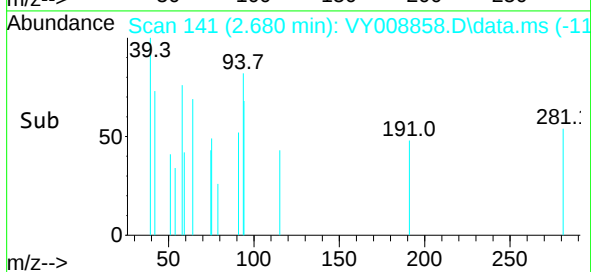
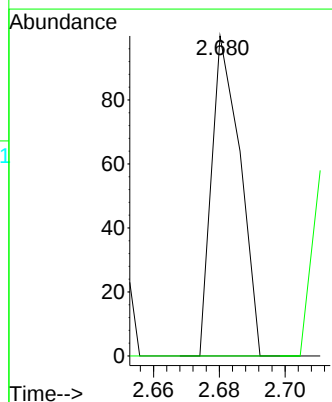
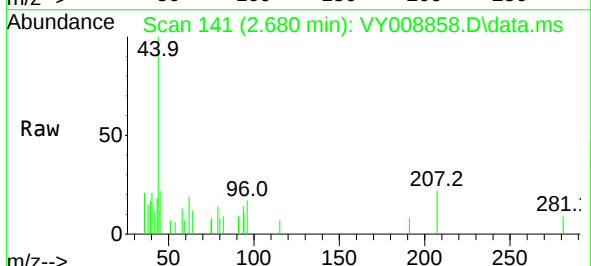
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

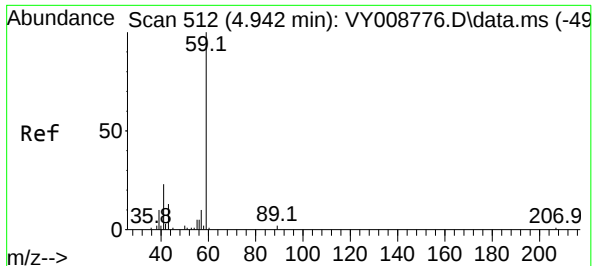
Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 73.4 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.680 min Scan# 141
Delta R.T. -0.110 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

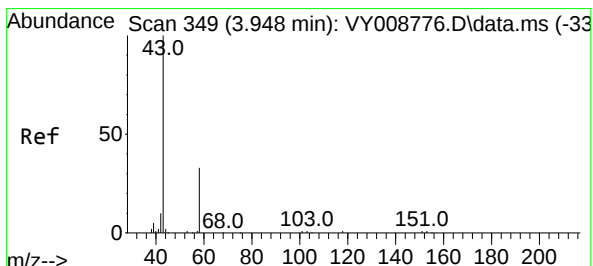
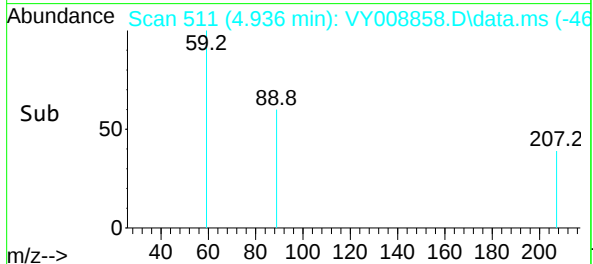
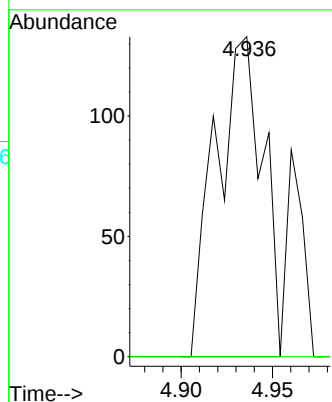
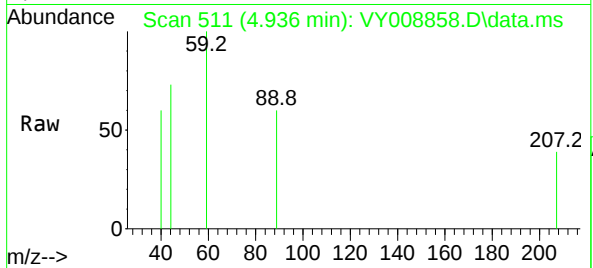




#11
Tert butyl alcohol
Concen: 1.444 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

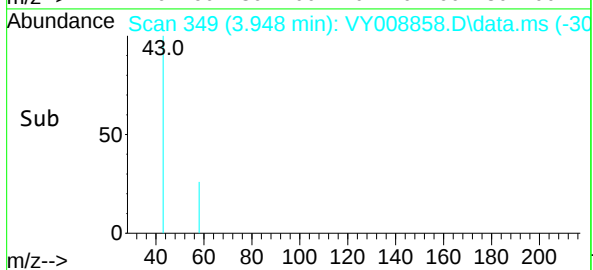
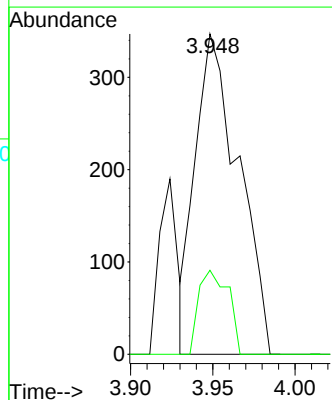
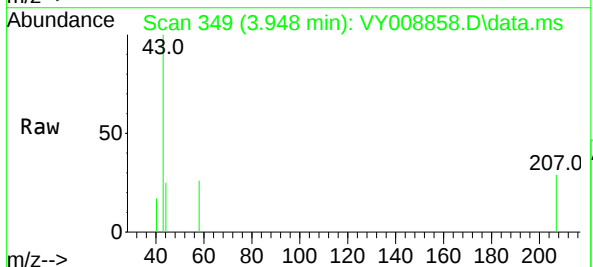
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

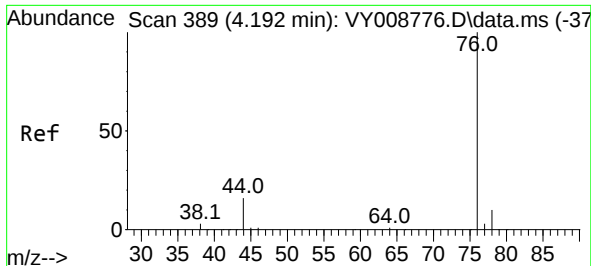
Tgt Ion: 59 Resp: 239
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
58 26.2 22.0 33.0

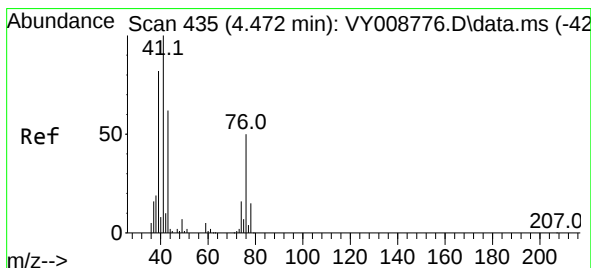
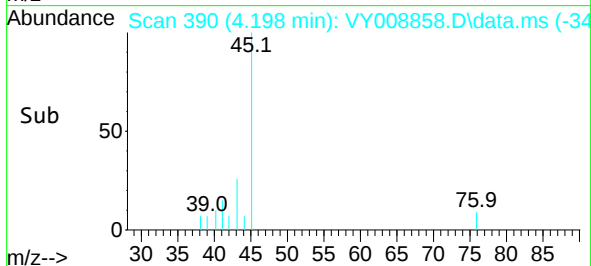
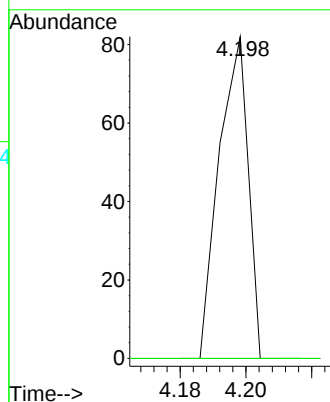
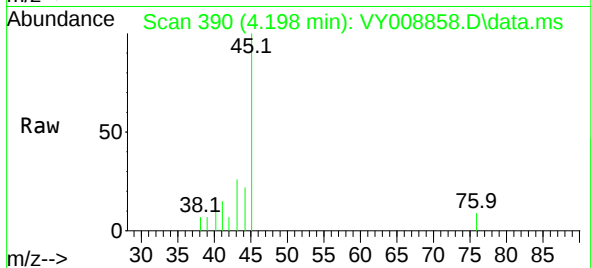




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

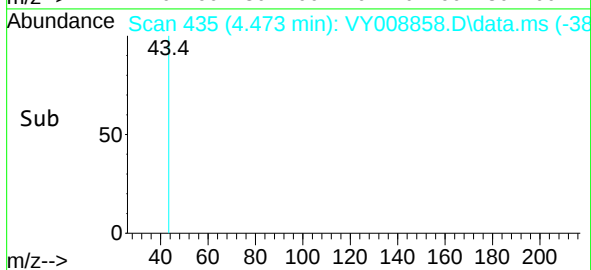
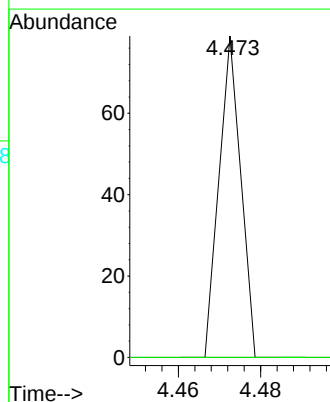
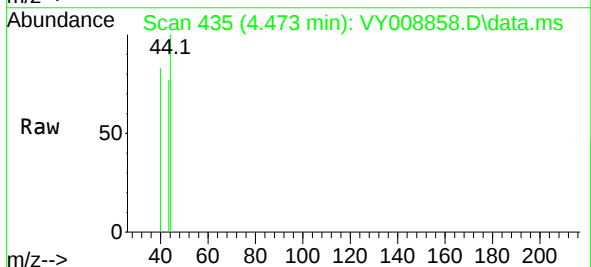
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

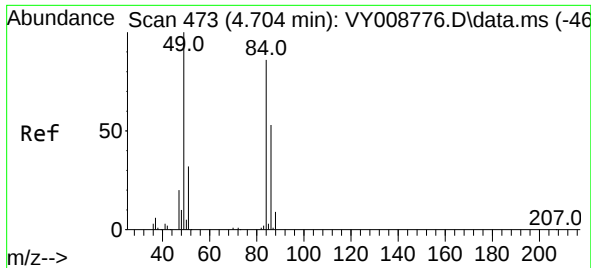
Tgt Ion: 76 Resp: 50
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. 0.001 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

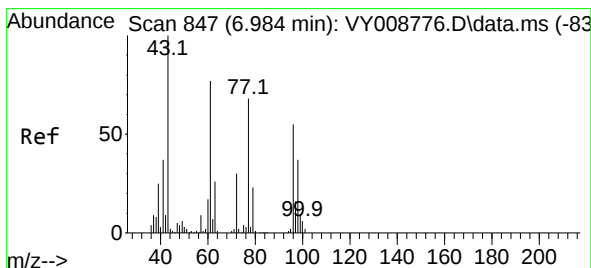
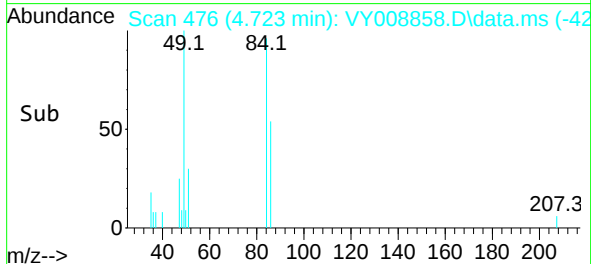
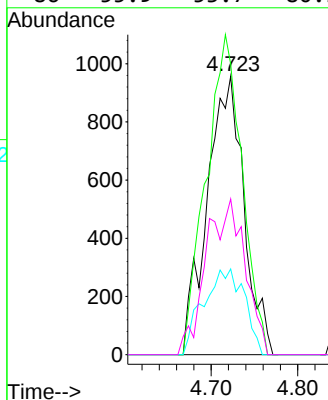
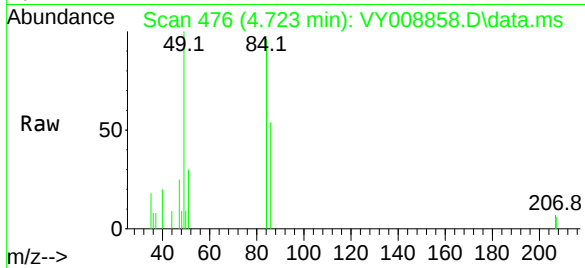




#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

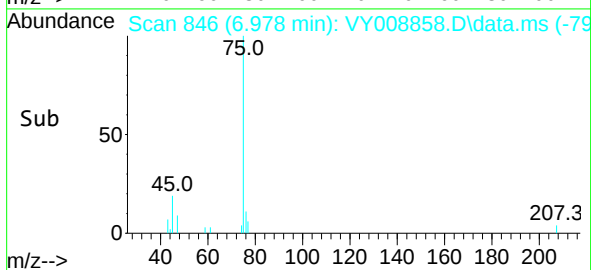
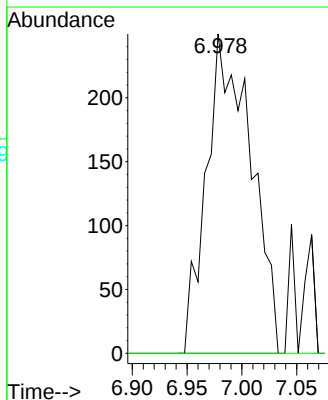
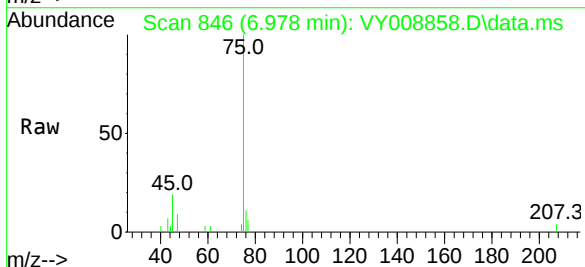
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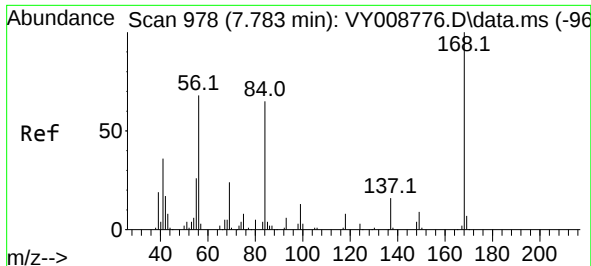
Tgt Ion: 84 Resp: 2821
Ion Ratio Lower Upper
84 100
49 104.4 114.4 171.6#
51 30.8 35.3 52.9#
86 55.9 53.7 80.5



#25
2-Butanone
Concen: 1.122 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

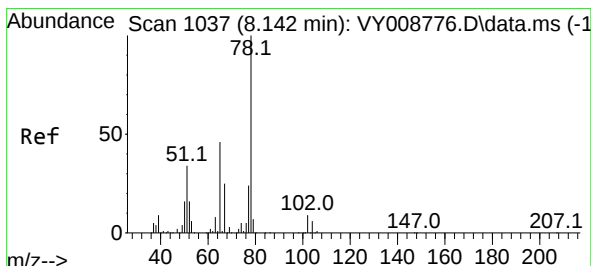
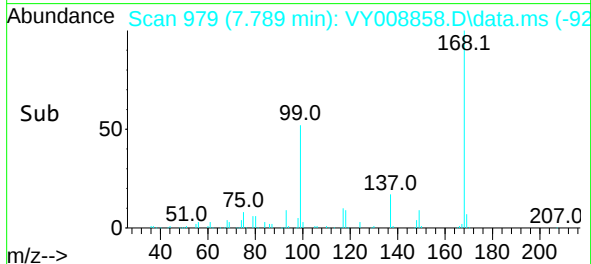
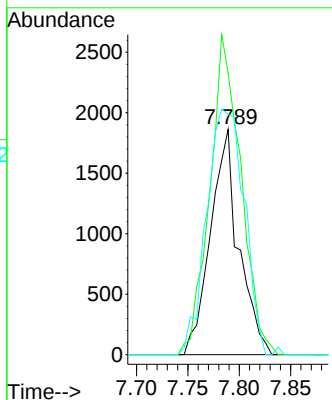
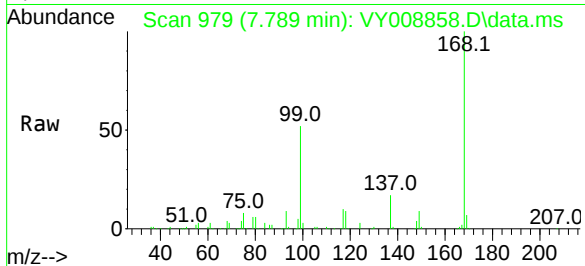




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

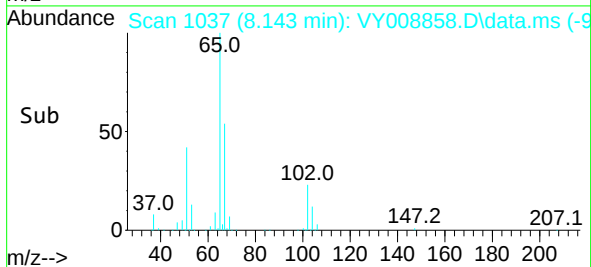
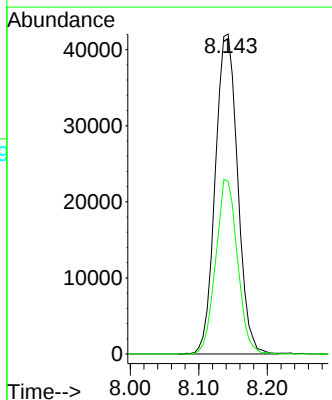
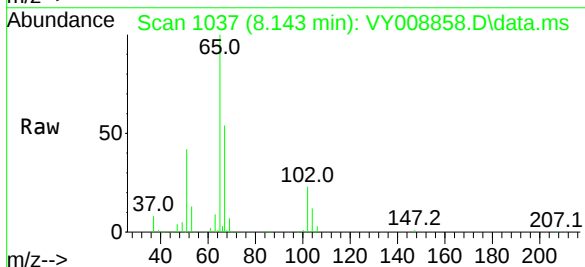
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

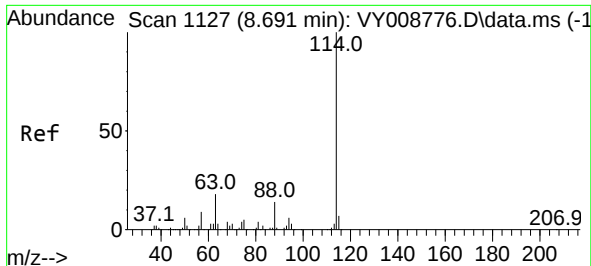
Tgt Ion: 56 Resp: 3564
Ion Ratio Lower Upper
56 100
69 125.2 26.7 40.1#
84 106.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.568 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 65 Resp: 95210
Ion Ratio Lower Upper
65 100
67 52.9 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: VY008858.D

Acq: 19 May 2022 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBL01

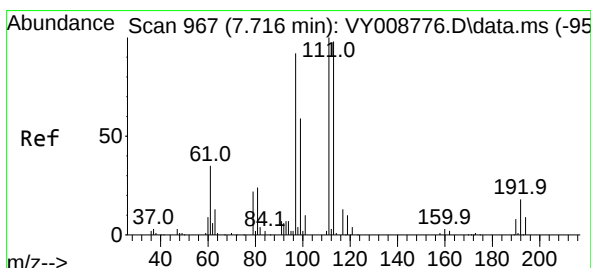
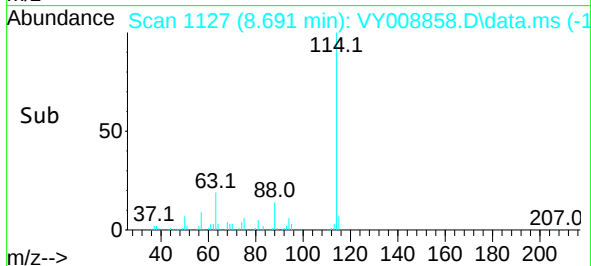
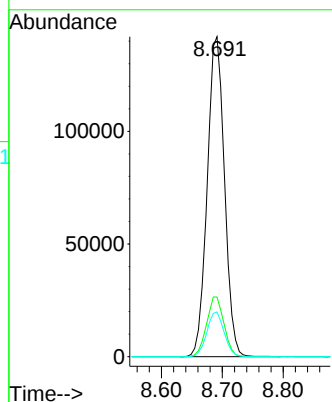
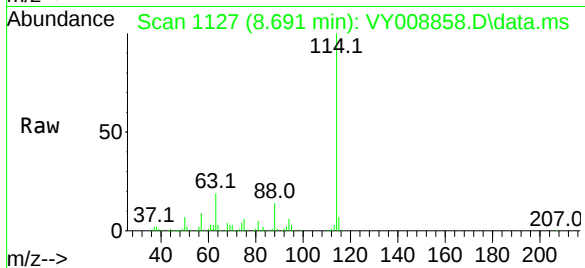
Tgt Ion:114 Resp: 279685

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.388 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008858.D

Acq: 19 May 2022 11:14

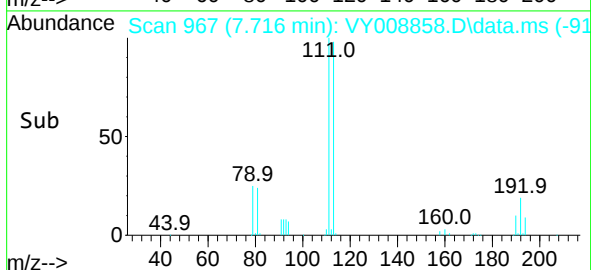
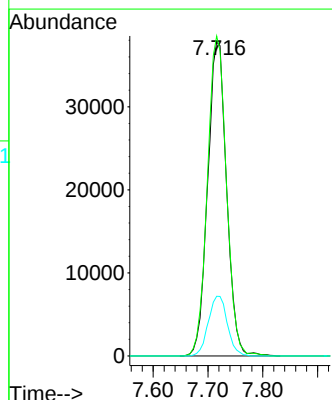
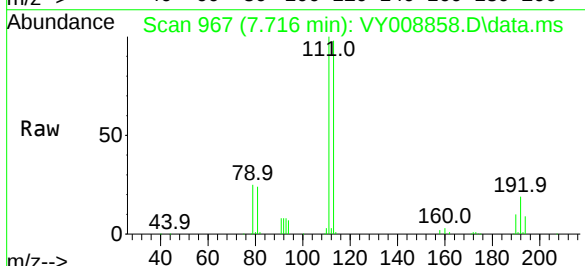
Tgt Ion:113 Resp: 90512

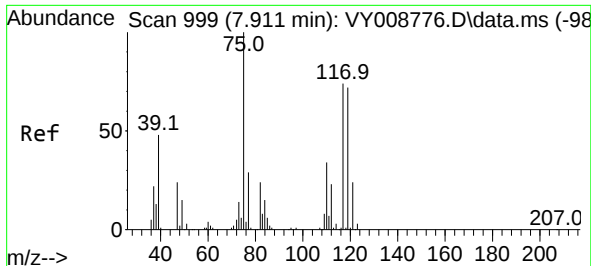
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.027 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008858.D

Acq: 19 May 2022 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBL01

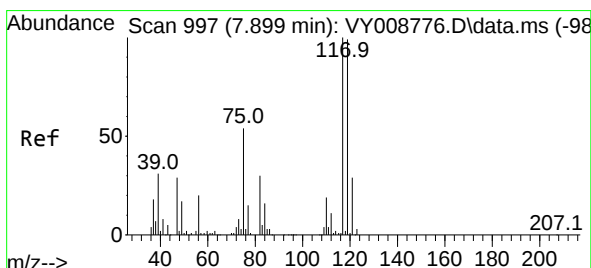
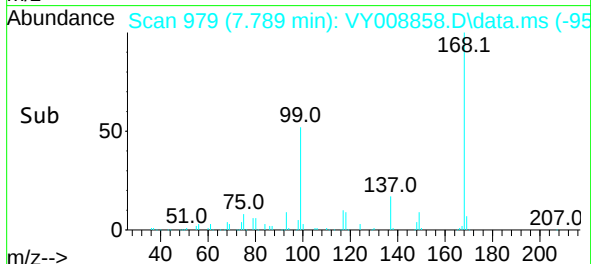
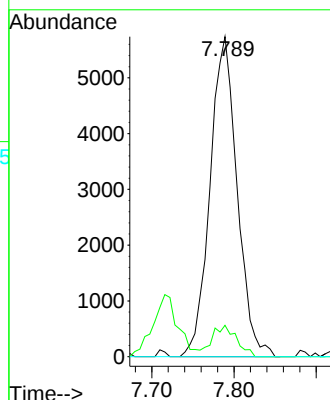
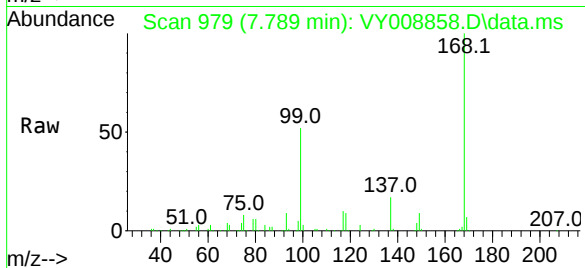
Tgt Ion: 75 Resp: 13158

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY008858.D

Acq: 19 May 2022 11:14

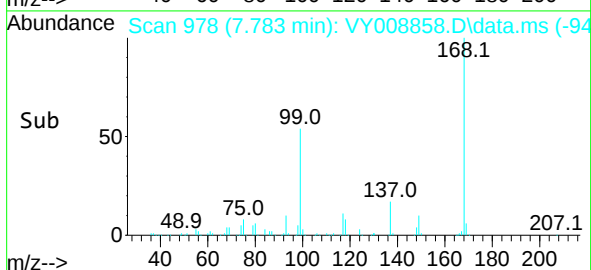
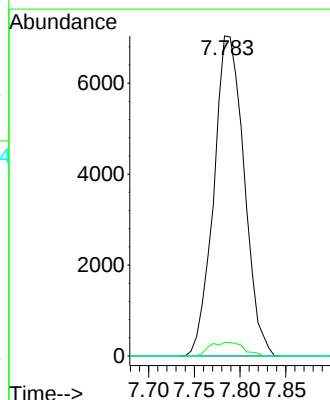
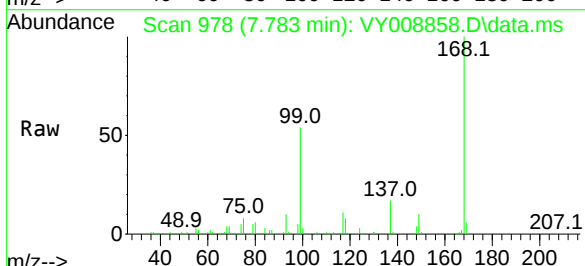
Tgt Ion: 117 Resp: 16241

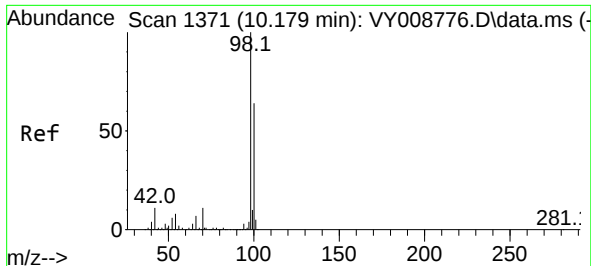
Ion Ratio Lower Upper

117 100

119 4.2 77.9 116.9#

121 0.0 24.8 37.2#

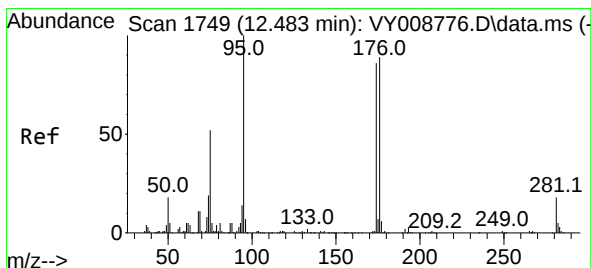
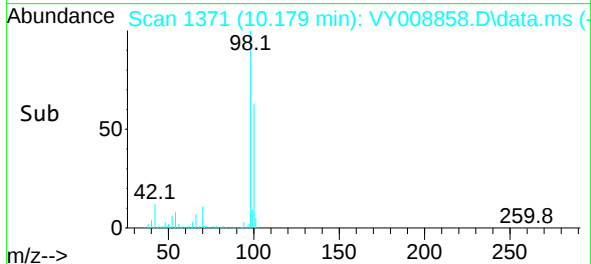
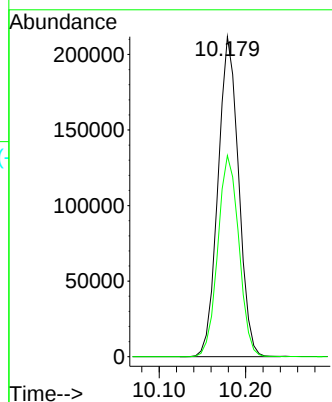
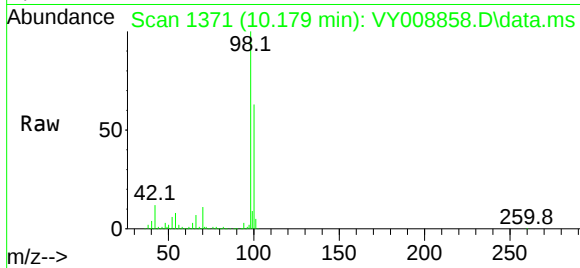




#50
Toluene-d8
Concen: 48.336 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

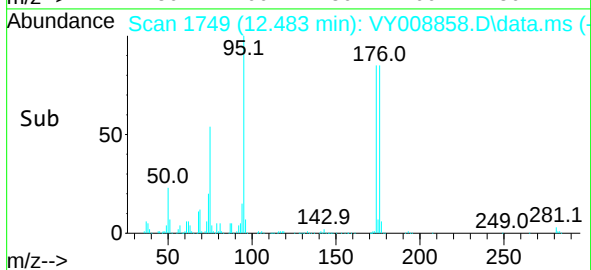
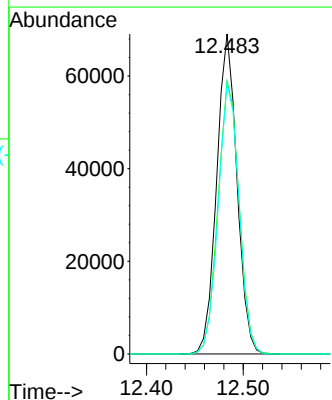
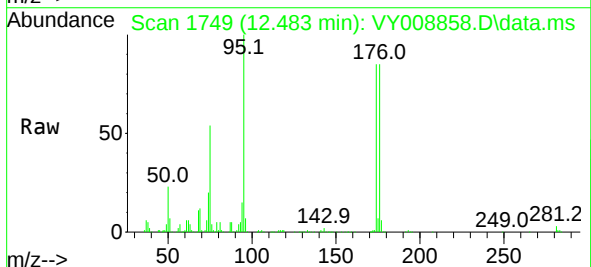
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

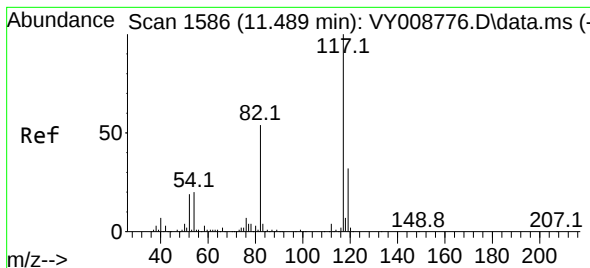
Tgt Ion: 98 Resp: 350282
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.564 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 95 Resp: 100528
Ion Ratio Lower Upper
95 100
174 88.8 0.0 177.0
176 86.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008858.D

Acq: 19 May 2022 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBL01

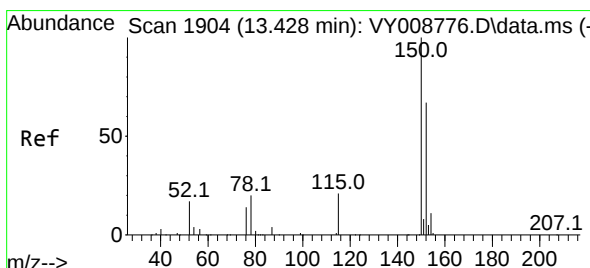
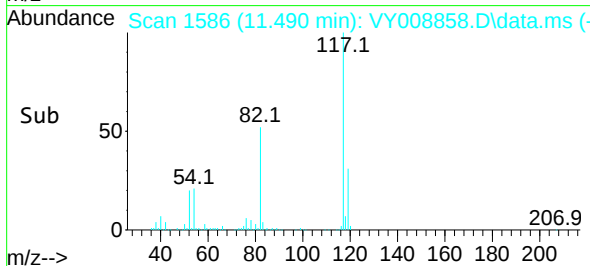
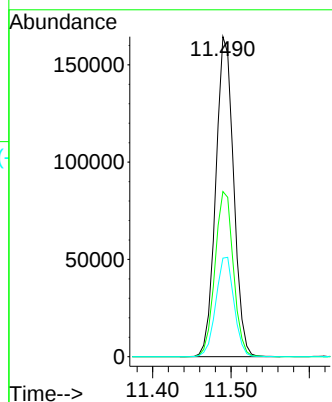
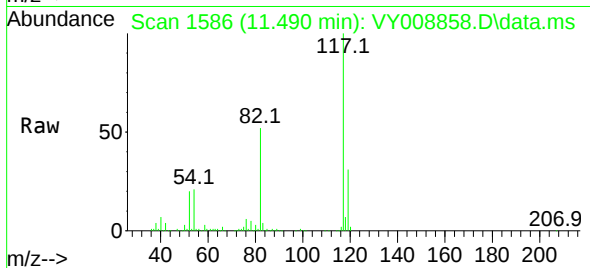
Tgt Ion:117 Resp: 261088

Ion Ratio Lower Upper

117 100

82 51.6 43.0 64.4

119 30.8 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: VY008858.D

Acq: 19 May 2022 11:14

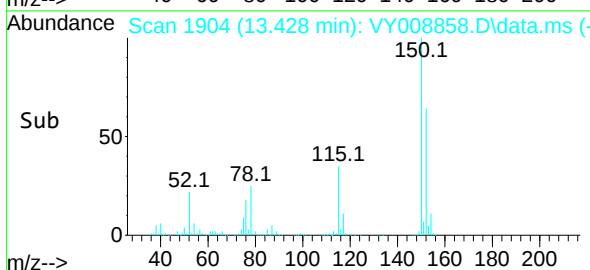
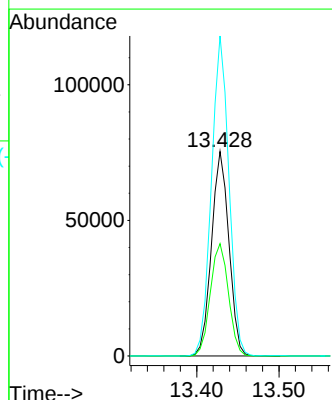
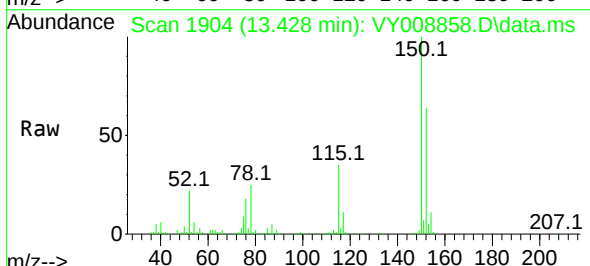
Tgt Ion:152 Resp: 111043

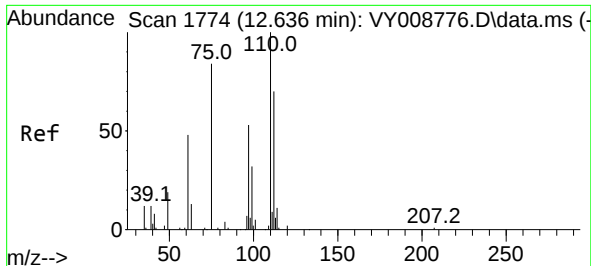
Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 156.7 0.0 347.6

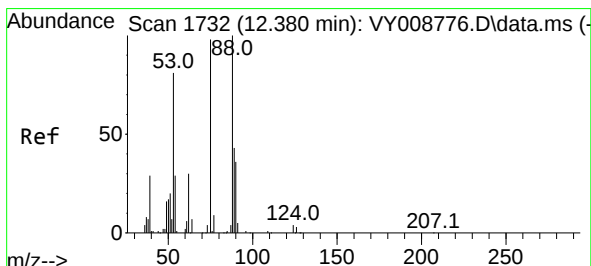
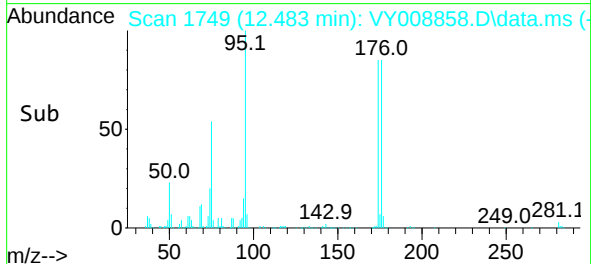
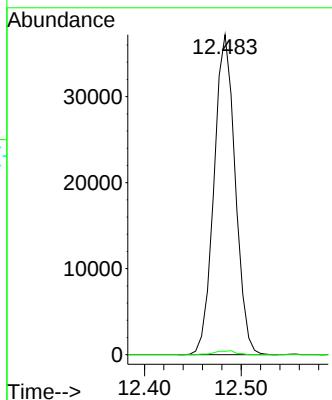
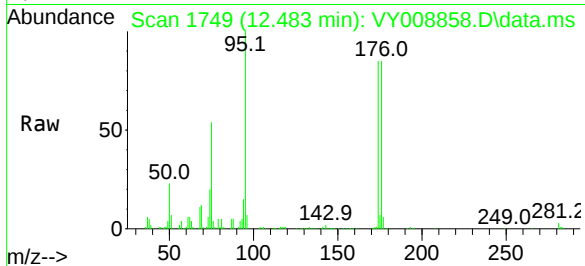




#76
1,2,3-Trichloropropane
Concen: 44.121 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Tgt Ion: 75 Resp: 56594
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.505 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008858.D
Acq: 19 May 2022 11:14

Tgt Ion: 75 Resp: 56594
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

