

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008863.D
 Acq On : 19 May 2022 13:27
 Operator : KP/MD
 Sample : N2832-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB21

Quant Time: May 19 16:58:54 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)

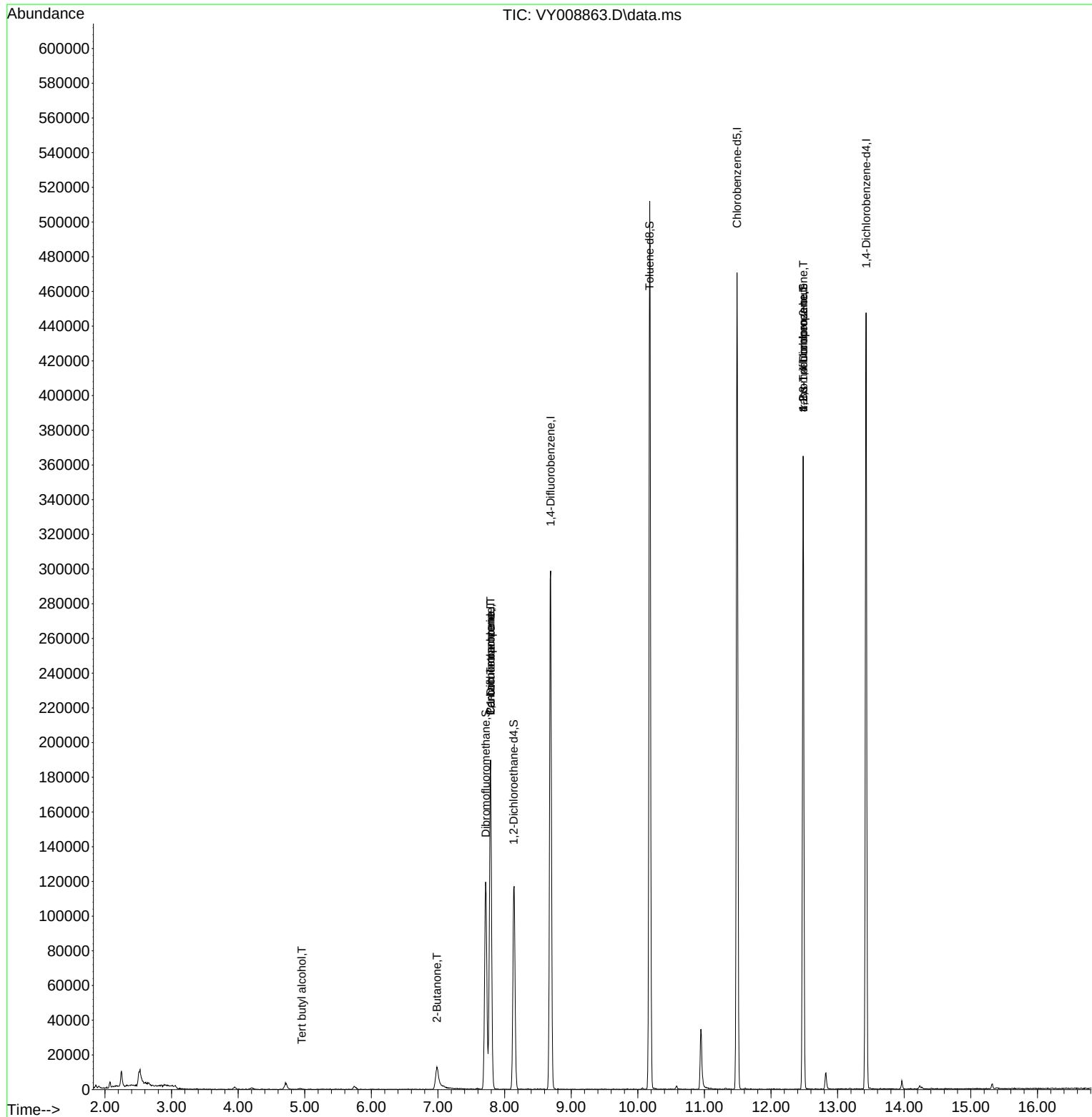
Internal Standards						
1) Pentafluorobenzene	7.789	168	143849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	253037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89218	66.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.720%	
35) Dibromofluoromethane	7.716	113	81790	55.322	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.640%	
50) Toluene-d8	10.179	98	320722	48.880	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.760%	
62) 4-Bromofluorobenzene	12.483	95	94434	40.946	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.900%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	696	Below Cal	#	66
3) Chloromethane	2.113	50	176	Below Cal	#	44
4) Vinyl Chloride	2.223	62	135	Below Cal	#	43
5) Bromomethane	2.650	94	340	Below Cal	#	77
6) Chloroethane	2.656	64	19	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	136	Below Cal	#	21
11) Tert butyl alcohol	4.954	59	237	1.607 ug/l	#	77
16) Acetone	3.948	43	2073	Below Cal	#	62
18) Methyl Acetate	4.466	43	20	Below Cal	#	56
20) Methylene Chloride	4.710	84	2353	Below Cal		95
25) 2-Butanone	6.984	43	918	1.639 ug/l	#	54
31) Cyclohexane	7.789	56	3584	Below Cal	#	49
36) 1,1-Dichloropropene	7.789	75	12568	5.308 ug/l	#	49
38) Carbon Tetrachloride	7.789	117	14627	5.764 ug/l	#	17
76) 1,2,3-Trichloropropane	12.483	75	53766	43.011 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53766	94.077 ug/l	#	7

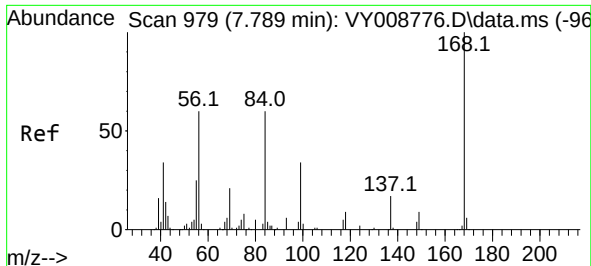
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
Data File : VY008863.D
Acq On : 19 May 2022 13:27
Operator : KP/MD
Sample : N2832-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB21

Quant Time: May 19 16:58:54 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

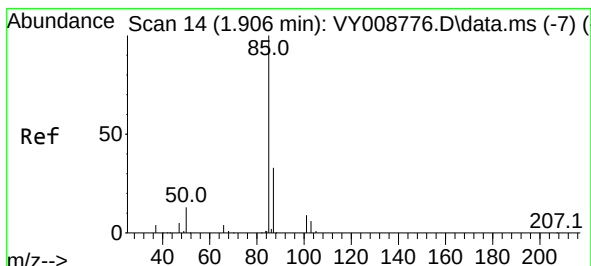
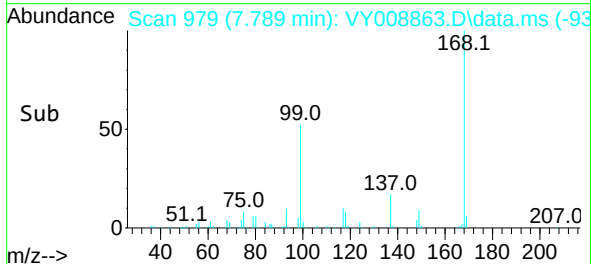
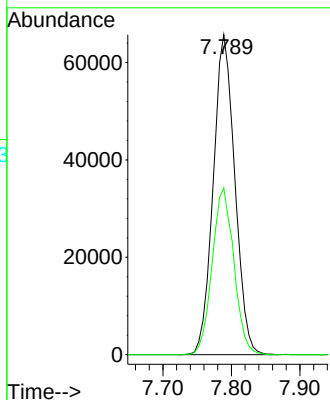
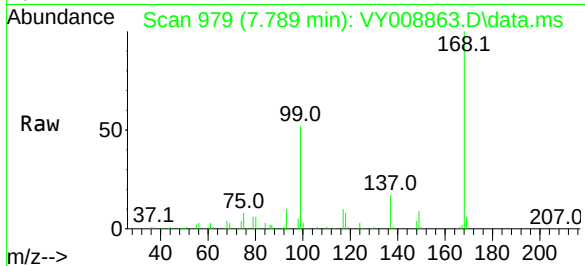




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

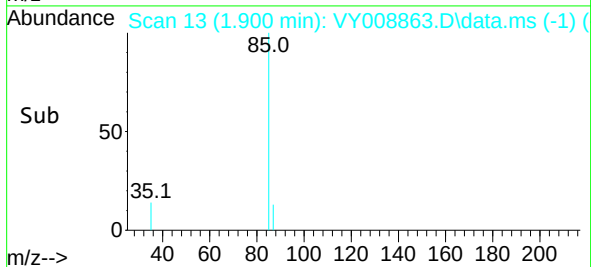
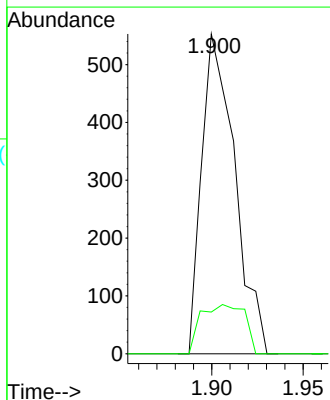
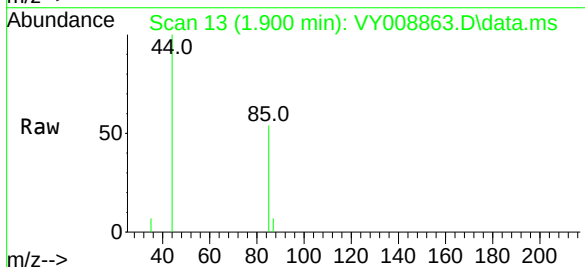
Instrument :
MSVOA_Y
ClientSampleId :
SB21

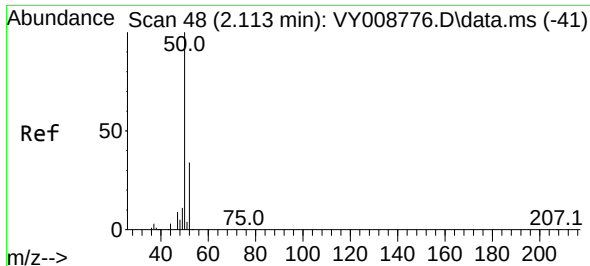
Tgt Ion:168 Resp: 143849
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 85 Resp: 696
Ion Ratio Lower Upper
85 100
87 13.0 16.1 48.2#

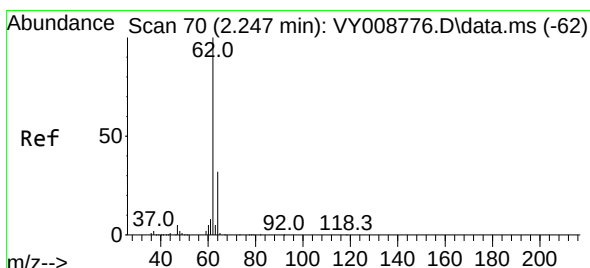
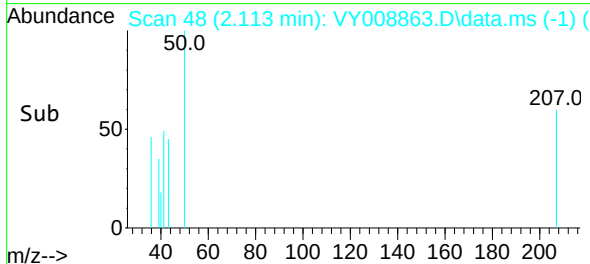
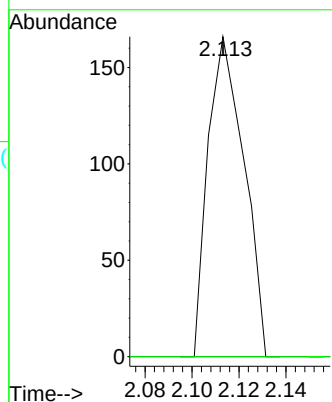
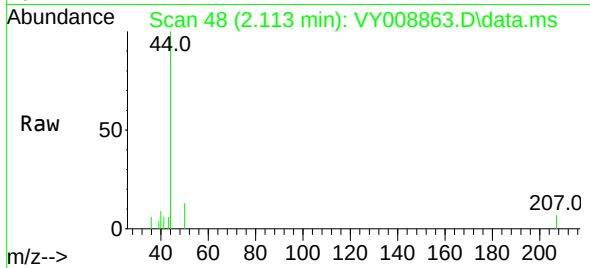




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

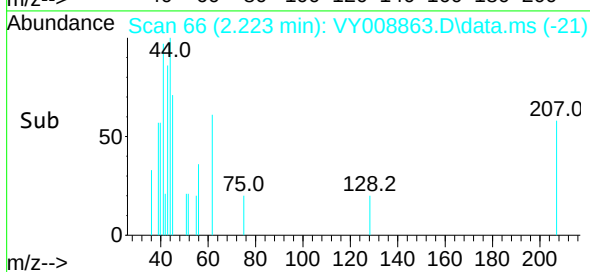
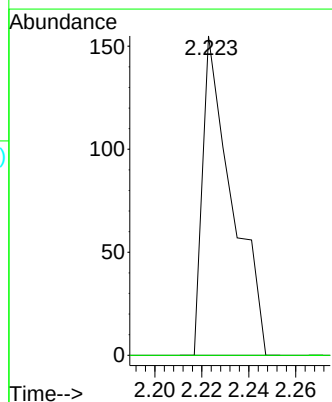
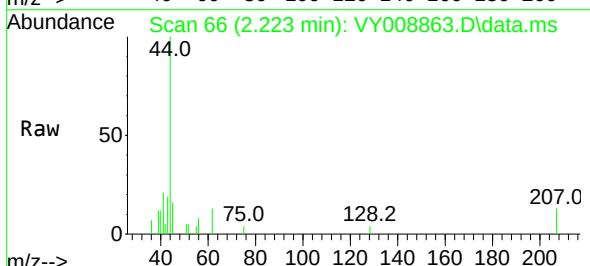
Instrument :
MSVOA_Y
ClientSampleId :
SB21

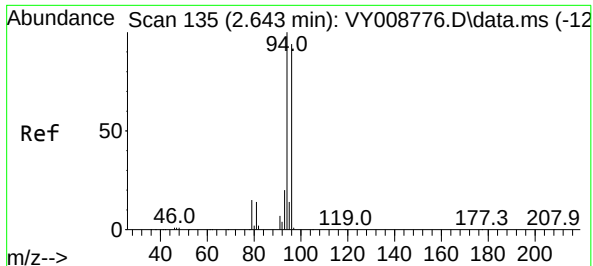
Tgt Ion: 50 Resp: 176
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.223 min Scan# 66
Delta R.T. -0.024 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 62 Resp: 135
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

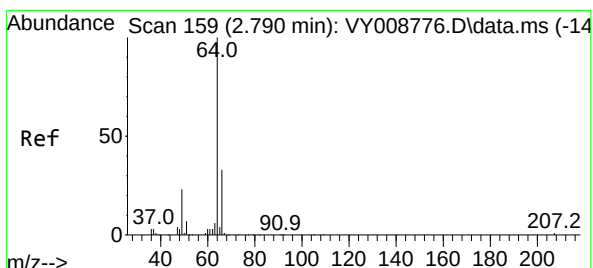
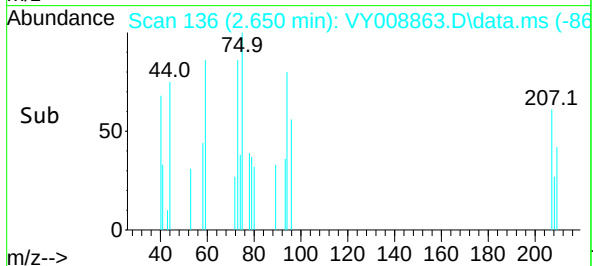
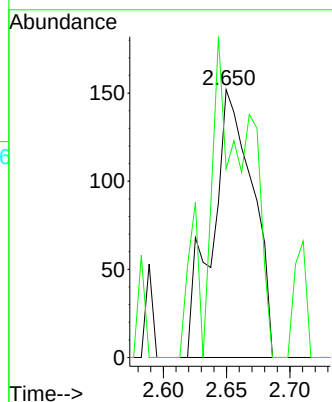
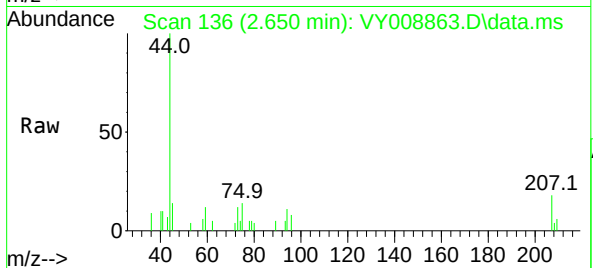




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

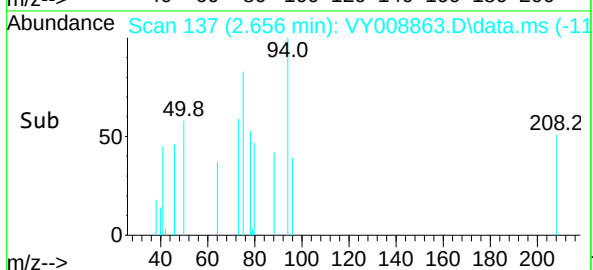
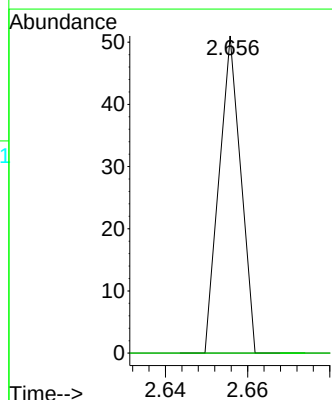
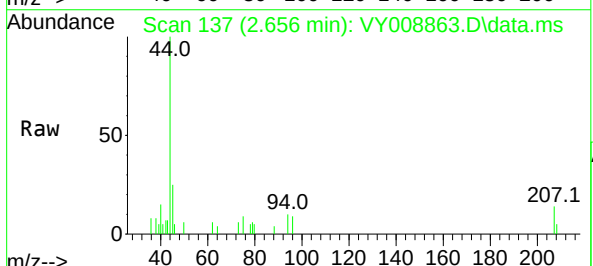
Instrument :
MSVOA_Y
ClientSampleId :
SB21

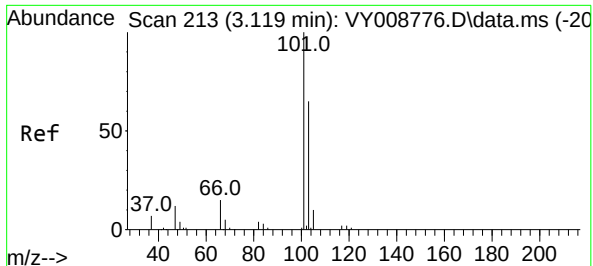
Tgt Ion: 94 Resp: 340
Ion Ratio Lower Upper
94 100
96 70.4 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.134 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

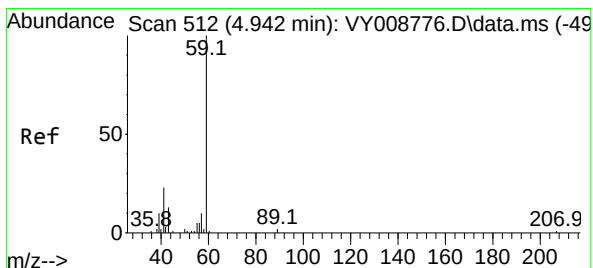
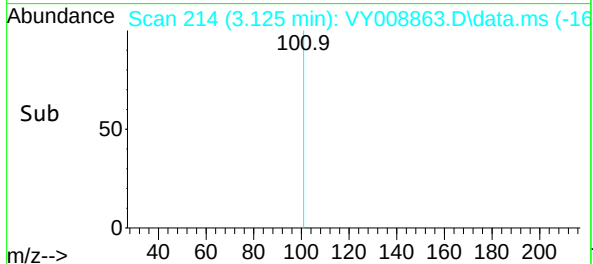
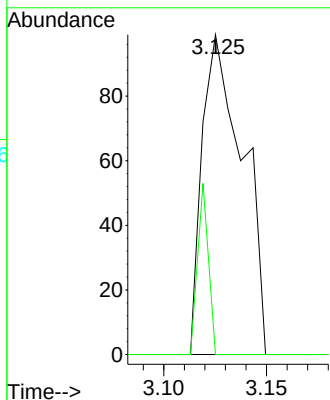
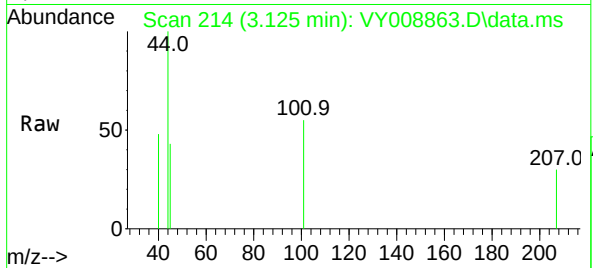




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

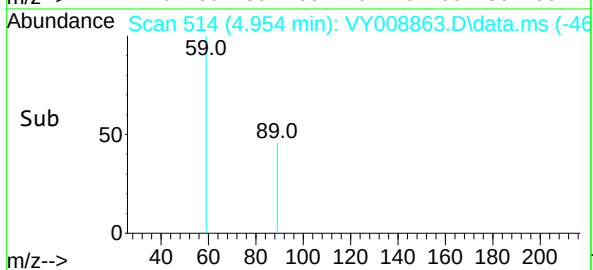
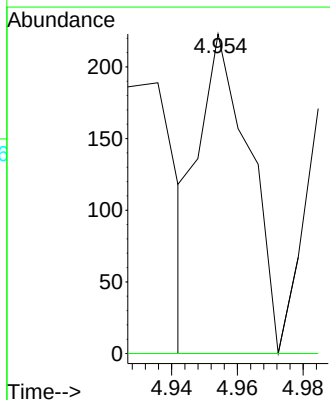
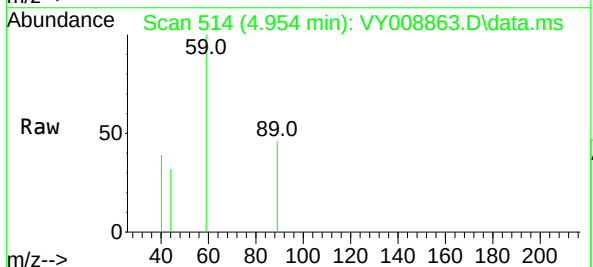
Instrument :
MSVOA_Y
ClientSampleId :
SB21

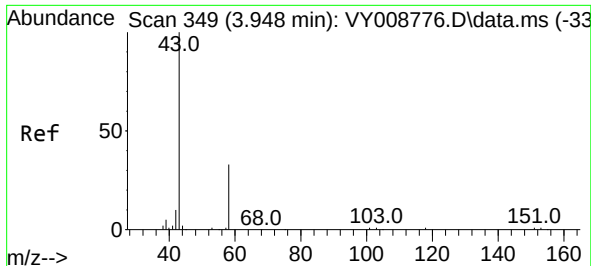
Tgt Ion:101 Resp: 136
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 1.607 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

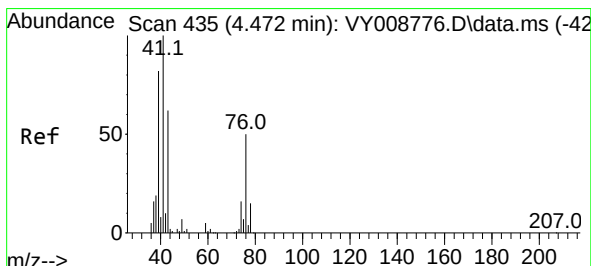
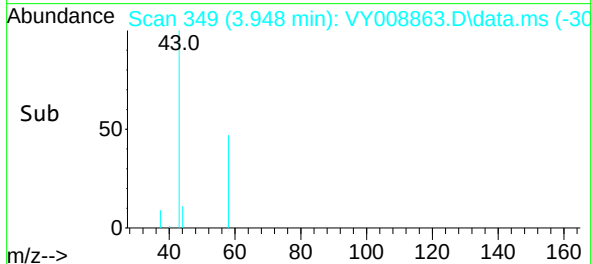
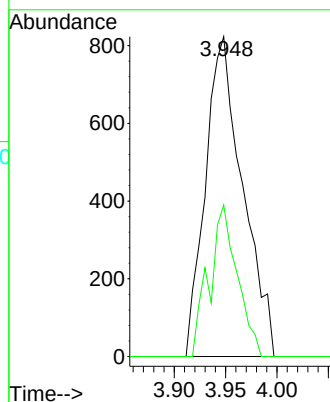
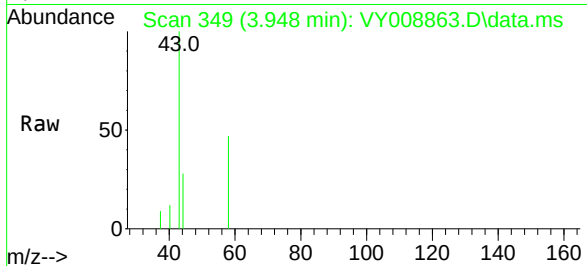




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

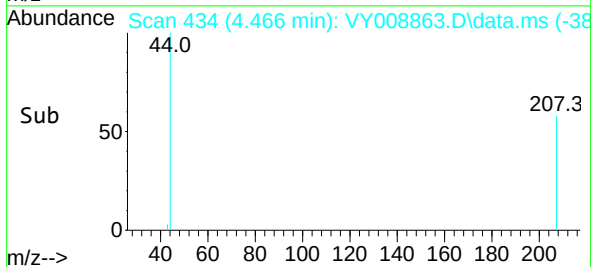
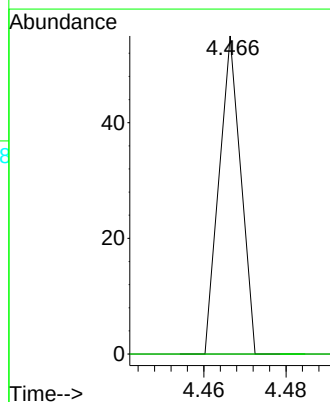
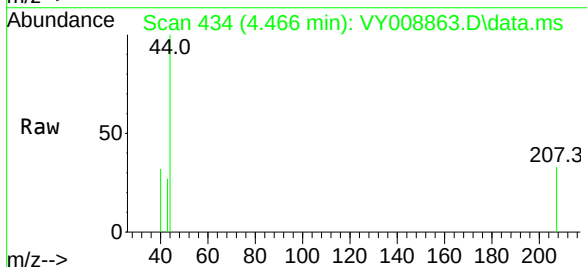
Instrument :
MSVOA_Y
ClientSampleId :
SB21

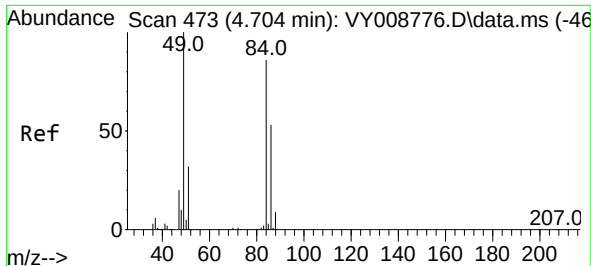
Tgt Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
58 47.4 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

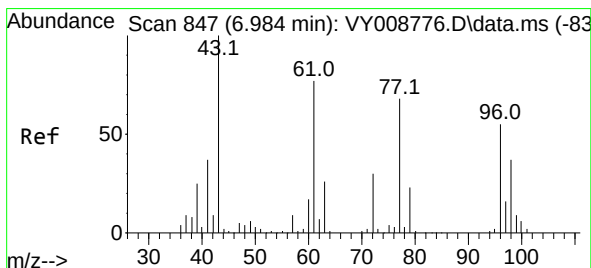
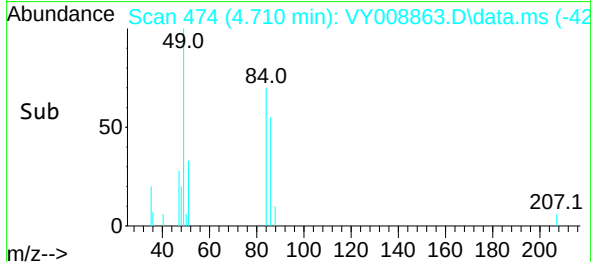
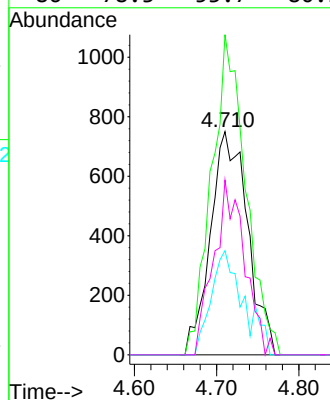
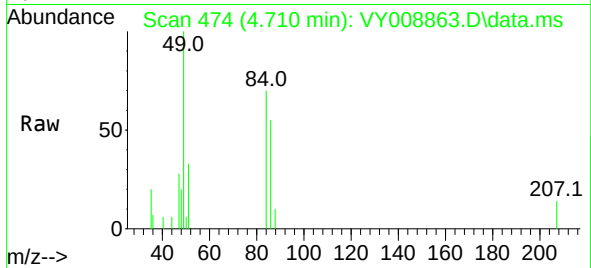




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

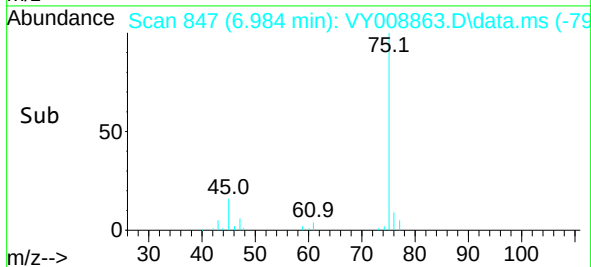
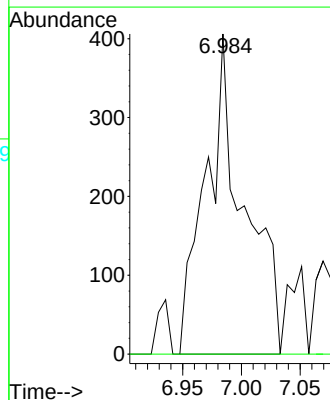
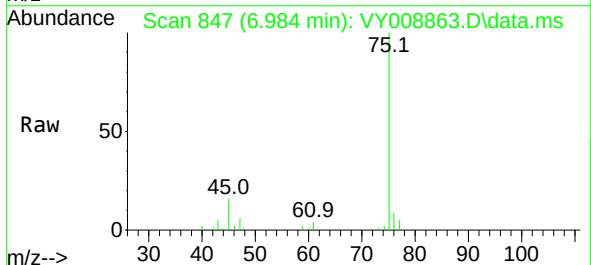
Instrument :
MSVOA_Y
ClientSampleId :
SB21

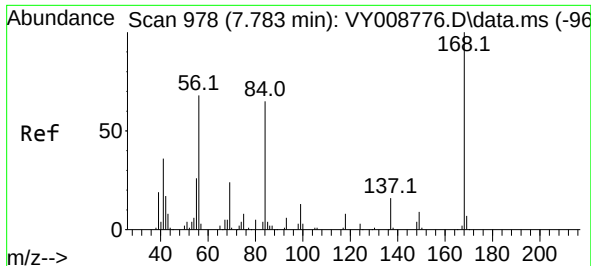
Tgt Ion: 84 Resp: 2353
Ion Ratio Lower Upper
84 100
49 143.5 114.4 171.6
51 46.7 35.3 52.9
86 78.3 53.7 80.5



#25
2-Butanone
Concen: 1.639 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

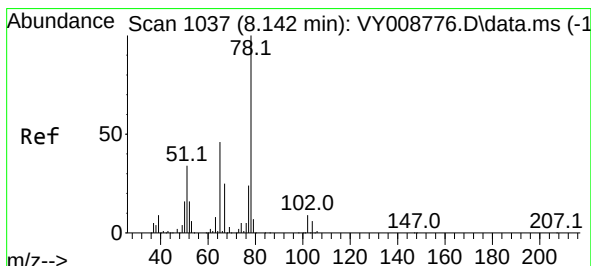
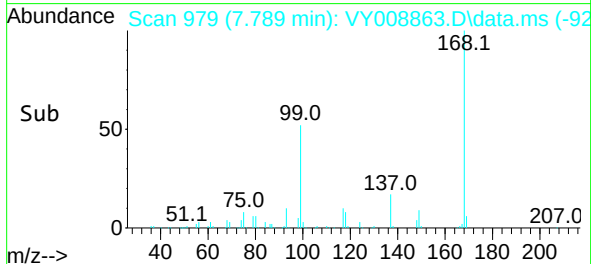
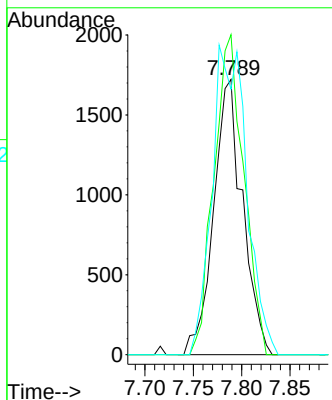
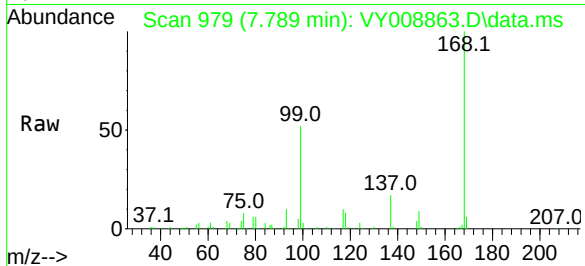




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

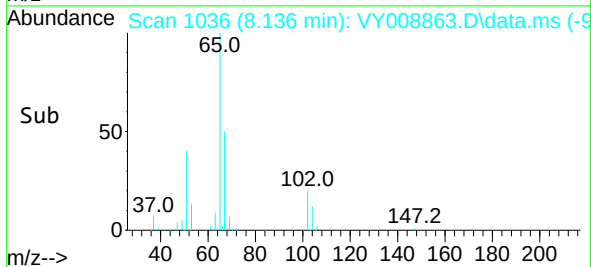
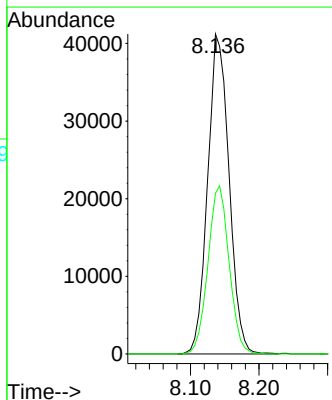
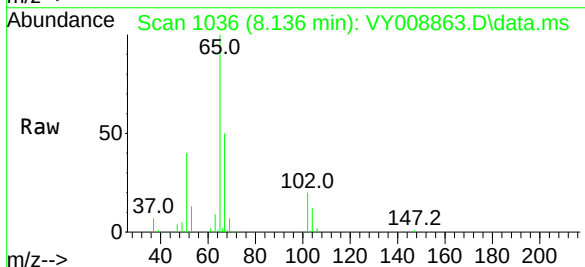
Instrument :
MSVOA_Y
ClientSampleId :
SB21

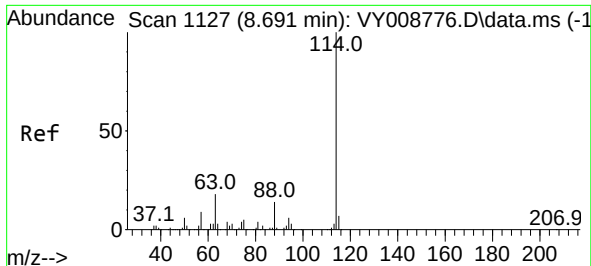
Tgt Ion: 56 Resp: 3584
Ion Ratio Lower Upper
56 100
69 116.3 26.7 40.1#
84 96.5 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 66.855 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 65 Resp: 89218
Ion Ratio Lower Upper
65 100
67 52.0 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: VY008863.D

Acq: 19 May 2022 13:27

Instrument :

MSVOA_Y

ClientSampleId :

SB21

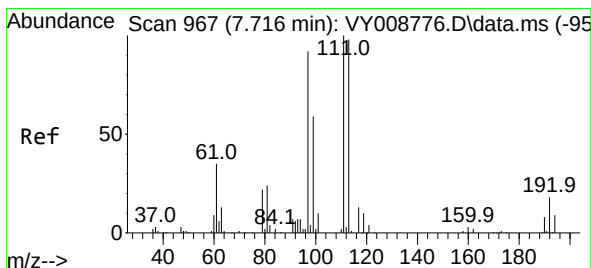
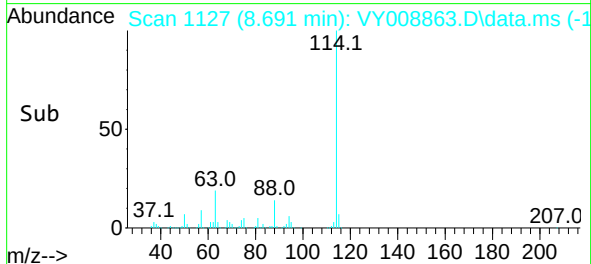
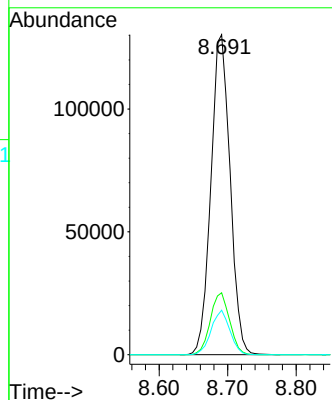
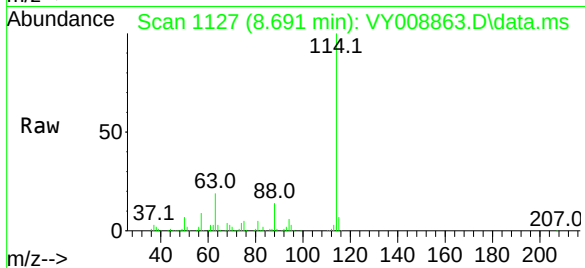
Tgt Ion:114 Resp: 253037

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.322 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008863.D

Acq: 19 May 2022 13:27

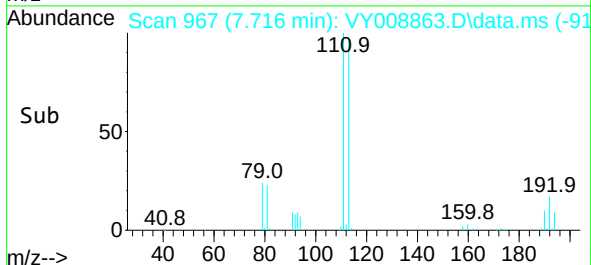
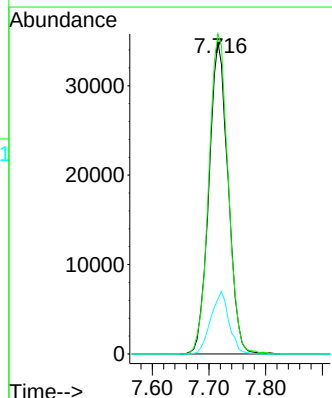
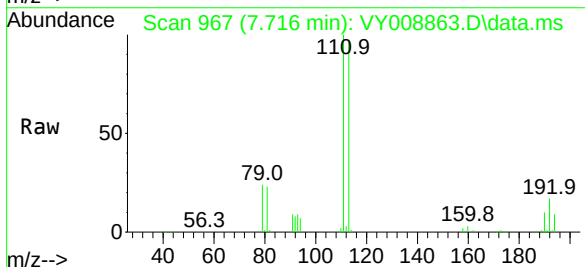
Tgt Ion:113 Resp: 81790

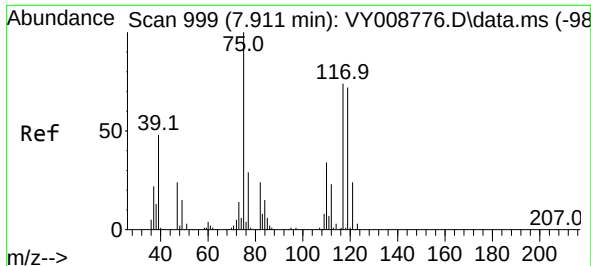
Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.308 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008863.D

Acq: 19 May 2022 13:27

Instrument :

MSVOA_Y

ClientSampleId :

SB21

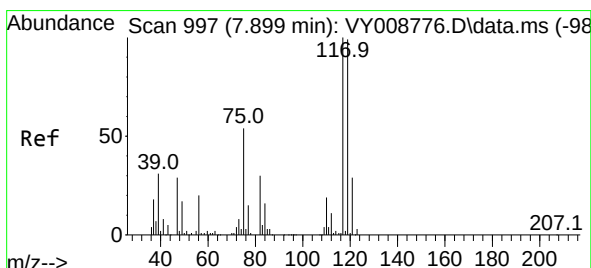
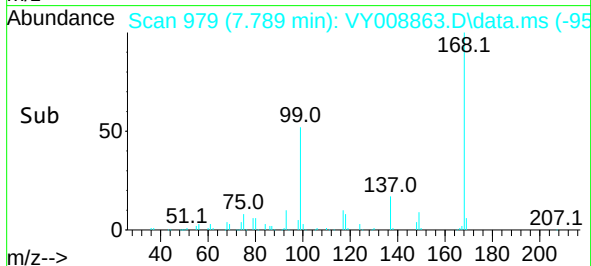
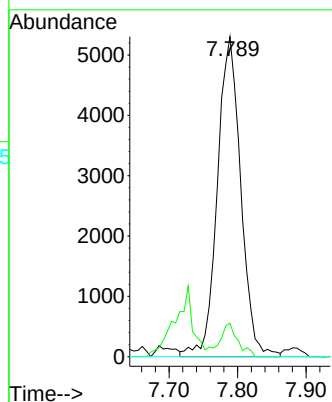
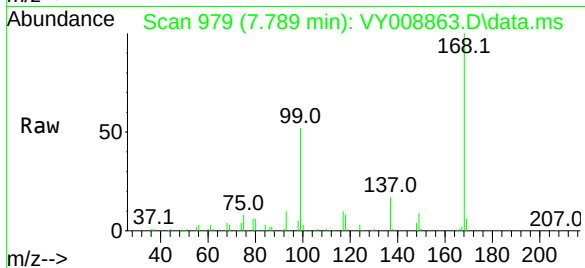
Tgt Ion: 75 Resp: 12568

Ion Ratio Lower Upper

75 100

110 7.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.764 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008863.D

Acq: 19 May 2022 13:27

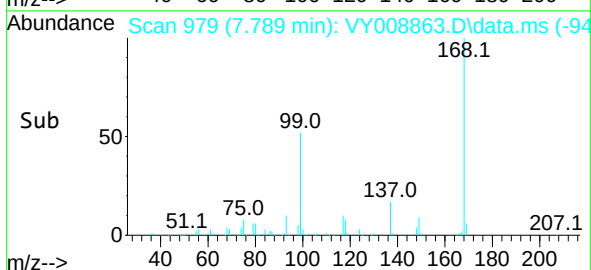
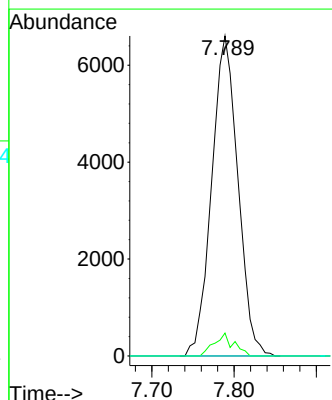
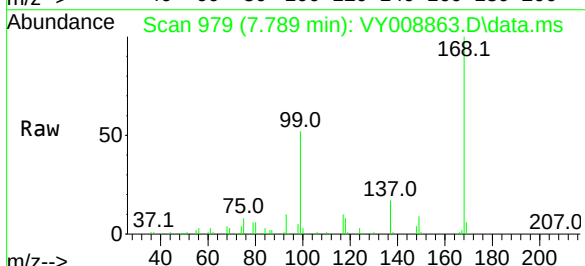
Tgt Ion: 117 Resp: 14627

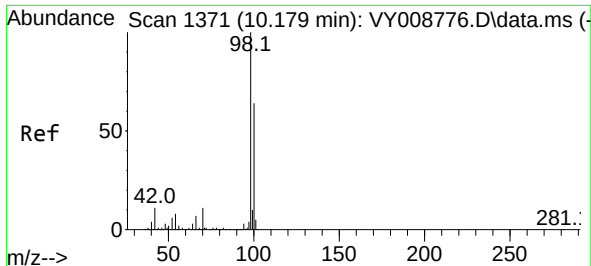
Ion Ratio Lower Upper

117 100

119 7.2 77.9 116.9#

121 0.0 24.8 37.2#

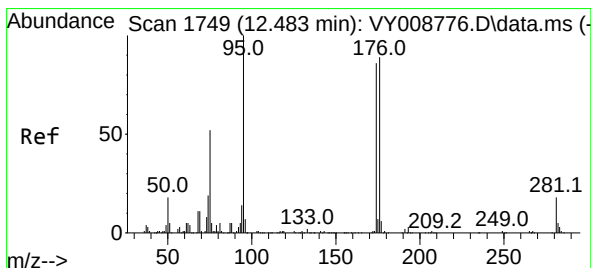
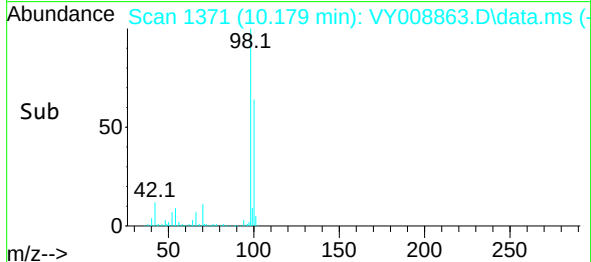
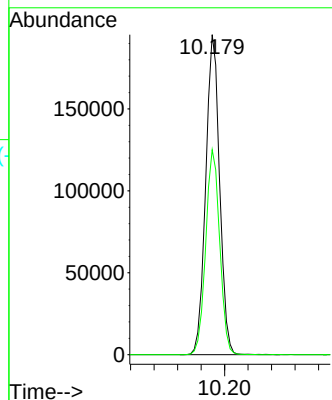
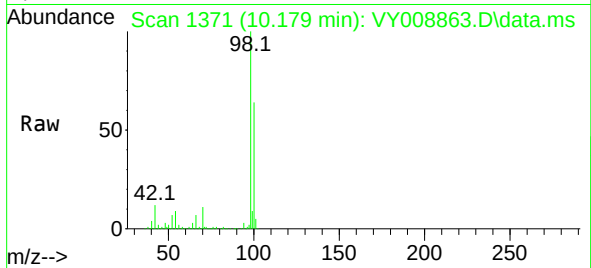




#50
Toluene-d8
Concen: 48.880 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

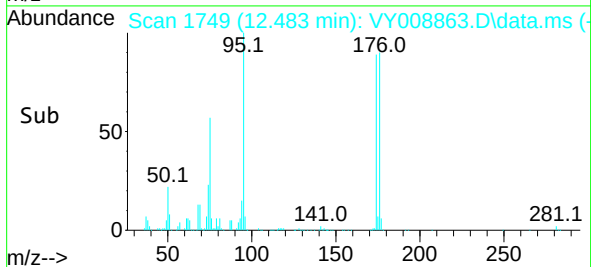
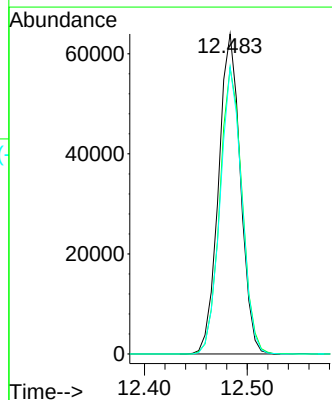
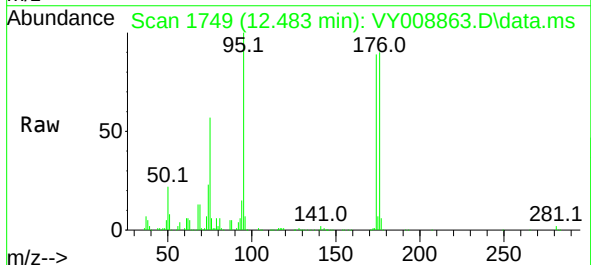
Instrument :
MSVOA_Y
ClientSampleId :
SB21

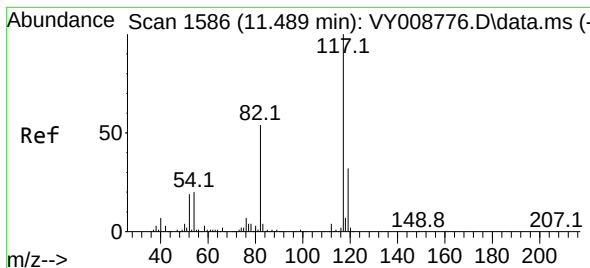
Tgt Ion: 98 Resp: 320722
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.946 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 95 Resp: 94434
Ion Ratio Lower Upper
95 100
174 90.7 0.0 177.0
176 88.3 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: VY008863.D

Acq: 19 May 2022 13:27

Instrument :

MSVOA_Y

ClientSampleId :

SB21

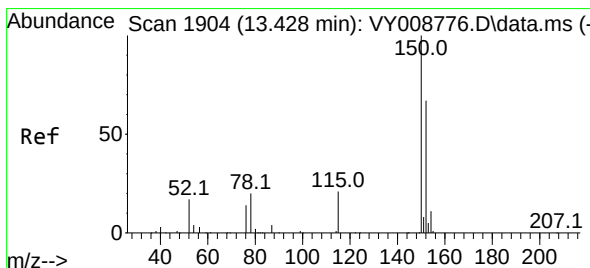
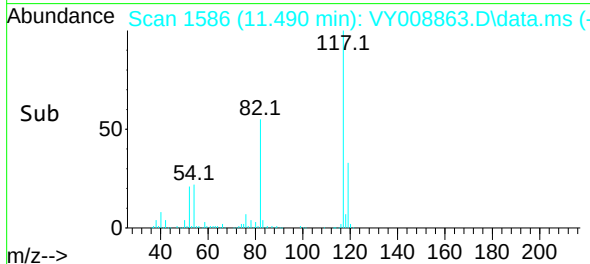
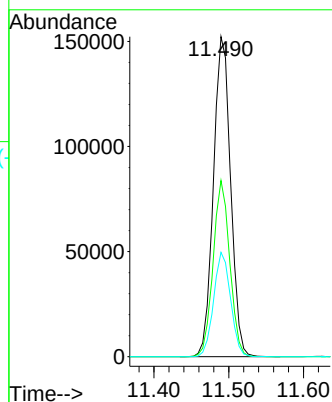
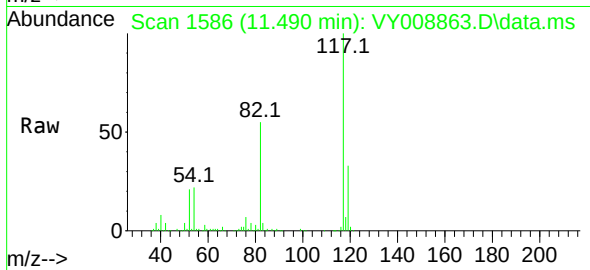
Tgt Ion:117 Resp: 243692

Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.4

119 32.6 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: VY008863.D

Acq: 19 May 2022 13:27

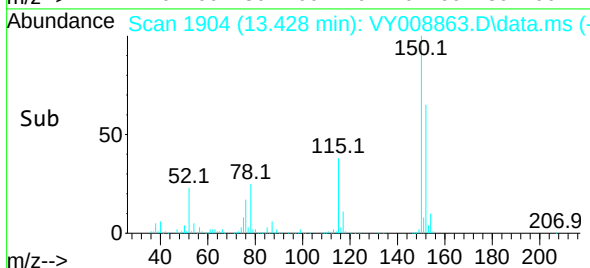
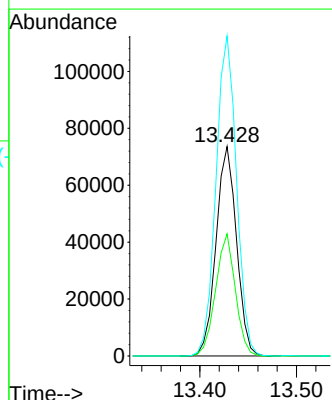
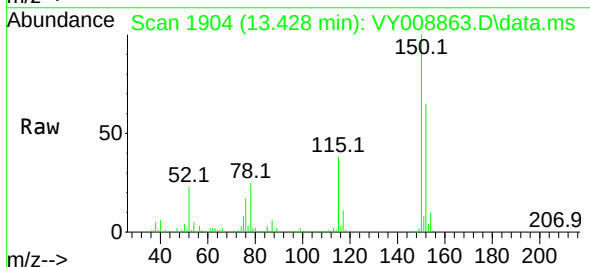
Tgt Ion:152 Resp: 108217

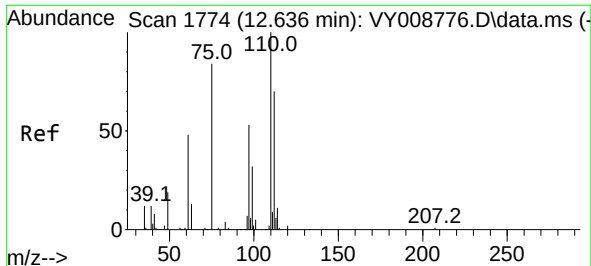
Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.7

150 153.1 0.0 347.6

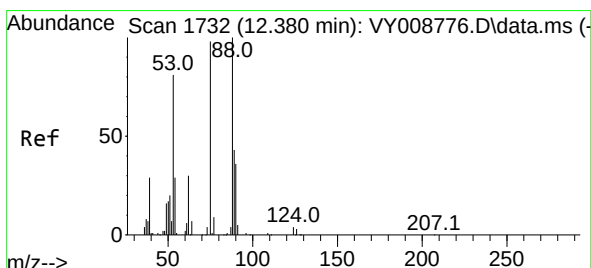
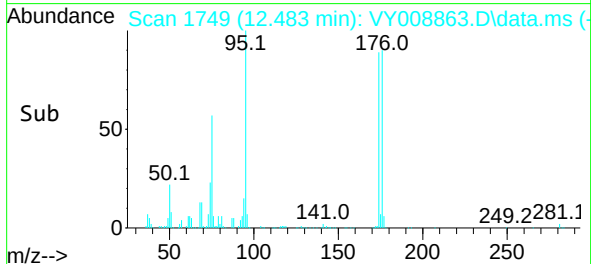
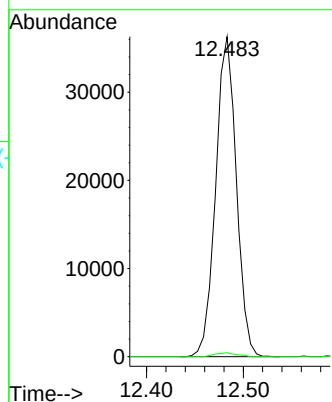
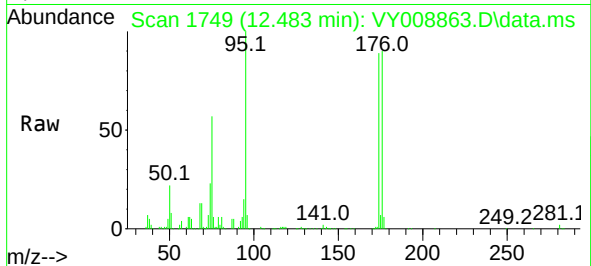




#76
1,2,3-Trichloropropane
Concen: 43.011 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Instrument :
MSVOA_Y
ClientSampleId :
SB21

Tgt Ion: 75 Resp: 53766
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.077 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008863.D
Acq: 19 May 2022 13:27

Tgt Ion: 75 Resp: 53766
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

