

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008894.D
 Acq On : 20 May 2022 02:38
 Operator : KP/MD
 Sample : N2907-03
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GC-3

Quant Time: May 20 04:29:40 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)

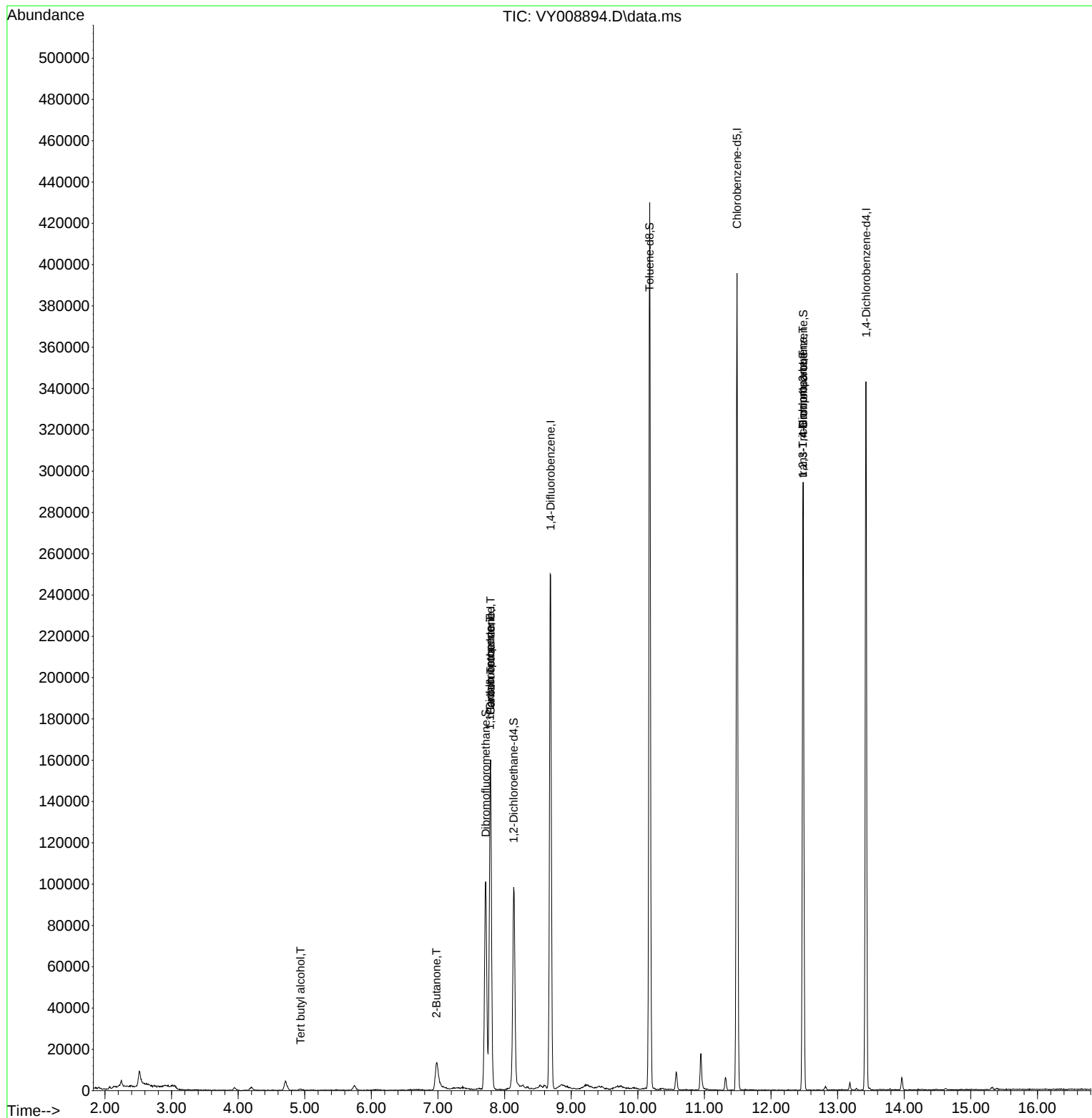
Internal Standards						
1) Pentafluorobenzene	7.789	168	121514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	212057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	197880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71264	63.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.440%	
35) Dibromofluoromethane	7.716	113	66802	53.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.840%	
50) Toluene-d8	10.179	98	267218	48.614	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.220%	
62) 4-Bromofluorobenzene	12.483	95	74259	38.635	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.280%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	424	Below Cal		81
3) Chloromethane	2.119	50	124	Below Cal	#	44
4) Vinyl Chloride	2.247	62	92	Below Cal	#	43
5) Bromomethane	2.668	94	209	Below Cal	#	67
6) Chloroethane	2.966	64	49	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	23	Below Cal	#	21
11) Tert butyl alcohol	4.936	59	661	5.305 ug/l	#	77
16) Acetone	3.948	43	2001	Below Cal		94
20) Methylene Chloride	4.710	84	3184	Below Cal	#	75
25) 2-Butanone	6.978	43	983	2.078 ug/l		93
31) Cyclohexane	7.777	56	3011	Below Cal	#	43
36) 1,1-Dichloropropene	7.783	75	10270	5.175 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	12160	5.718 ug/l	#	14
76) 1,2,3-Trichloropropane	12.477	75	42070	43.316 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	42070	94.745 ug/l	#	7

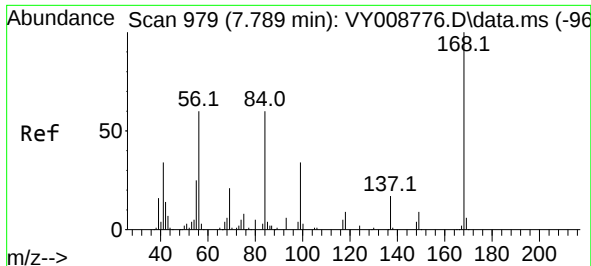
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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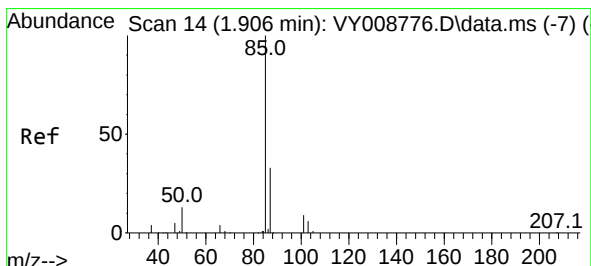
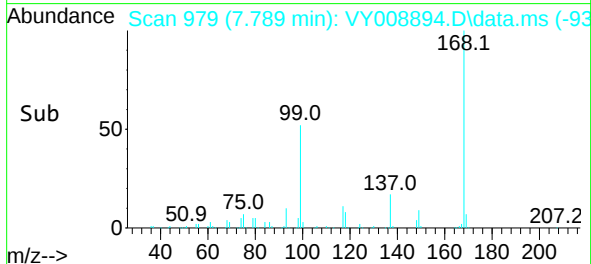
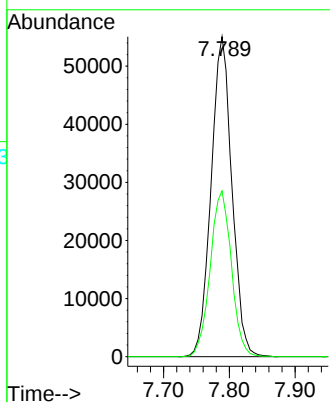
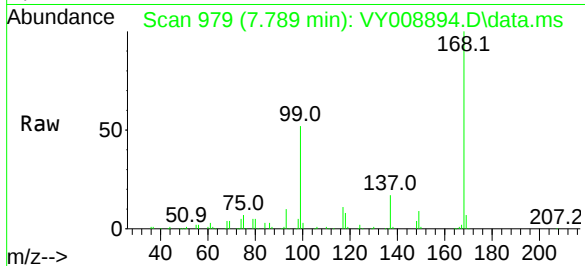




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

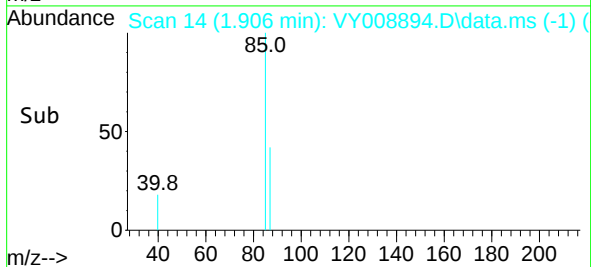
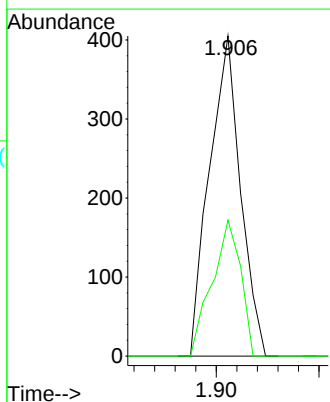
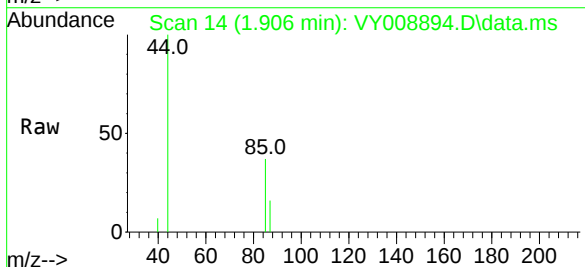
Instrument :
MSVOA_Y
ClientSampleId :
GC-3

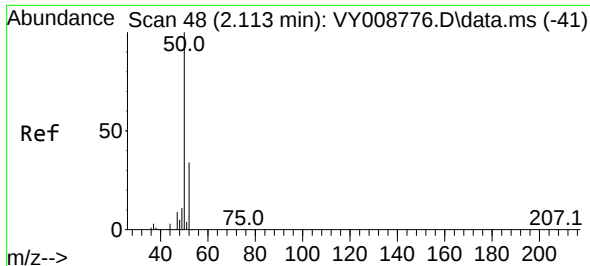
Tgt Ion:168 Resp: 121514
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

Tgt Ion: 85 Resp: 424
Ion Ratio Lower Upper
85 100
87 42.5 16.1 48.2

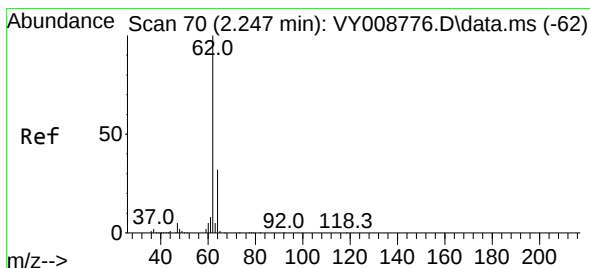
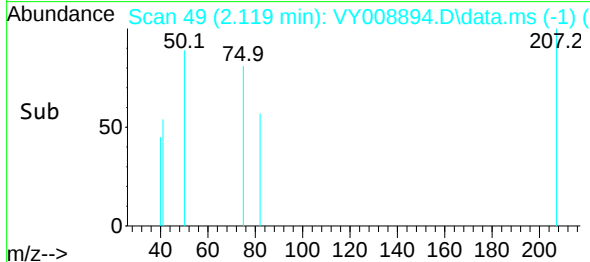
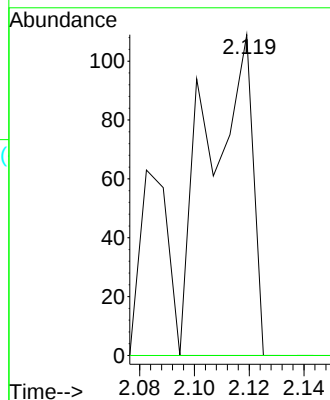
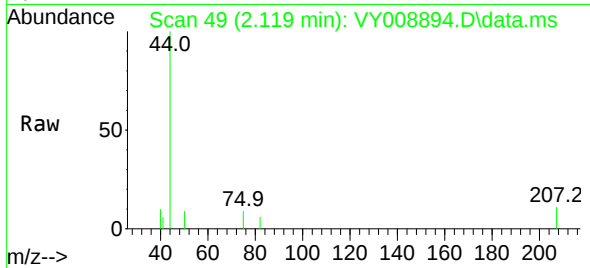




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

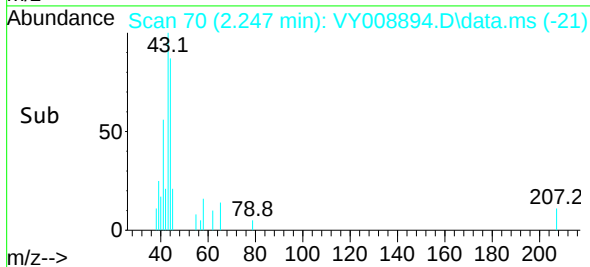
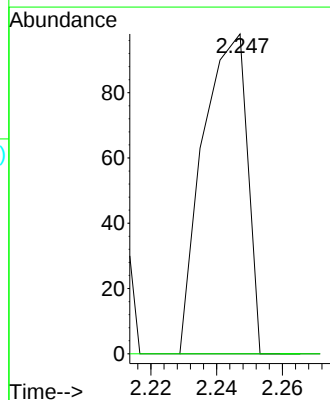
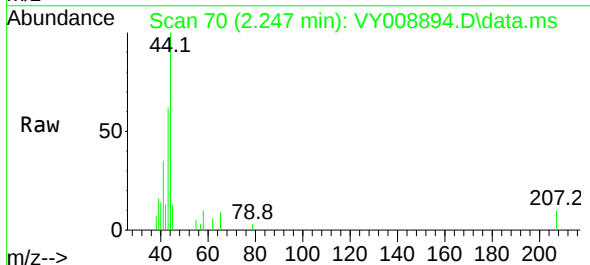
Instrument :
MSVOA_Y
ClientSampleId :
GC-3

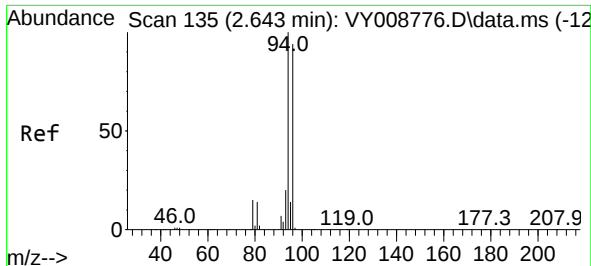
Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

Tgt Ion: 62 Resp: 92
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

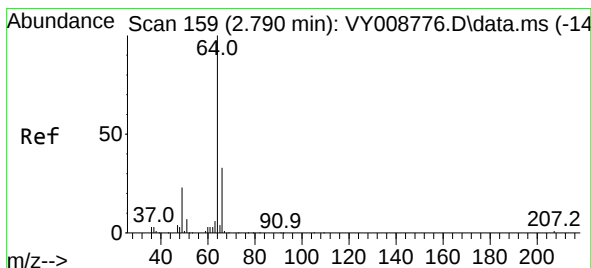
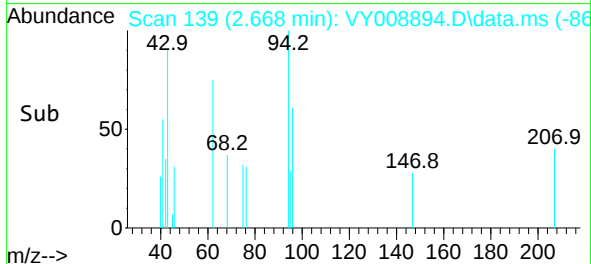
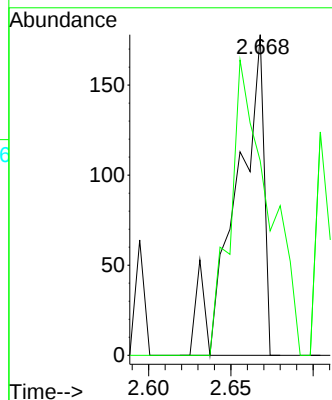
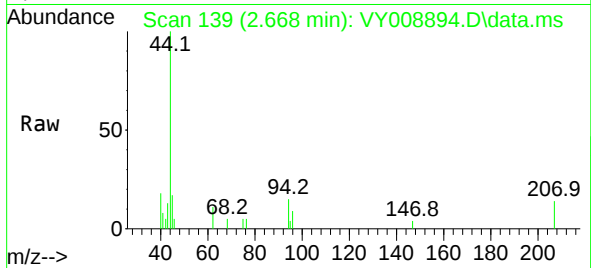




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

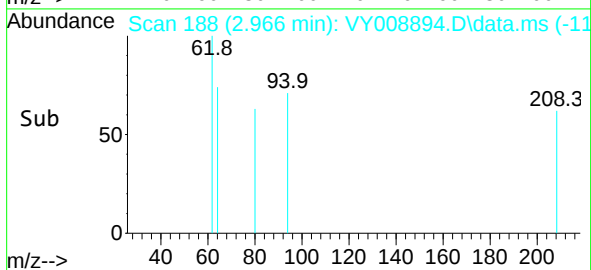
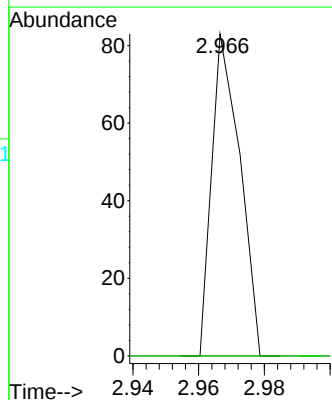
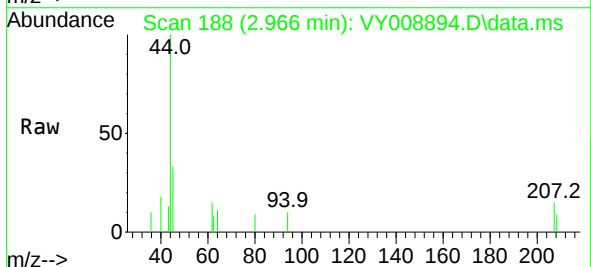
Instrument :
MSVOA_Y
ClientSampleId :
GC-3

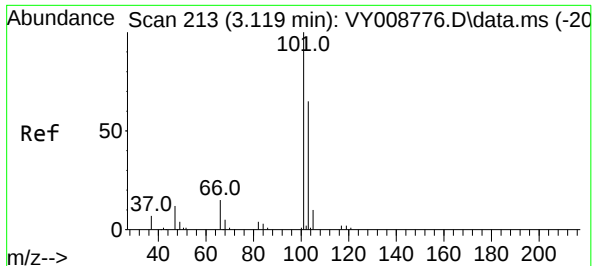
Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 60.7 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.966 min Scan# 188
Delta R.T. 0.176 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

Tgt Ion: 64 Resp: 49
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

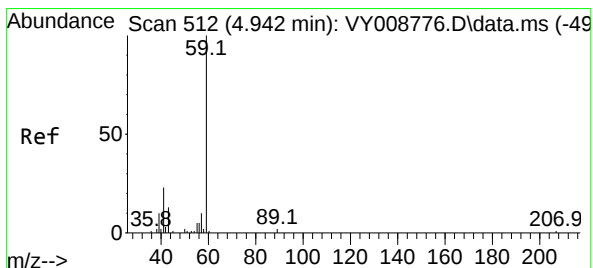
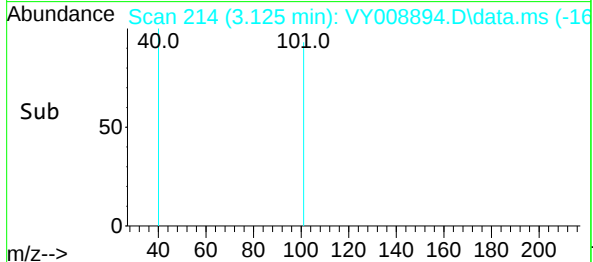
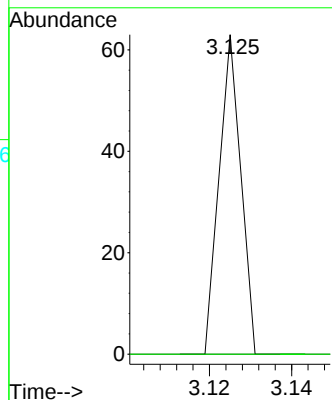
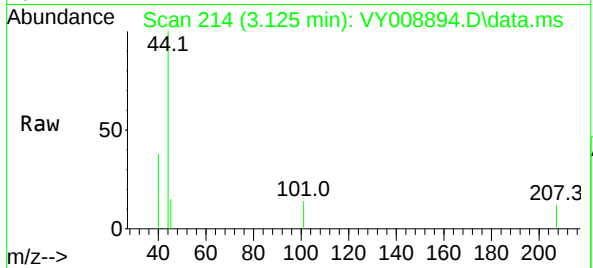




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

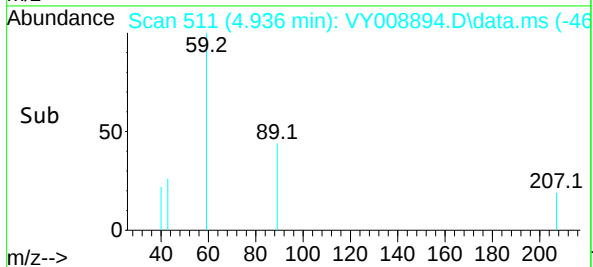
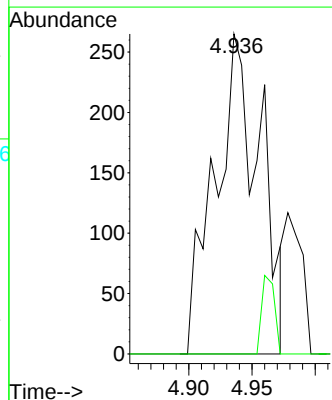
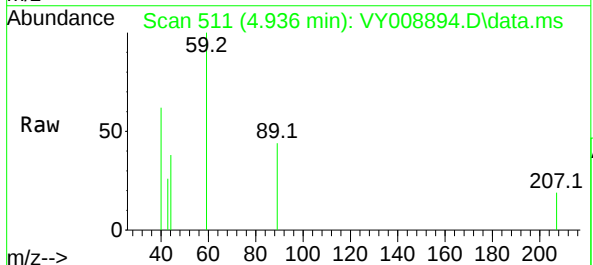
Instrument :
MSVOA_Y
ClientSampleId :
GC-3

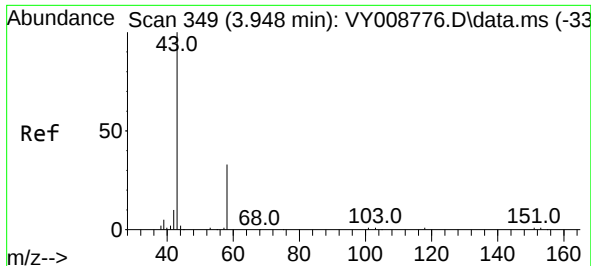
Tgt Ion:101 Resp: 23
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 5.305 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

Tgt Ion: 59 Resp: 661
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

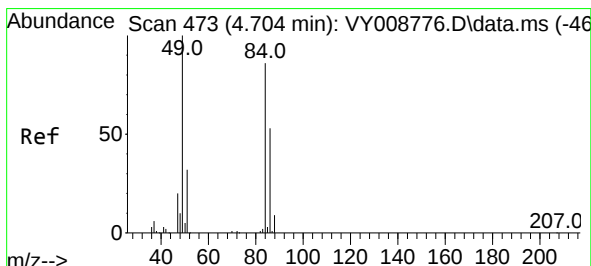
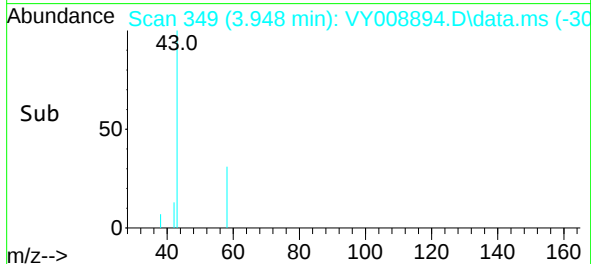
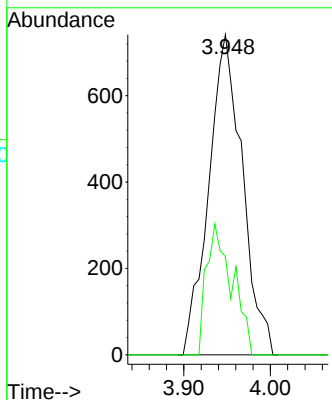
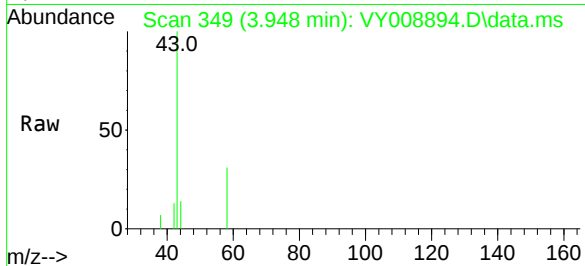




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

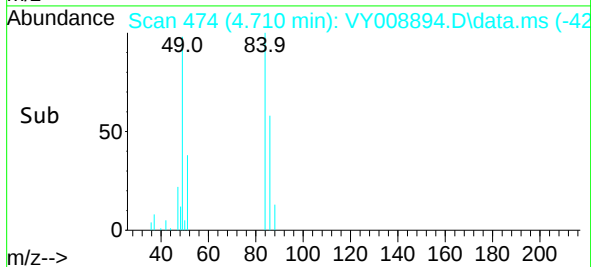
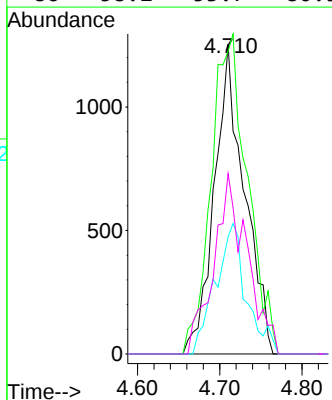
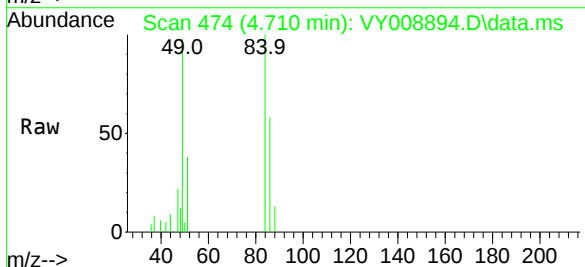
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GC-3

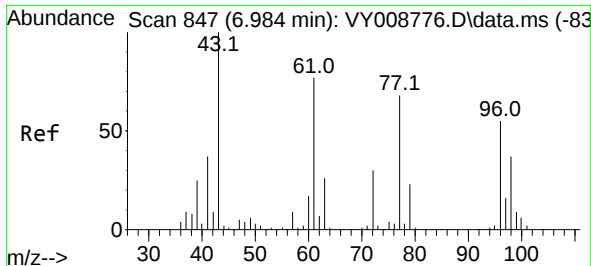
Tgt Ion: 43 Resp: 2001
Ion Ratio Lower Upper
43 100
58 30.6 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

Tgt Ion: 84 Resp: 3184
Ion Ratio Lower Upper
84 100
49 97.8 114.4 171.6#
51 37.8 35.3 52.9
86 58.2 53.7 80.5





#25

2-Butanone

Concen: 2.078 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY008894.D

Acq: 20 May 2022 02:38

Instrument :

MSVOA_Y

ClientSampleId :

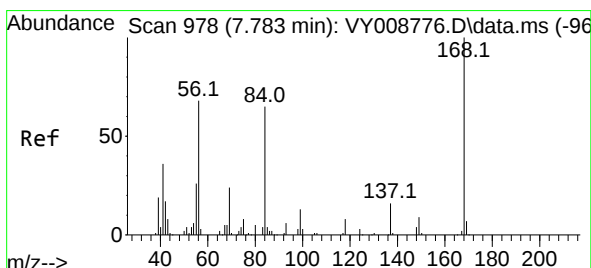
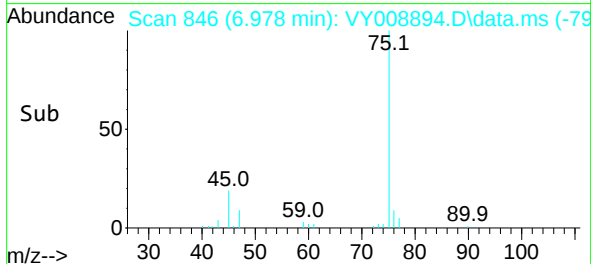
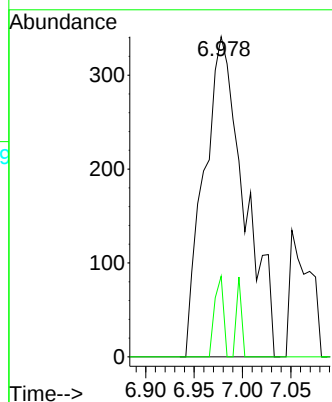
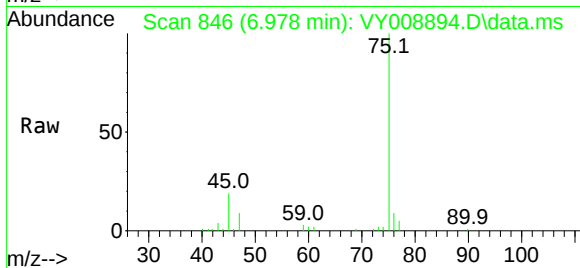
GC-3

Tgt Ion: 43 Resp: 983

Ion Ratio Lower Upper

43 100

72 25.2 17.7 26.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY008894.D

Acq: 20 May 2022 02:38

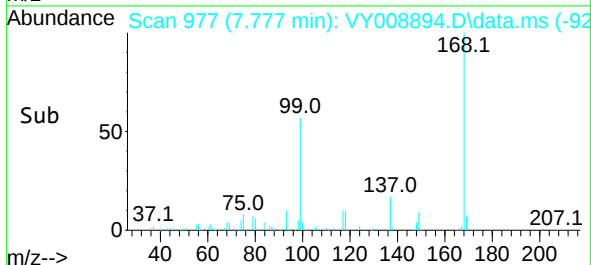
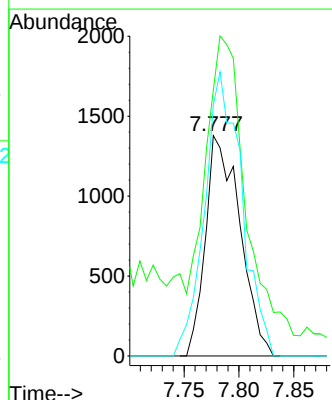
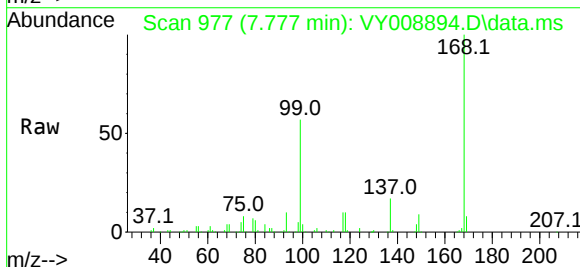
Tgt Ion: 56 Resp: 3011

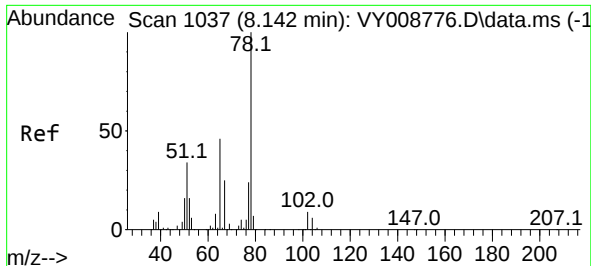
Ion Ratio Lower Upper

56 100

69 100.7 26.7 40.1#

84 114.0 67.2 100.8#

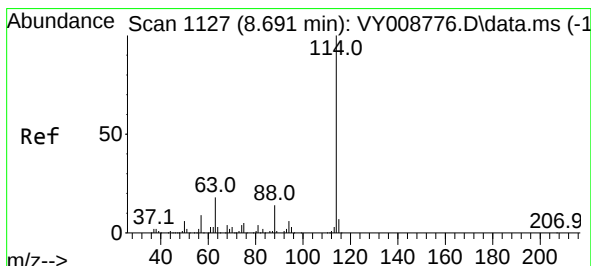
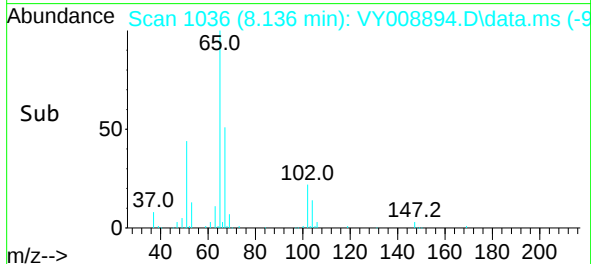
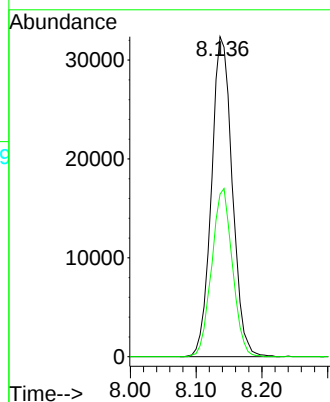
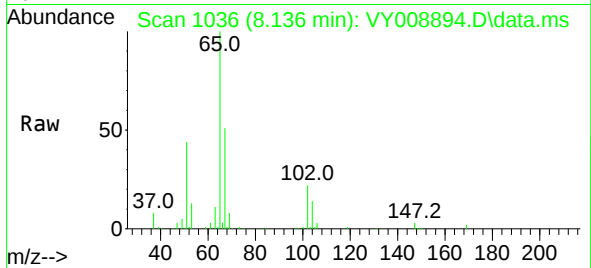




#33
 1,2-Dichloroethane-d4
 Concen: 63.217 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY008894.D
 Acq: 20 May 2022 02:38

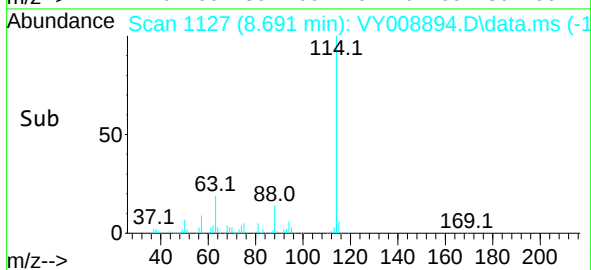
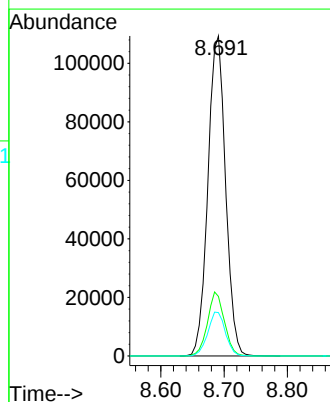
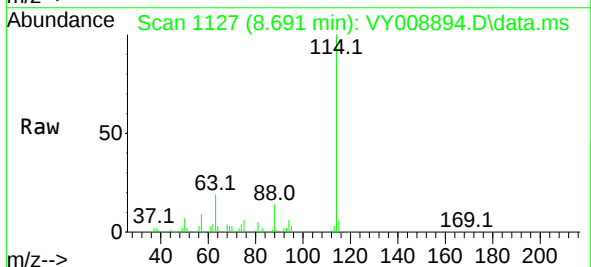
Instrument :
 MSVOA_Y
 ClientSampleId :
 GC-3

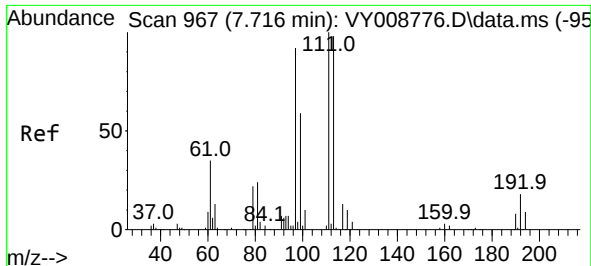
Tgt Ion: 65 Resp: 71264
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY008894.D
 Acq: 20 May 2022 02:38

Tgt Ion: 114 Resp: 212057
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.2
 88 13.6 0.0 31.8

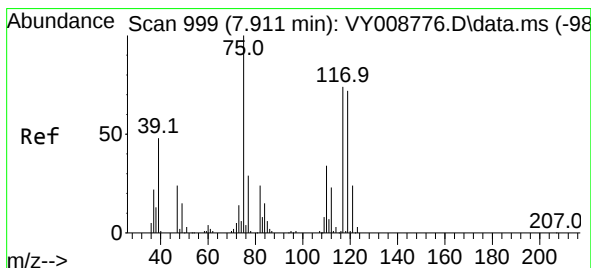
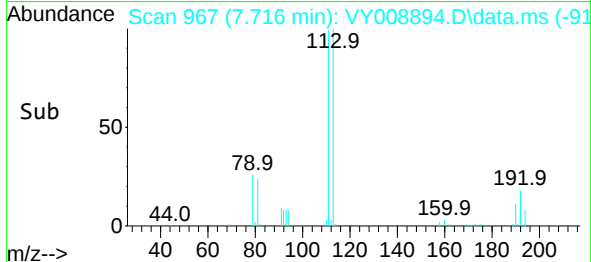
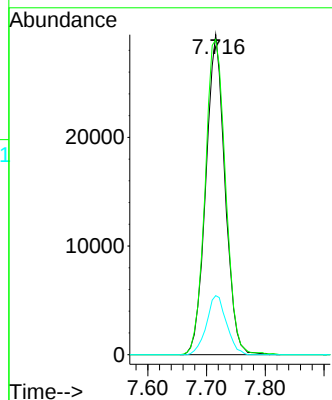
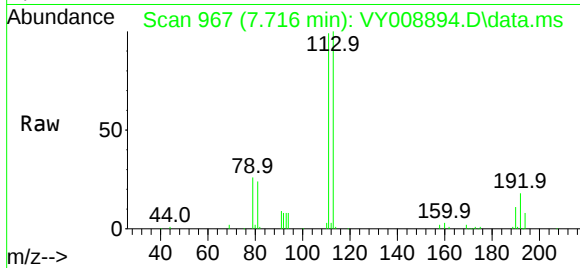




#35
Dibromofluoromethane
Concen: 53.916 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

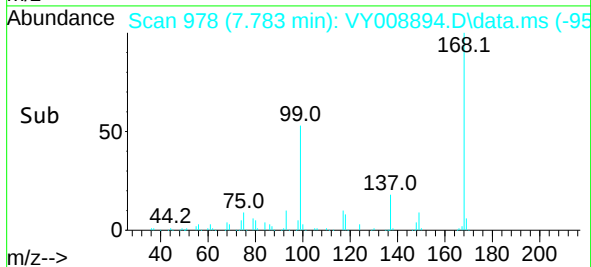
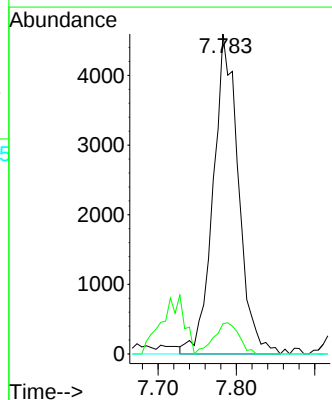
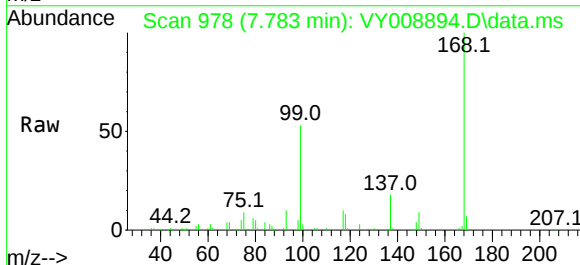
Instrument :
MSVOA_Y
ClientSampleId :
GC-3

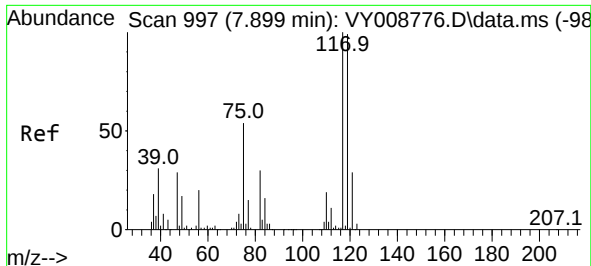
Tgt Ion:113 Resp: 66802
Ion Ratio Lower Upper
113 100
111 105.0 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.175 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

Tgt Ion: 75 Resp: 10270
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

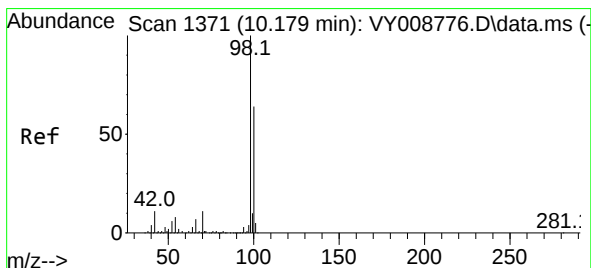
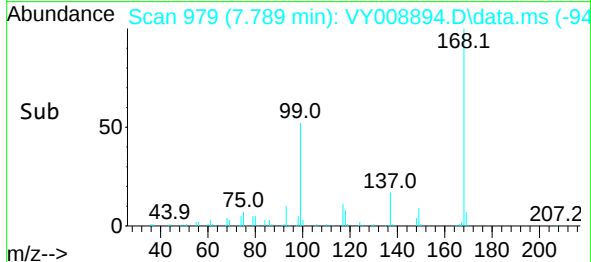
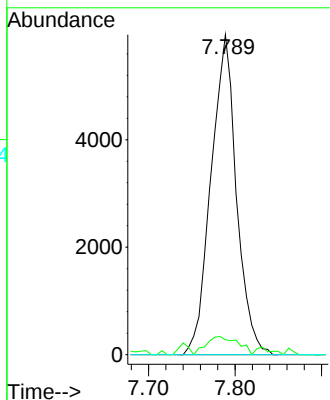
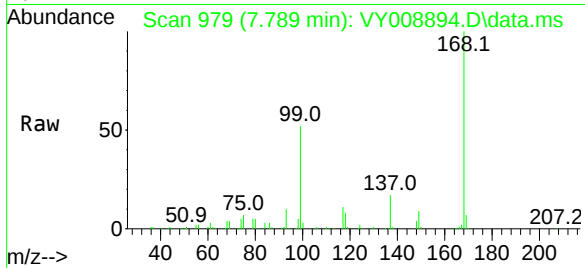




#38
Carbon Tetrachloride
Concen: 5.718 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

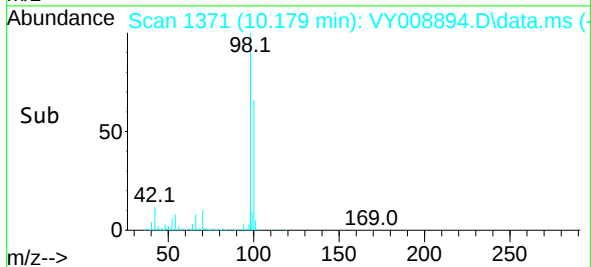
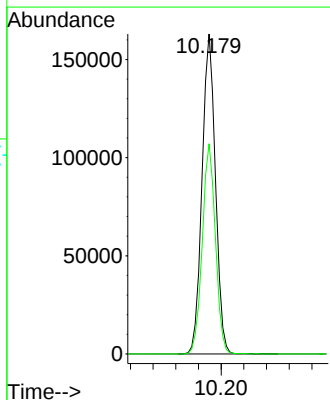
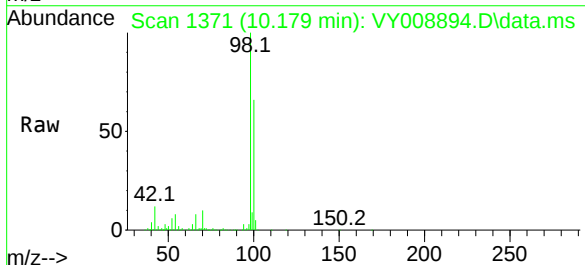
Instrument :
MSVOA_Y
ClientSampleId :
GC-3

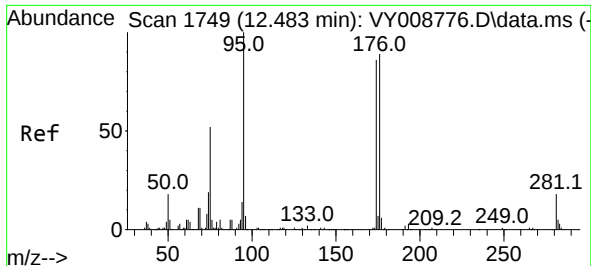
Tgt Ion:117 Resp: 12160
Ion Ratio Lower Upper
117 100
119 3.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.614 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

Tgt Ion: 98 Resp: 267218
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

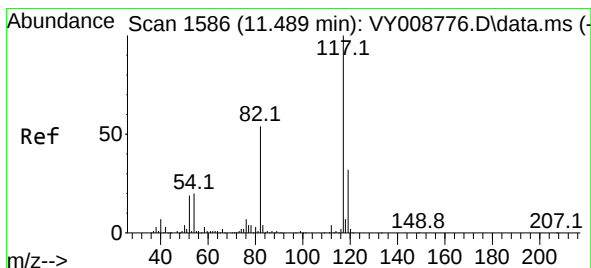
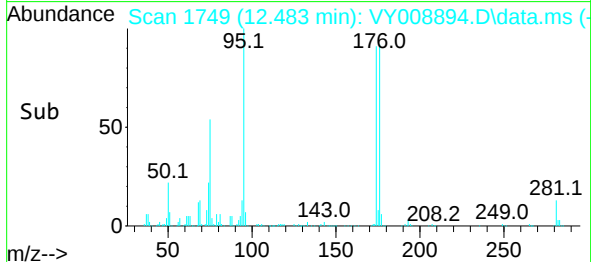
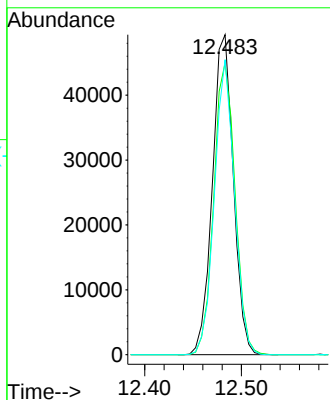
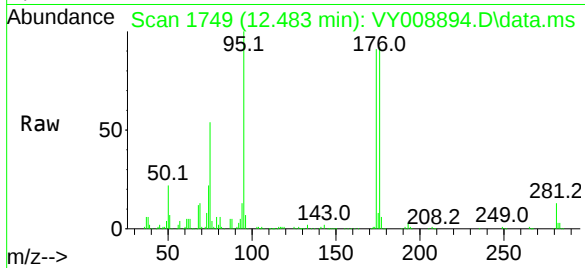




#62
4-Bromofluorobenzene
Concen: 38.635 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

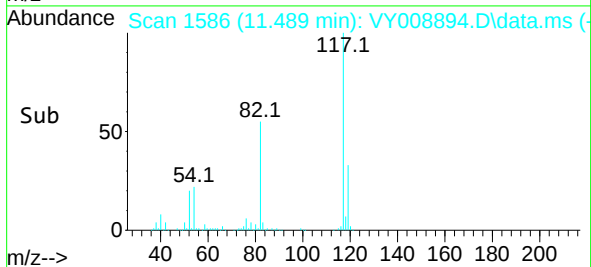
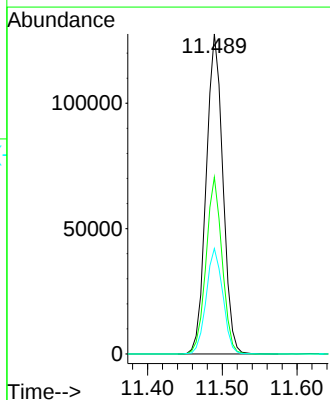
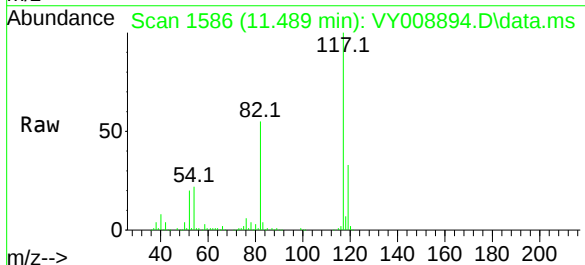
Instrument :
MSVOA_Y
ClientSampleId :
GC-3

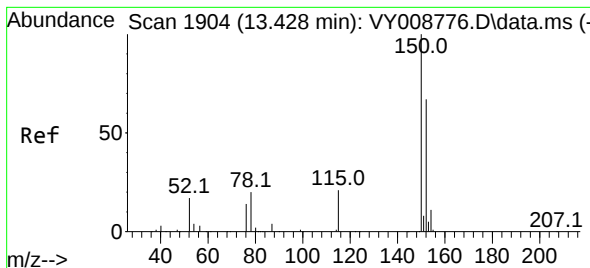
Tgt Ion: 95 Resp: 74259
Ion Ratio Lower Upper
95 100
174 92.3 0.0 177.0
176 88.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008894.D
Acq: 20 May 2022 02:38

Tgt Ion: 117 Resp: 197880
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 33.0 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: VY008894.D

Acq: 20 May 2022 02:38

Instrument :

MSVOA_Y

ClientSampleId :

GC-3

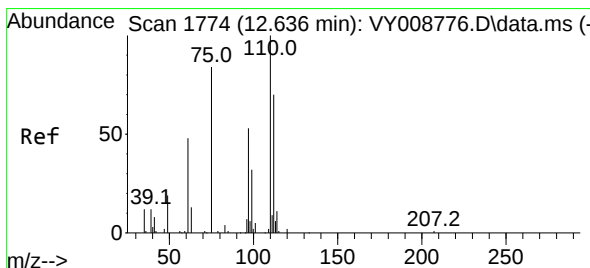
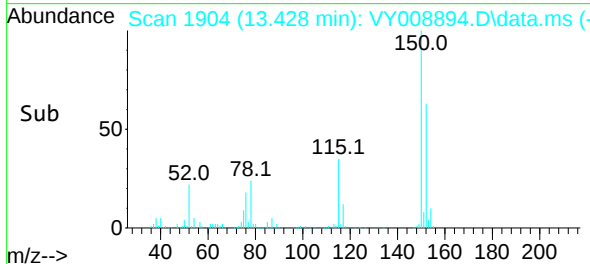
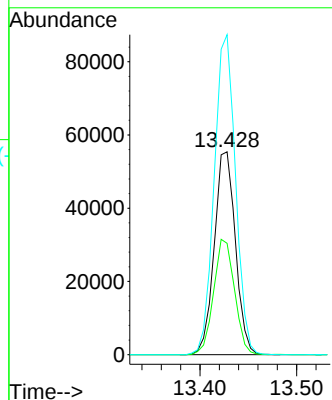
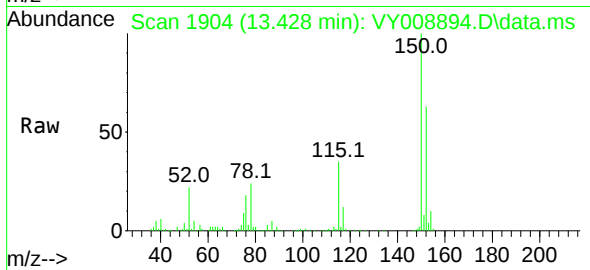
Tgt Ion:152 Resp: 84079

Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.7

150 158.5 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 43.316 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY008894.D

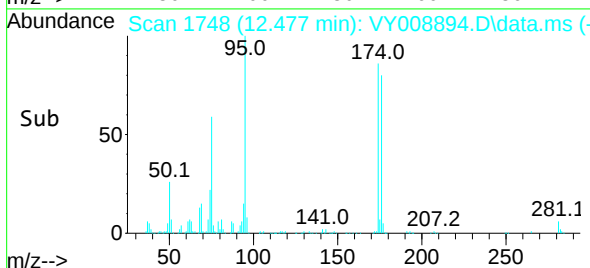
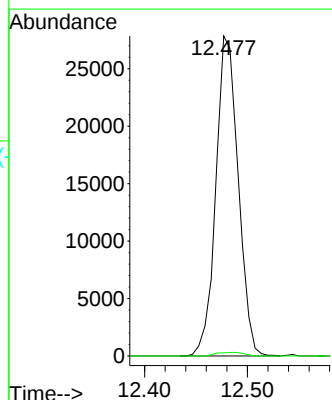
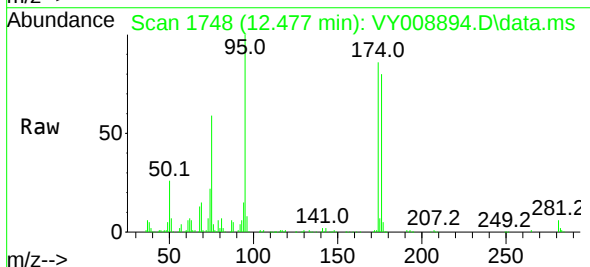
Acq: 20 May 2022 02:38

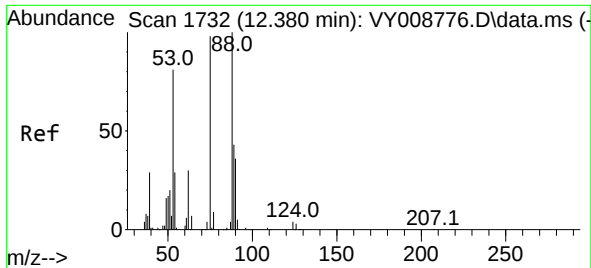
Tgt Ion: 75 Resp: 42070

Ion Ratio Lower Upper

75 100

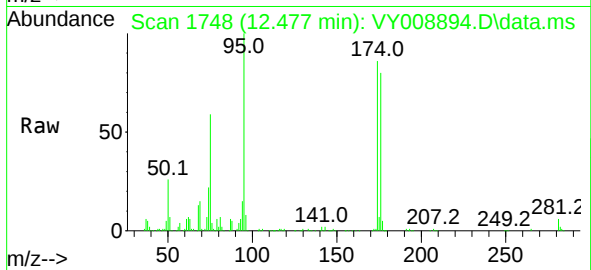
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.745 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY008894.D
 Acq: 20 May 2022 02:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 GC-3



Tgt Ion: 75 Resp: 42070
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

