

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008905.D
 Acq On : 20 May 2022 06:56
 Operator : KP/MD
 Sample : N2868-15
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS001-2430-01

Quant Time: May 20 08:22:43 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)

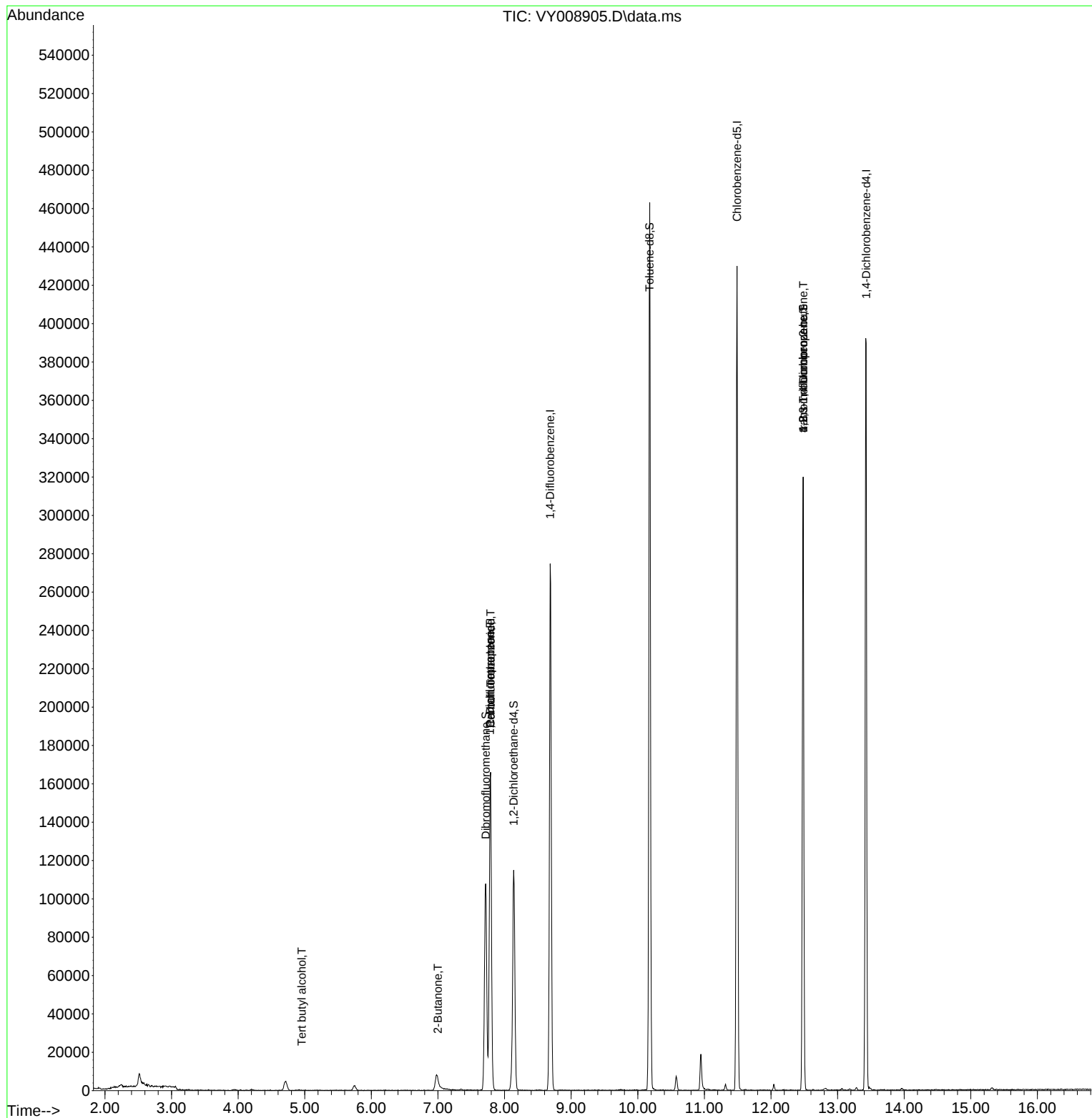
Internal Standards						
1) Pentafluorobenzene	7.789	168	125758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	226477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	219566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	82669	70.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.720%	
35) Dibromofluoromethane	7.716	113	74755	56.493	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.980%	
50) Toluene-d8	10.179	98	288782	49.154	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.483	95	84139	40.776	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.560%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	435	Below Cal	#	56
3) Chloromethane	2.113	50	123	Below Cal	#	44
4) Vinyl Chloride	2.241	62	42	Below Cal	#	43
5) Bromomethane	2.644	94	60	Below Cal	#	4
6) Chloroethane	2.619	64	21	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	100	Below Cal	#	21
11) Tert butyl alcohol	4.954	59	183	1.419 ug/l	#	77
16) Acetone	3.954	43	903	Below Cal	#	47
18) Methyl Acetate	4.479	43	22	Below Cal	#	56
20) Methylene Chloride	4.704	84	3479	Below Cal	#	75
25) 2-Butanone	6.997	43	713	1.456 ug/l	#	54
31) Cyclohexane	7.783	56	3054	Below Cal	#	31
36) 1,1-Dichloropropene	7.783	75	10912	5.149 ug/l	#	52
38) Carbon Tetrachloride	7.789	117	12458	5.485 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	48085	44.197 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48085	96.672 ug/l	#	7

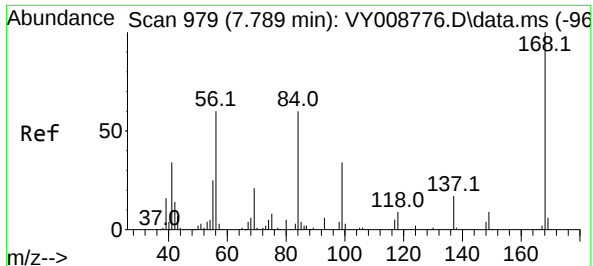
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P022-SS001-2430-01

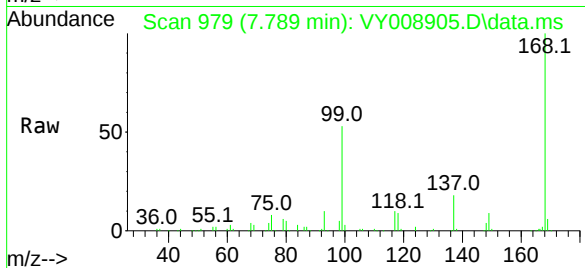
Quant Time: May 20 08:22:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
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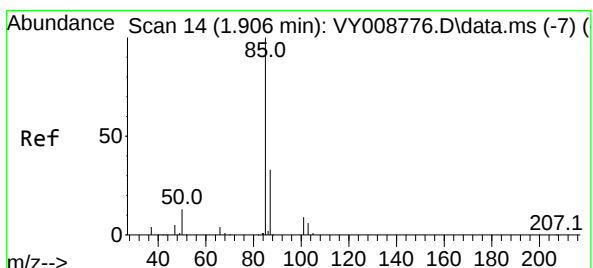
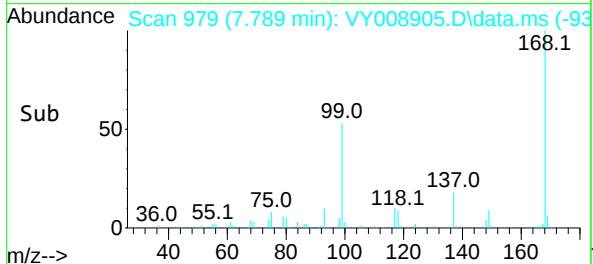
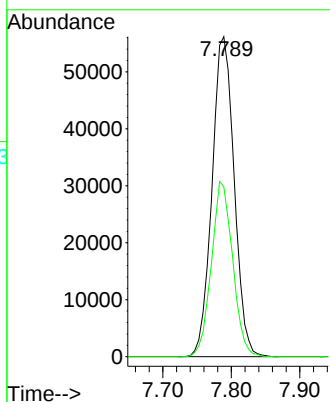


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

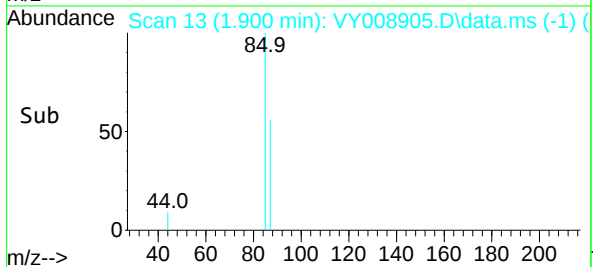
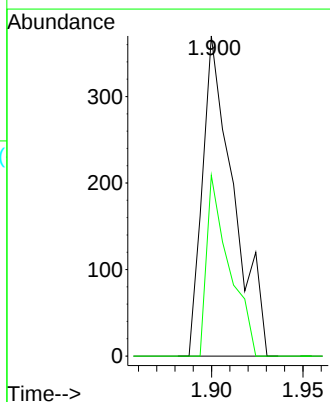
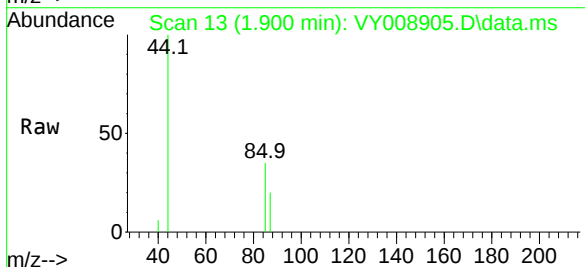


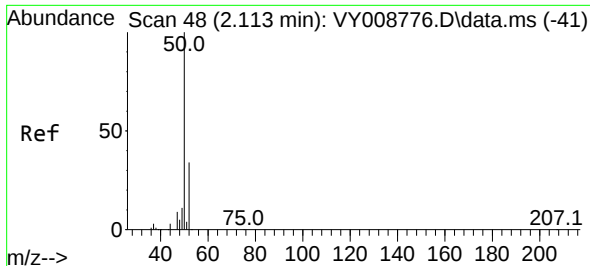
Tgt Ion:168 Resp: 125758
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 85 Resp: 435
Ion Ratio Lower Upper
85 100
87 56.5 16.1 48.2#

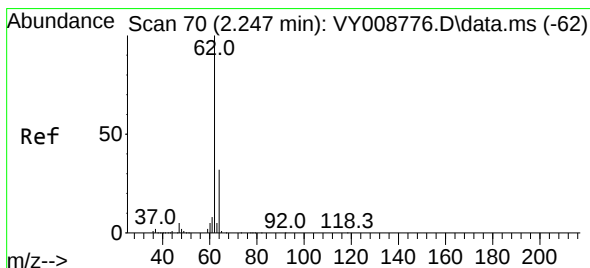
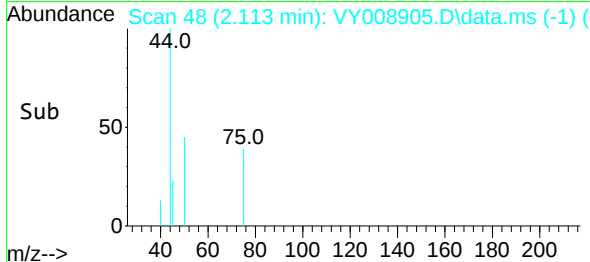
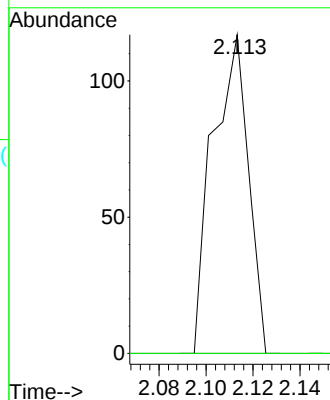
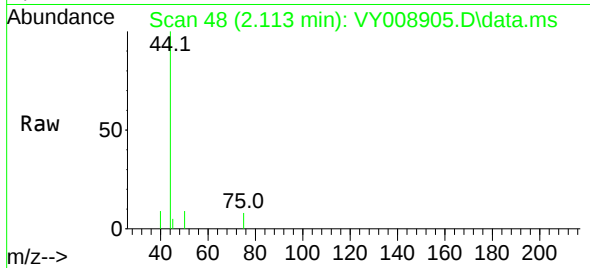




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

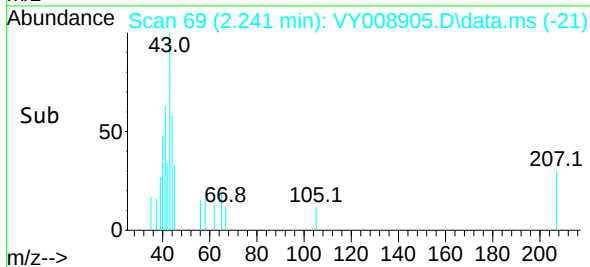
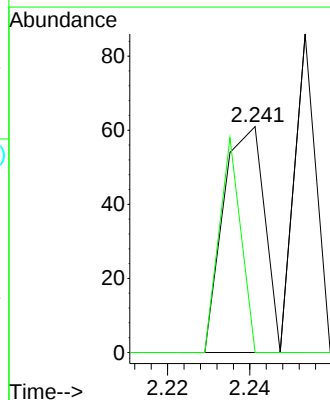
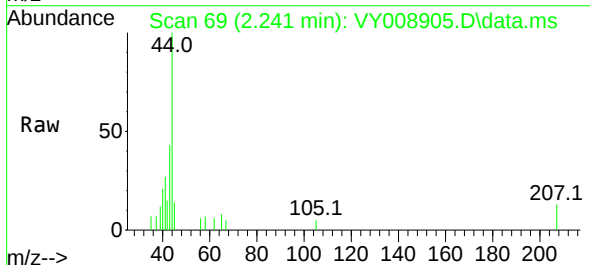
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

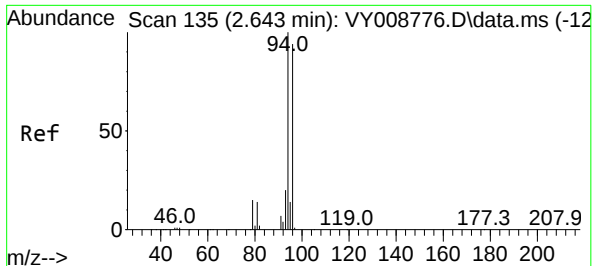
Tgt Ion: 50 Resp: 123
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 62 Resp: 42
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

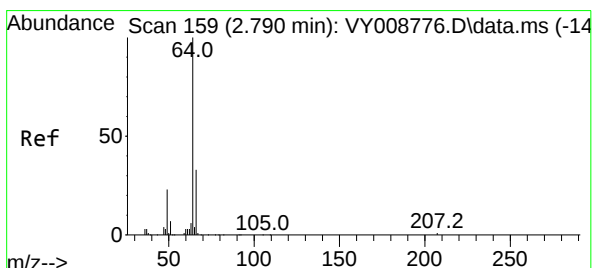
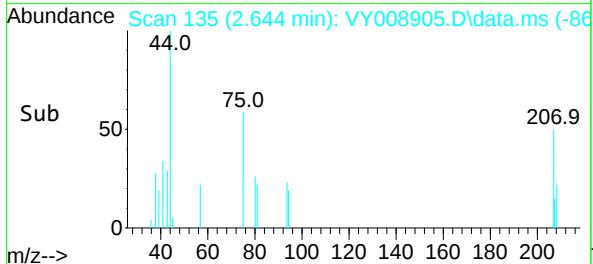
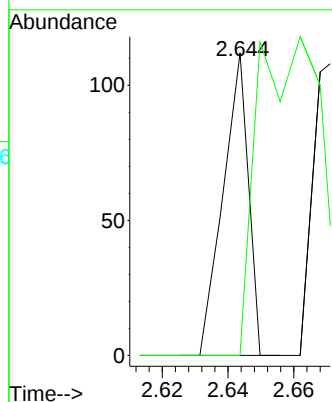
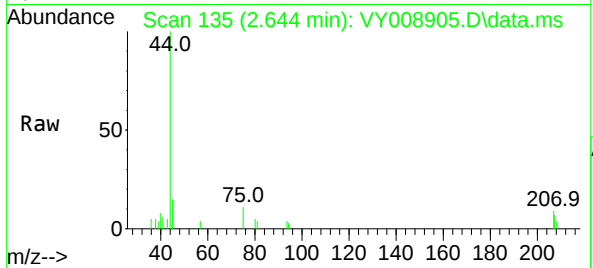




#5
Bromomethane
Concen: Below Cal
RT: 2.644 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

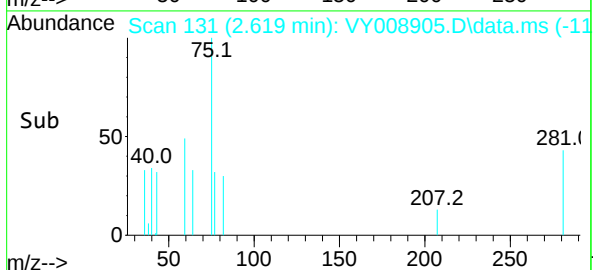
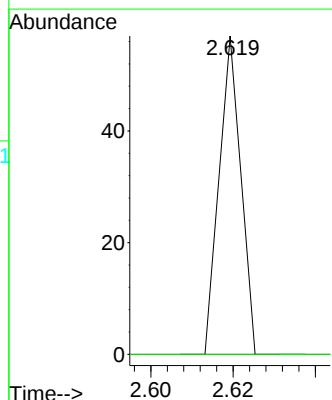
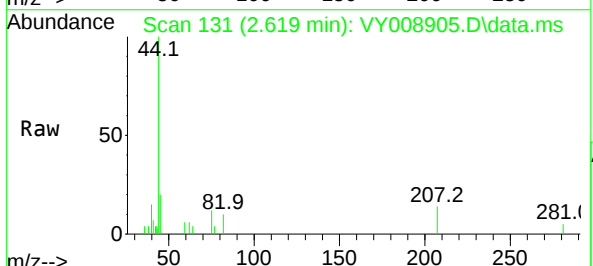
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

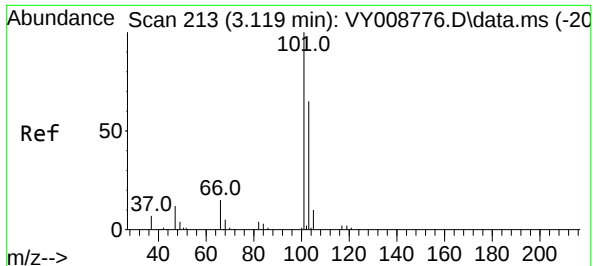
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.619 min Scan# 131
Delta R.T. -0.171 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

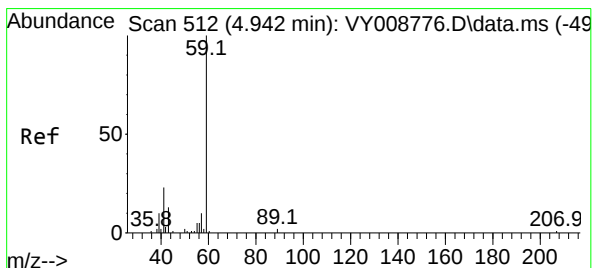
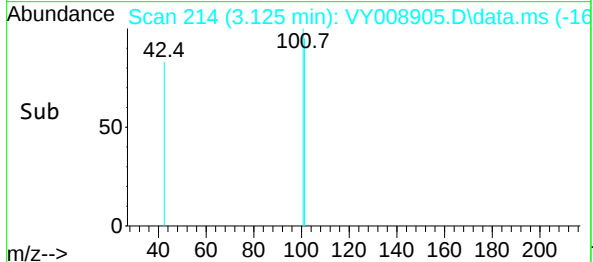
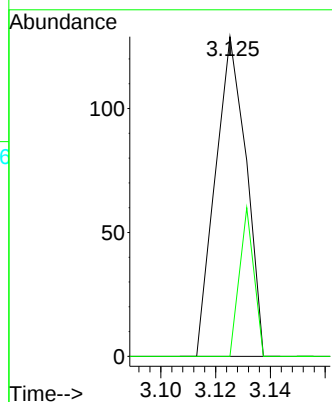
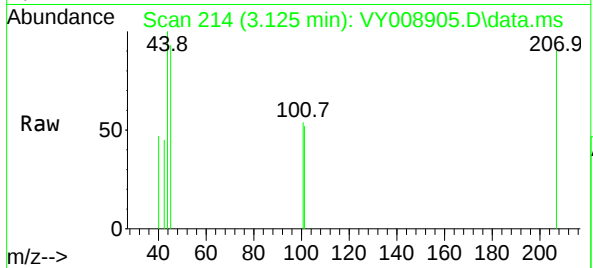




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 213
Delta R.T. 0.006 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

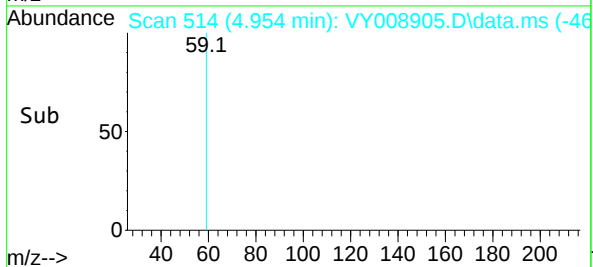
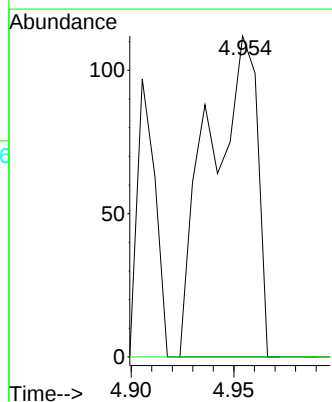
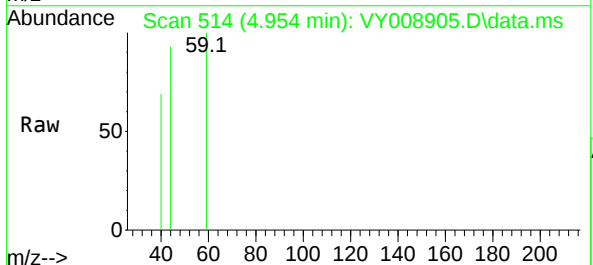
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

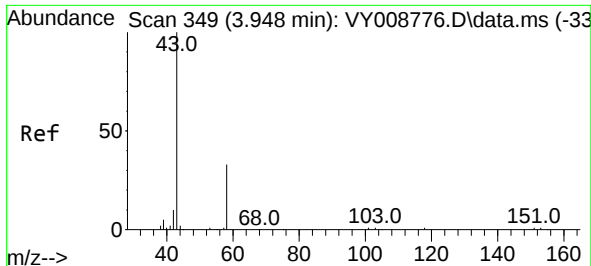
Tgt Ion:101 Resp: 100
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 1.419 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

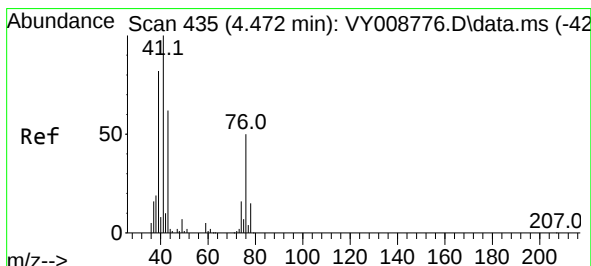
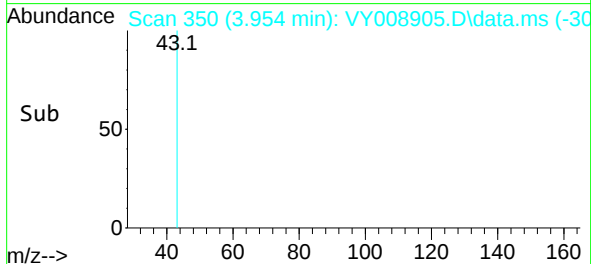
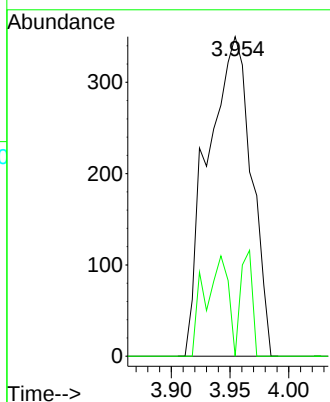
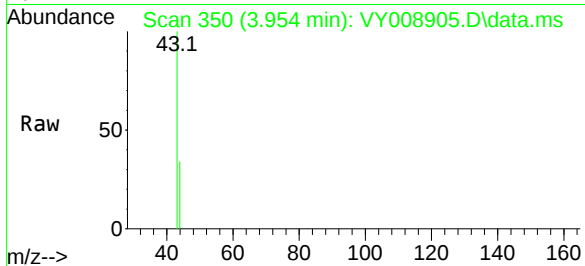




#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

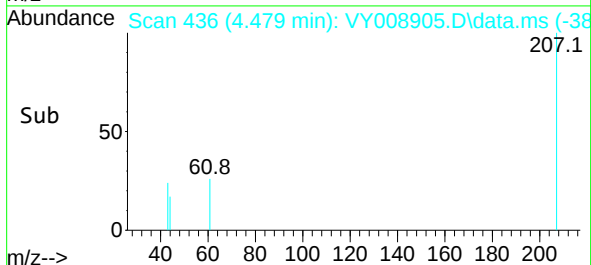
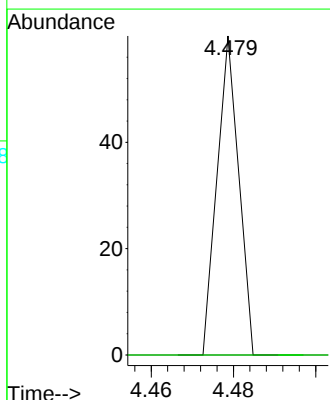
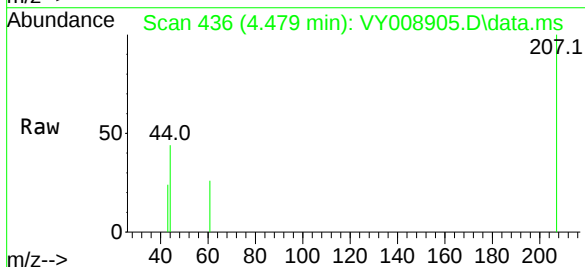
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

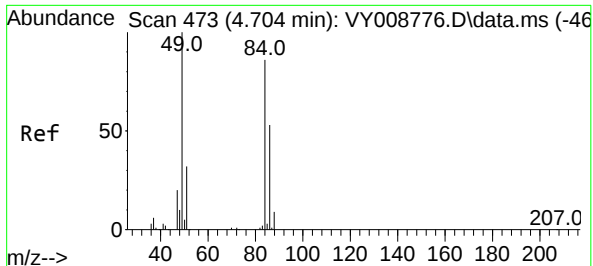
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.007 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008905.D

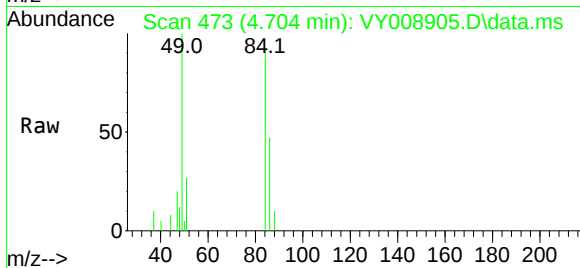
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Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-2430-01



Tgt Ion: 84 Resp: 3479

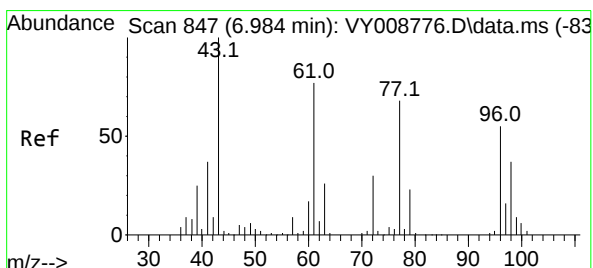
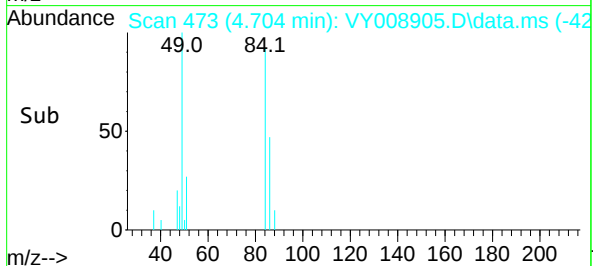
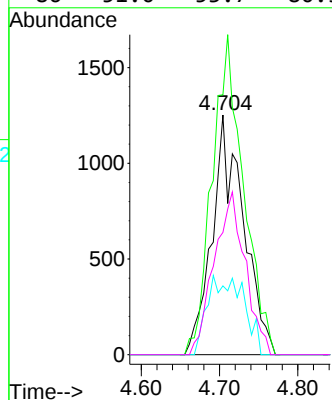
Ion Ratio Lower Upper

84 100

49 108.5 114.4 171.6#

51 28.8 35.3 52.9#

86 51.0 53.7 80.5#



#25

2-Butanone

Concen: 1.456 ug/l

RT: 6.997 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY008905.D

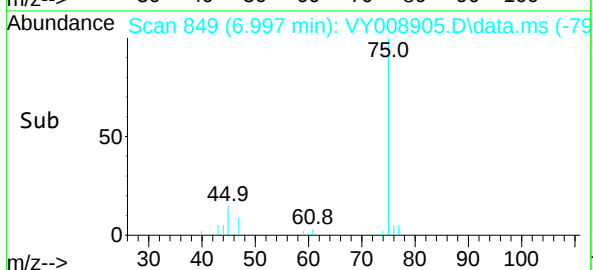
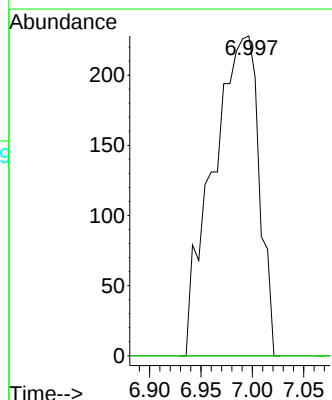
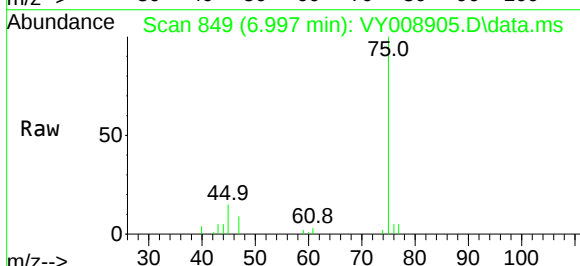
Acq: 20 May 2022 06:56

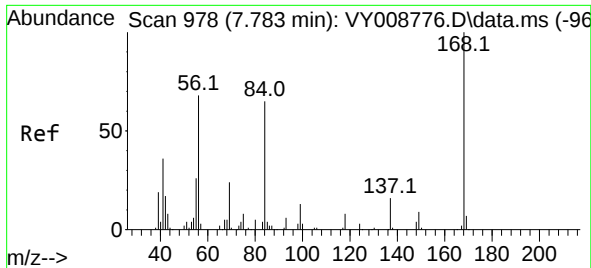
Tgt Ion: 43 Resp: 713

Ion Ratio Lower Upper

43 100

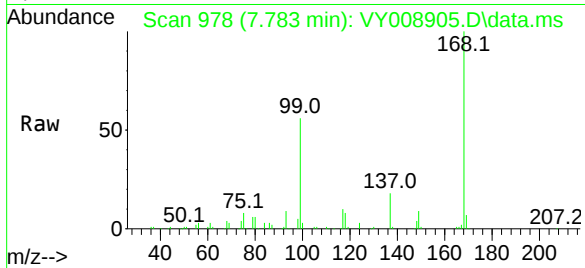
72 0.0 17.7 26.5#



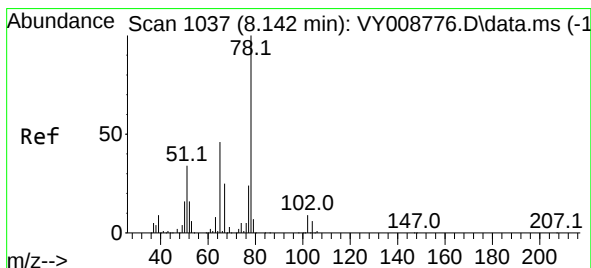
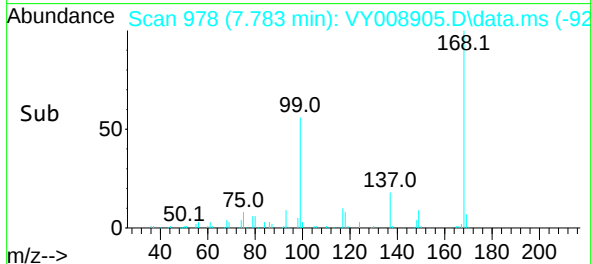
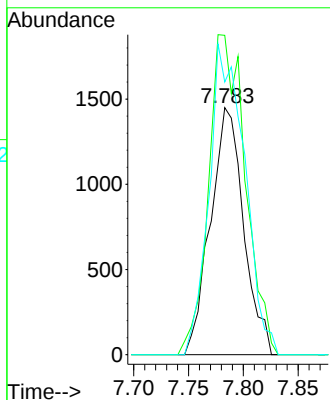


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

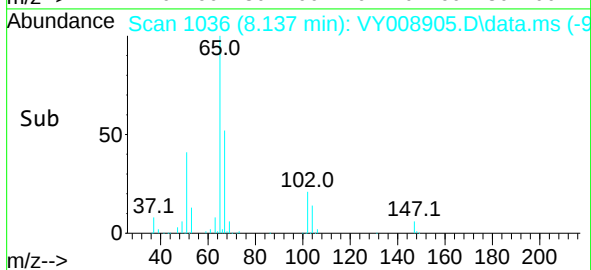
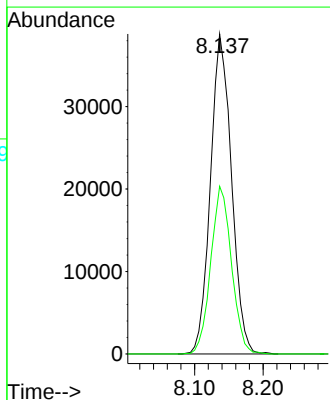
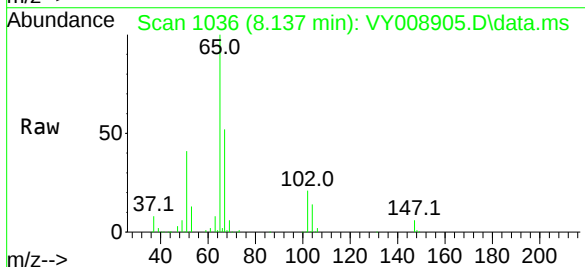


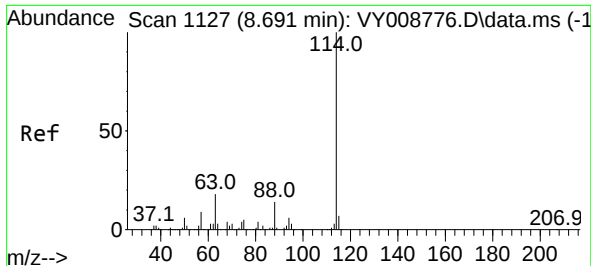
Tgt Ion: 56 Resp: 3054
Ion Ratio Lower Upper
56 100
69 129.2 26.7 40.1#
84 110.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.859 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 65 Resp: 82669
Ion Ratio Lower Upper
65 100
67 51.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008905.D

Acq: 20 May 2022 06:56

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-2430-01

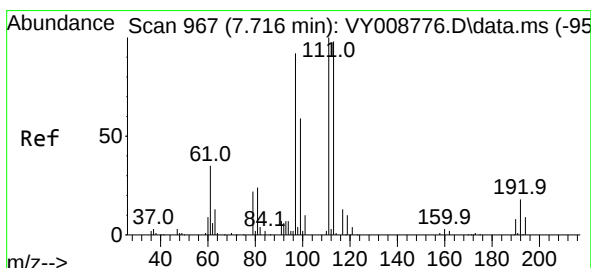
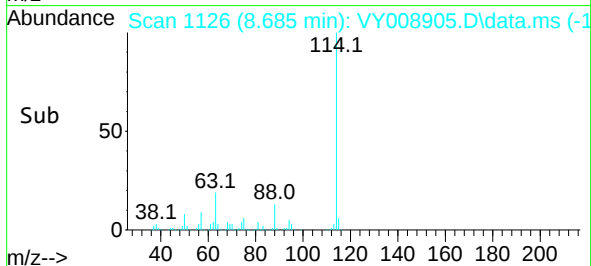
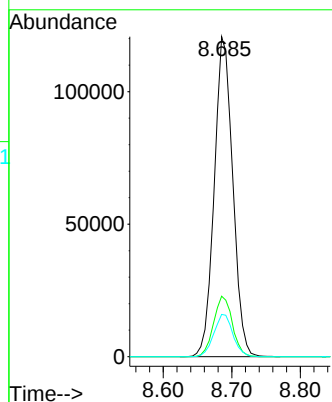
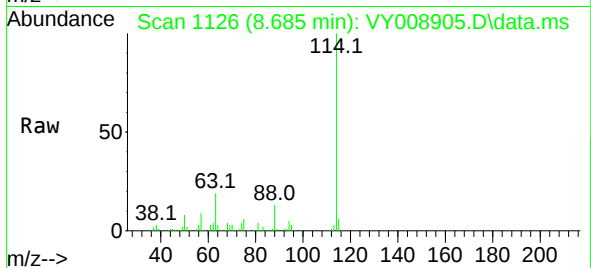
Tgt Ion:114 Resp: 226477

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 13.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.493 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008905.D

Acq: 20 May 2022 06:56

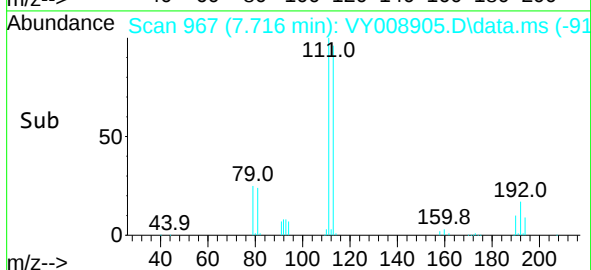
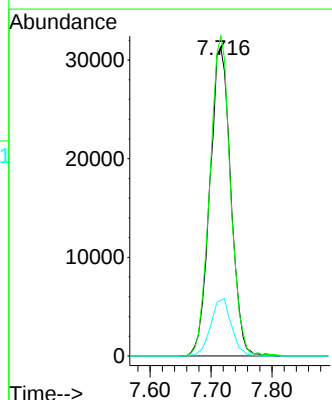
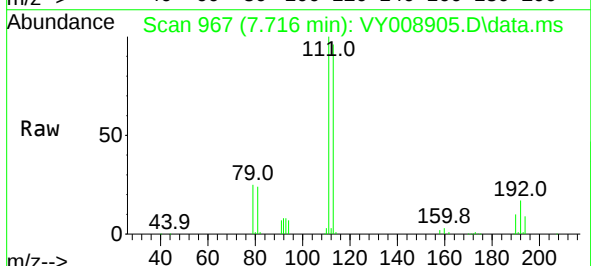
Tgt Ion:113 Resp: 74755

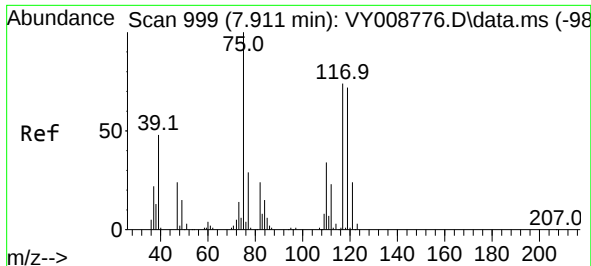
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 18.3 17.6 26.4

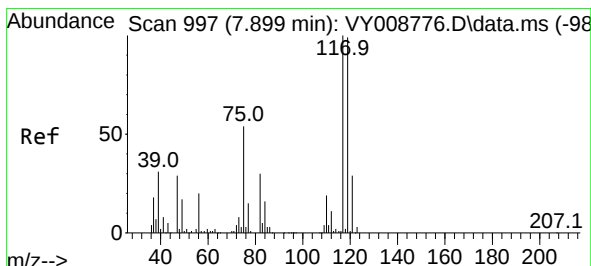
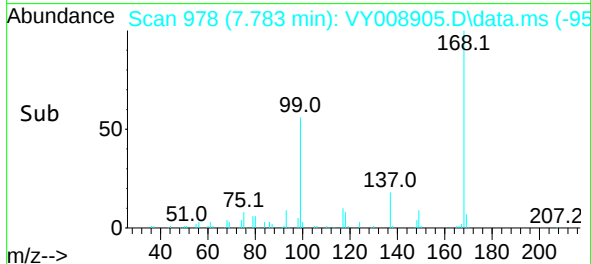
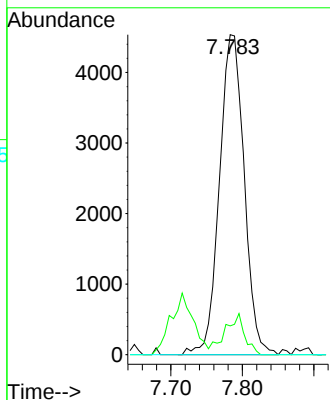
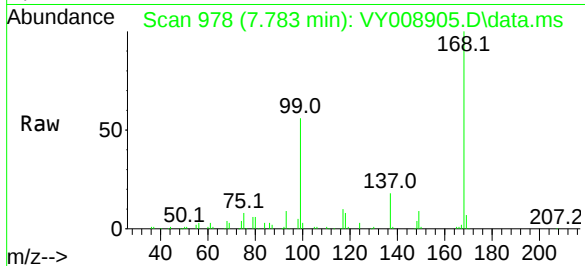




#36
1,1-Dichloropropene
Concen: 5.149 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

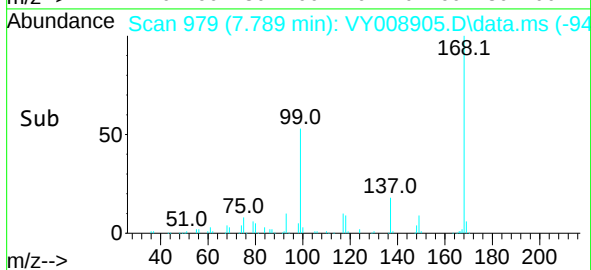
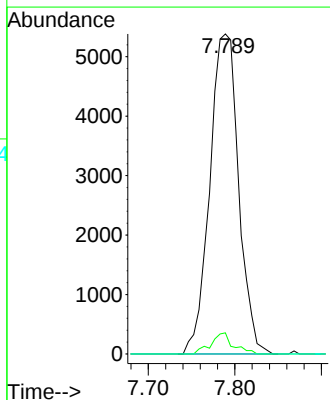
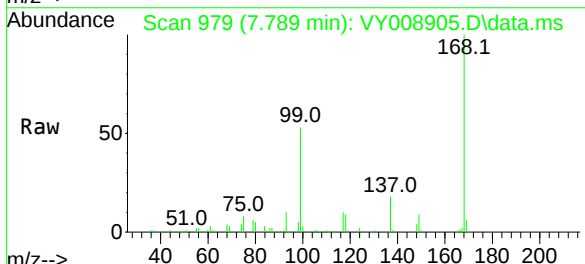
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

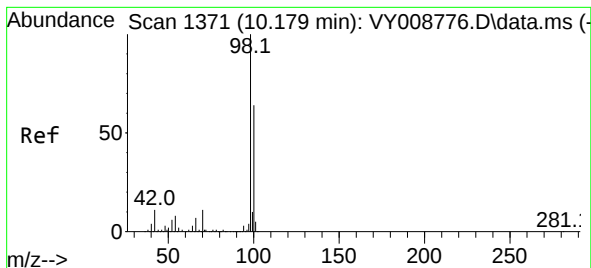
Tgt Ion: 75 Resp: 10912
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.485 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 117 Resp: 12458
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#

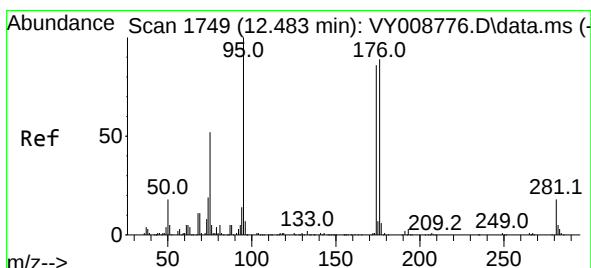
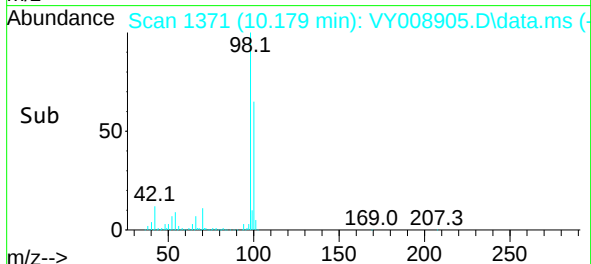
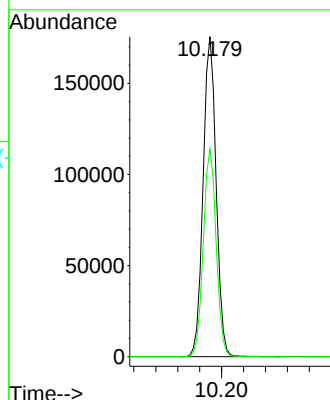
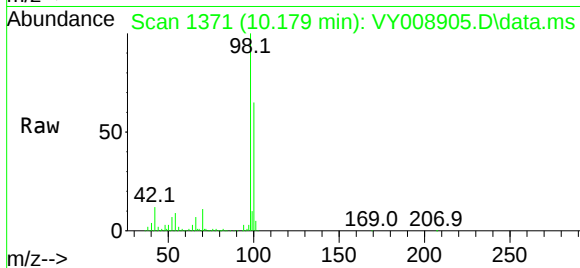




#50
Toluene-d8
Concen: 49.154 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

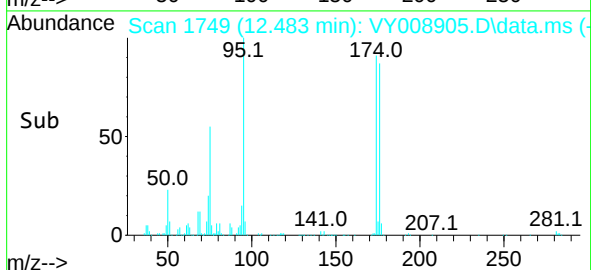
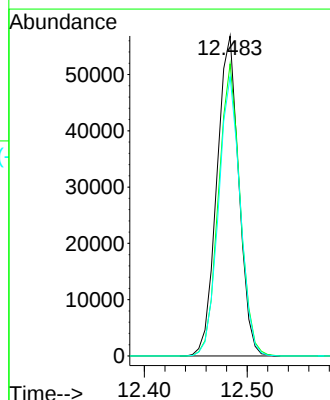
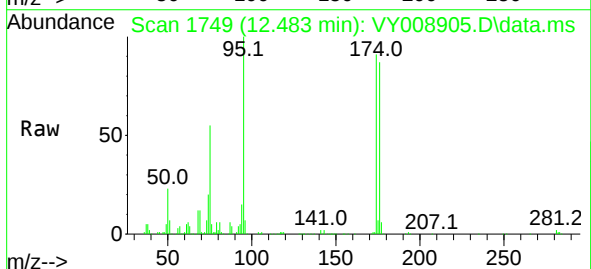
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

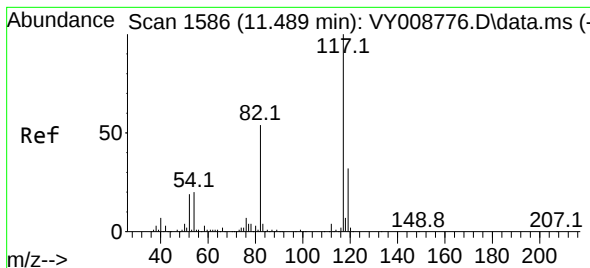
Tgt Ion: 98 Resp: 288782
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.776 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 95 Resp: 84139
Ion Ratio Lower Upper
95 100
174 89.7 0.0 177.0
176 86.1 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: VY008905.D

Acq: 20 May 2022 06:56

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-2430-01

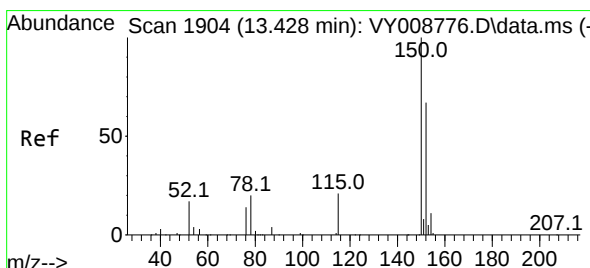
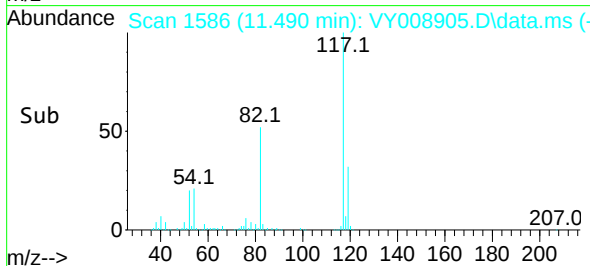
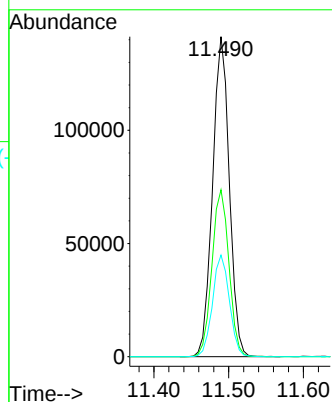
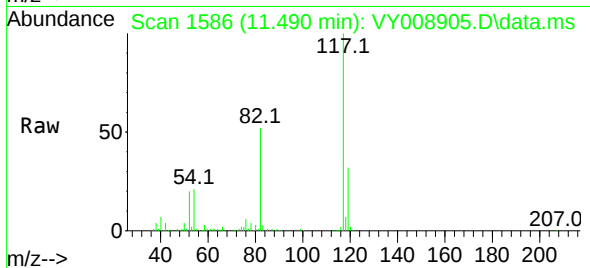
Tgt Ion:117 Resp: 219566

Ion Ratio Lower Upper

117 100

82 52.2 43.0 64.4

119 31.7 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: VY008905.D

Acq: 20 May 2022 06:56

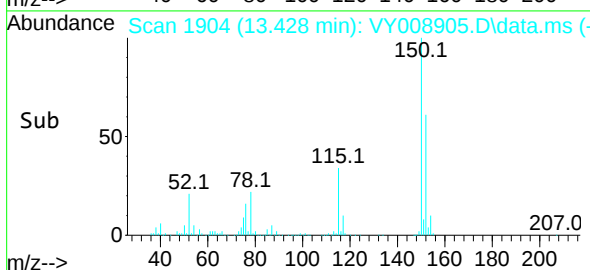
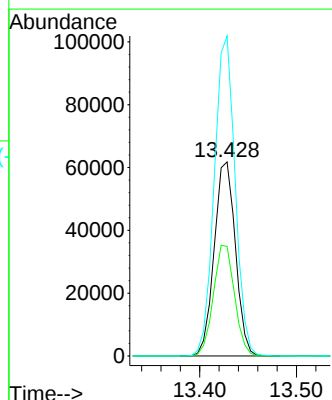
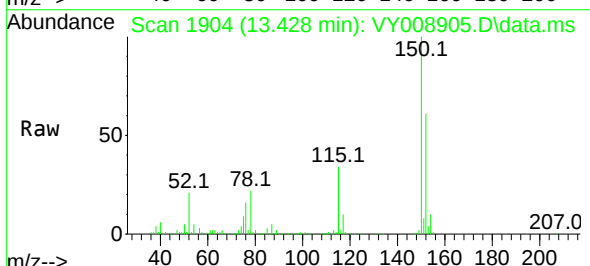
Tgt Ion:152 Resp: 94184

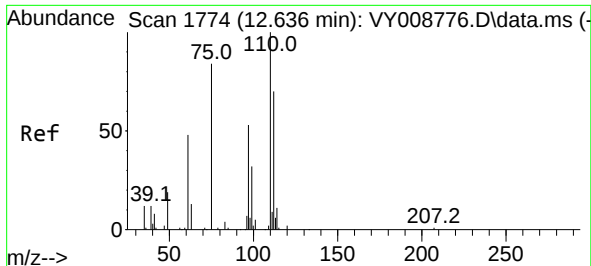
Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

150 161.5 0.0 347.6

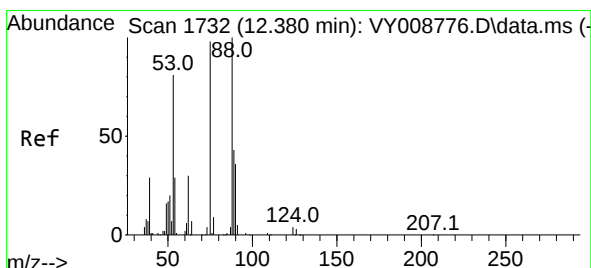
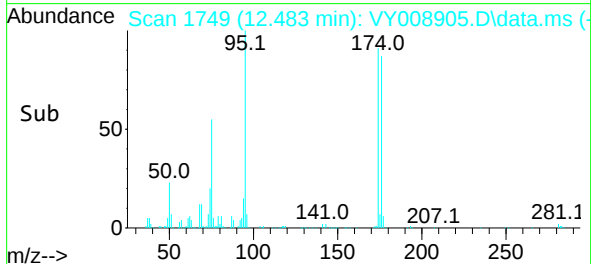
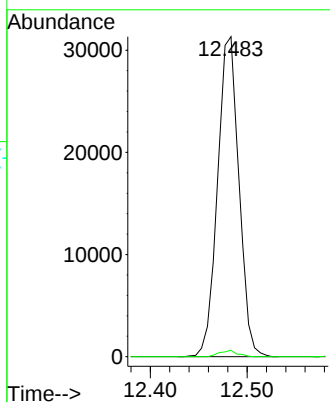
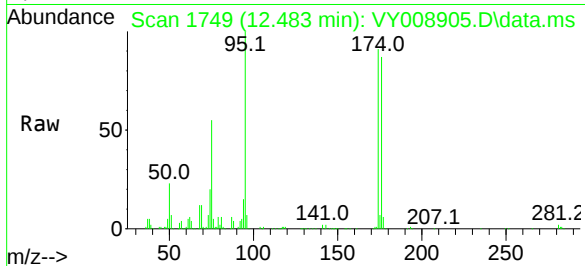




#76
1,2,3-Trichloropropane
Concen: 44.197 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-2430-01

Tgt Ion: 75 Resp: 48085
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.672 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008905.D
Acq: 20 May 2022 06:56

Tgt Ion: 75 Resp: 48085
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

