

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008839.D
 Acq On : 19 May 2022 01:48
 Operator : KP/MD
 Sample : N2869-12
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P031-SS001-0612-01

Quant Time: May 19 03:16:52 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)

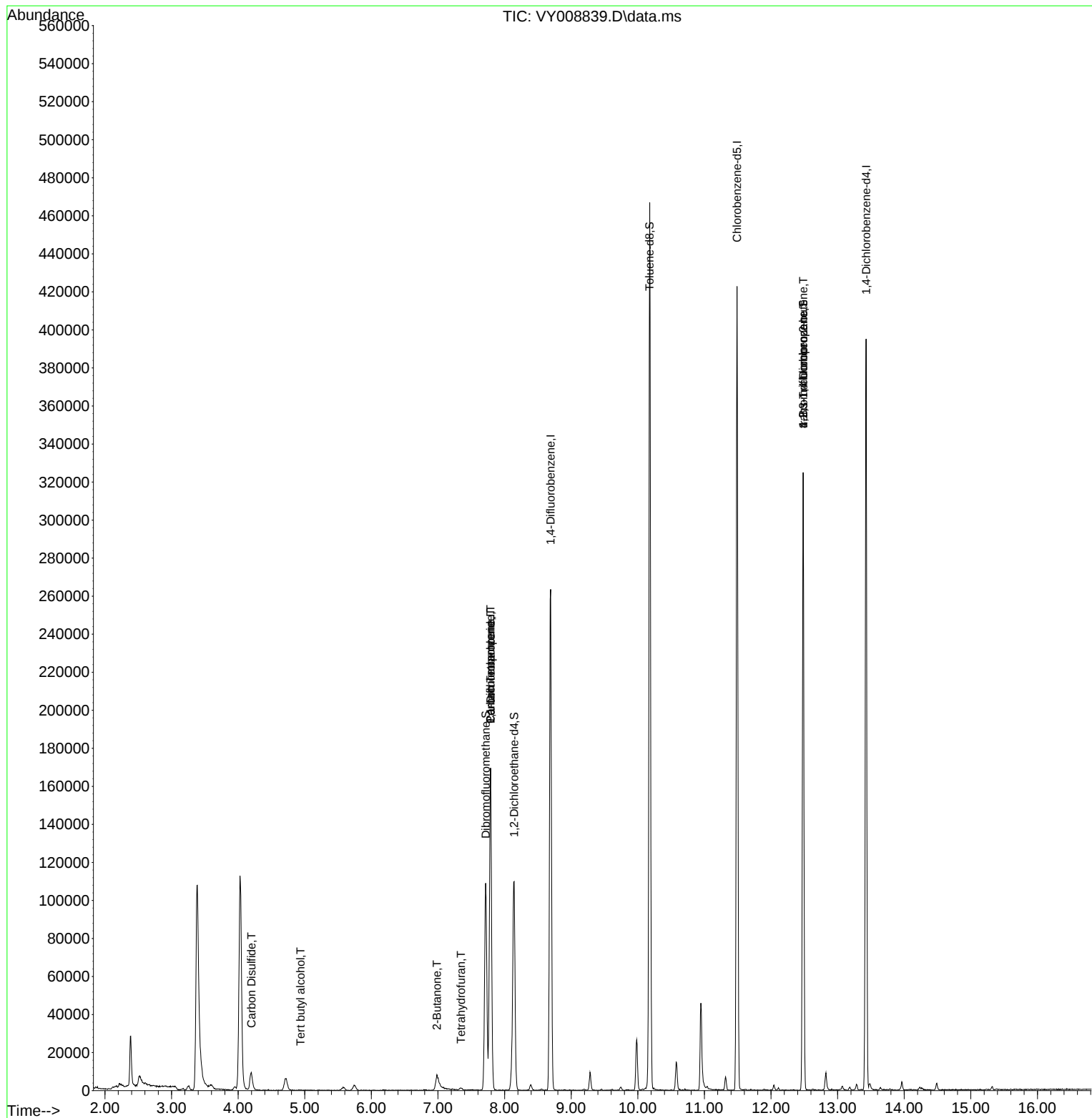
Internal Standards						
1) Pentafluorobenzene	7.789	168	127948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	220278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	80089	67.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.940%	
35) Dibromofluoromethane	7.716	113	73878	55.270	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.540%	
50) Toluene-d8	10.179	98	292084	49.213	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.420%	
62) 4-Bromofluorobenzene	12.483	95	84692	40.644	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	130	Below Cal	#	44
4) Vinyl Chloride	2.259	62	24	Below Cal	#	43
5) Bromomethane	2.656	94	210	Below Cal	#	35
6) Chloroethane	2.997	64	21	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	224	1.708	ug/l #	77
16) Acetone	3.948	43	3414	Below Cal		96
17) Carbon Disulfide	4.198	76	16150	1.661	ug/l	98
18) Methyl Acetate	4.466	43	22	Below Cal	#	56
20) Methylene Chloride	4.710	84	5010	Below Cal	#	78
25) 2-Butanone	6.984	43	1143	2.295	ug/l	98
29) Tetrahydrofuran	7.344	42	597	1.799	ug/l #	86
31) Cyclohexane	7.783	56	3302	Below Cal	#	45
36) 1,1-Dichloropropene	7.789	75	10716	5.005	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12608	5.495	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	48243	44.579	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48243	97.507	ug/l #	7

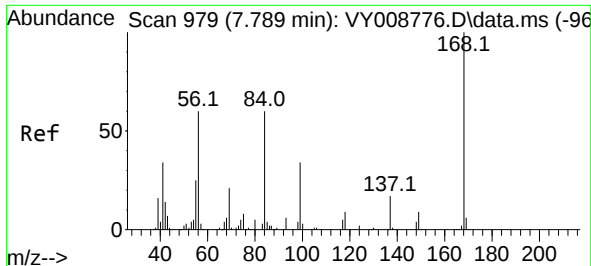
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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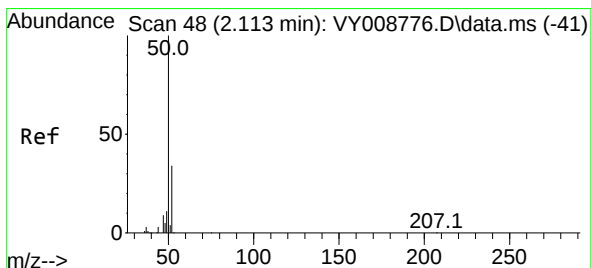
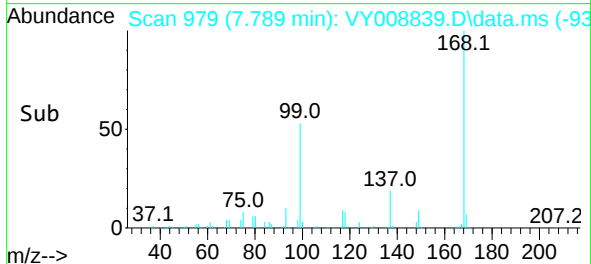
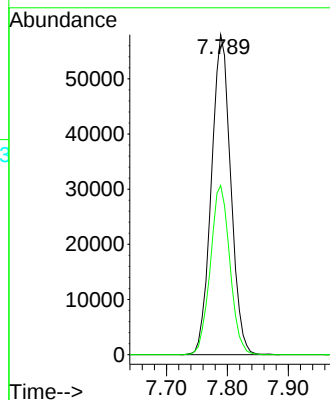
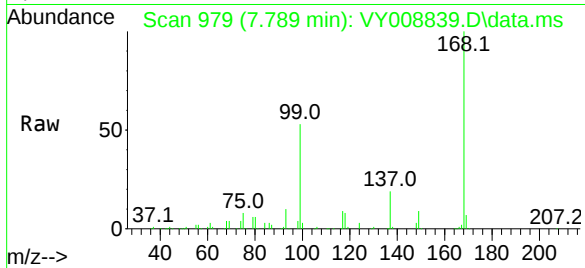




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

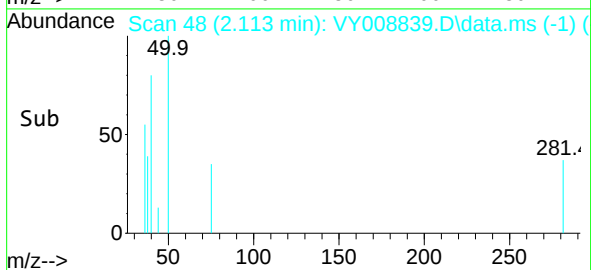
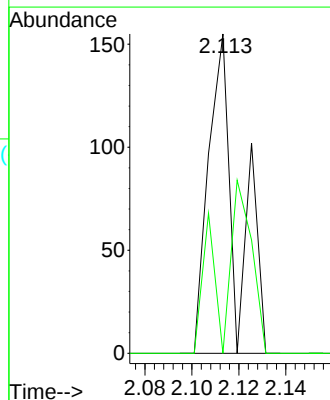
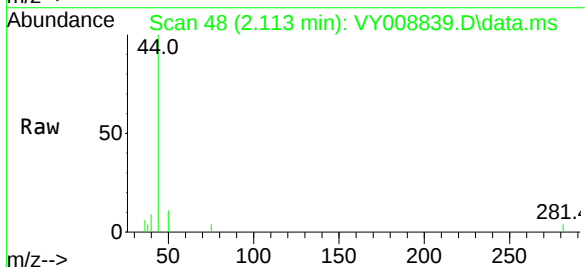
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-0612-01

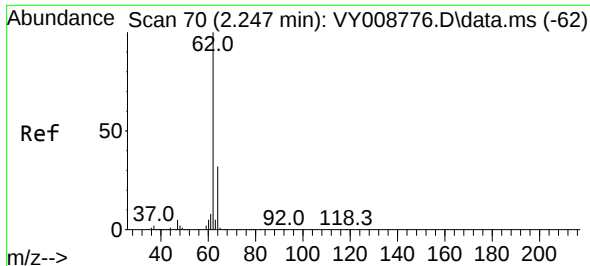
Tgt Ion:168 Resp: 127948
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

Tgt Ion: 50 Resp: 130
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

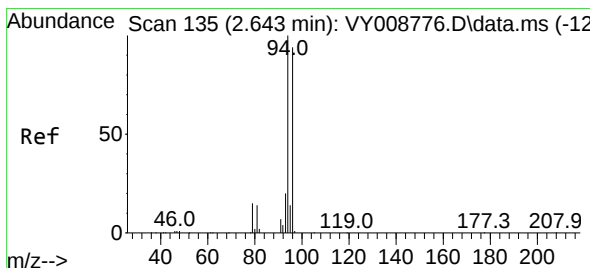
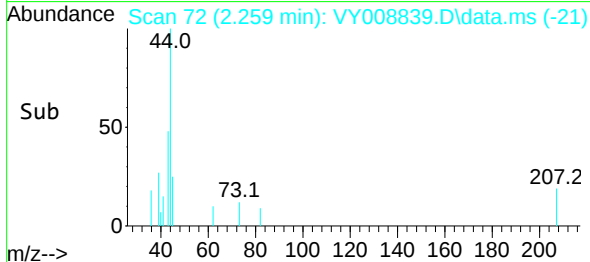
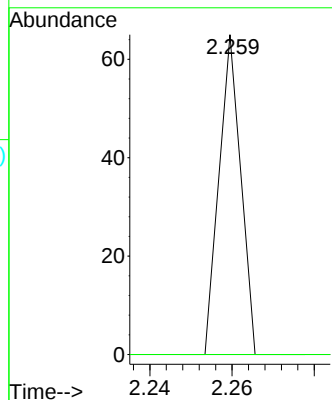
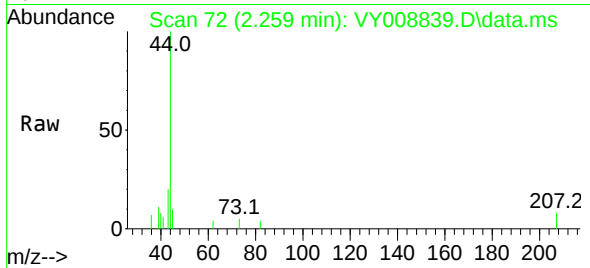




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.259 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VY008839.D
 Acq: 19 May 2022 01:48

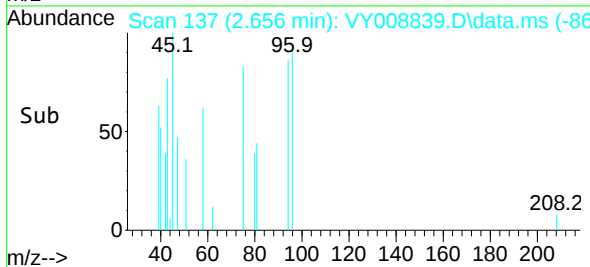
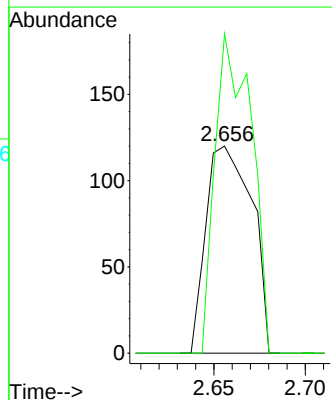
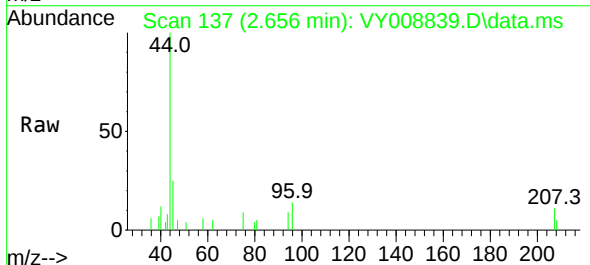
Instrument :
 MSVOA_Y
 ClientSampleId :
 P031-SS001-0612-01

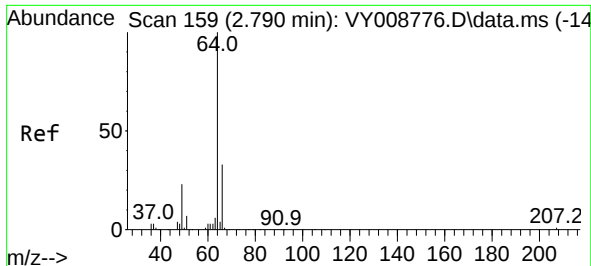
Tgt Ion: 62 Resp: 24
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.013 min
 Lab File: VY008839.D
 Acq: 19 May 2022 01:48

Tgt Ion: 94 Resp: 210
 Ion Ratio Lower Upper
 94 100
 96 154.2 73.5 110.3#

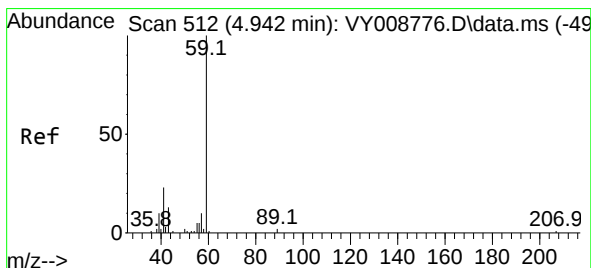
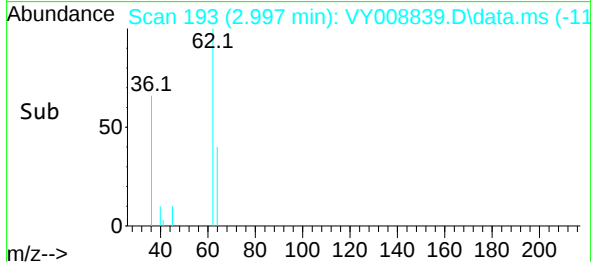
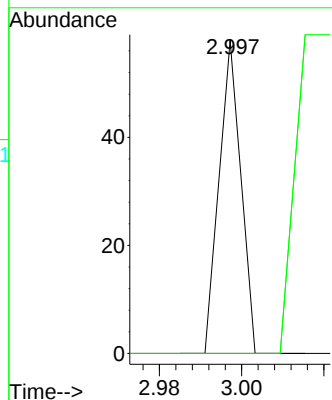
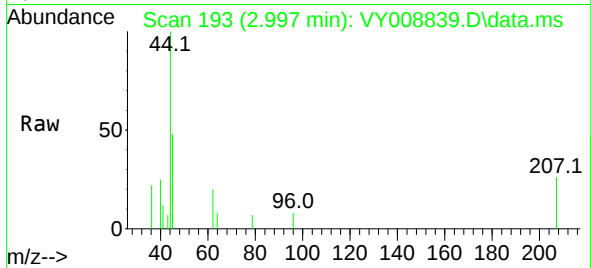




#6
Chloroethane
Concen: Below Cal
RT: 2.997 min Scan# 193
Delta R.T. 0.207 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

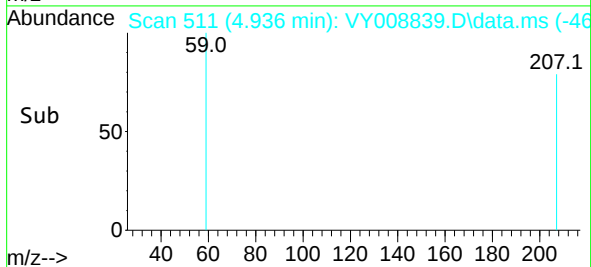
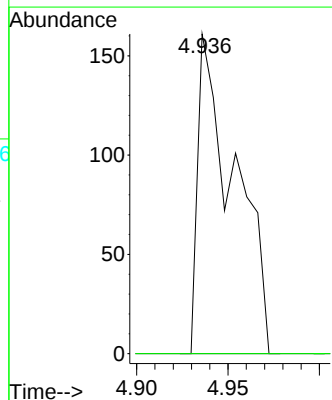
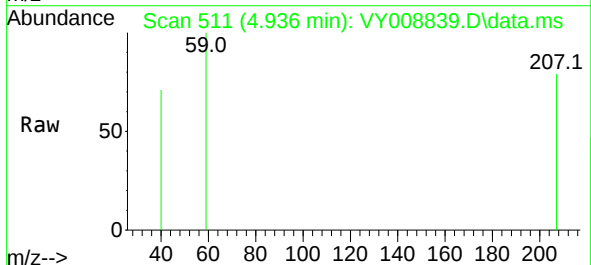
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-0612-01

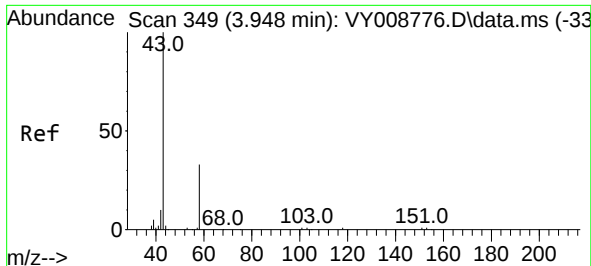
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.708 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

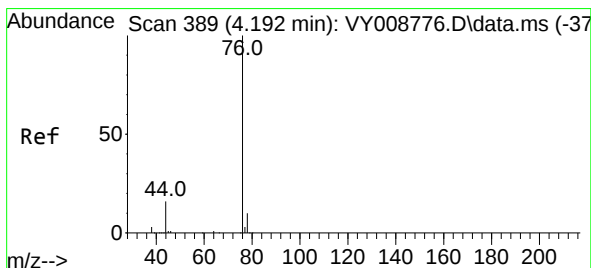
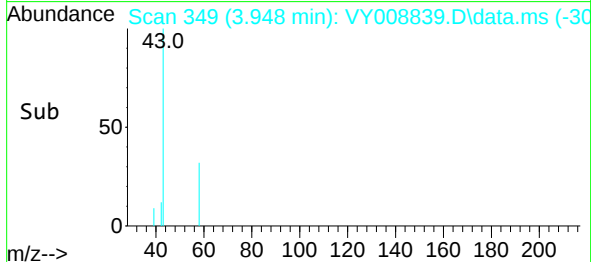
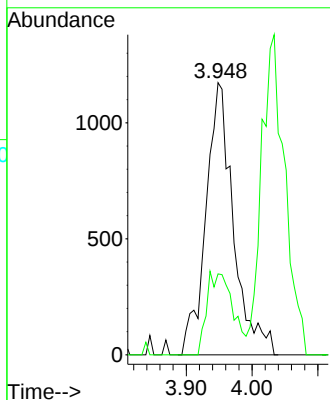
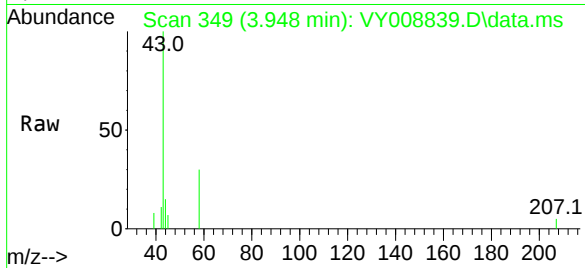




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

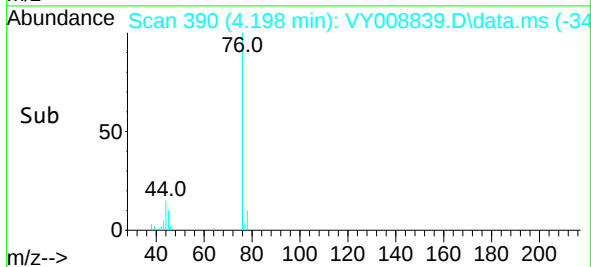
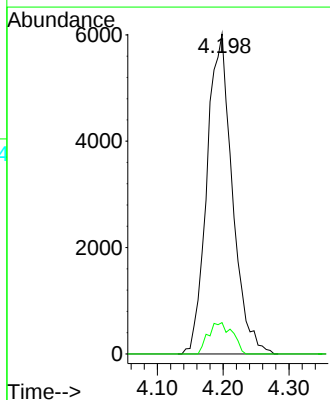
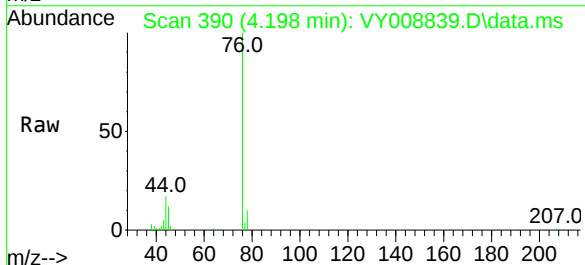
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-0612-01

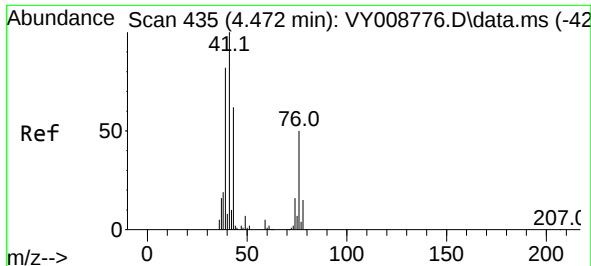
Tgt Ion: 43 Resp: 3414
Ion Ratio Lower Upper
43 100
58 29.8 22.0 33.0



#17
Carbon Disulfide
Concen: 1.661 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

Tgt Ion: 76 Resp: 16150
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0

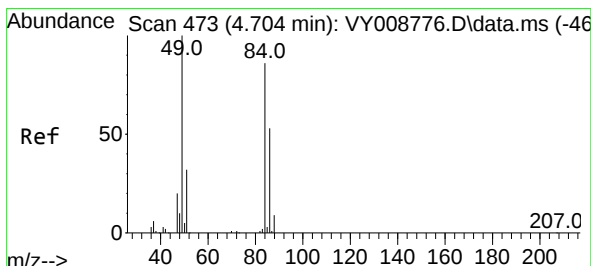
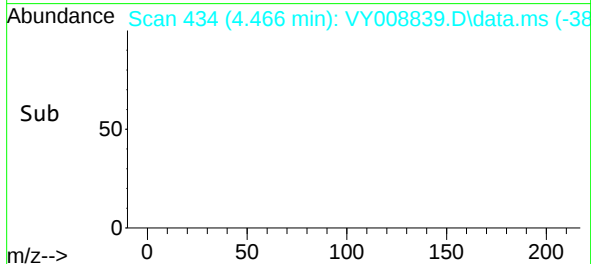
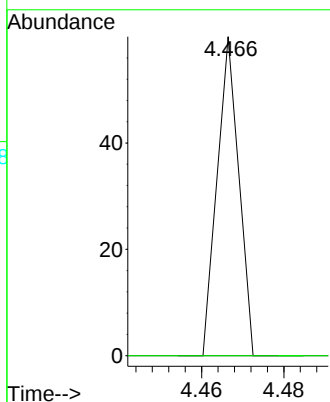
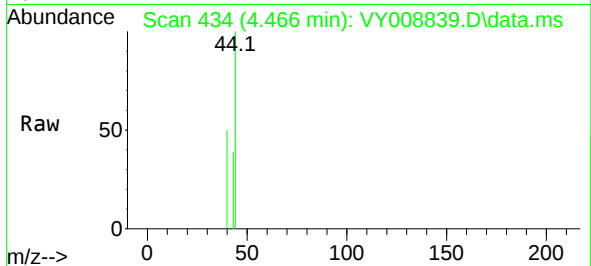




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

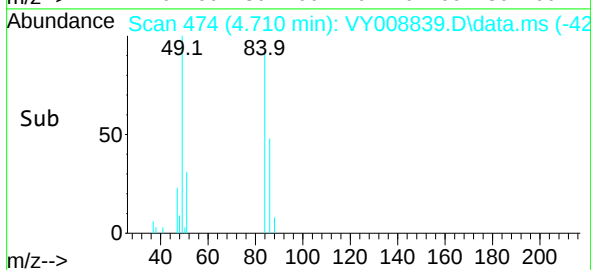
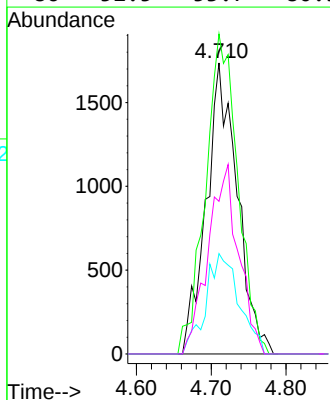
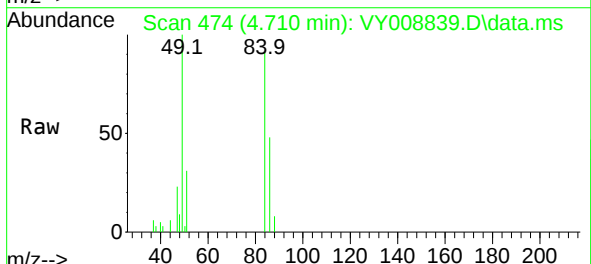
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-0612-01

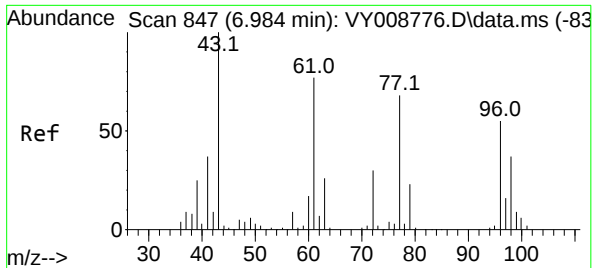
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

Tgt Ion: 84 Resp: 5010
Ion Ratio Lower Upper
84 100
49 110.0 114.4 171.6#
51 34.5 35.3 52.9#
86 52.5 53.7 80.5#

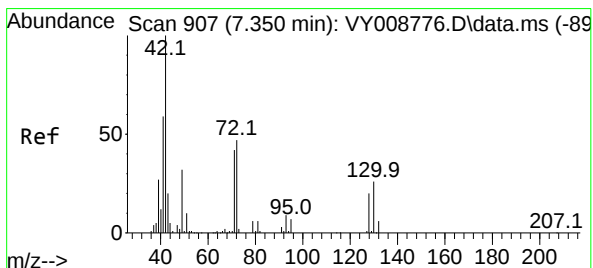
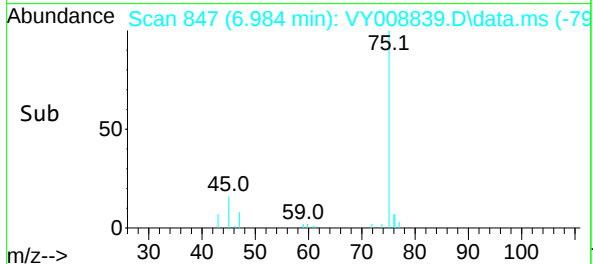
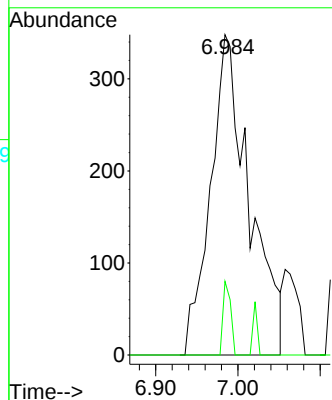
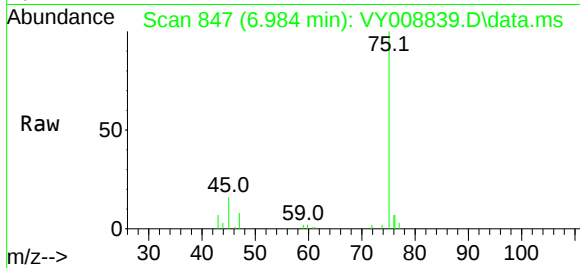




#25
2-Butanone
Concen: 2.295 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

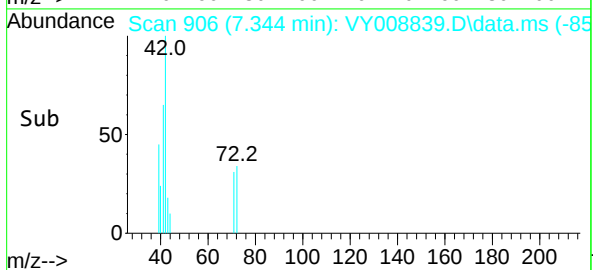
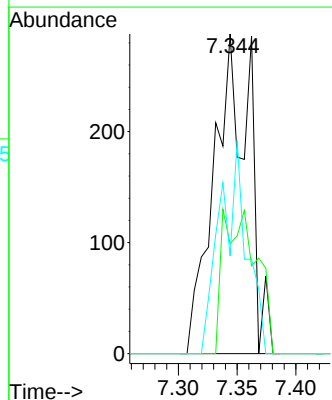
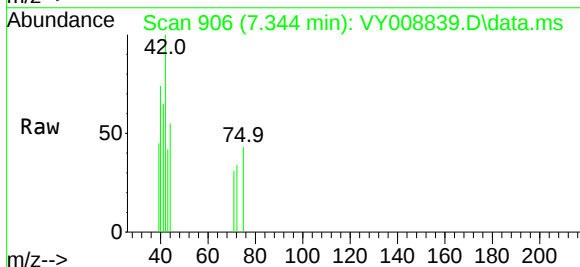
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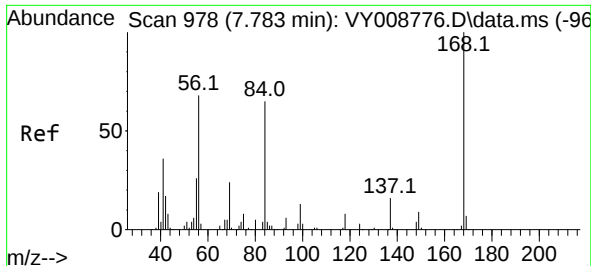
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
72 23.0 17.7 26.5



#29
Tetrahydrofuran
Concen: 1.799 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

Tgt Ion: 42 Resp: 597
Ion Ratio Lower Upper
42 100
72 43.2 30.3 45.5
71 24.5 29.0 43.4#

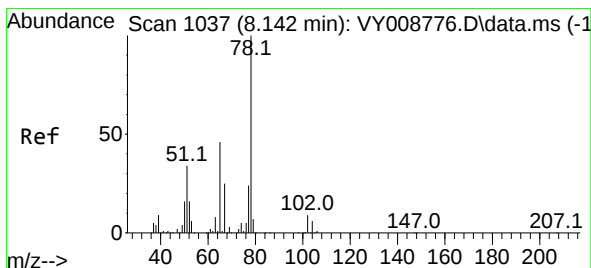
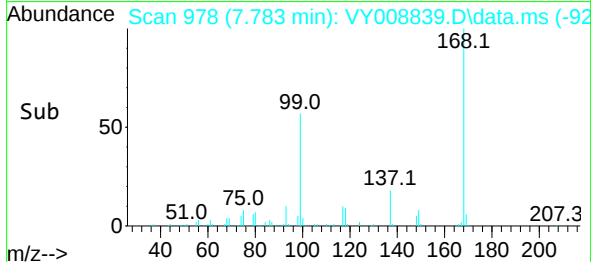
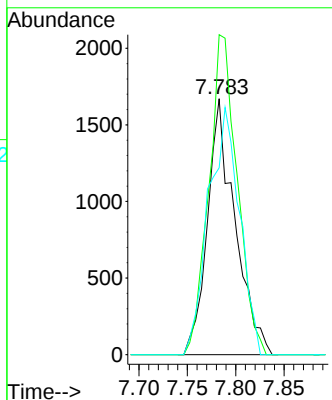
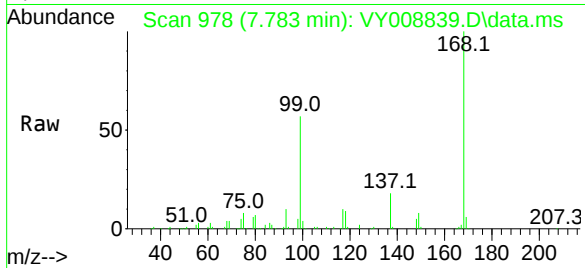




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

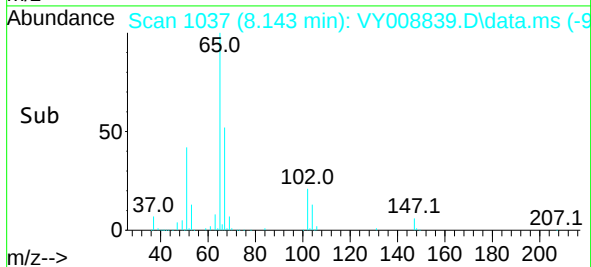
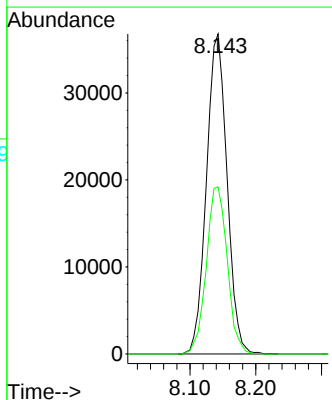
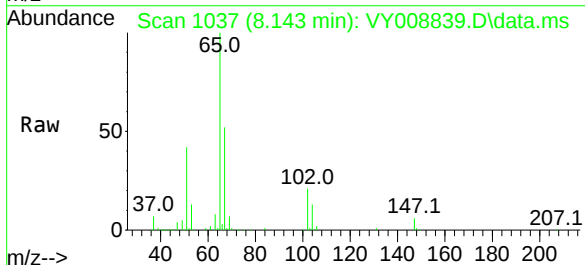
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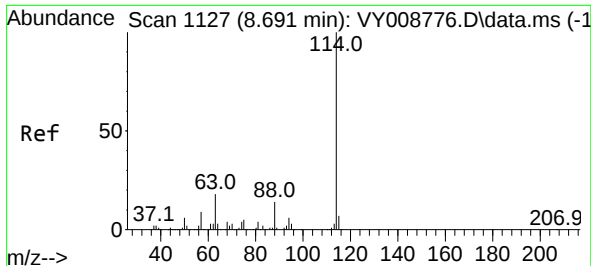
Tgt Ion: 56 Resp: 3302
Ion Ratio Lower Upper
56 100
69 125.0 26.7 40.1#
84 73.0 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 67.473 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

Tgt Ion: 65 Resp: 80089
Ion Ratio Lower Upper
65 100
67 53.2 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: VY008839.D

Acq: 19 May 2022 01:48

Instrument :

MSVOA_Y

ClientSampleId :

P031-SS001-0612-01

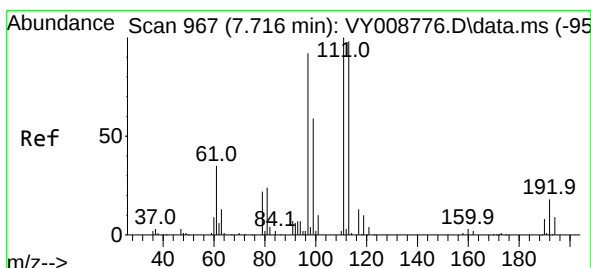
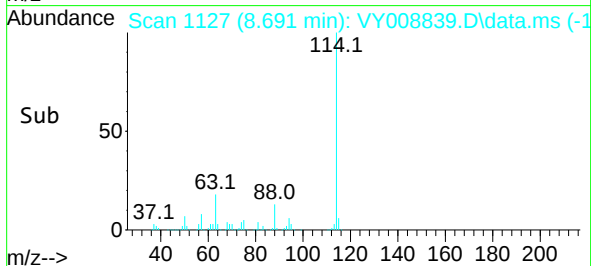
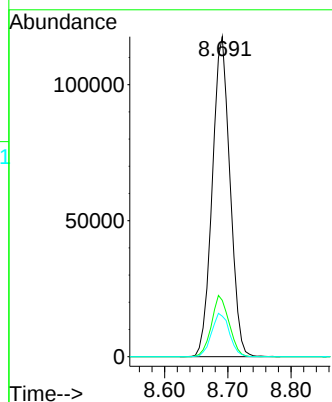
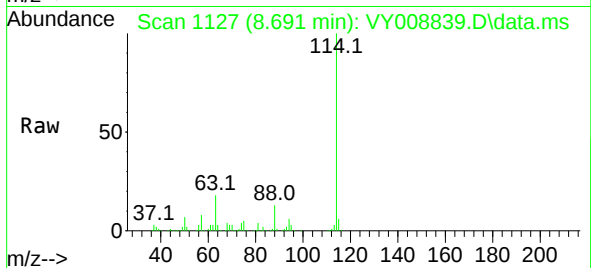
Tgt Ion:114 Resp: 228774

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 12.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.270 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008839.D

Acq: 19 May 2022 01:48

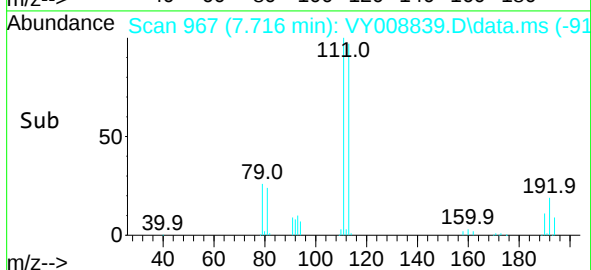
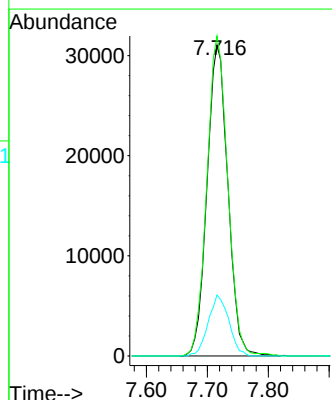
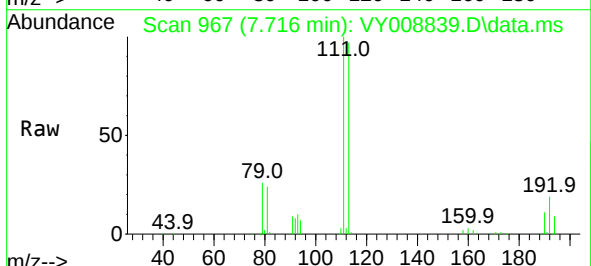
Tgt Ion:113 Resp: 73878

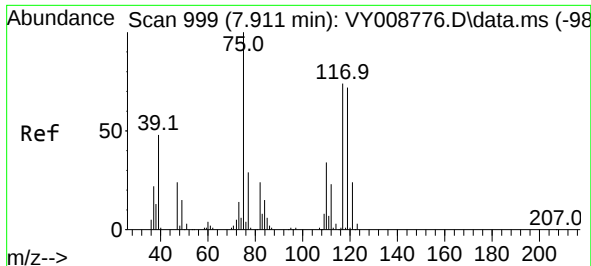
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 19.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008839.D

Acq: 19 May 2022 01:48

Instrument :

MSVOA_Y

ClientSampleId :

P031-SS001-0612-01

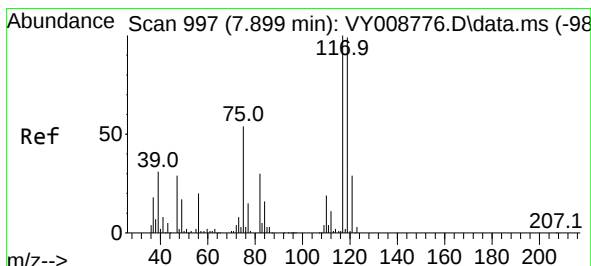
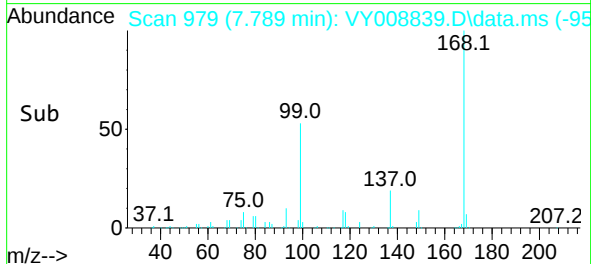
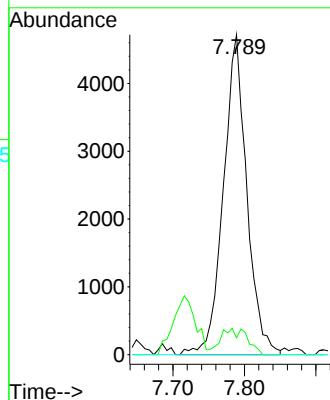
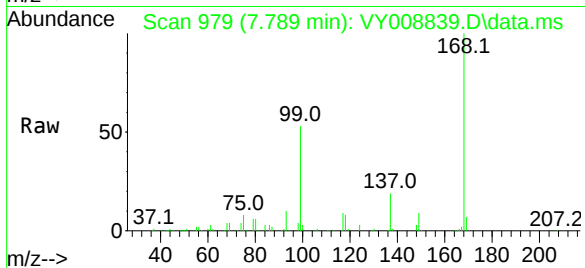
Tgt Ion: 75 Resp: 10716

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.495 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008839.D

Acq: 19 May 2022 01:48

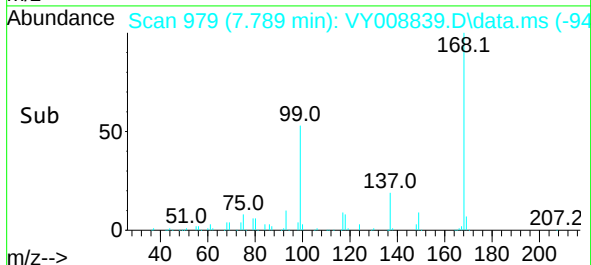
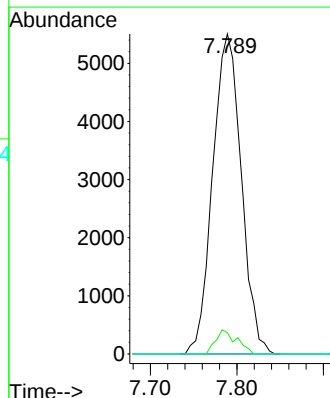
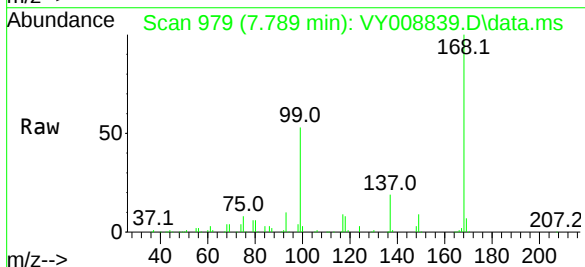
Tgt Ion: 117 Resp: 12608

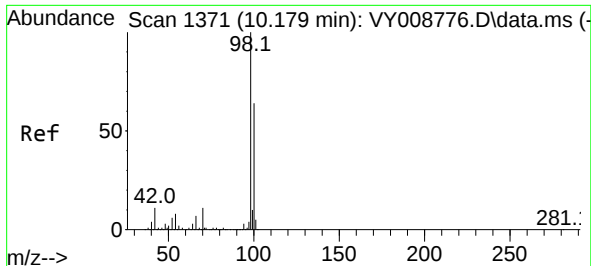
Ion Ratio Lower Upper

117 100

119 6.7 77.9 116.9#

121 0.0 24.8 37.2#

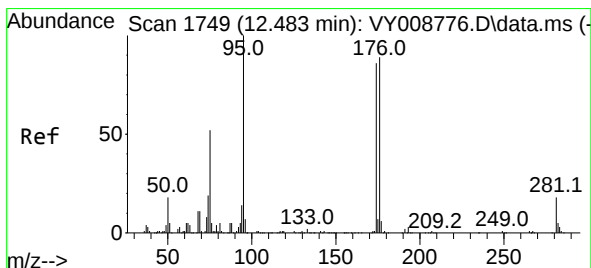
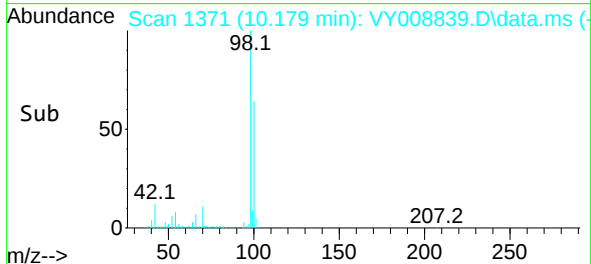
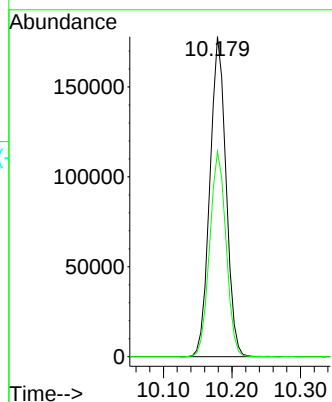
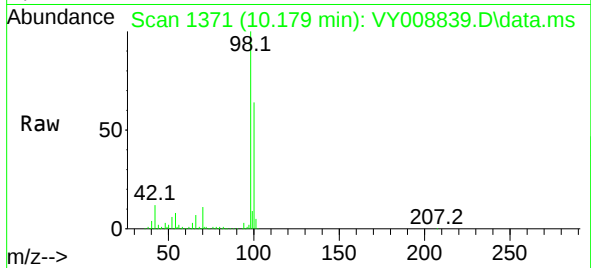




#50
Toluene-d8
Concen: 49.213 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

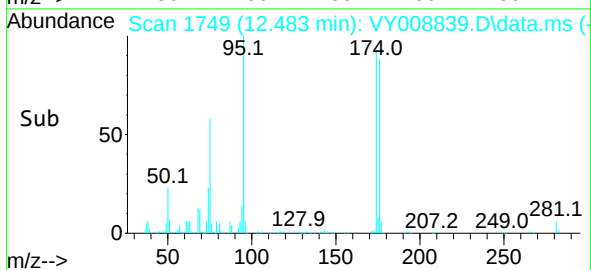
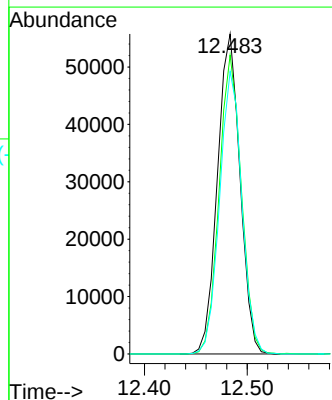
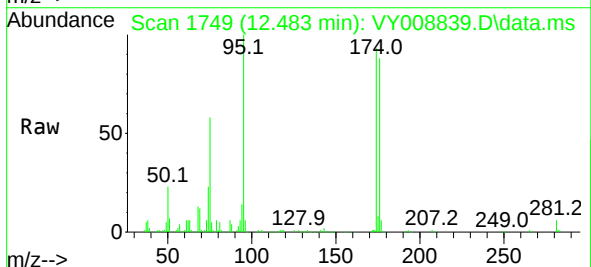
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-0612-01

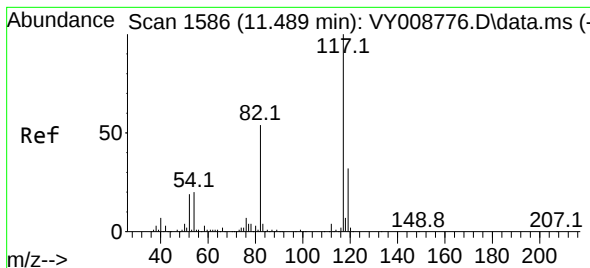
Tgt Ion: 98 Resp: 292084
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.644 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008839.D
Acq: 19 May 2022 01:48

Tgt Ion: 95 Resp: 84692
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.0
176 87.3 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: VY008839.D

Acq: 19 May 2022 01:48

Instrument :

MSVOA_Y

ClientSampleId :

P031-SS001-0612-01

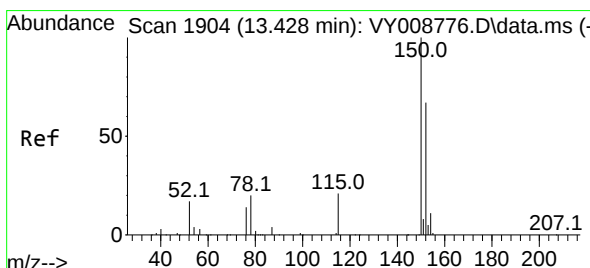
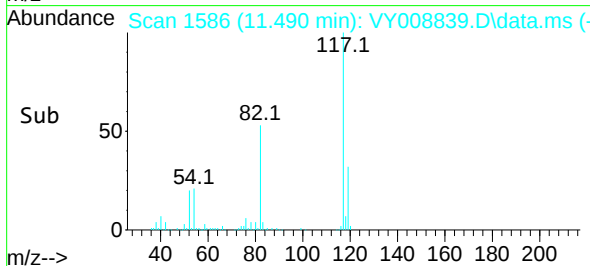
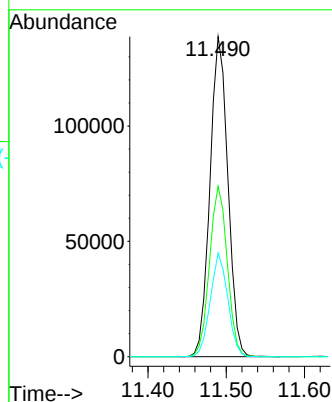
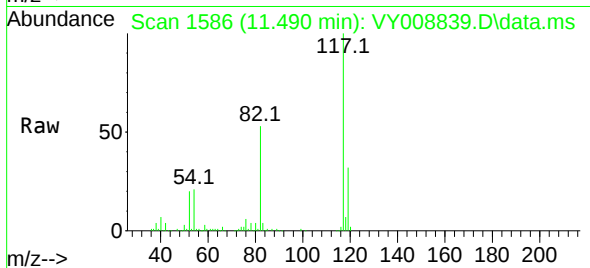
Tgt Ion:117 Resp: 220278

Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.4

119 32.4 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: VY008839.D

Acq: 19 May 2022 01:48

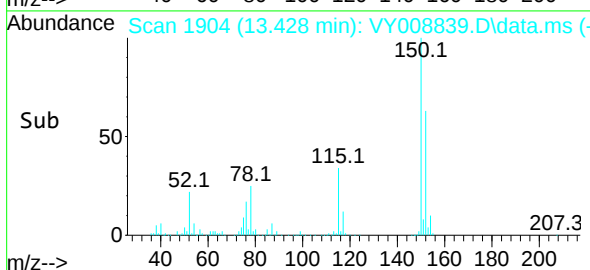
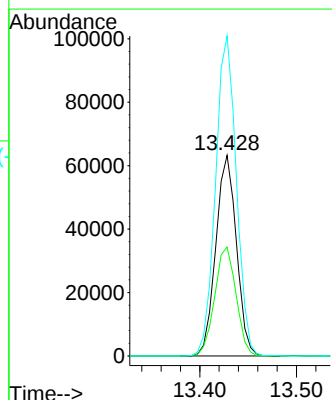
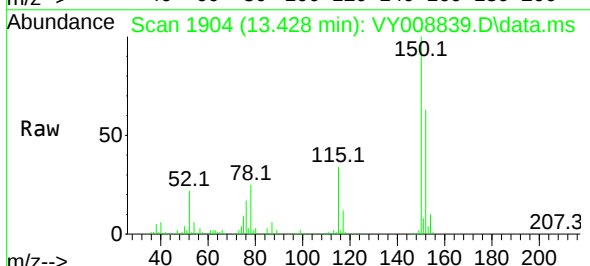
Tgt Ion:152 Resp: 93685

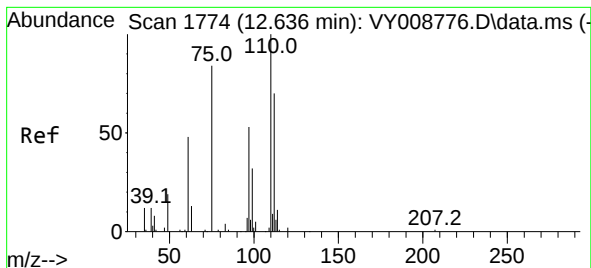
Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.7

150 160.8 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 44.579 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008839.D

Acq: 19 May 2022 01:48

Instrument :

MSVOA_Y

ClientSampleId :

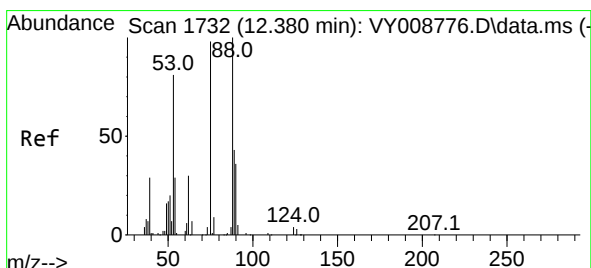
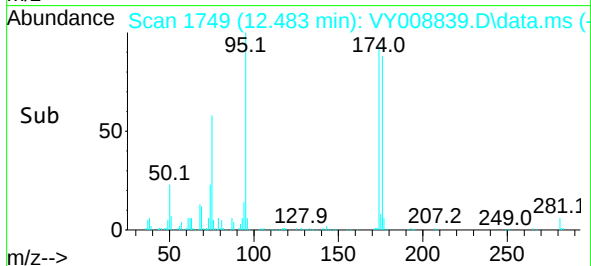
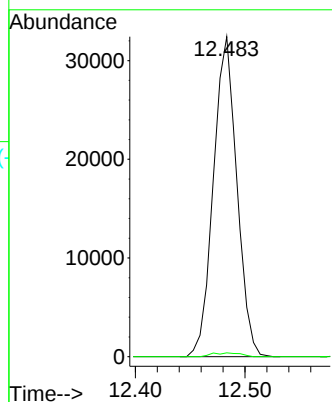
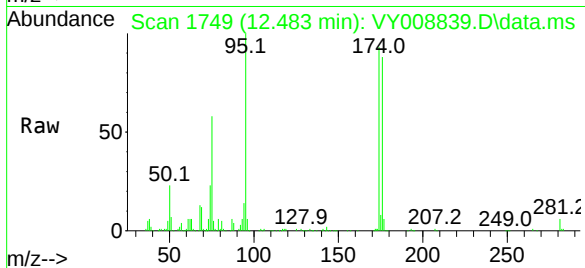
P031-SS001-0612-01

Tgt Ion: 75 Resp: 48243

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.507 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY008839.D

Acq: 19 May 2022 01:48

Tgt Ion: 75 Resp: 48243

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

