

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019220.D
 Acq On : 22 Aug 2024 15:08
 Operator : SY/MD
 Sample : P3640-03
 Misc : 7.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:53:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	98644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	153116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	128245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	52444	50.000	ug/l	0.00

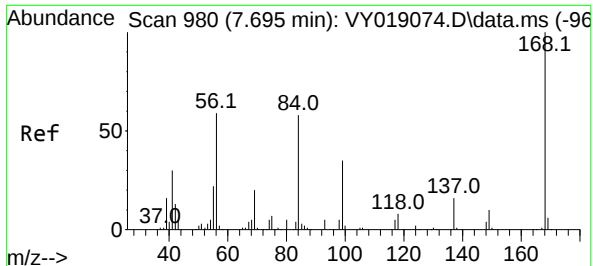
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	51778	52.363	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.720%
35) Dibromofluoromethane	7.628	113	54203	54.140	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.280%
50) Toluene-d8	10.103	98	158398	43.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.920%
62) 4-Bromofluorobenzene	12.408	95	51706	42.099	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	84.200%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.599	94	142	Below Cal	#	67
6) Chloroethane	2.708	64	30	Below Cal	#	42
13) Acrolein	3.726	56	20	Below Cal	#	15
20) Methylene Chloride	4.604	84	5530	Below Cal	#	86
31) Cyclohexane	7.695	56	2088	Below Cal	#	3
36) 1,1-Dichloropropene	7.695	75	7571	5.507	ug/l #	50
38) Carbon Tetrachloride	7.695	117	9674	6.072	ug/l #	15
51) 4-Methyl-2-Pentanone	10.097	43	908	1.389	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	26966	52.139	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	26966	128.766	ug/l #	16

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

Quant Time: Aug 23 01:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 05:10:30 2024
Response via : Initial Calibration

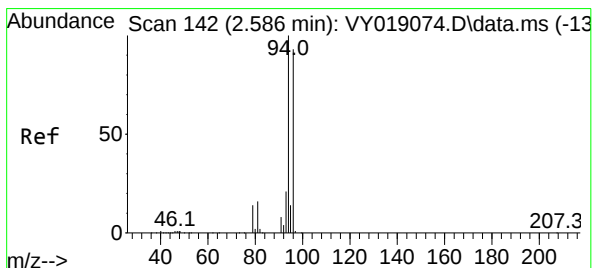
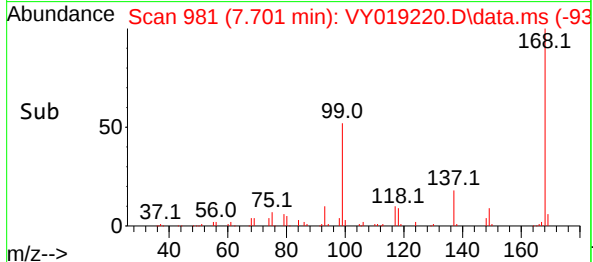
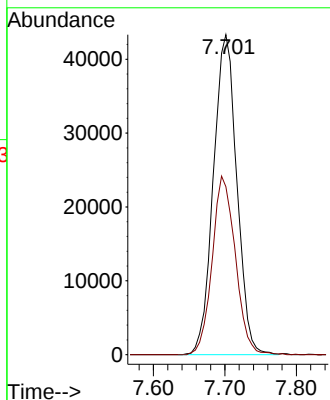
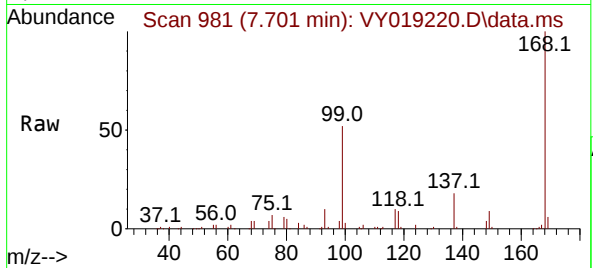




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019220.D
Acq: 22 Aug 2024 15:08

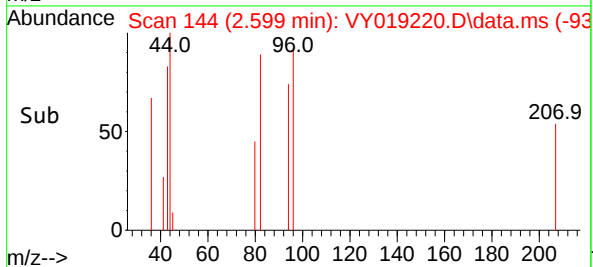
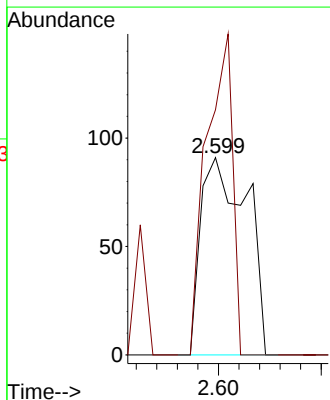
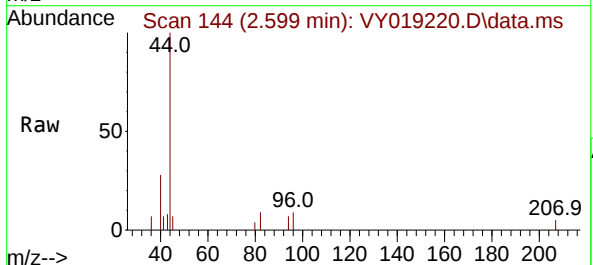
Instrument :
MSVOA_Y
ClientSampleId :

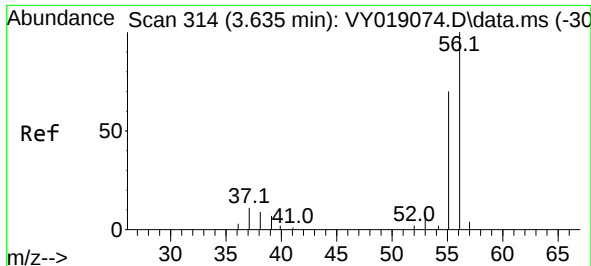
Tgt Ion:168 Resp: 98644
Ion Ratio Lower Upper
168 100
99 52.5 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.599 min Scan# 144
Delta R.T. 0.013 min
Lab File: VY019220.D
Acq: 22 Aug 2024 15:08

Tgt Ion: 94 Resp: 142
Ion Ratio Lower Upper
94 100
96 124.2 74.1 111.1#





#13

Acrolein

Concen: Below Cal

RT: 3.726 min Scan# 31

Delta R.T. 0.091 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Instrument :

MSVOA_Y

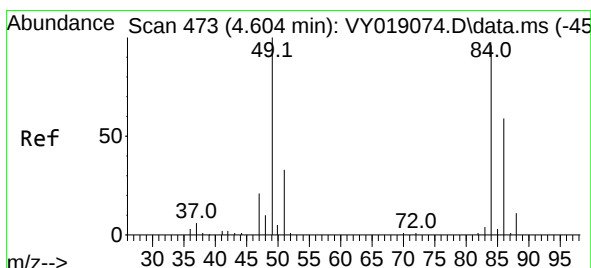
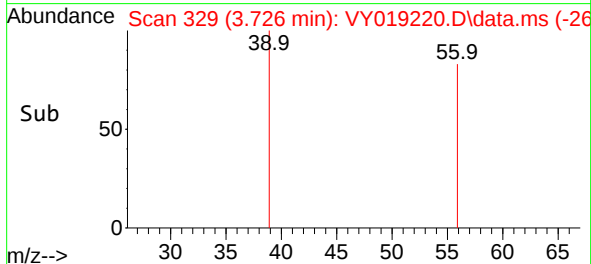
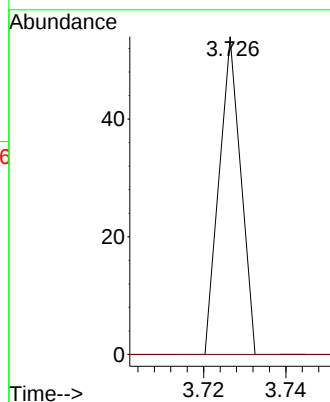
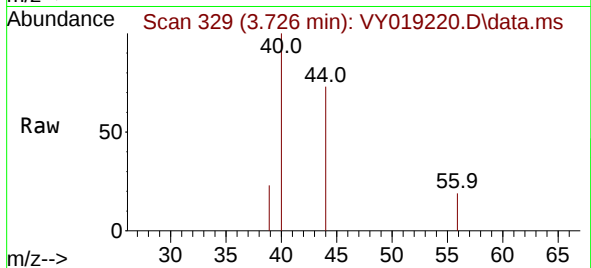
ClientSampleId :

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Tgt Ion: 84 Resp: 5530

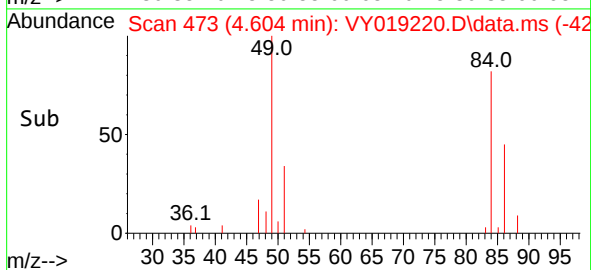
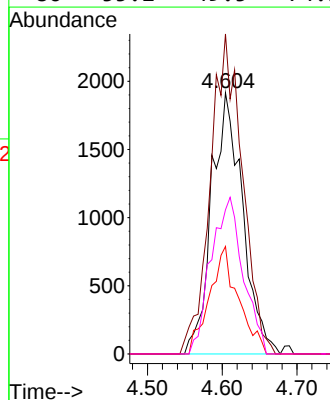
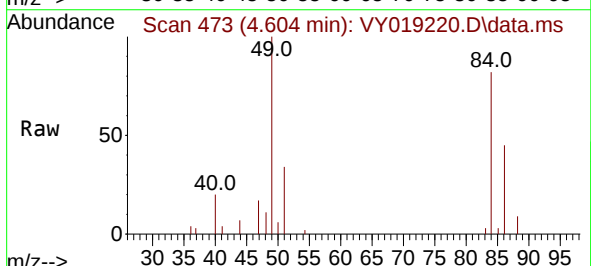
Ion Ratio Lower Upper

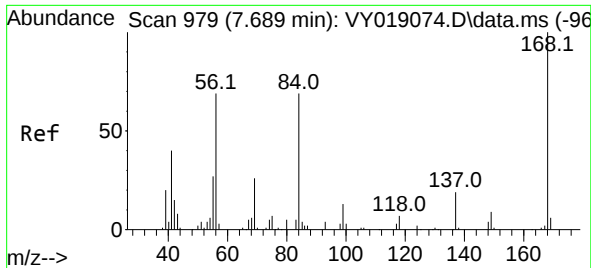
84 100

49 122.6 84.4 126.6

51 41.2 26.0 39.0#

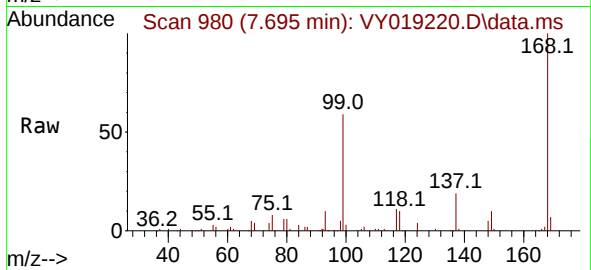
86 55.2 49.5 74.3



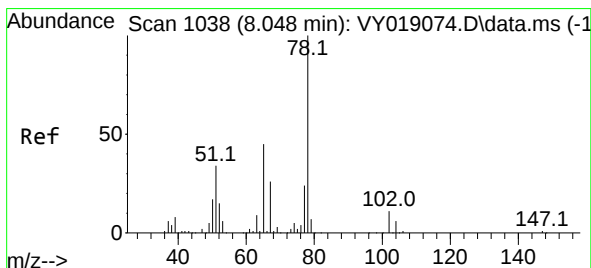
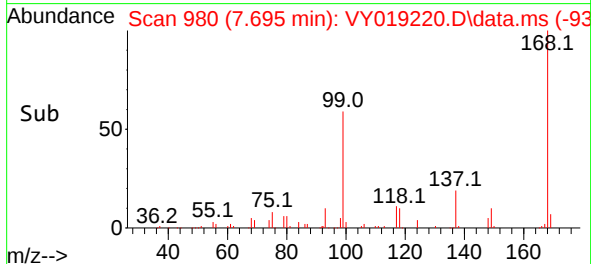
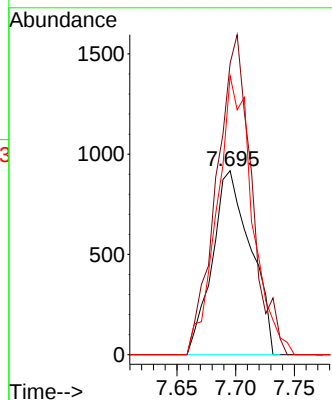


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019220.D
Acq: 22 Aug 2024 15:08

Instrument :
MSVOA_Y
ClientSampleId :

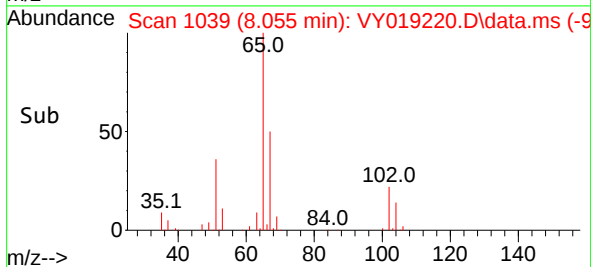
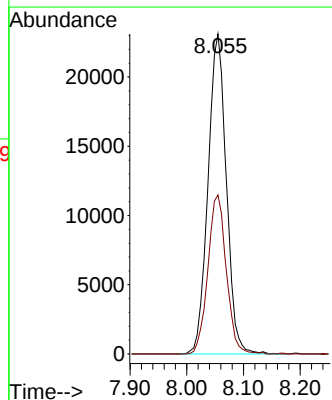
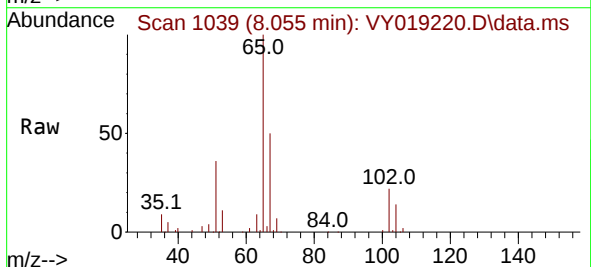


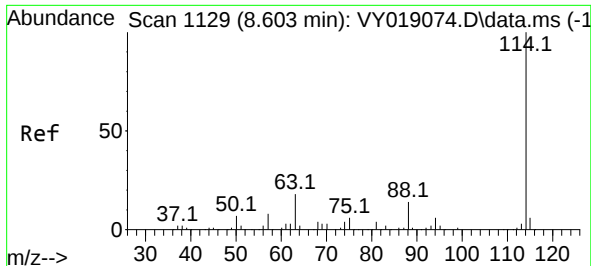
Tgt Ion: 56 Resp: 2088
Ion Ratio Lower Upper
56 100
69 158.3 28.7 43.1#
84 151.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 52.363 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.007 min
Lab File: VY019220.D
Acq: 22 Aug 2024 15:08

Tgt Ion: 65 Resp: 51778
Ion Ratio Lower Upper
65 100
67 50.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Instrument :

MSVOA_Y

ClientSampleId :

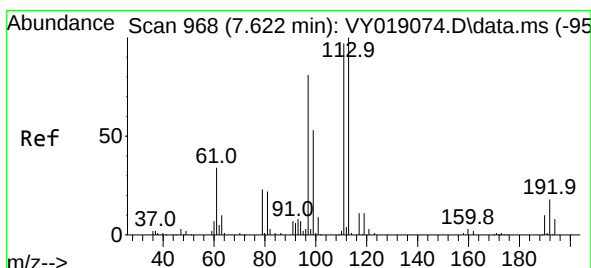
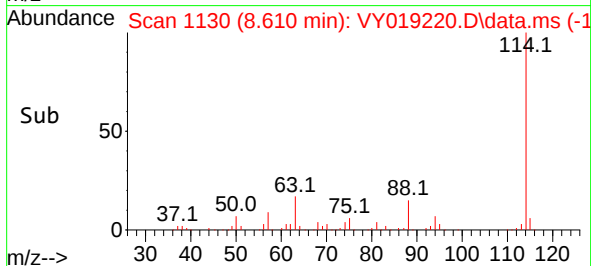
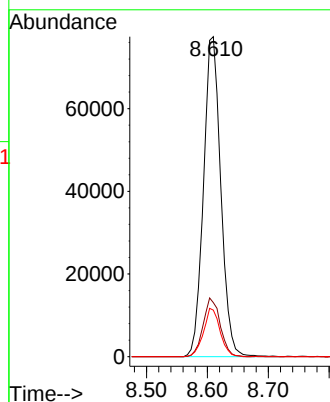
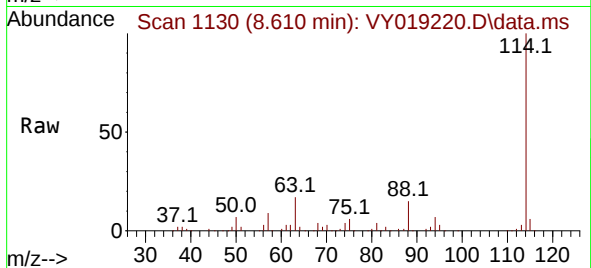
Tgt Ion:114 Resp: 153116

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 14.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.140 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.007 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

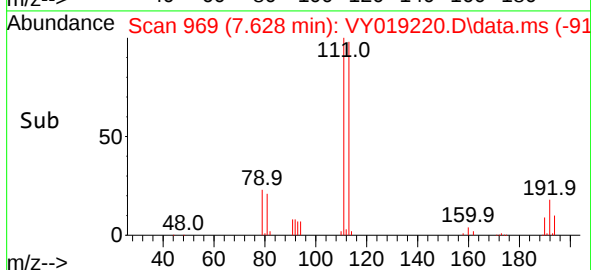
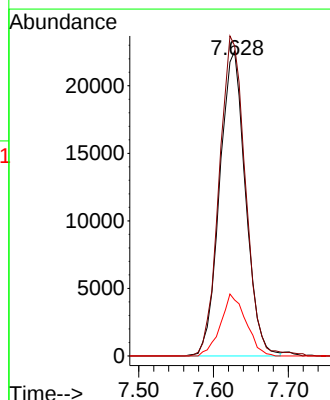
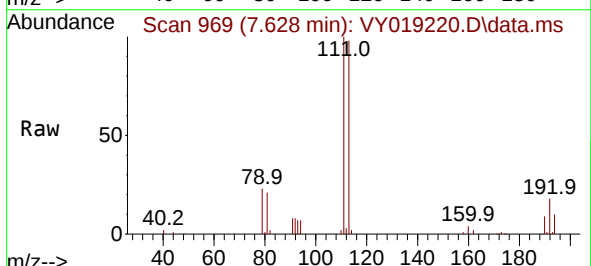
Tgt Ion:113 Resp: 54203

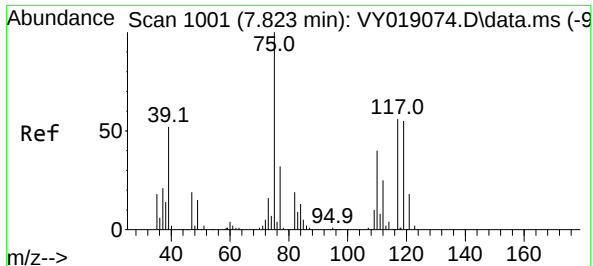
Ion Ratio Lower Upper

113 100

111 106.4 82.2 123.4

192 20.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.507 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Instrument :

MSVOA_Y

ClientSampleId :

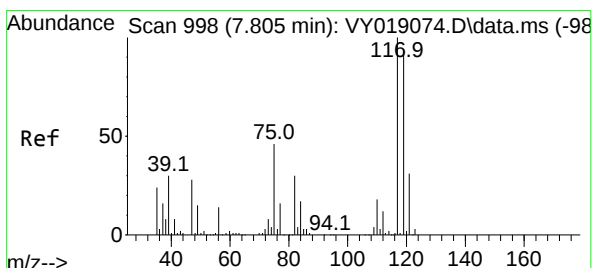
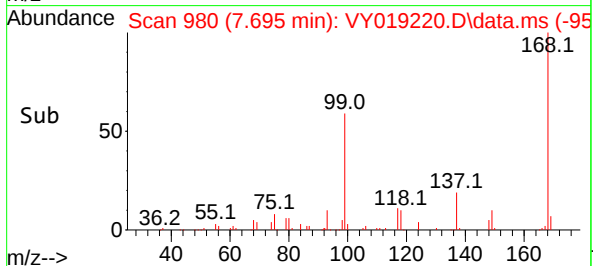
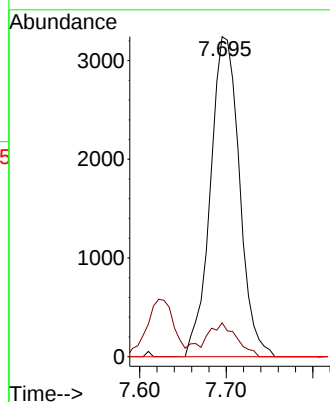
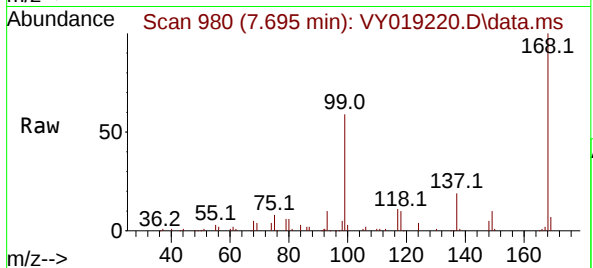
Tgt Ion: 75 Resp: 7571

Ion Ratio Lower Upper

75 100

110 11.0 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.072 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.109 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

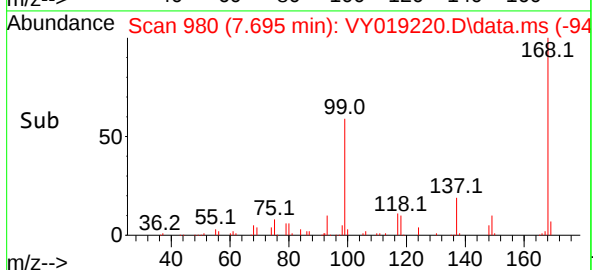
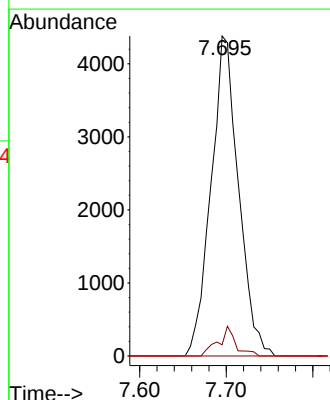
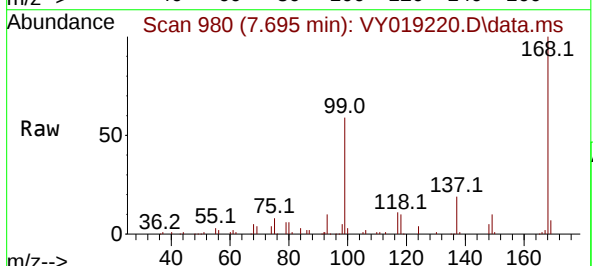
Tgt Ion: 117 Resp: 9674

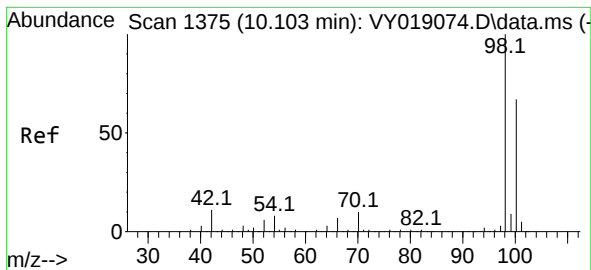
Ion Ratio Lower Upper

117 100

119 3.5 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 43.965 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Instrument :

MSVOA_Y

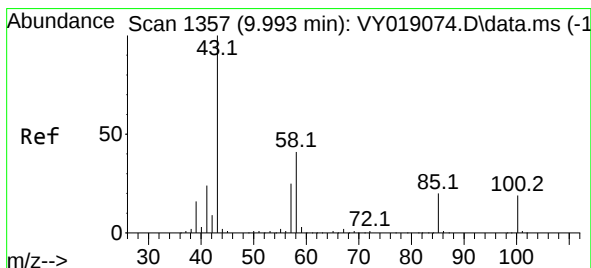
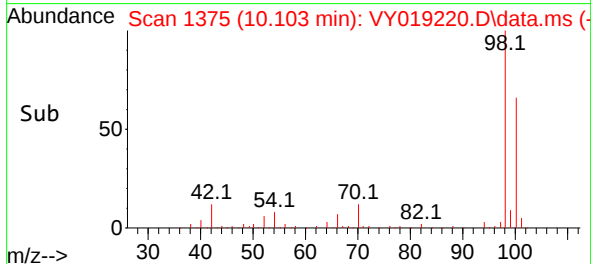
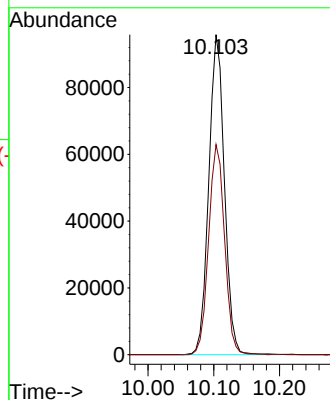
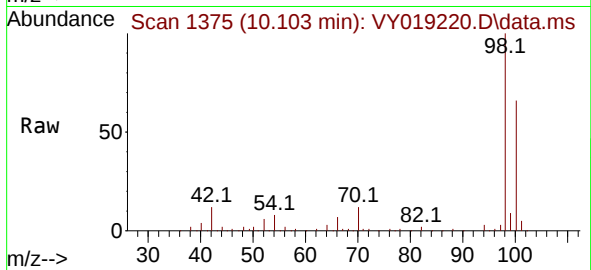
ClientSampleId :

Tgt Ion: 98 Resp: 158398

Ion Ratio Lower Upper

98 100

100 67.1 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.389 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.104 min

Lab File: VY019220.D

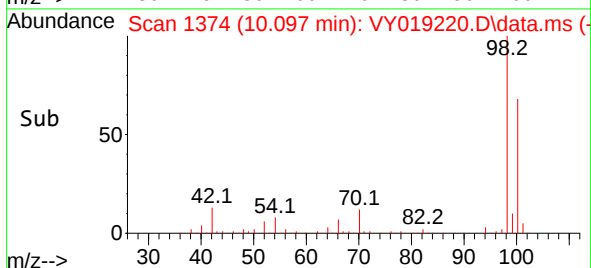
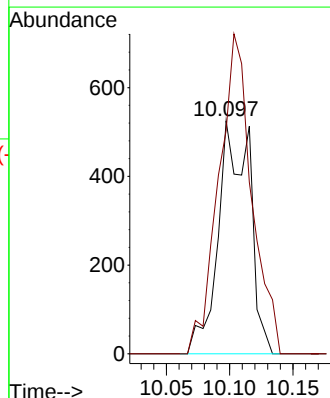
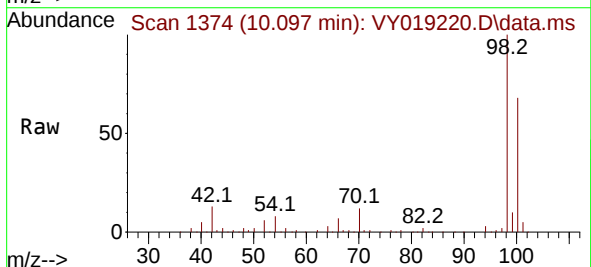
Acq: 22 Aug 2024 15:08

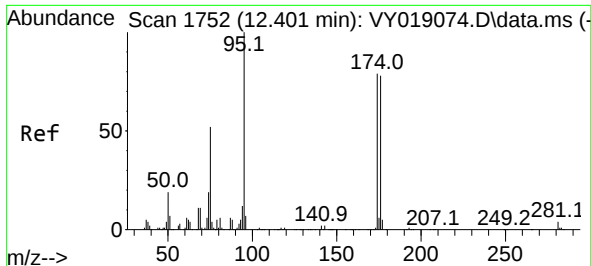
Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

58 144.5 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 42.099 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Instrument :

MSVOA_Y

ClientSampleId :

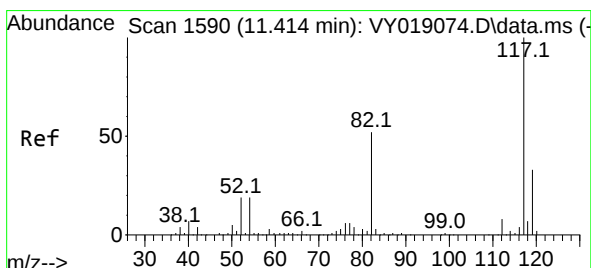
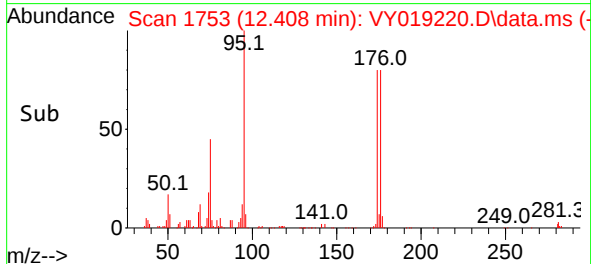
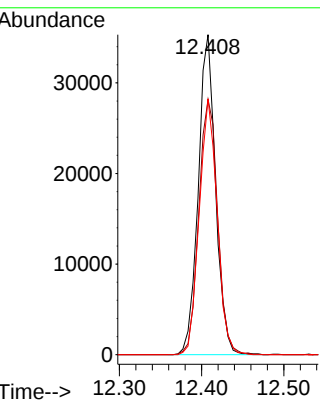
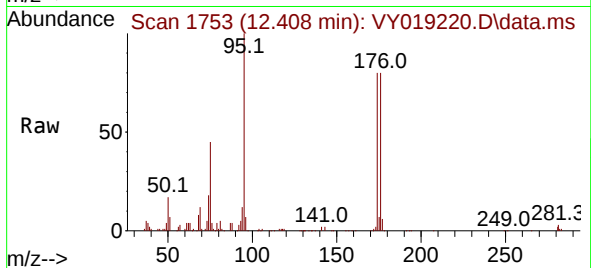
Tgt Ion: 95 Resp: 51706

Ion Ratio Lower Upper

95 100

174 86.9 0.0 175.6

176 82.6 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

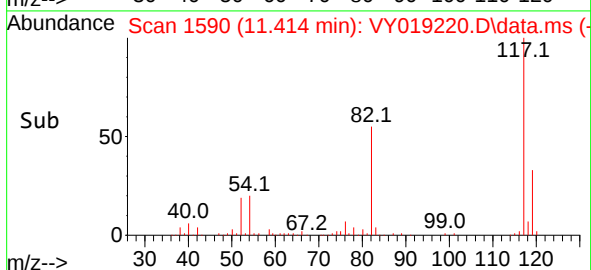
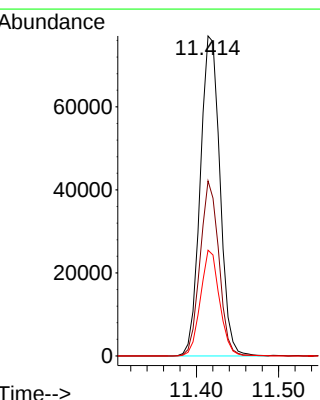
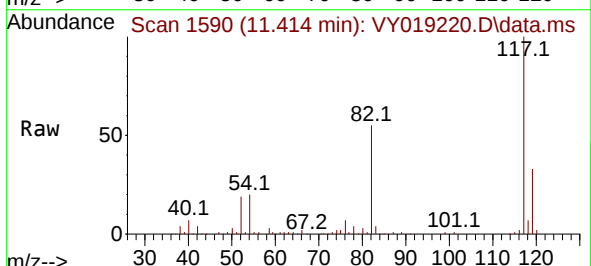
Tgt Ion: 117 Resp: 128245

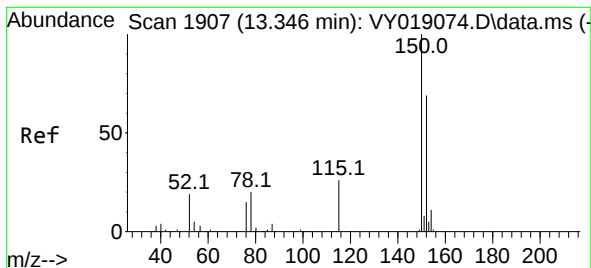
Ion Ratio Lower Upper

117 100

82 54.7 42.4 63.6

119 33.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

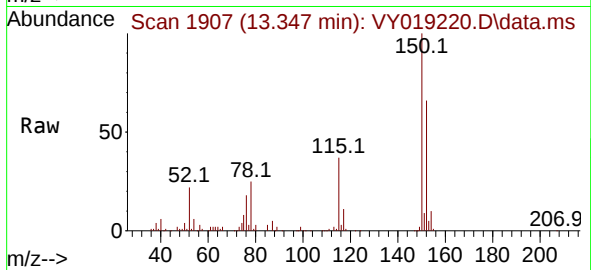
Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Instrument :

MSVOA_Y

ClientSampleId :



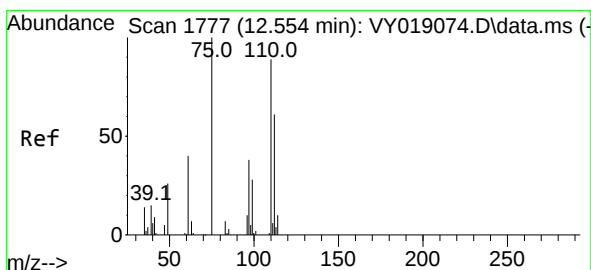
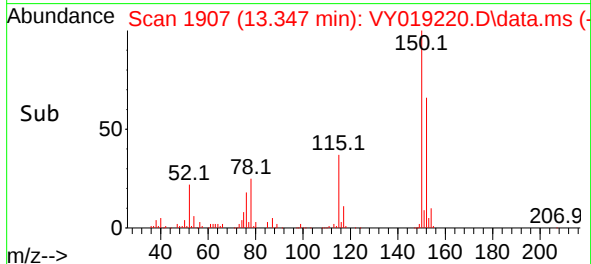
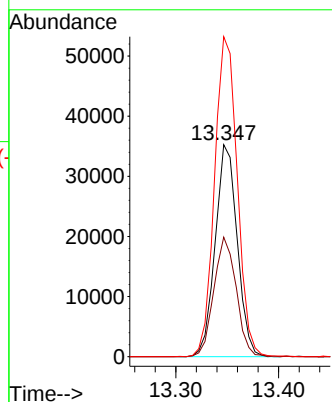
Tgt Ion:152 Resp: 52444

Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 155.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 52.139 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019220.D

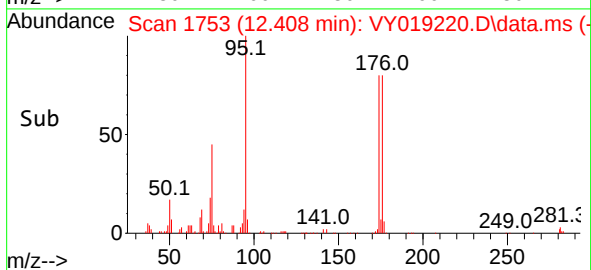
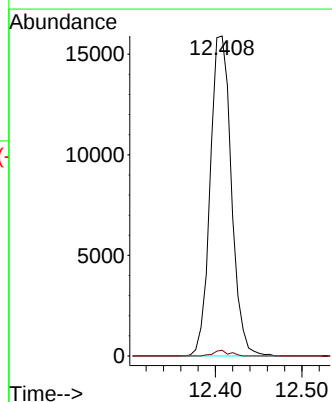
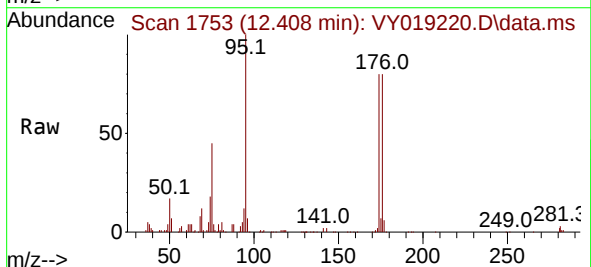
Acq: 22 Aug 2024 15:08

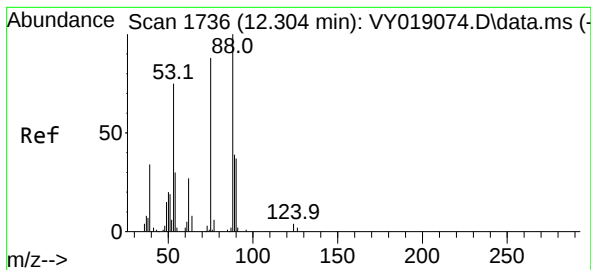
Tgt Ion: 75 Resp: 26966

Ion Ratio Lower Upper

75 100

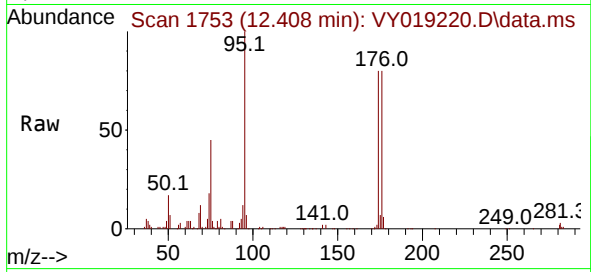
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.766 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019220.D
 Acq: 22 Aug 2024 15:08

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	26966
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

