

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013740.D
 Acq On : 15 May 2023 16:50
 Operator : KP/MD
 Sample : 02757-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: May 16 01:32:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

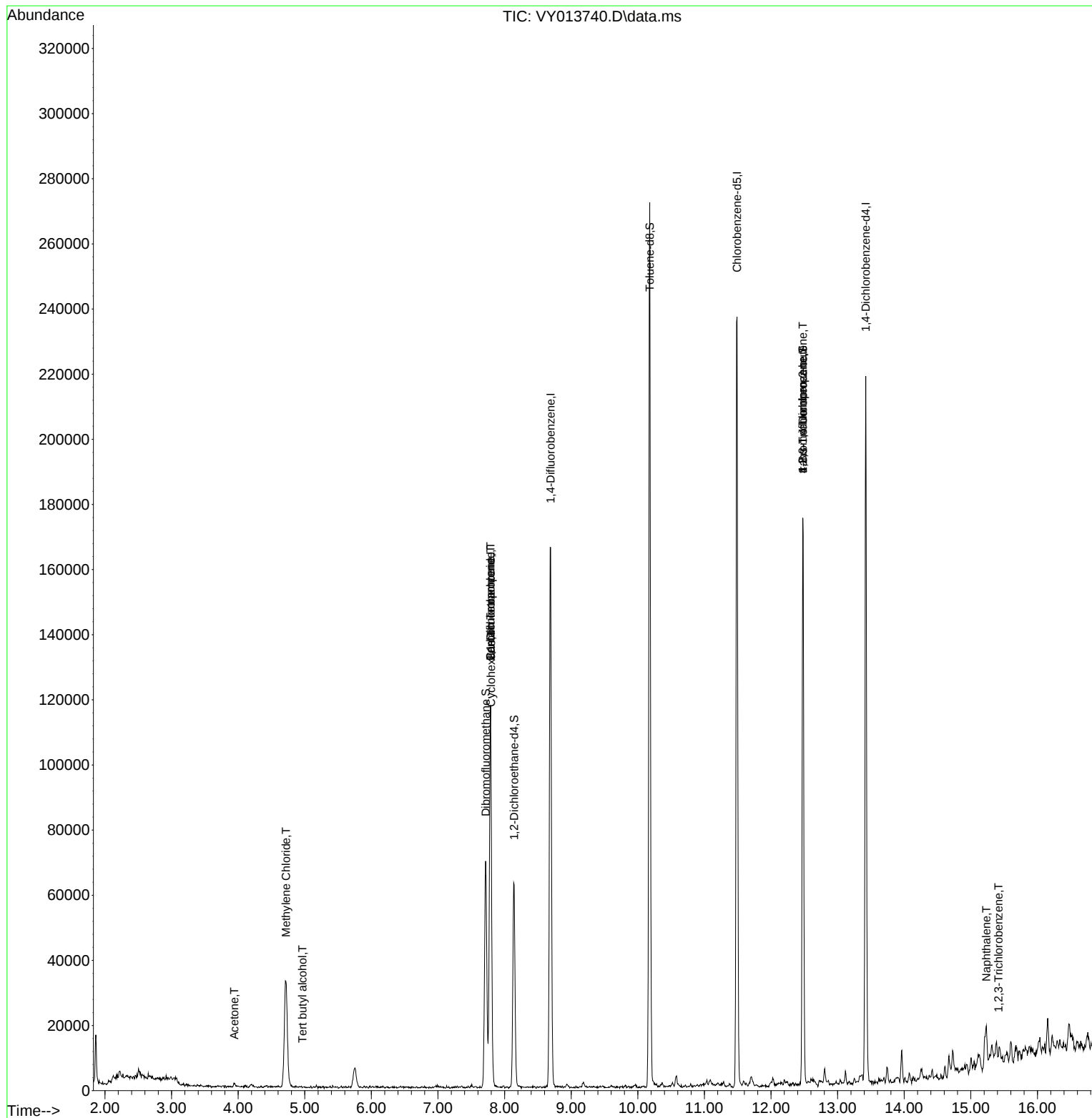
Internal Standards						
1) Pentafluorobenzene	7.789	168	89471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	141988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	129514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	50039	51.019	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.040%	
35) Dibromofluoromethane	7.715	113	47942	53.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.360%	
50) Toluene-d8	10.178	98	170633	53.710	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.420%	
62) 4-Bromofluorobenzene	12.477	95	50272	46.939	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	87	1.435	ug/l #	89
13) Acrolein	3.734	56	65	Below Cal		98
16) Acetone	3.942	43	1654	4.282	ug/l #	83
20) Methylene Chloride	4.716	84	24361	14.368	ug/l	92
31) Cyclohexane	7.795	56	2411	1.373	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	7012	4.731	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8398	5.406	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	27096	37.325	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	27096	76.350	ug/l #	13
95) Naphthalene	15.232	128	8729	3.976	ug/l	98
96) 1,2,3-Trichlorobenzene	15.415	180	1269	1.407	ug/l #	60

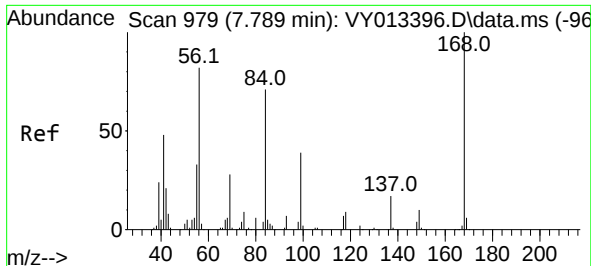
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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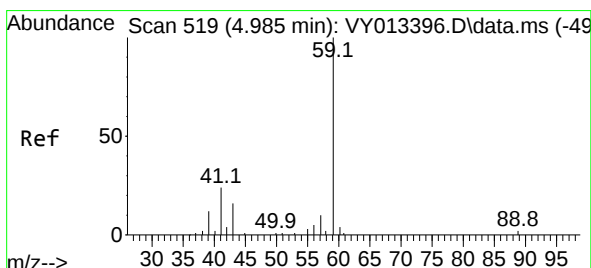
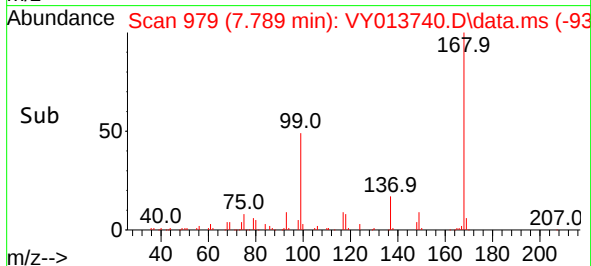
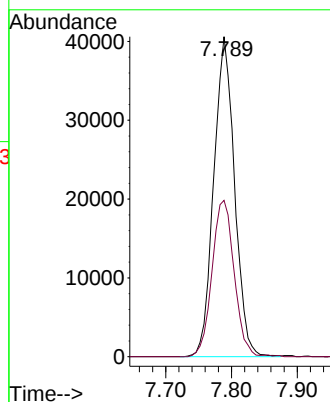
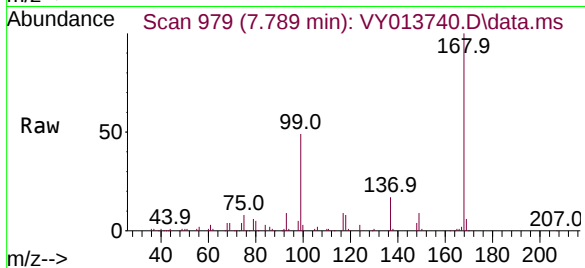




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013740.D
Acq: 15 May 2023 16:50

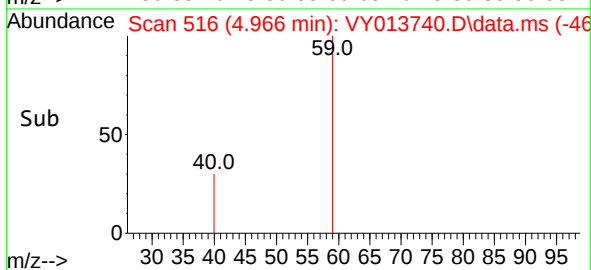
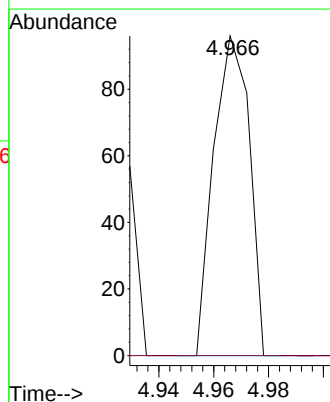
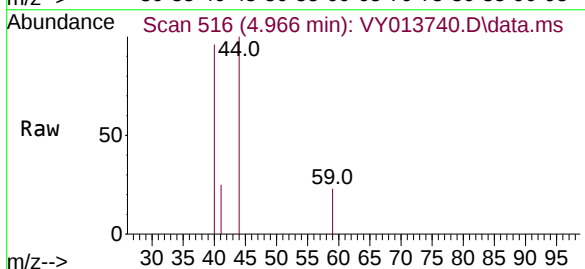
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

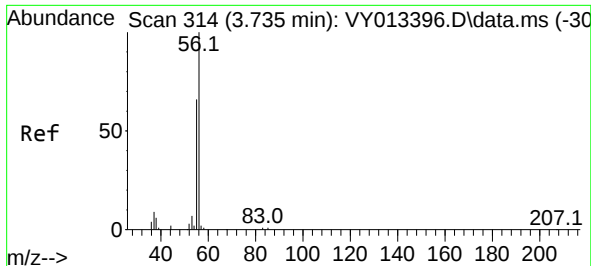
Tgt Ion:168 Resp: 89471
Ion Ratio Lower Upper
168 100
99 48.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.435 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY013740.D
Acq: 15 May 2023 16:50

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.734 min Scan# 314

Delta R.T. 0.005 min

Lab File: VY013740.D

Acq: 15 May 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

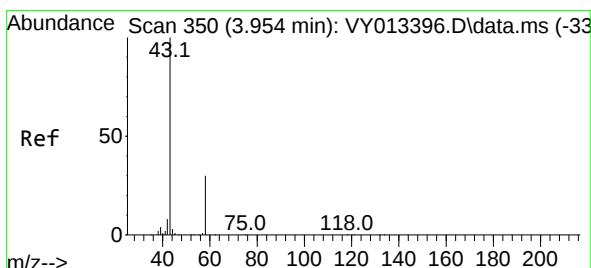
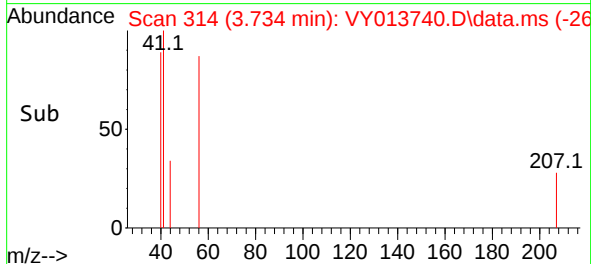
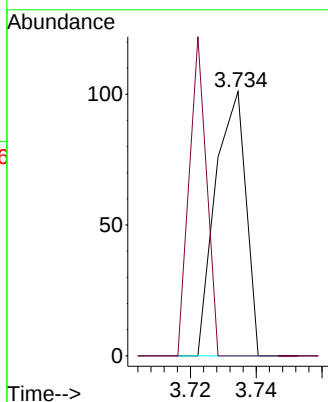
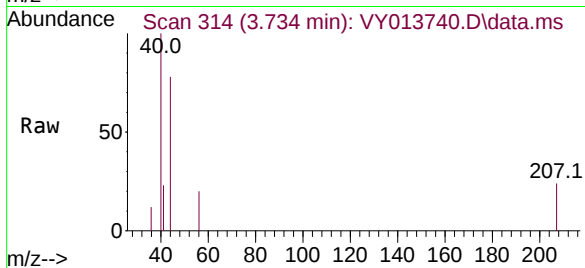
WC-1

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 69.2 54.1 81.1



#16

Acetone

Concen: 4.282 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY013740.D

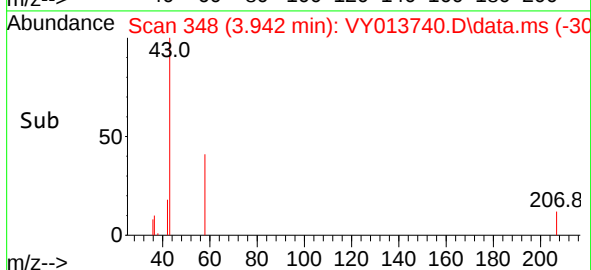
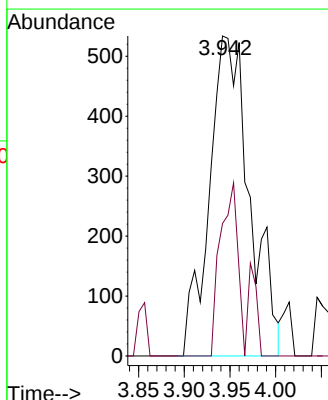
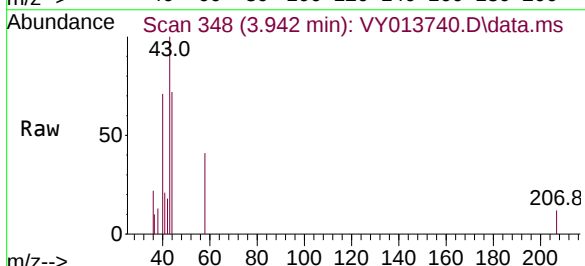
Acq: 15 May 2023 16:50

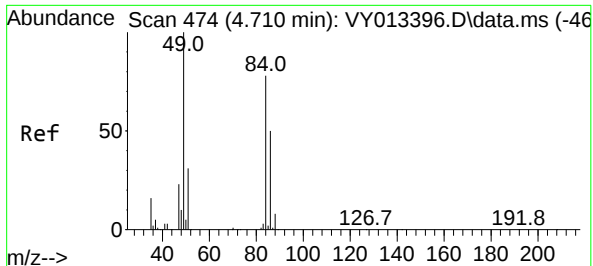
Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

43 100

58 41.4 25.4 38.0#





#20

Methylene Chloride

Concen: 14.368 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013740.D

Acq: 15 May 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

Tgt Ion: 84 Resp: 24361

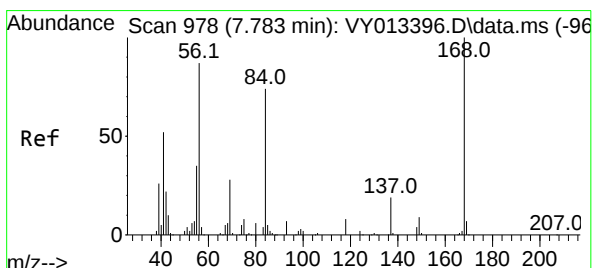
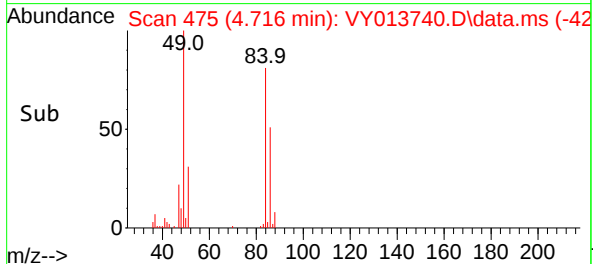
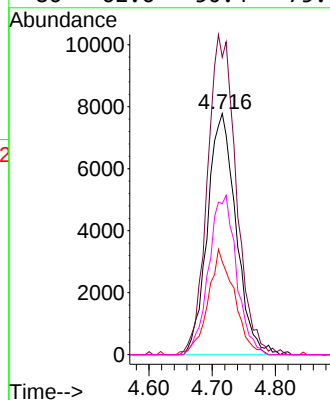
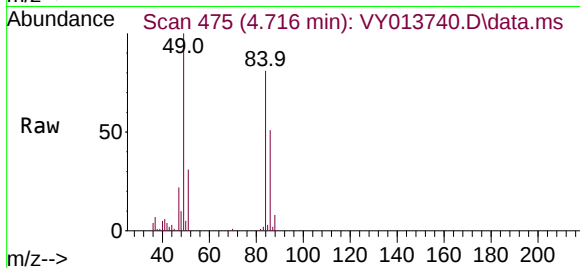
Ion Ratio Lower Upper

84 100

49 123.3 88.0 132.0

51 38.5 27.4 41.0

86 62.6 50.4 75.6



#31

Cyclohexane

Concen: 1.373 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY013740.D

Acq: 15 May 2023 16:50

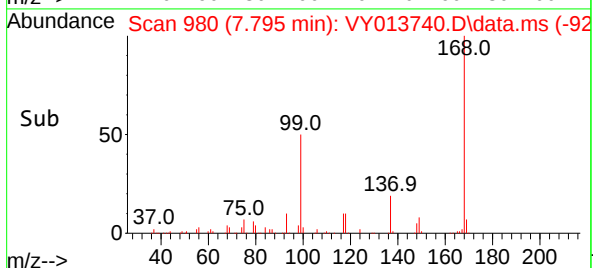
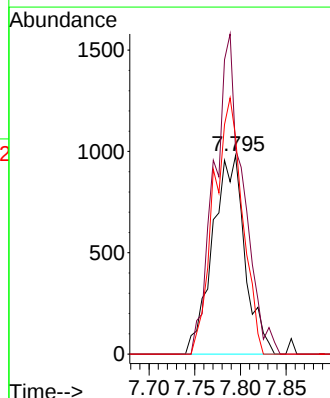
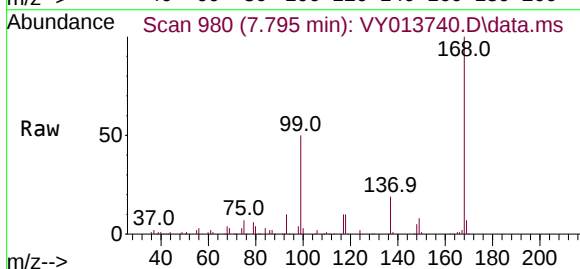
Tgt Ion: 56 Resp: 2411

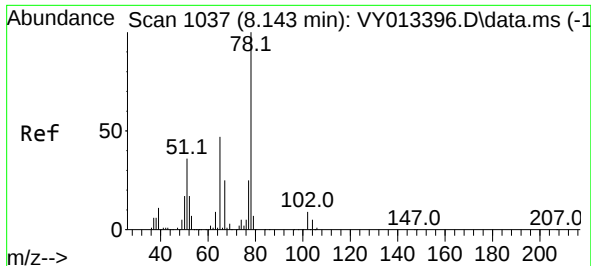
Ion Ratio Lower Upper

56 100

69 103.1 29.2 43.8#

84 109.4 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 51.019 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY013740.D

Acq: 15 May 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

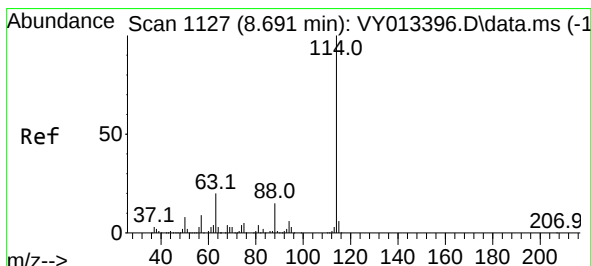
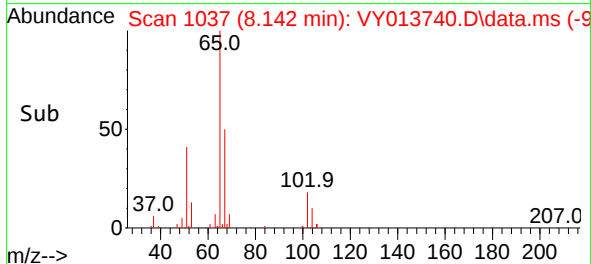
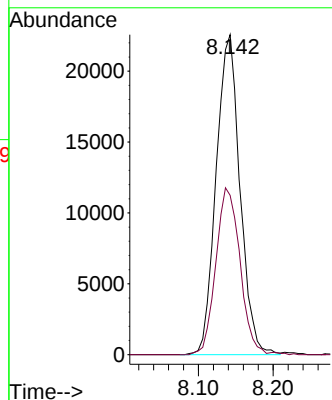
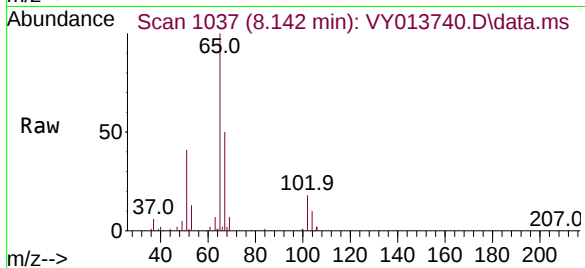
WC-1

Tgt Ion: 65 Resp: 50039

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013740.D

Acq: 15 May 2023 16:50

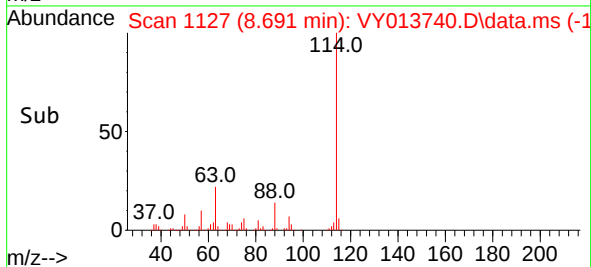
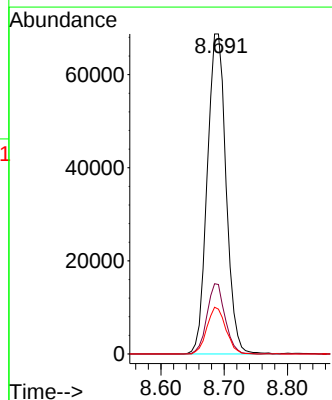
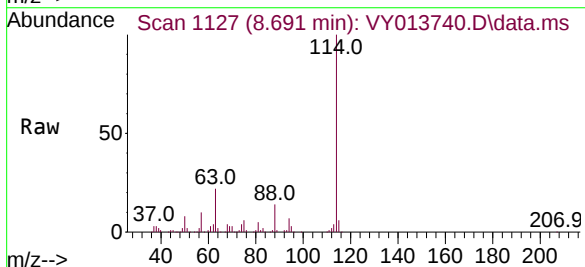
Tgt Ion: 114 Resp: 141988

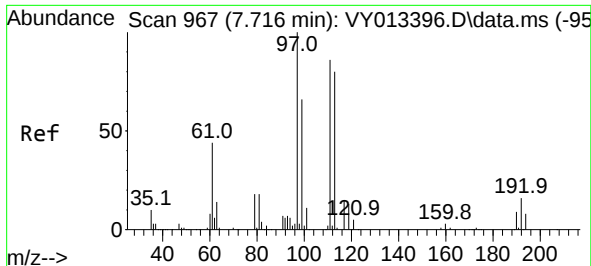
Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.6

88 14.0 0.0 28.8

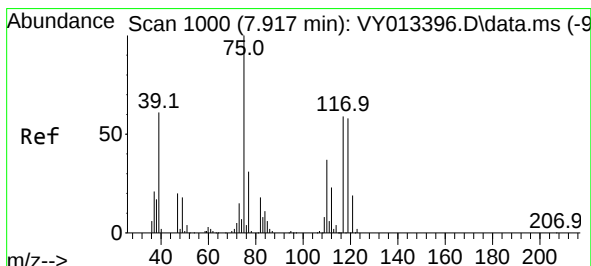
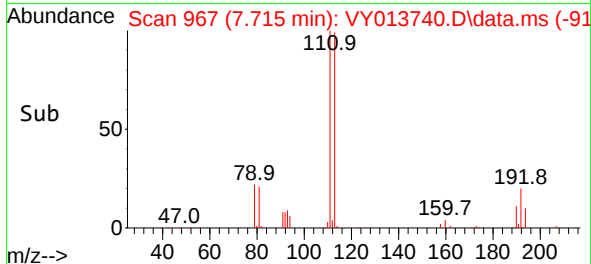
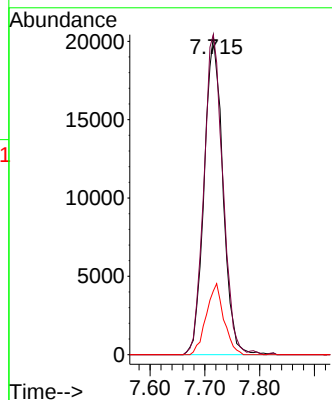
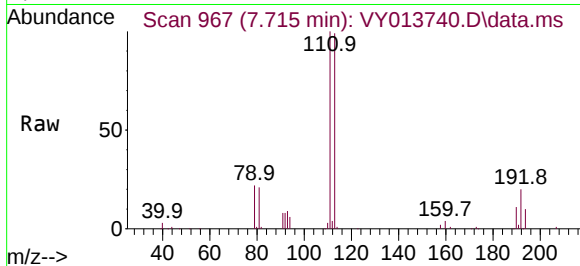




#35
Dibromofluoromethane
Concen: 53.684 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY013740.D
Acq: 15 May 2023 16:50

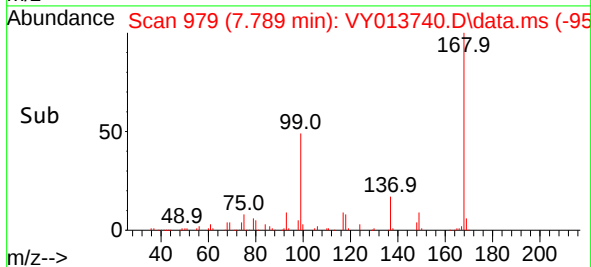
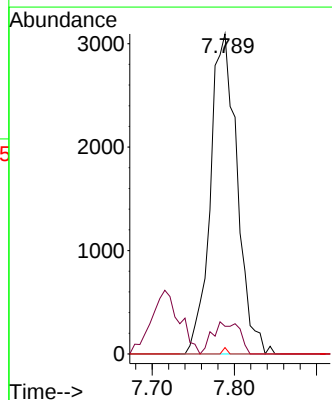
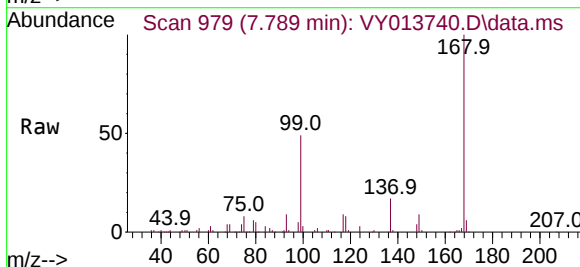
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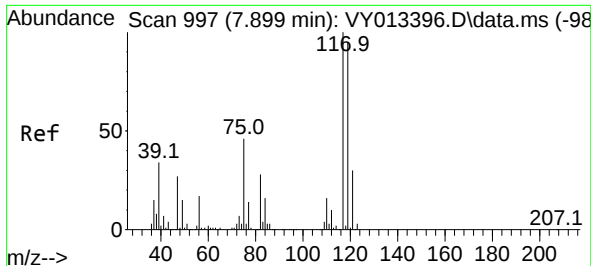
Tgt Ion:113 Resp: 47942
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 21.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013740.D
Acq: 15 May 2023 16:50

Tgt Ion: 75 Resp: 7012
Ion Ratio Lower Upper
75 100
110 10.0 18.7 56.1#
77 0.3 24.6 37.0#

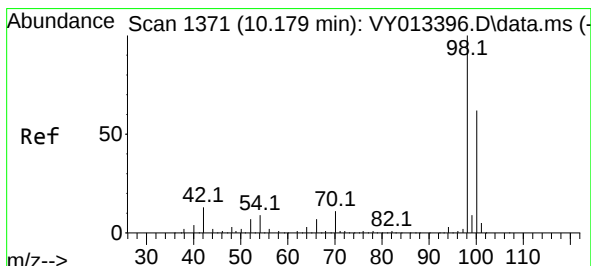
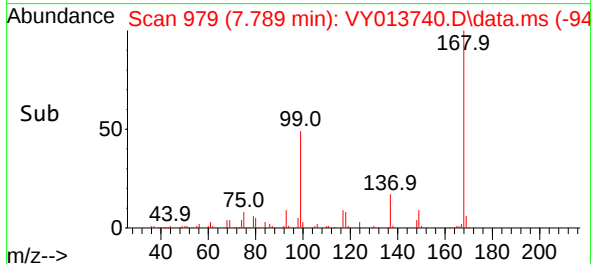
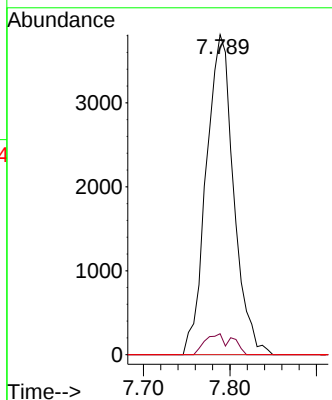
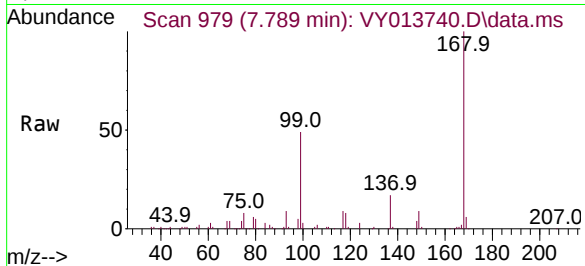




#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013740.D
Acq: 15 May 2023 16:50

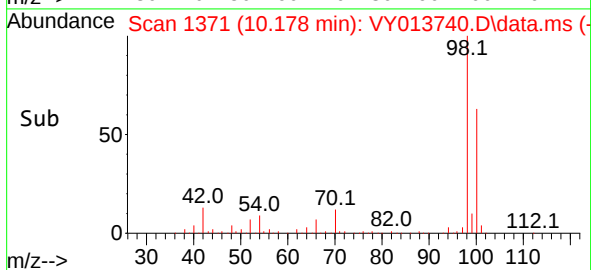
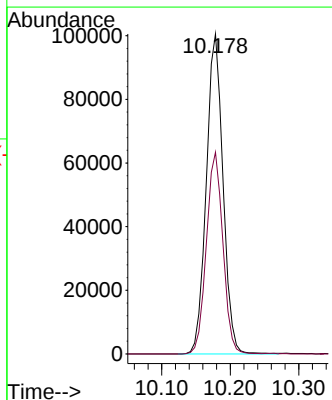
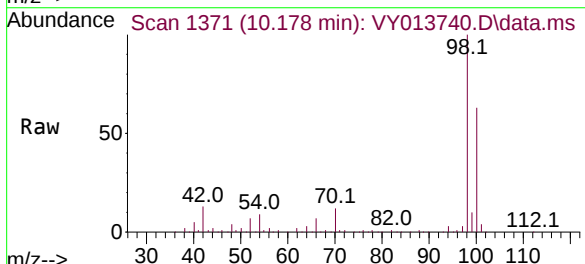
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

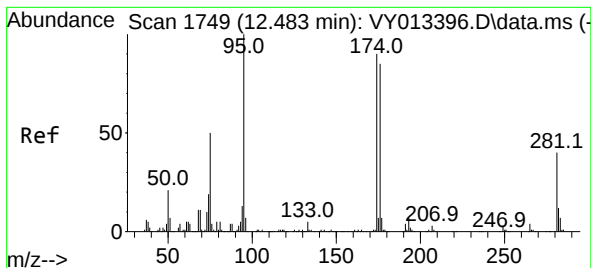
Tgt Ion:117 Resp: 8398
Ion Ratio Lower Upper
117 100
119 6.6 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 53.710 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY013740.D
Acq: 15 May 2023 16:50

Tgt Ion: 98 Resp: 170633
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 46.939 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013740.D

Acq: 15 May 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

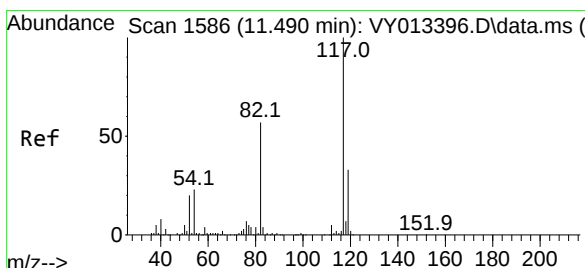
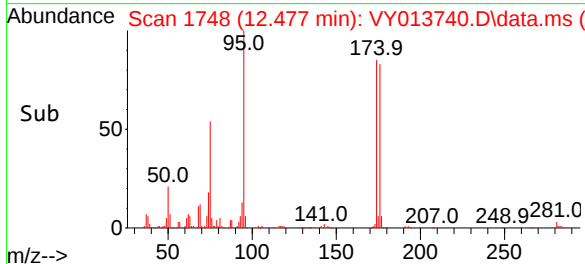
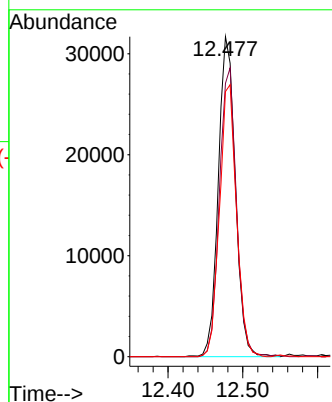
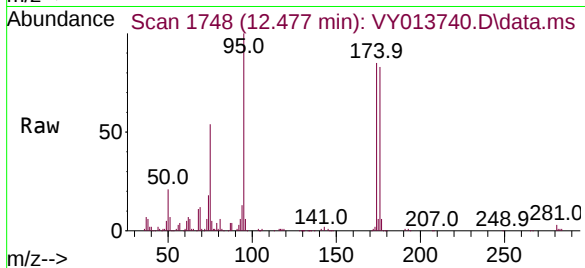
Tgt Ion: 95 Resp: 50272

Ion Ratio Lower Upper

95 100

174 90.2 0.0 182.0

176 84.9 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013740.D

Acq: 15 May 2023 16:50

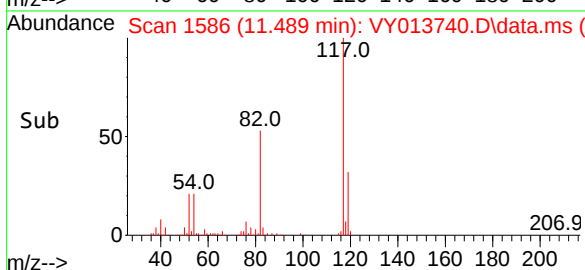
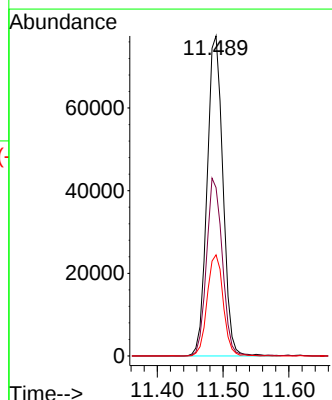
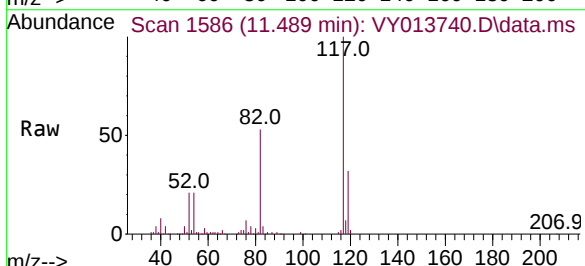
Tgt Ion: 117 Resp: 129514

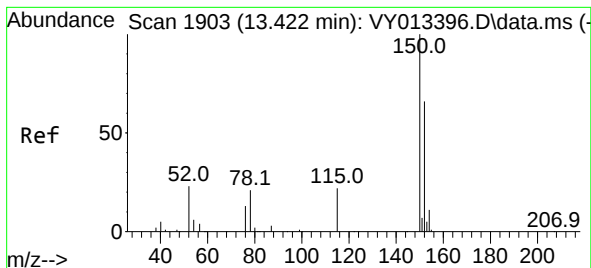
Ion Ratio Lower Upper

117 100

82 52.6 43.0 64.6

119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013740.D

Acq: 15 May 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

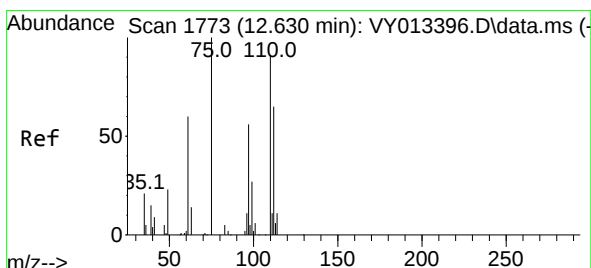
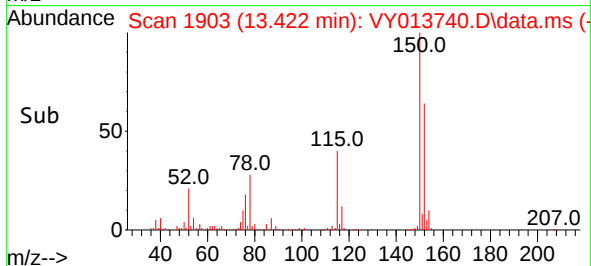
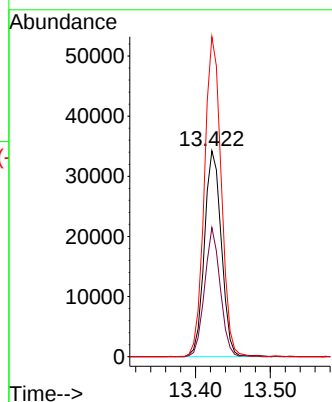
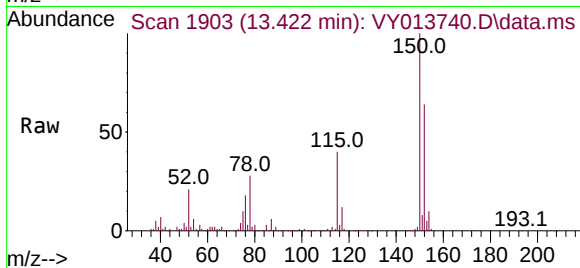
Tgt Ion:152 Resp: 53829

Ion Ratio Lower Upper

152 100

115 58.0 28.1 84.2

150 154.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.325 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013740.D

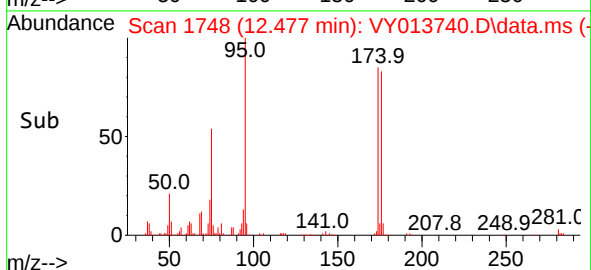
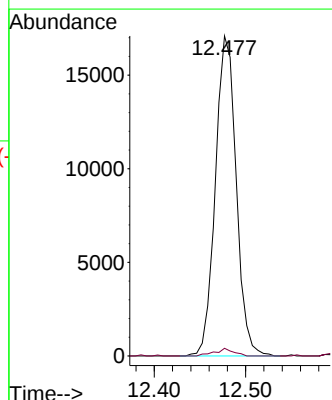
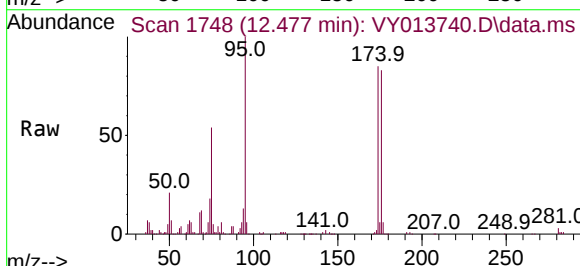
Acq: 15 May 2023 16:50

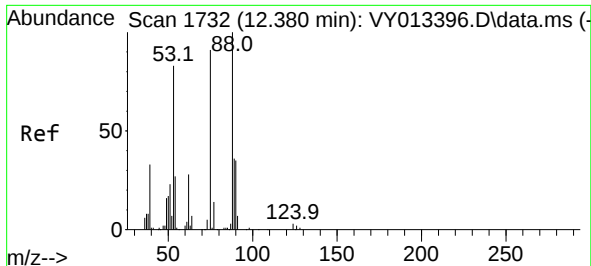
Tgt Ion: 75 Resp: 27096

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#

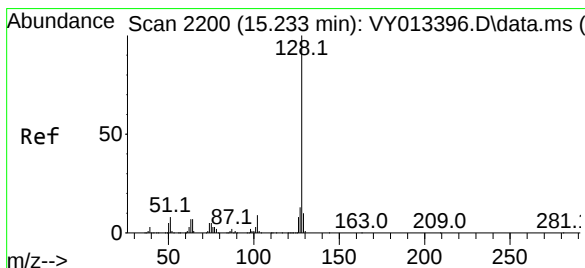
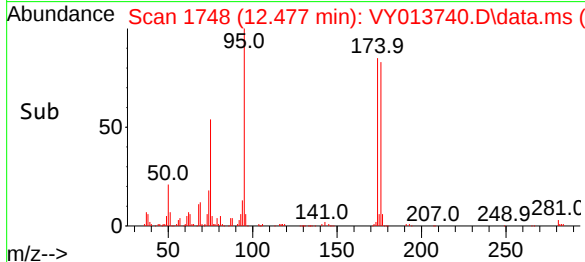
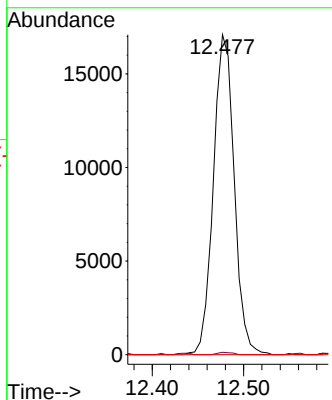
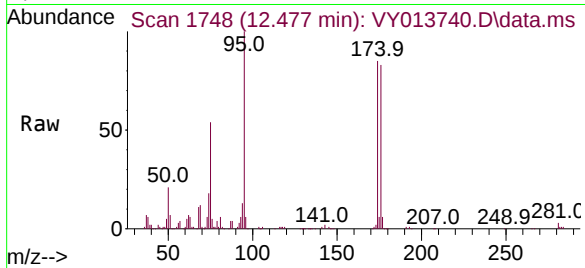




#81
trans-1,4-Dichloro-2-butene
Concen: 76.350 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013740.D
Acq: 15 May 2023 16:50

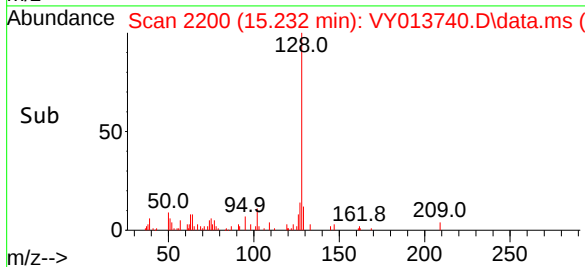
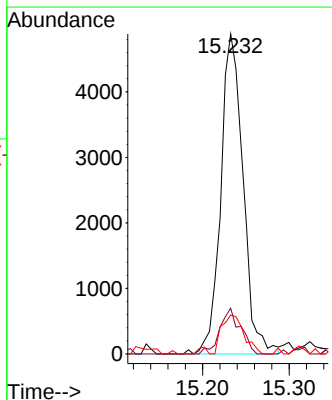
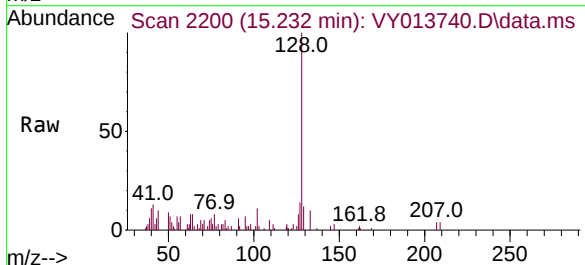
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

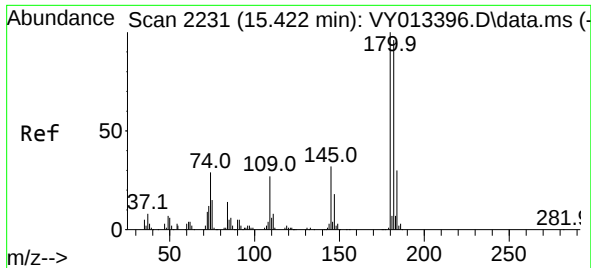
Tgt Ion: 75 Resp: 27096
Ion Ratio Lower Upper
75 100
53 0.5 73.2 109.8#
89 0.0 38.0 57.0#



#95
Naphthalene
Concen: 3.976 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.001 min
Lab File: VY013740.D
Acq: 15 May 2023 16:50

Tgt Ion: 128 Resp: 8729
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 12.2 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 1.407 ug/l

RT: 15.415 min Scan# 21

Delta R.T. -0.007 min

Lab File: VY013740.D

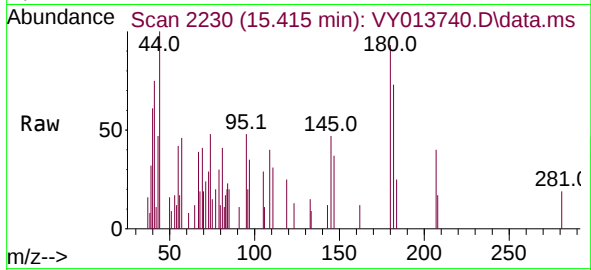
Acq: 15 May 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

WC-1



Tgt Ion:180 Resp: 1269

Ion Ratio Lower Upper

180 100

182 90.9 47.1 141.3

145 114.7 15.9 47.7#

