

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015253.D
 Acq On : 22 Aug 2023 18:37
 Operator : SY/MD
 Sample : 04100-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: Aug 23 02:46:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

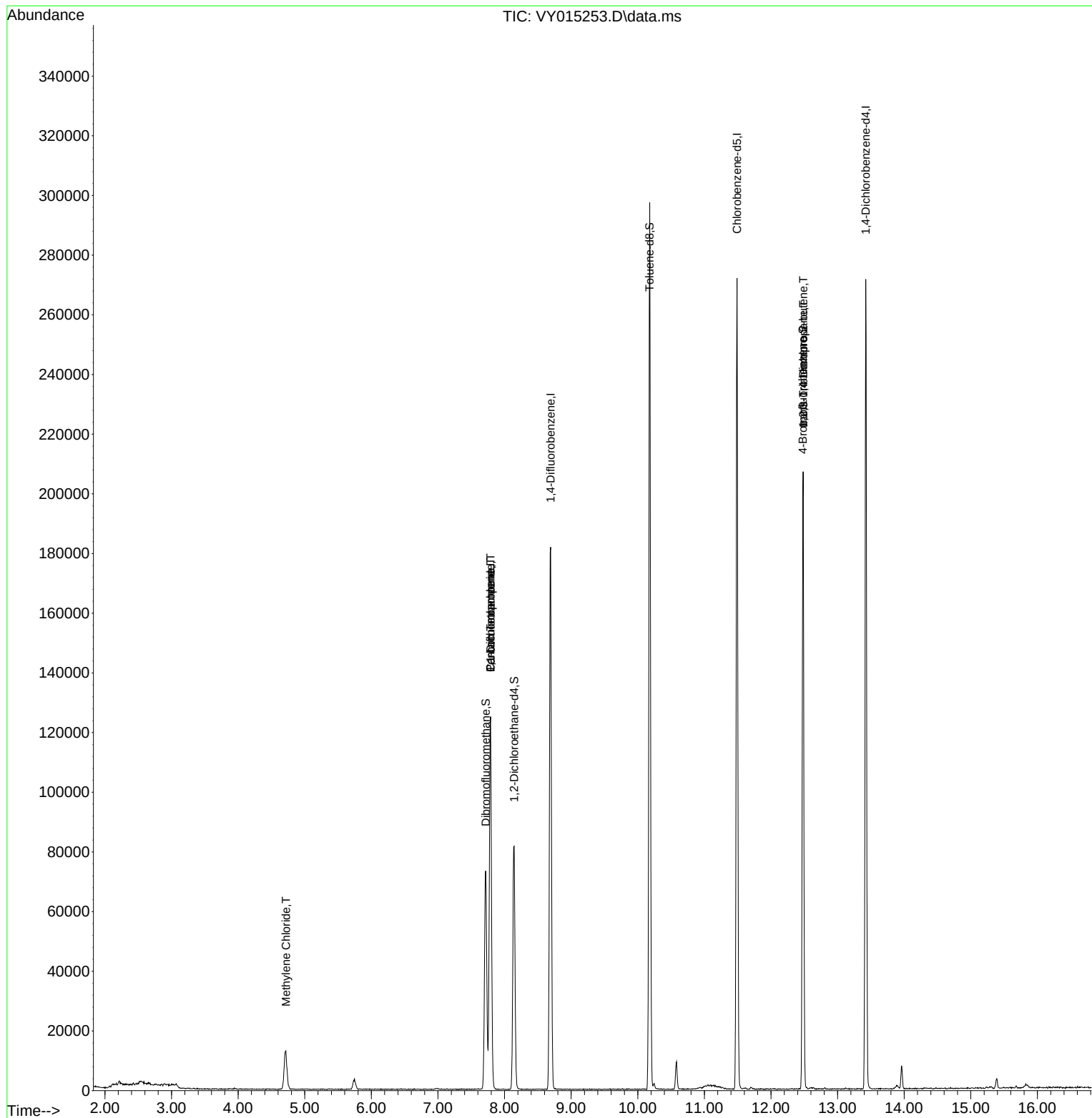
Internal Standards						
1) Pentafluorobenzene	7.789	168	96965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	160270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	146726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	69862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	65815	56.543	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.080%	
35) Dibromofluoromethane	7.716	113	52156	50.584	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.160%	
50) Toluene-d8	10.179	98	189183	49.289	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.580%	
62) 4-Bromofluorobenzene	12.477	95	61460	43.840	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	451	Below Cal	#	75
5) Bromomethane	2.656	94	201	Below Cal	#	59
20) Methylene Chloride	4.716	84	9754	6.981	ug/l #	89
31) Cyclohexane	7.789	56	2043	Below Cal	#	11
36) 1,1-Dichloropropene	7.789	75	7313	6.411	ug/l #	49
38) Carbon Tetrachloride	7.789	117	9482	7.024	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	33771	39.788	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33771	87.394	ug/l #	10

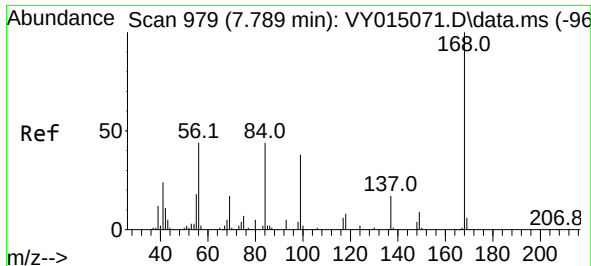
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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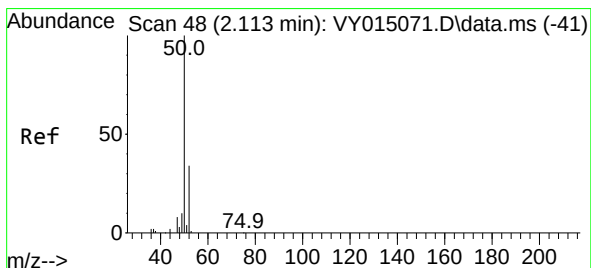
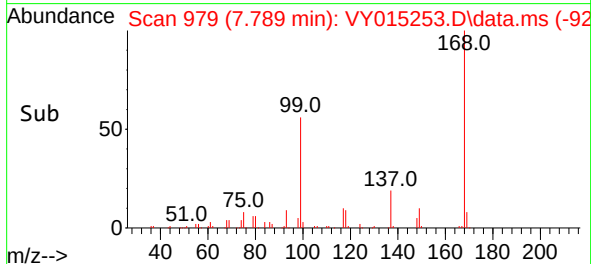
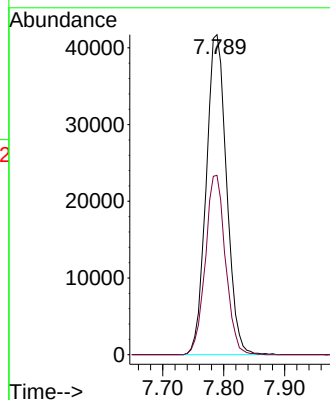
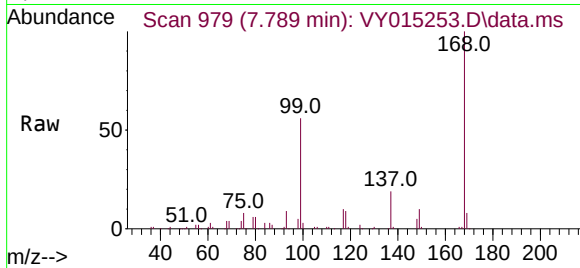




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015253.D
Acq: 22 Aug 2023 18:37

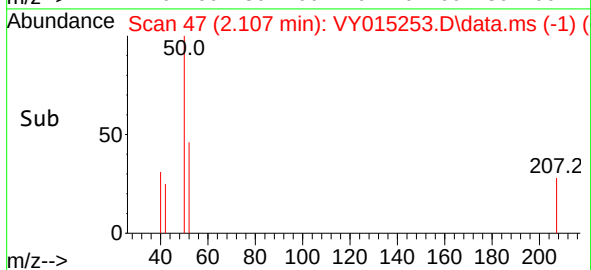
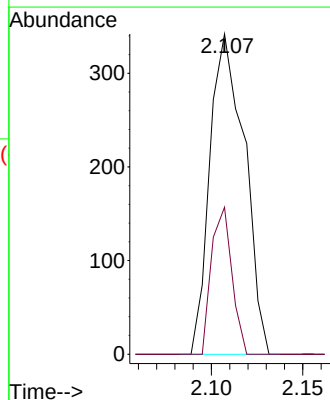
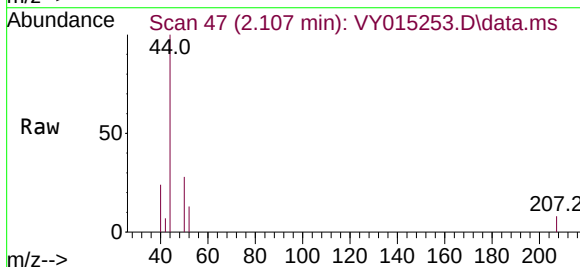
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

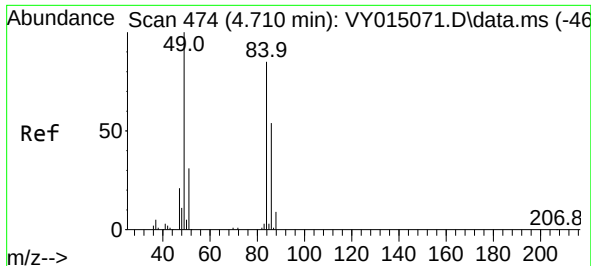
Tgt Ion:168 Resp: 96965
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015253.D
Acq: 22 Aug 2023 18:37

Tgt Ion: 50 Resp: 451
Ion Ratio Lower Upper
50 100
52 45.9 25.4 38.2#

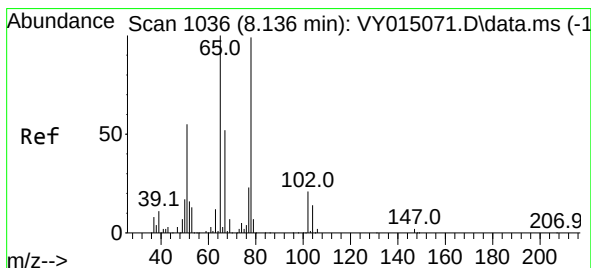
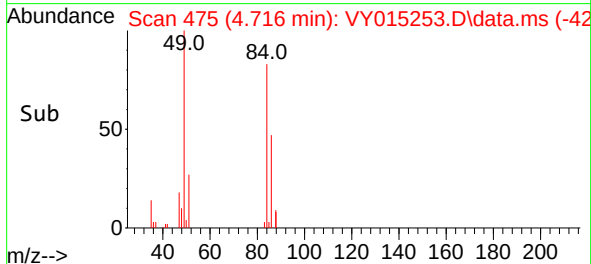
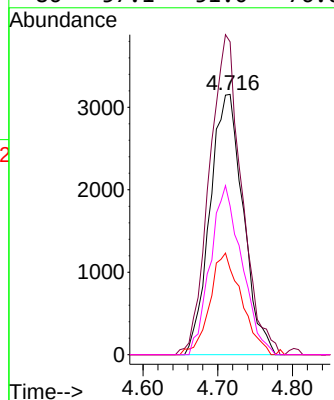
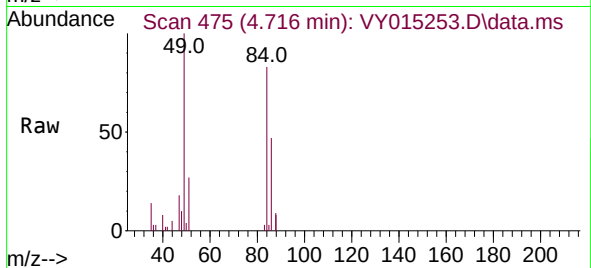




#20
Methylene Chloride
Concen: 6.981 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015253.D
Acq: 22 Aug 2023 18:37

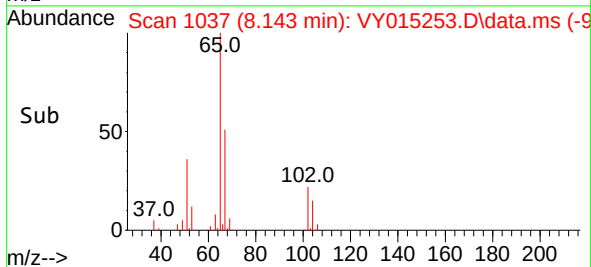
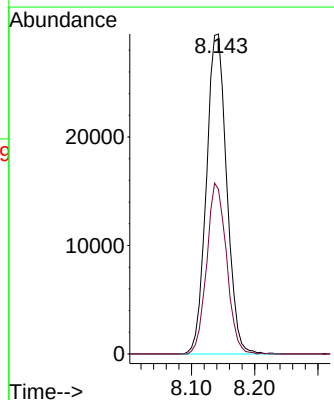
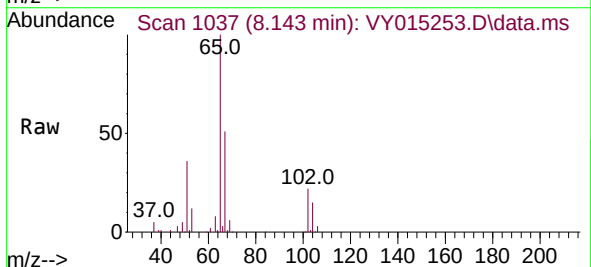
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

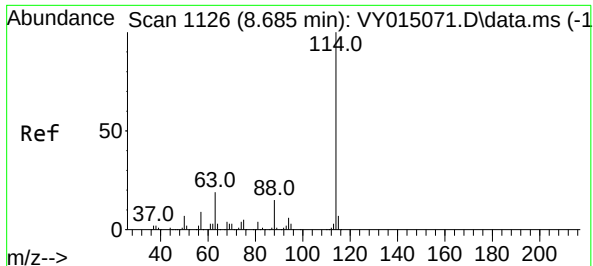
Tgt Ion:	84	Resp:	9754
Ion	Ratio	Lower	Upper
84	100		
49	120.2	106.9	160.3
51	32.9	33.2	49.8#
86	57.1	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 56.543 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015253.D
Acq: 22 Aug 2023 18:37

Tgt Ion:	65	Resp:	65815
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015253.D

Acq: 22 Aug 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

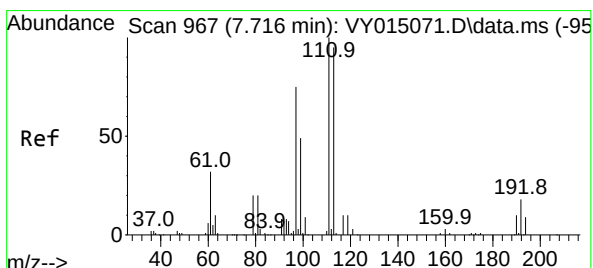
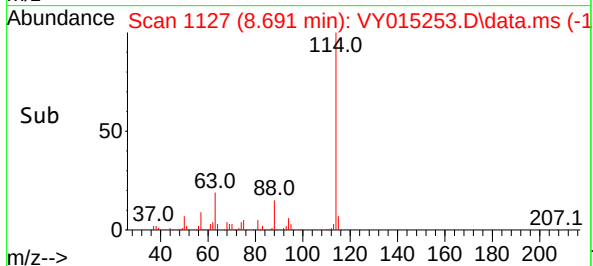
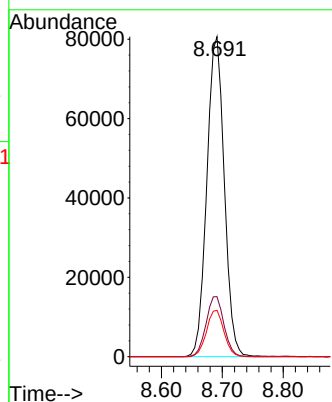
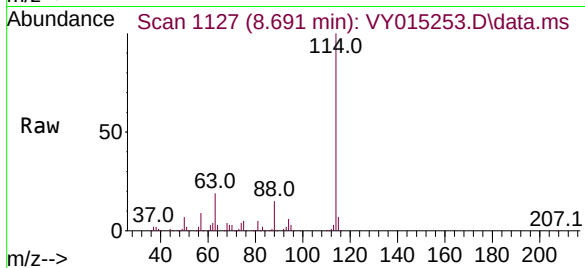
Tgt Ion:114 Resp: 160270

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.584 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015253.D

Acq: 22 Aug 2023 18:37

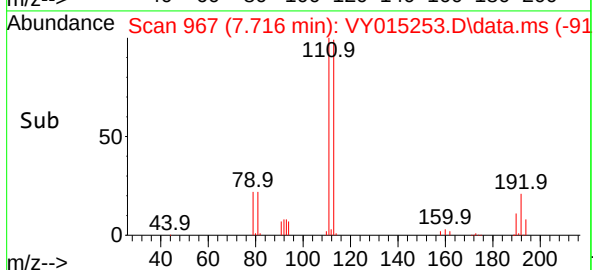
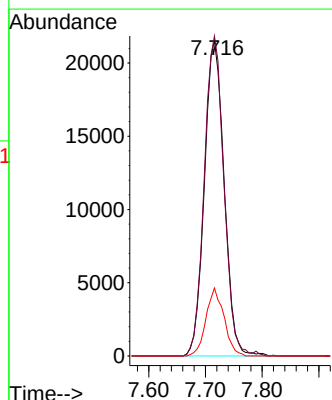
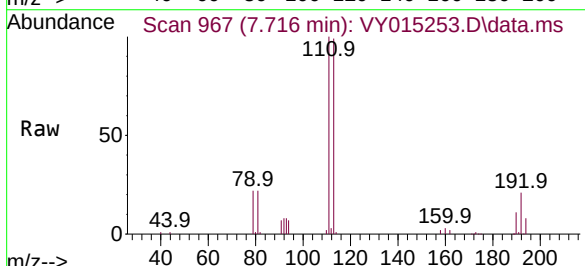
Tgt Ion:113 Resp: 52156

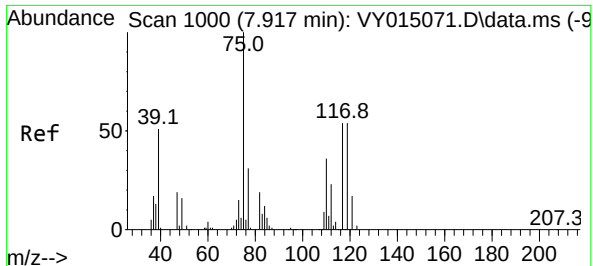
Ion Ratio Lower Upper

113 100

111 100.8 81.3 121.9

192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.411 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY015253.D

Acq: 22 Aug 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

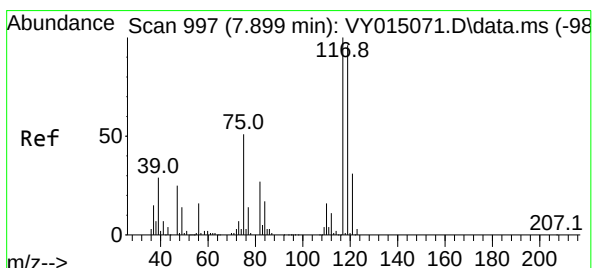
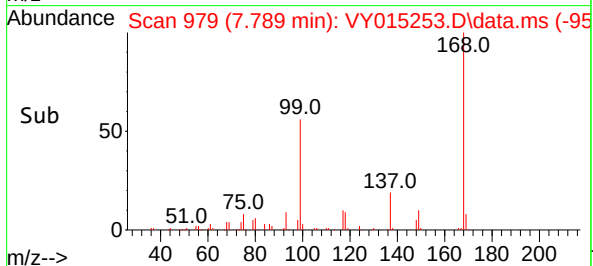
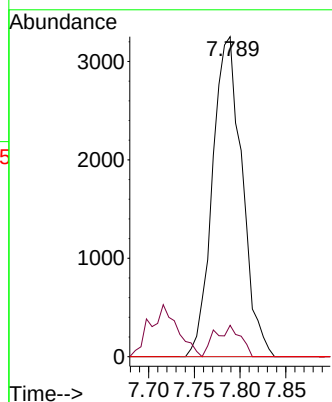
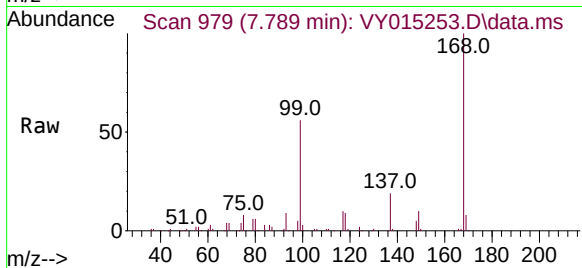
Tgt Ion: 75 Resp: 7313

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.024 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015253.D

Acq: 22 Aug 2023 18:37

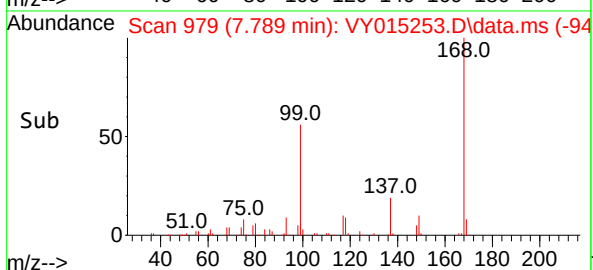
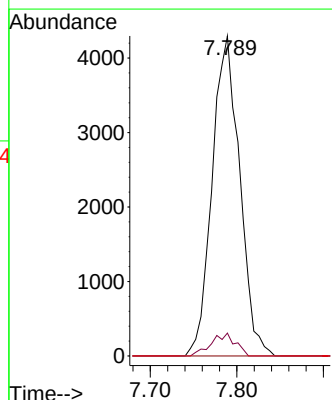
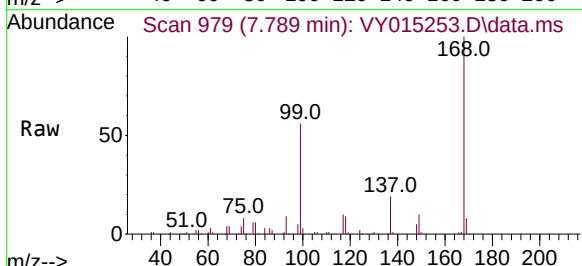
Tgt Ion: 117 Resp: 9482

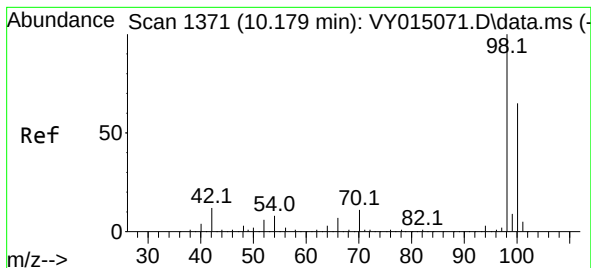
Ion Ratio Lower Upper

117 100

119 7.2 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.289 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015253.D

Acq: 22 Aug 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

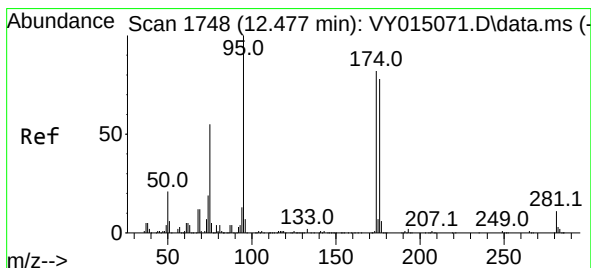
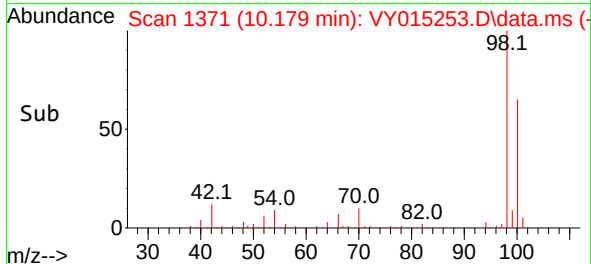
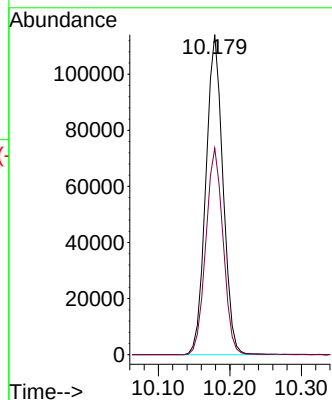
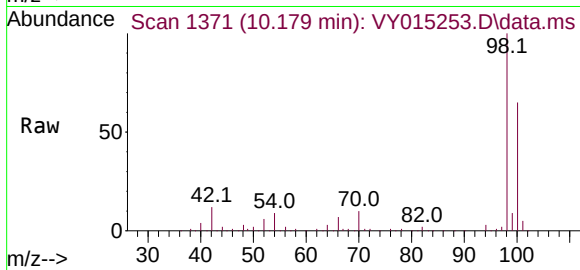
WC-1

Tgt Ion: 98 Resp: 189183

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 43.840 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015253.D

Acq: 22 Aug 2023 18:37

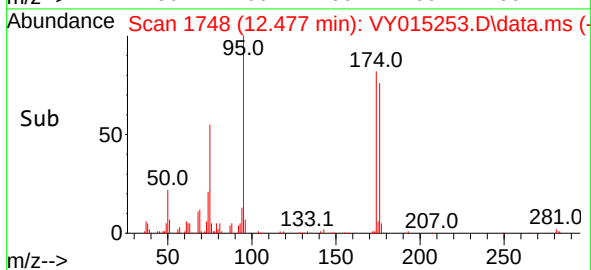
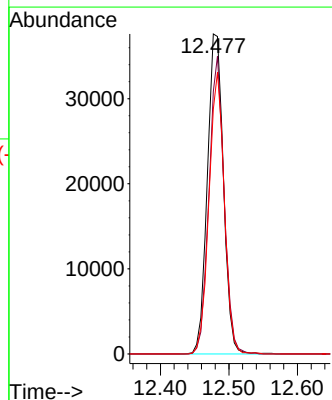
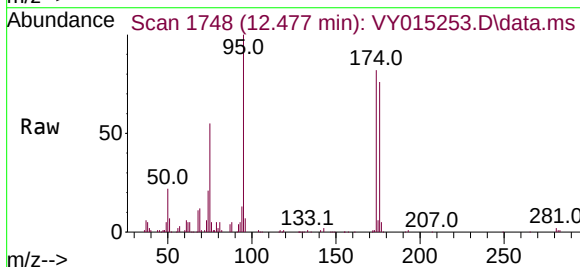
Tgt Ion: 95 Resp: 61460

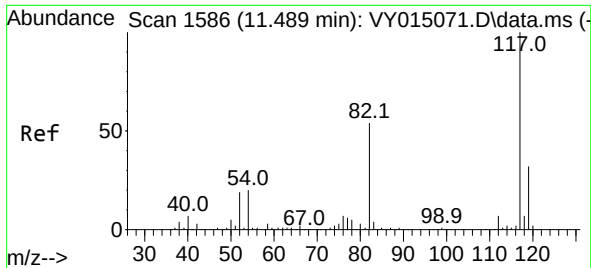
Ion Ratio Lower Upper

95 100

174 87.3 0.0 178.2

176 84.0 0.0 173.8

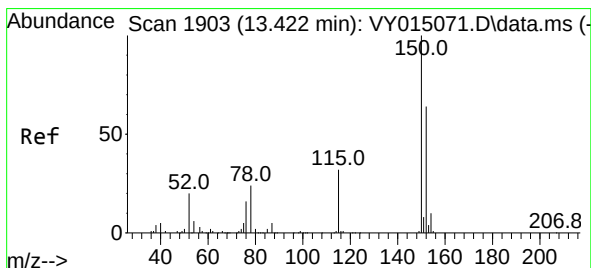
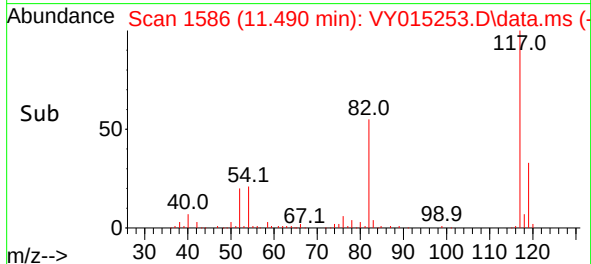
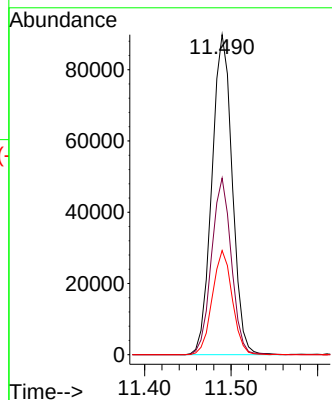
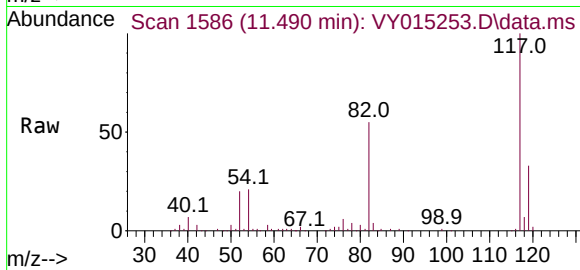




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015253.D
Acq: 22 Aug 2023 18:37

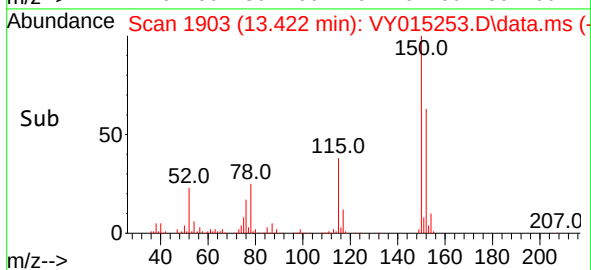
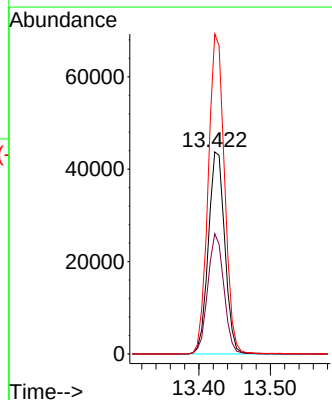
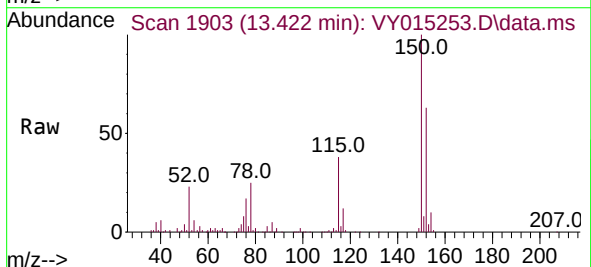
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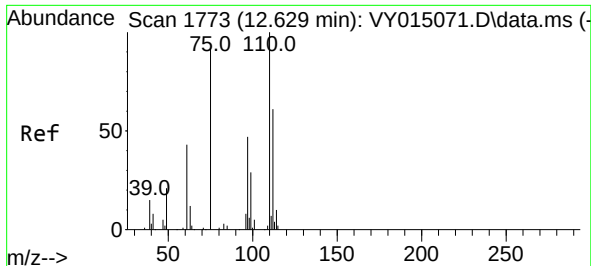
Tgt Ion:117 Resp: 146726
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015253.D
Acq: 22 Aug 2023 18:37

Tgt Ion:152 Resp: 69862
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 157.3 0.0 348.8

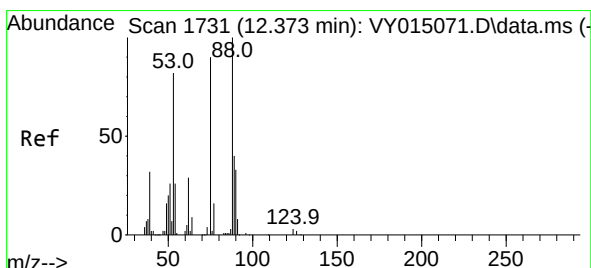
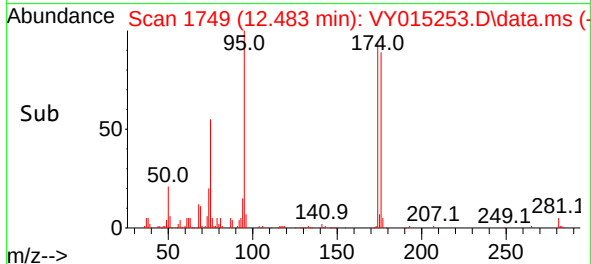
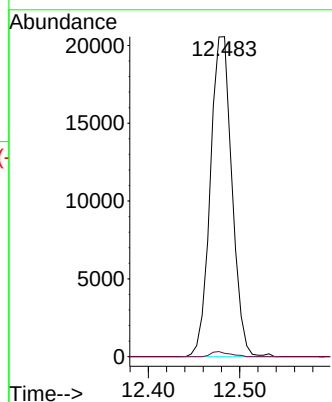
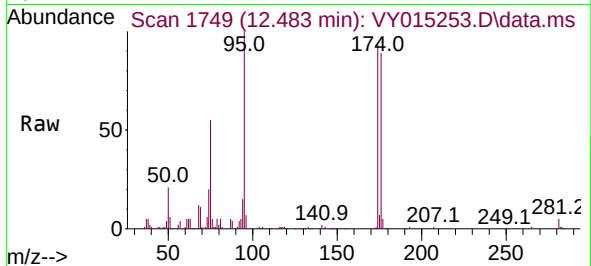




#76
1,2,3-Trichloropropane
Concen: 39.788 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015253.D
Acq: 22 Aug 2023 18:37

Instrument :
MSVOA_Y
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 33771
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.394 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015253.D
Acq: 22 Aug 2023 18:37

Tgt Ion: 75 Resp: 33771
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

