

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017289.D
 Acq On : 07 Feb 2024 15:13
 Operator : SY/MD
 Sample : P1379-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RE137-CARBON-20240205

Quant Time: Feb 08 01:43:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

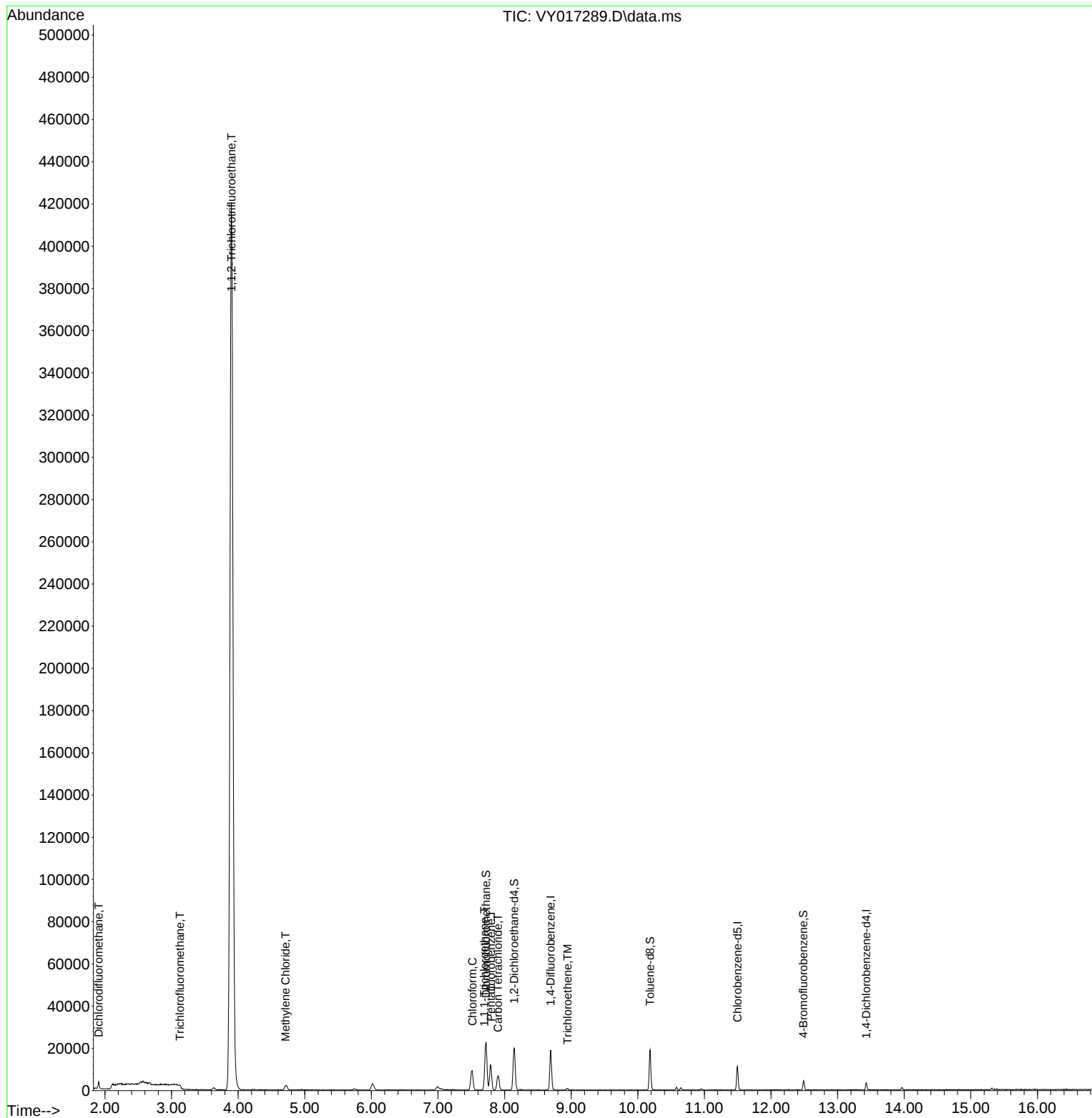
Internal Standards						
1) Pentafluorobenzene	7.795	168	8855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	15244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	6247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15550	196.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 393.140%#	
35) Dibromofluoromethane	7.722	113	15332	186.276	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 372.560%#	
50) Toluene-d8	10.185	98	12682	42.319	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 84.640%	
62) 4-Bromofluorobenzene	12.483	95	1036	10.553	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 21.100%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	2478	36.915	ug/l	96
7) Trichlorofluoromethane	3.125	101	2169	14.354	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	271244	2961.093	ug/l	96
20) Methylene Chloride	4.710	84	1713	15.577	ug/l #	79
30) Chloroform	7.515	83	8889	50.619	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	887	5.872	ug/l #	83
38) Carbon Tetrachloride	7.899	117	4772	35.105	ug/l	94
44) Trichloroethene	8.947	130	303	2.944	ug/l	61

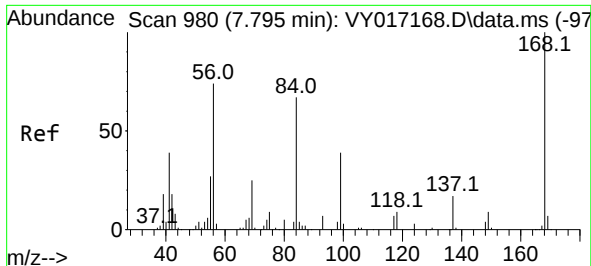
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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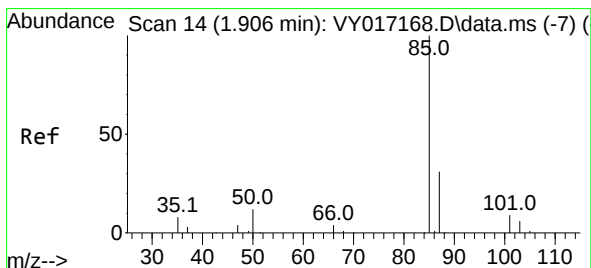
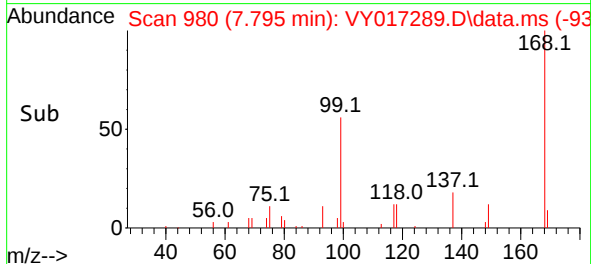
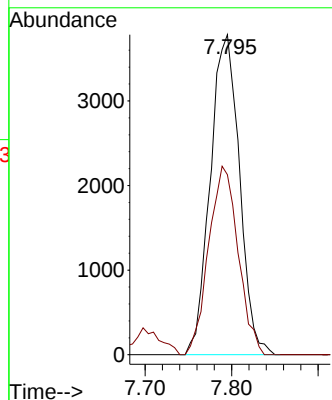
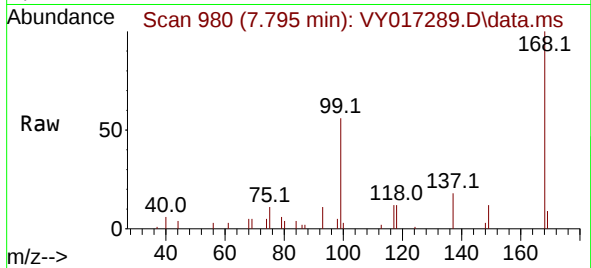




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017289.D
Acq: 07 Feb 2024 15:13

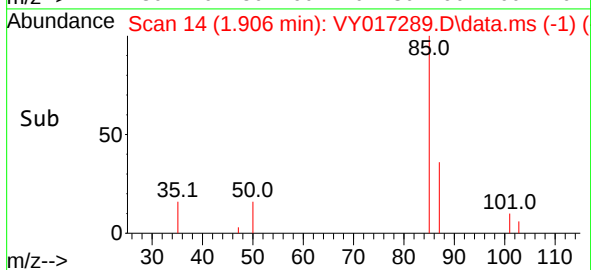
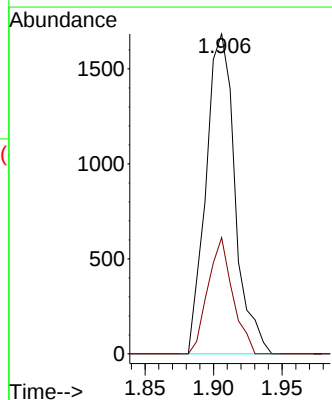
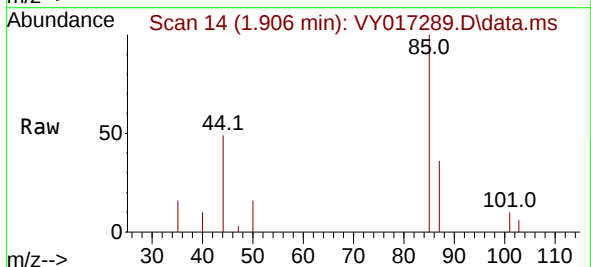
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20240205

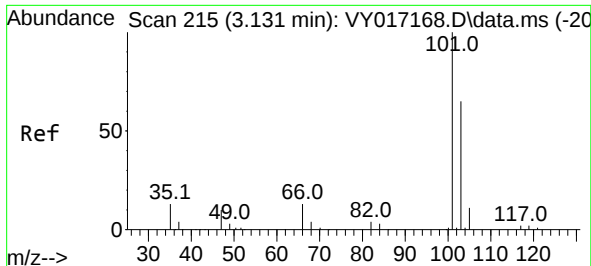
Tgt Ion:168 Resp: 8855
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 36.915 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY017289.D
Acq: 07 Feb 2024 15:13

Tgt Ion: 85 Resp: 2478
Ion Ratio Lower Upper
85 100
87 36.3 17.1 51.3

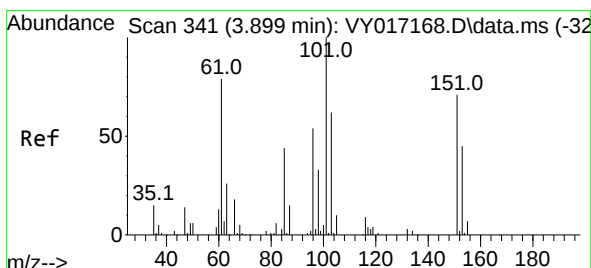
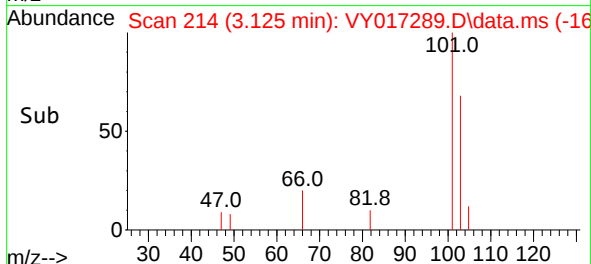
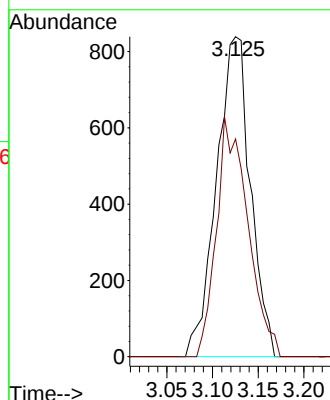
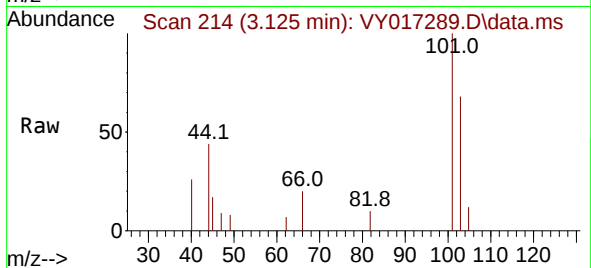




#7
 Trichlorofluoromethane
 Concen: 14.354 ug/l
 RT: 3.125 min Scan# 215
 Delta R.T. -0.006 min
 Lab File: VY017289.D
 Acq: 07 Feb 2024 15:13

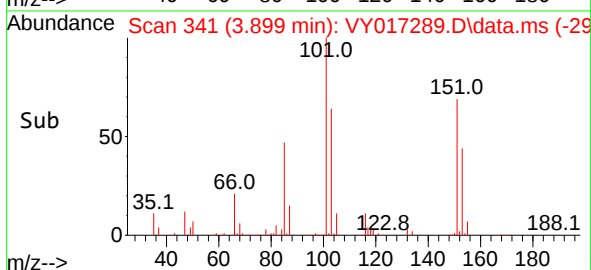
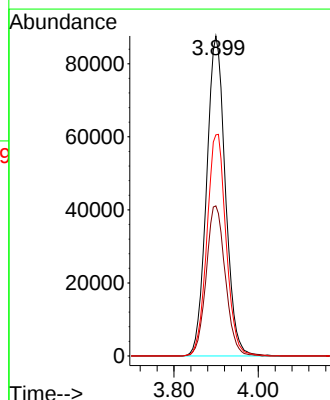
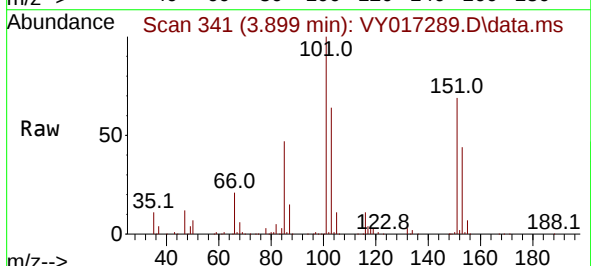
Instrument :
 MSVOA_Y
 ClientSampleId :
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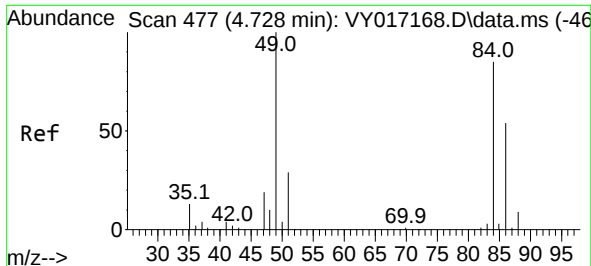
Tgt Ion:101 Resp: 2169
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.9 77.9



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2961.093 ug/l
 RT: 3.899 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VY017289.D
 Acq: 07 Feb 2024 15:13

Tgt Ion:101 Resp: 271244
 Ion Ratio Lower Upper
 101 100
 85 47.7 35.8 53.6
 151 70.4 58.6 88.0





#20

Methylene Chloride

Concen: 15.577 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.018 min

Lab File: VY017289.D

Acq: 07 Feb 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

RE137-CARBON-20240205

Tgt Ion: 84 Resp: 1713

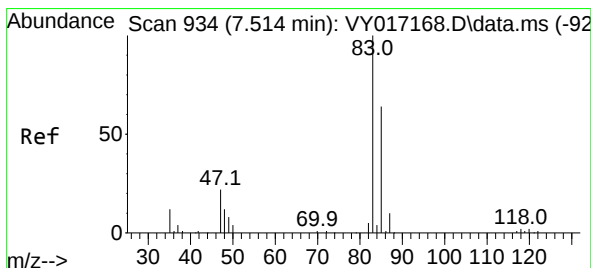
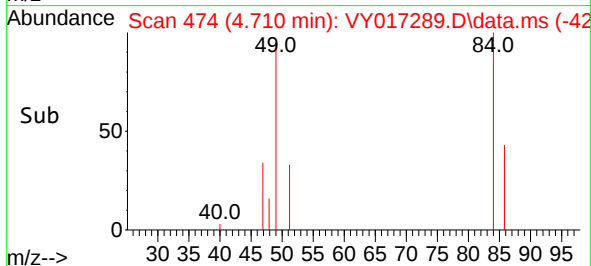
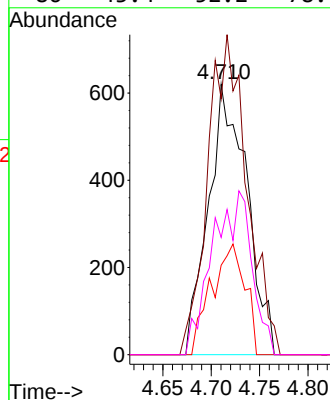
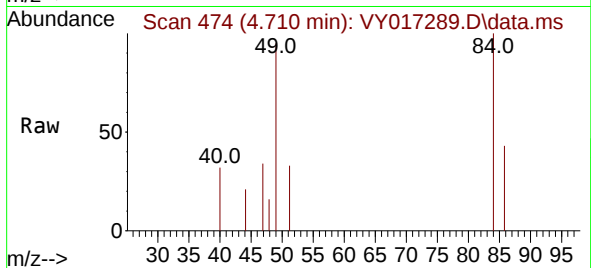
Ion Ratio Lower Upper

84 100

49 94.7 95.2 142.8#

51 33.1 29.9 44.9

86 43.4 52.2 78.4#



#30

Chloroform

Concen: 50.619 ug/l

RT: 7.515 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY017289.D

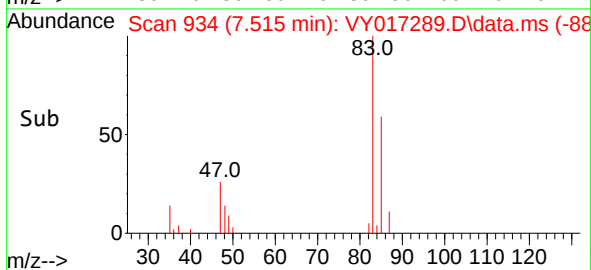
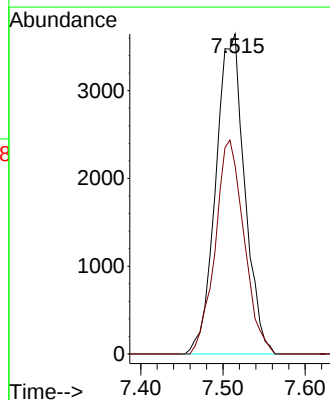
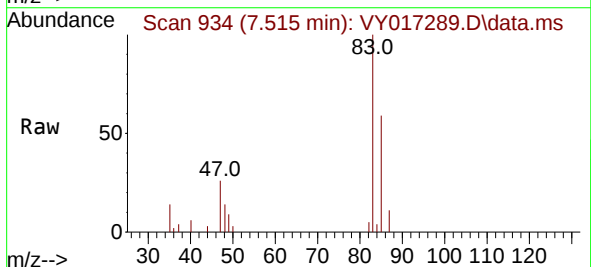
Acq: 07 Feb 2024 15:13

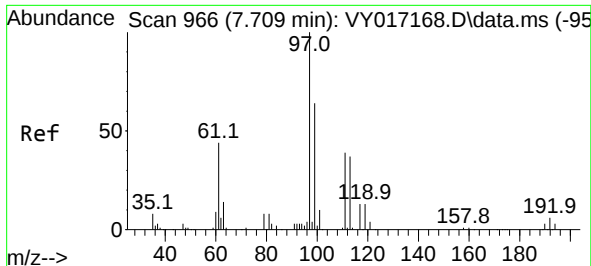
Tgt Ion: 83 Resp: 8889

Ion Ratio Lower Upper

83 100

85 58.8 51.2 76.8

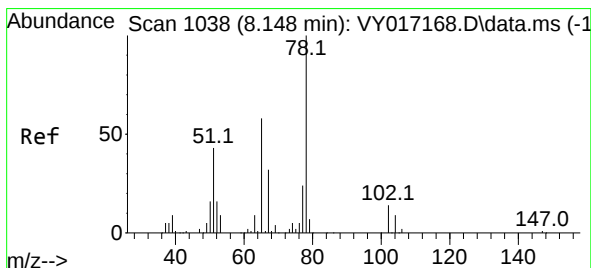
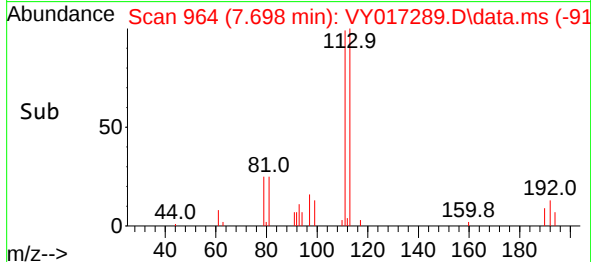
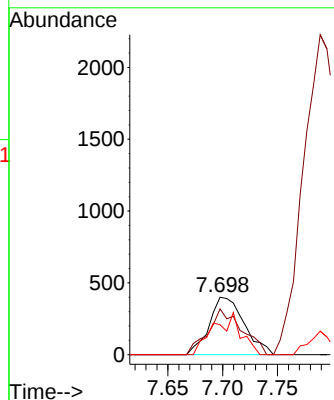
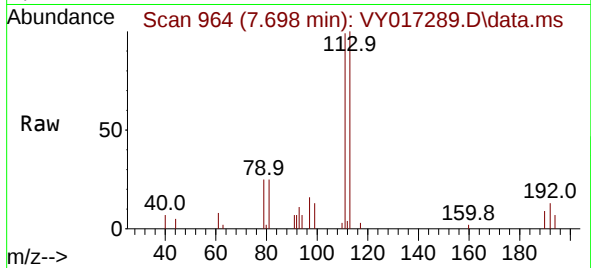




#32
 1,1,1-Trichloroethane
 Concen: 5.872 ug/l
 RT: 7.698 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VY017289.D
 Acq: 07 Feb 2024 15:13

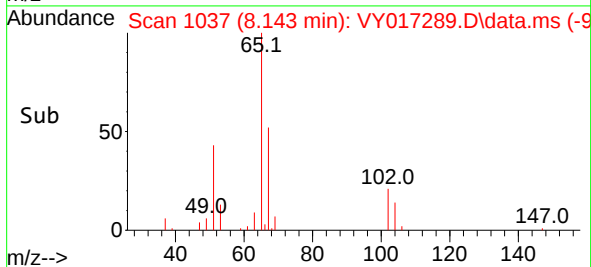
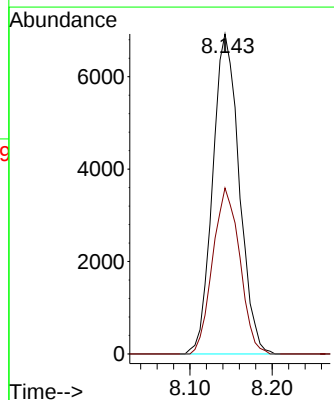
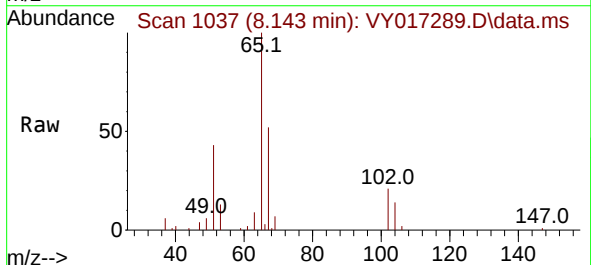
Instrument :
 MSVOA_Y
 ClientSampleId :
 RE137-CARBON-20240205

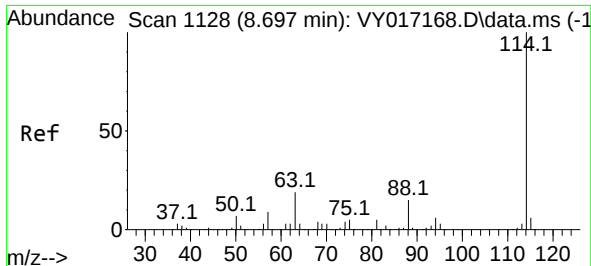
Tgt Ion: 97 Resp: 887
 Ion Ratio Lower Upper
 97 100
 99 77.5 51.2 76.8#
 61 33.3 35.0 52.6#



#33
 1,2-Dichloroethane-d4
 Concen: 196.574 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.006 min
 Lab File: VY017289.D
 Acq: 07 Feb 2024 15:13

Tgt Ion: 65 Resp: 15550
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017289.D

Acq: 07 Feb 2024 15:13

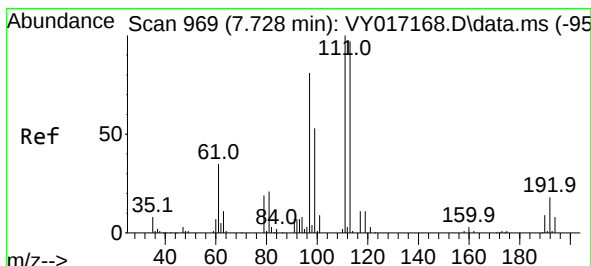
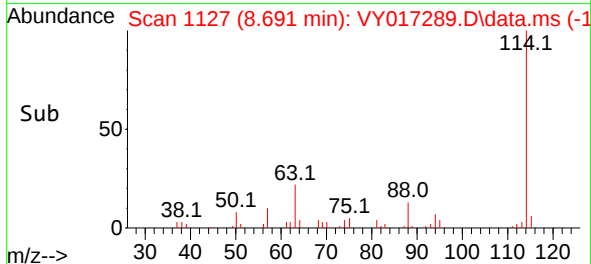
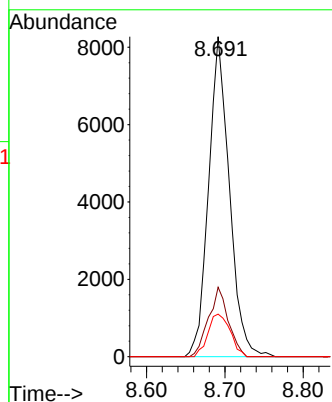
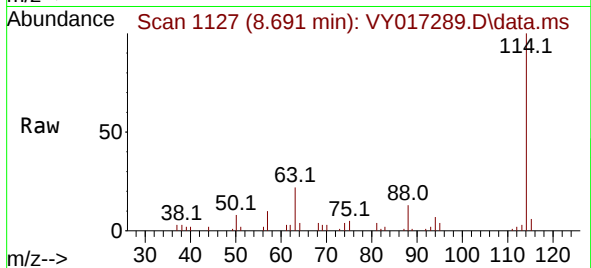
Instrument :

MSVOA_Y

ClientSampleId :

RE137-CARBON-20240205

Tgt Ion:114	Resp:	15244
Ion	Ratio	Lower Upper
114	100	
63	21.7	0.0 37.4
88	13.3	0.0 29.0



#35

Dibromofluoromethane

Concen: 186.276 ug/l

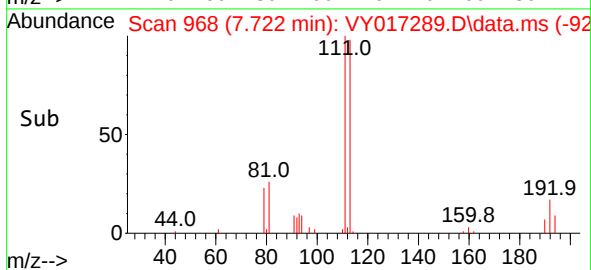
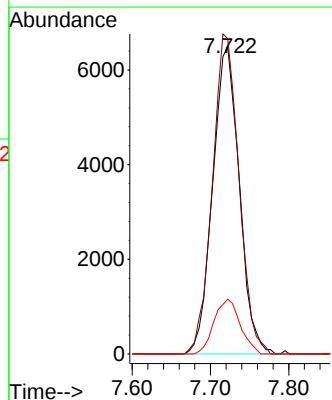
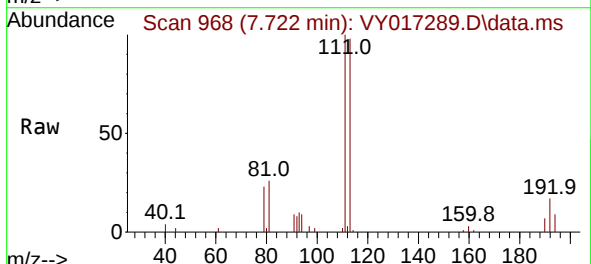
RT: 7.722 min Scan# 968

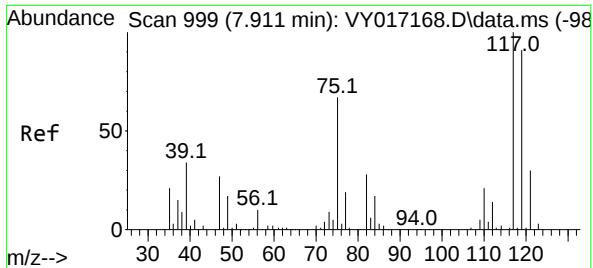
Delta R.T. -0.006 min

Lab File: VY017289.D

Acq: 07 Feb 2024 15:13

Tgt Ion:113	Resp:	15332
Ion	Ratio	Lower Upper
113	100	
111	103.6	83.8 125.6
192	17.5	14.5 21.7

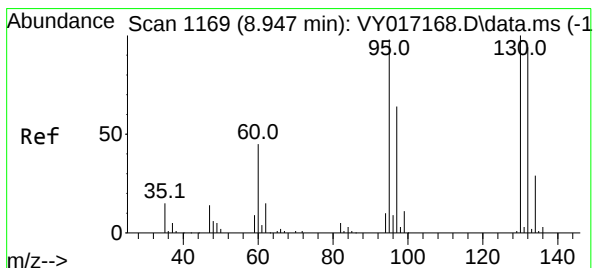
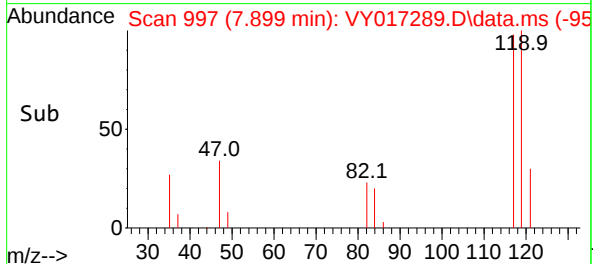
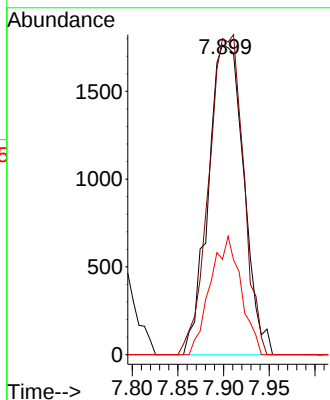
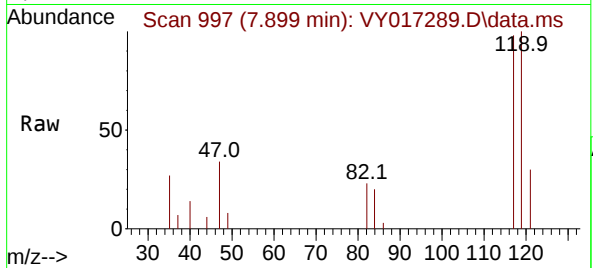




#38
Carbon Tetrachloride
Concen: 35.105 ug/l
RT: 7.899 min Scan# 999
Delta R.T. -0.012 min
Lab File: VY017289.D
Acq: 07 Feb 2024 15:13

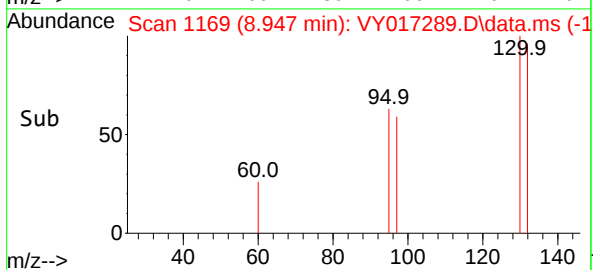
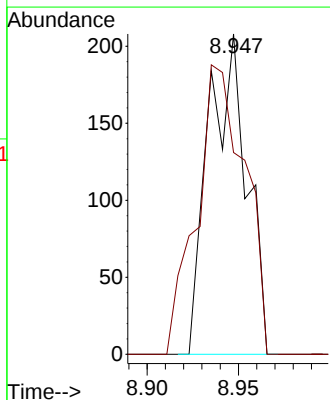
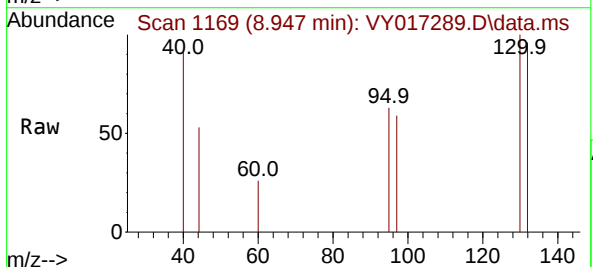
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20240205

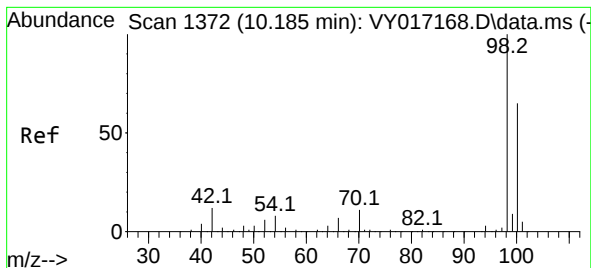
Tgt Ion:117	Resp:	4772
Ion	Ratio	Lower Upper
117	100	
119	102.0	76.0 114.0
121	30.8	24.2 36.2



#44
Trichloroethene
Concen: 2.944 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VY017289.D
Acq: 07 Feb 2024 15:13

Tgt Ion:130	Resp:	303
Ion	Ratio	Lower Upper
130	100	
95	63.0	0.0 203.8





#50

Toluene-d8

Concen: 42.319 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017289.D

Acq: 07 Feb 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

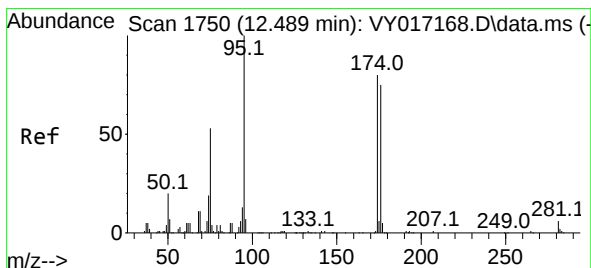
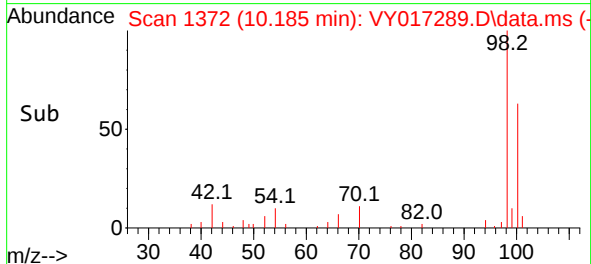
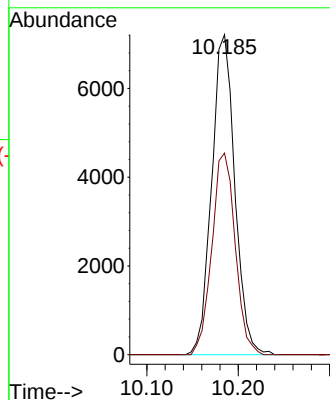
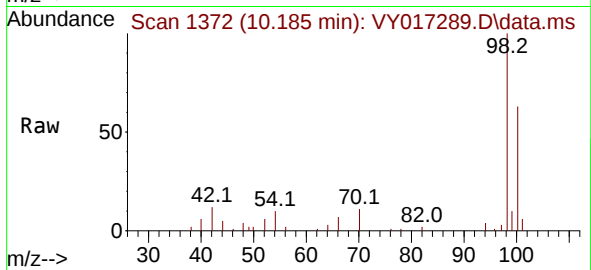
RE137-CARBON-20240205

Tgt Ion: 98 Resp: 12682

Ion Ratio Lower Upper

98 100

100 63.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 10.553 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY017289.D

Acq: 07 Feb 2024 15:13

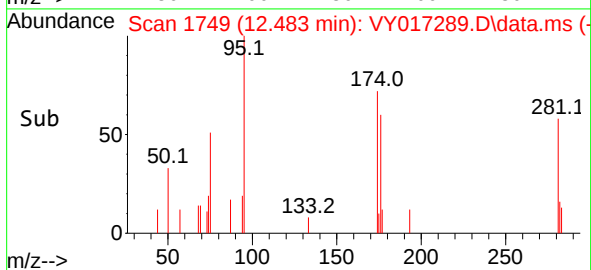
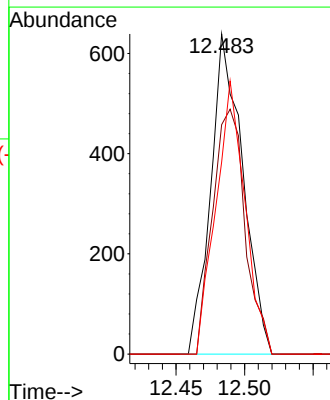
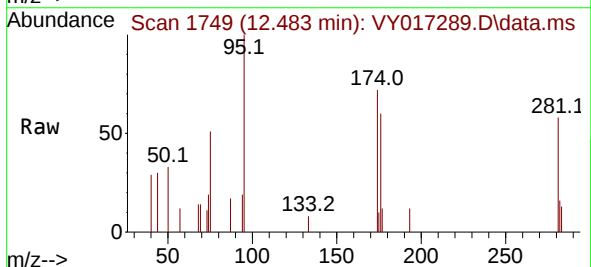
Tgt Ion: 95 Resp: 1036

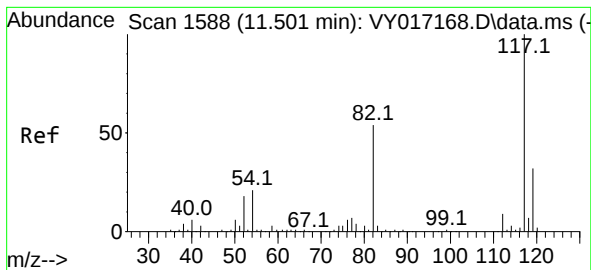
Ion Ratio Lower Upper

95 100

174 78.2 0.0 160.0

176 77.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017289.D

Acq: 07 Feb 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

RE137-CARBON-20240205

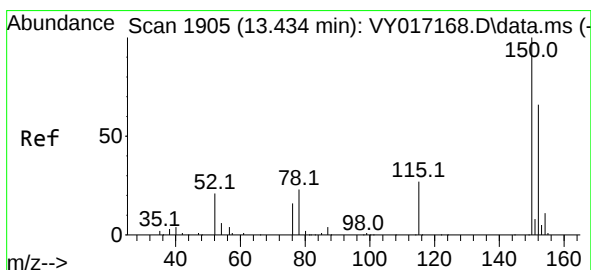
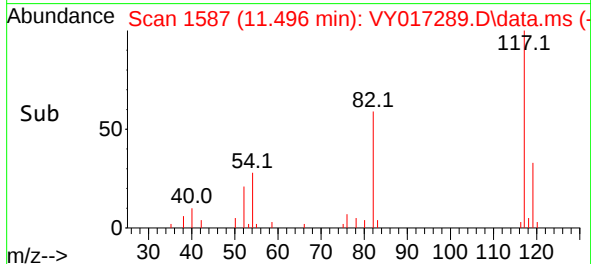
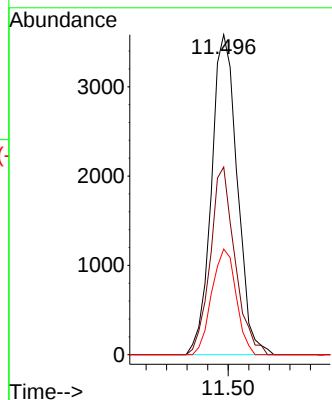
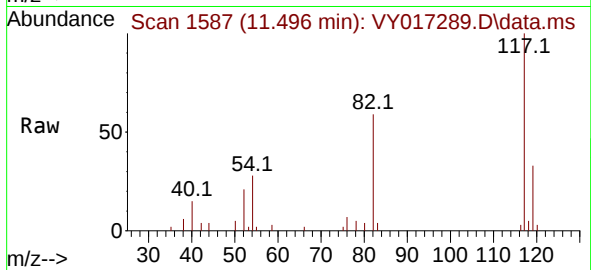
Tgt Ion:117 Resp: 6247

Ion Ratio Lower Upper

117 100

82 58.6 43.8 65.8

119 33.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017289.D

Acq: 07 Feb 2024 15:13

Tgt Ion:152 Resp: 984

Ion Ratio Lower Upper

152 100

115 53.5 30.0 90.0

150 155.5 0.0 344.6

