

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082222\
 Data File : VY010154.D
 Acq On : 22 Aug 2022 19:19
 Operator : KP/MD
 Sample : N4167-01RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RE137-CARBON-20220810

Quant Time: Aug 23 00:17:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

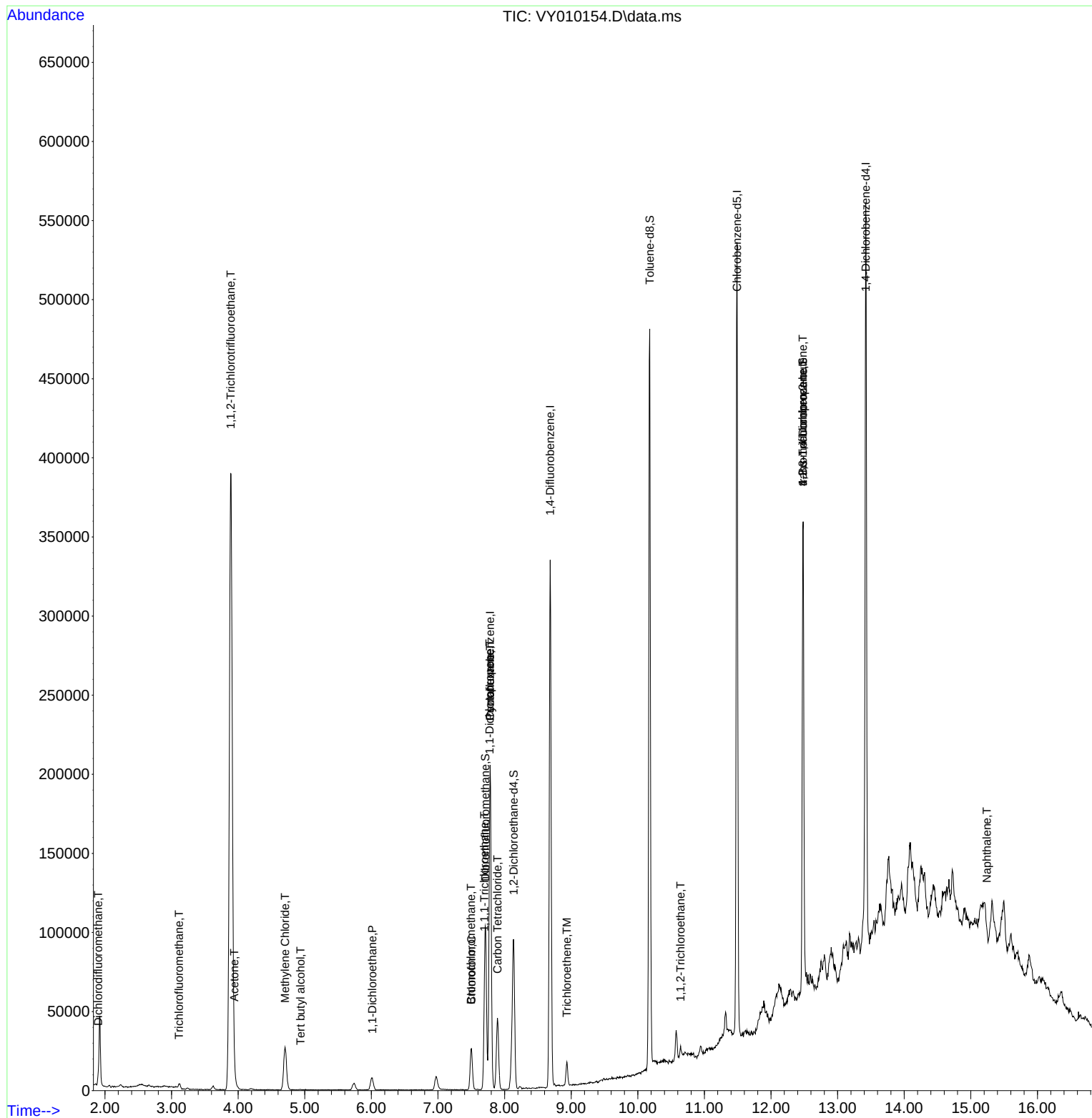
Internal Standards						
1) Pentafluorobenzene	7.783	168	165531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	291024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	275953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	66228	48.846	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.700%		
35) Dibromofluoromethane	7.710	113	73626	44.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.800%		
50) Toluene-d8	10.179	98	314426	51.170	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.340%		
62) 4-Bromofluorobenzene	12.477	95	94487	43.037	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	6394	5.183	ug/l	95
7) Trichlorofluoromethane	3.113	101	3564	1.391	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	264357	166.183	ug/l	99
11) Tert butyl alcohol	4.936	59	279	12.356	ug/l #	73
16) Acetone	3.942	43	1766	5.204	ug/l	97
20) Methylene Chloride	4.704	84	21050	3.392	ug/l	95
24) 1,1-Dichloroethane	6.015	63	12057	4.220	ug/l	95
28) Bromochloromethane	7.496	49	2029	2.090	ug/l #	8
30) Chloroform	7.502	83	25781	8.630	ug/l	99
31) Cyclohexane	7.783	56	3014	1.085	ug/l #	1
32) 1,1,1-Trichloroethane	7.697	97	4556	1.749	ug/l	95
36) 1,1-Dichloropropene	7.777	75	11470	4.382	ug/l #	49
38) Carbon Tetrachloride	7.892	117	33508	12.206	ug/l	97
44) Trichloroethene	8.935	130	5312	2.407	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	2680	1.717	ug/l	91
76) 1,2,3-Trichloropropane	12.477	75	45293	39.541	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45293	79.418	ug/l #	18
95) Naphthalene	15.239	128	634	4.013	ug/l #	74

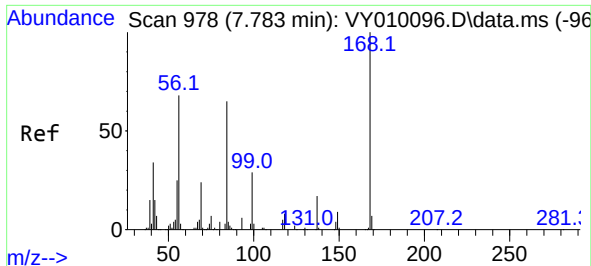
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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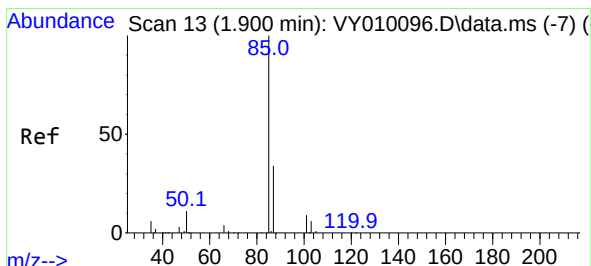
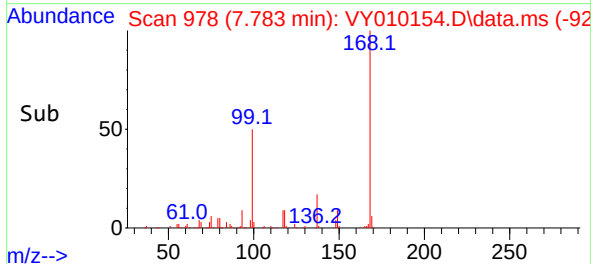
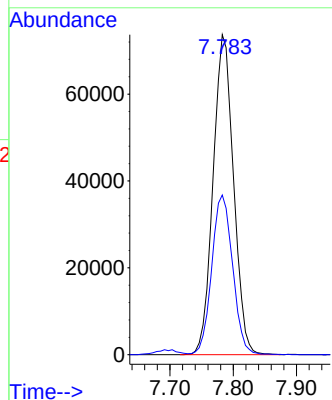
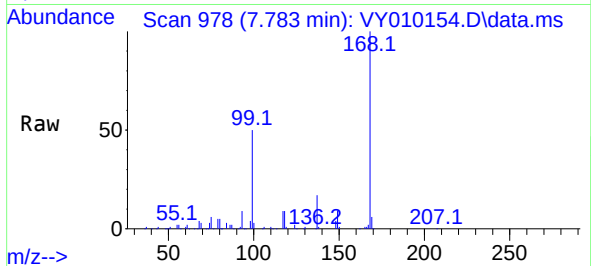




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

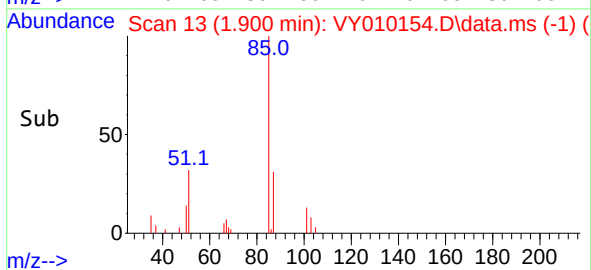
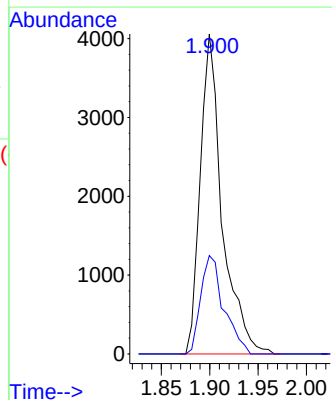
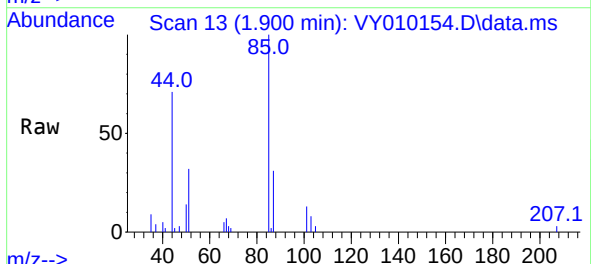
Instrument :
MSVOA_Y
ClientSampleId :
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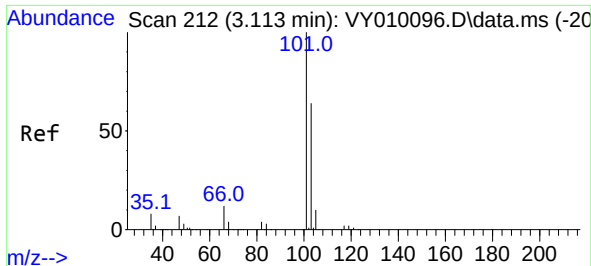
Tgt Ion:168 Resp: 165531
Ion Ratio Lower Upper
168 100
99 49.8 40.7 61.1



#2
Dichlorodifluoromethane
Concen: 5.183 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion: 85 Resp: 6394
Ion Ratio Lower Upper
85 100
87 30.8 16.8 50.4

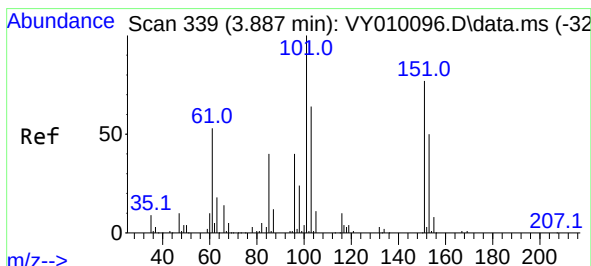
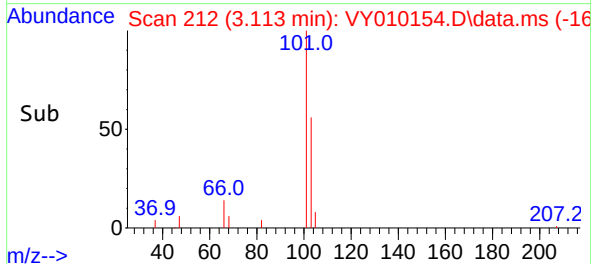
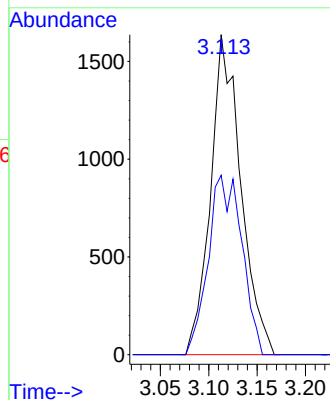
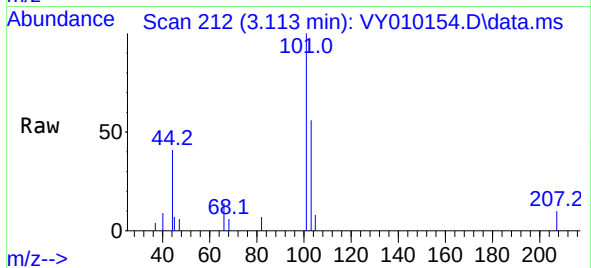




#7
Trichlorofluoromethane
Concen: 1.391 ug/l
RT: 3.113 min Scan# 212
Delta R.T. -0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

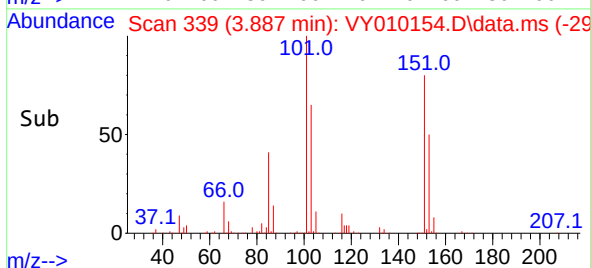
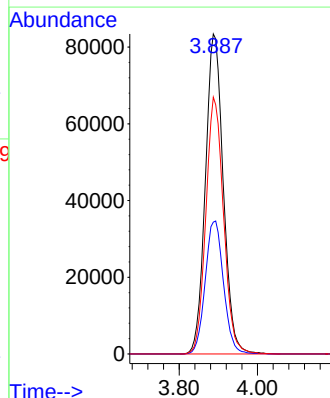
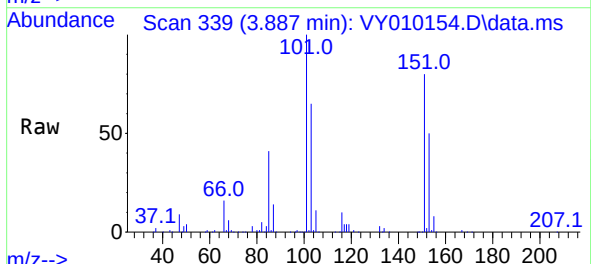
Instrument :
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ClientSampleId :
RE137-CARBON-20220810

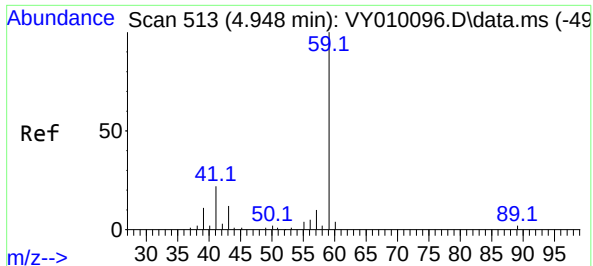
Tgt Ion:101 Resp: 3564
Ion Ratio Lower Upper
101 100
103 56.1 51.1 76.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 166.183 ug/l
RT: 3.887 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion:101 Resp: 264357
Ion Ratio Lower Upper
101 100
85 42.5 33.4 50.2
151 79.4 63.8 95.8

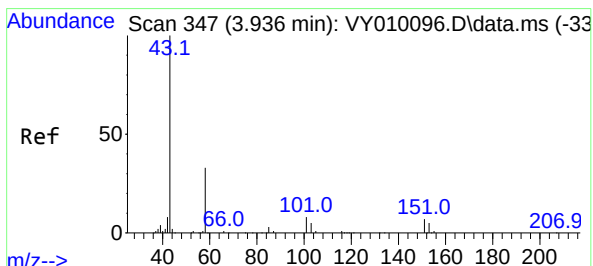
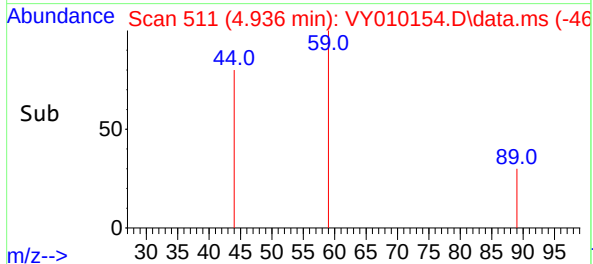
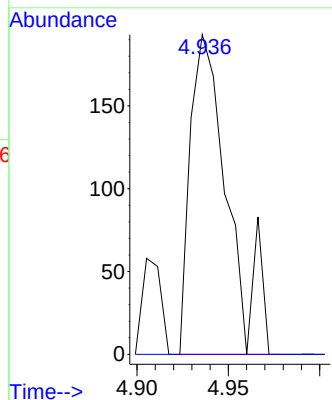
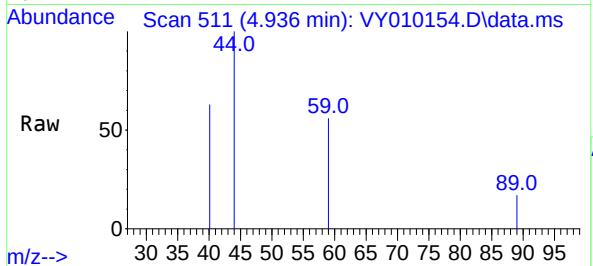




#11
Tert butyl alcohol
Concen: 12.356 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

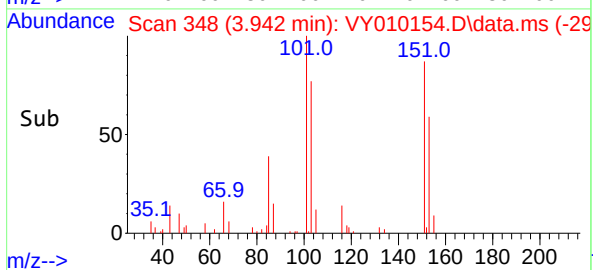
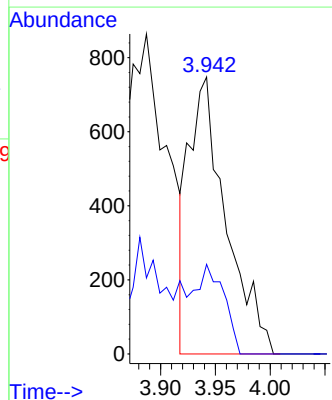
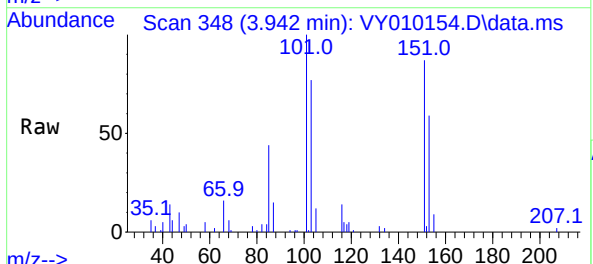
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20220810

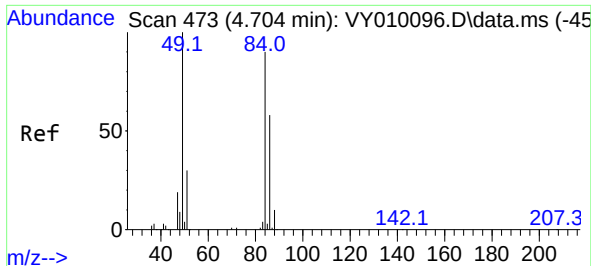
Tgt Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 5.204 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
58 32.4 27.4 41.0

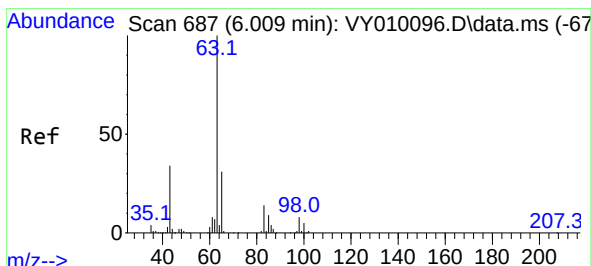
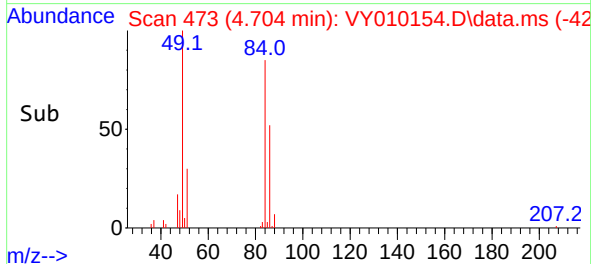
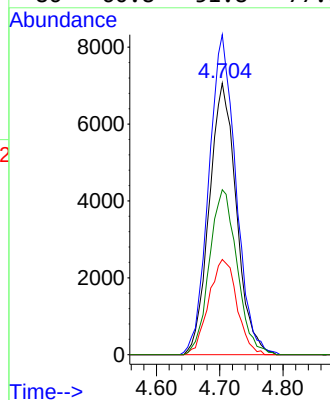
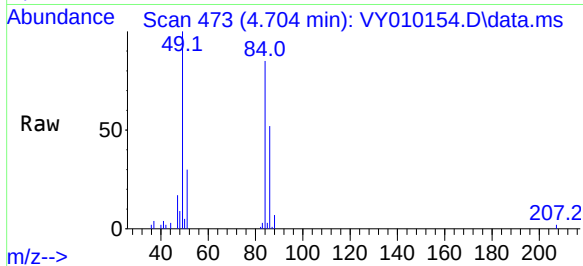




#20
Methylene Chloride
Concen: 3.392 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

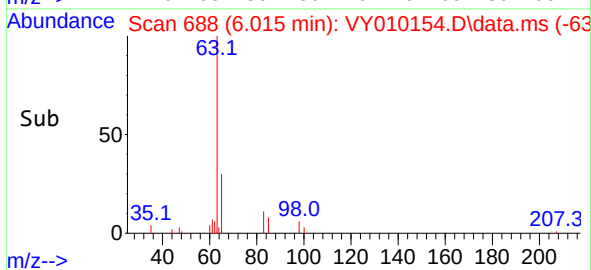
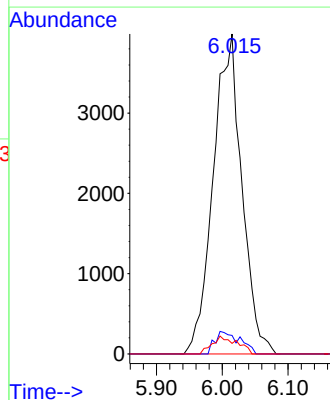
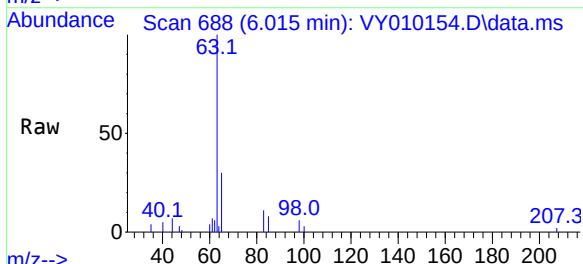
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20220810

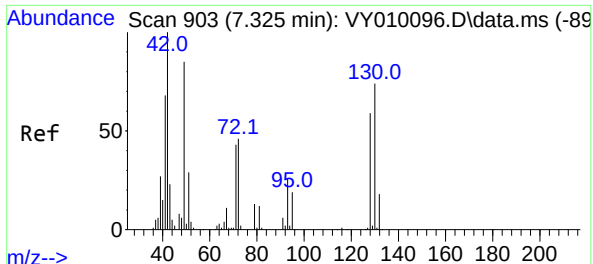
Tgt Ion:	84	Resp:	21050
Ion	Ratio	Lower	Upper
84	100		
49	117.9	89.0	133.4
51	35.1	27.0	40.6
86	60.8	51.8	77.6



#24
1,1-Dichloroethane
Concen: 4.220 ug/l
RT: 6.015 min Scan# 688
Delta R.T. 0.006 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion:	63	Resp:	12057
Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.9	11.7
100	3.3	2.5	7.4





#28

Bromochloromethane

Concen: 2.090 ug/l

RT: 7.496 min Scan# 91

Delta R.T. 0.171 min

Lab File: VY010154.D

Acq: 22 Aug 2022 19:19

Instrument :

MSVOA_Y

ClientSampleId :

RE137-CARBON-20220810

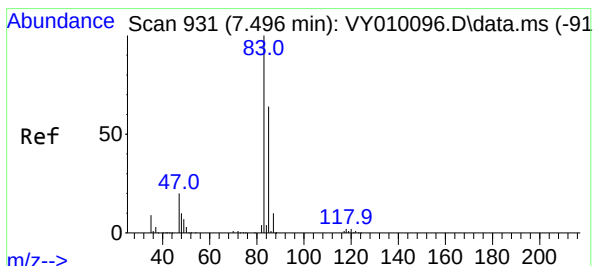
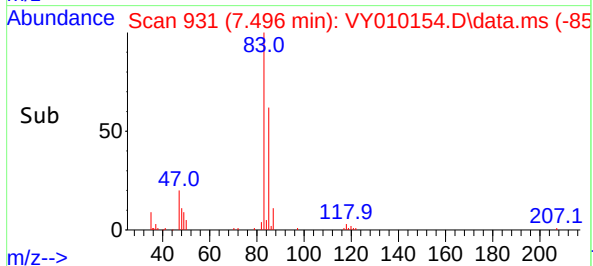
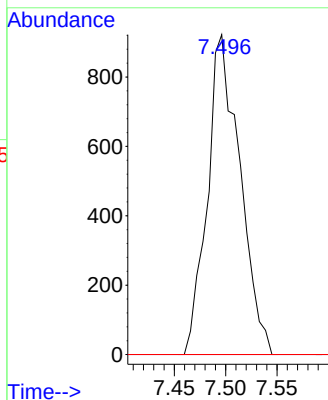
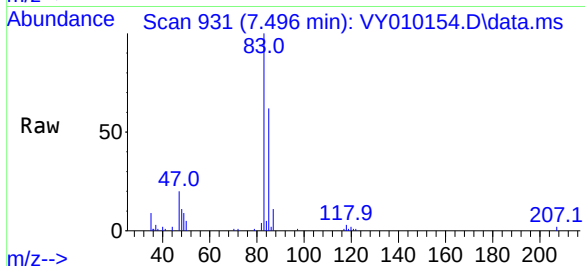
Tgt Ion: 49 Resp: 2029

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 0.0 70.4 105.6#



#30

Chloroform

Concen: 8.630 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.006 min

Lab File: VY010154.D

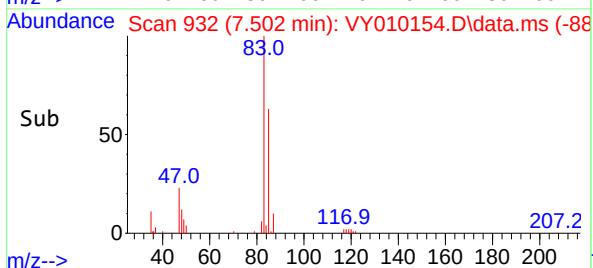
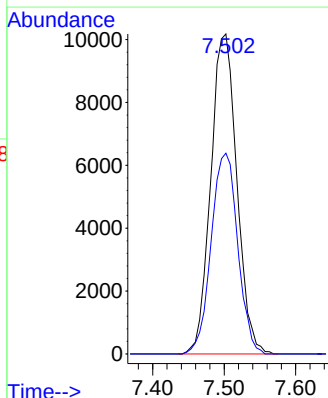
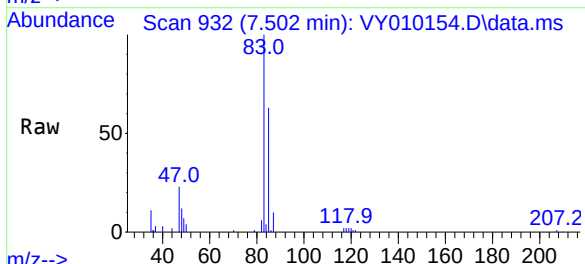
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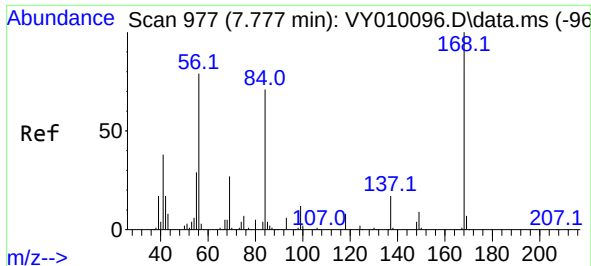
Tgt Ion: 83 Resp: 25781

Ion Ratio Lower Upper

83 100

85 62.7 50.8 76.2

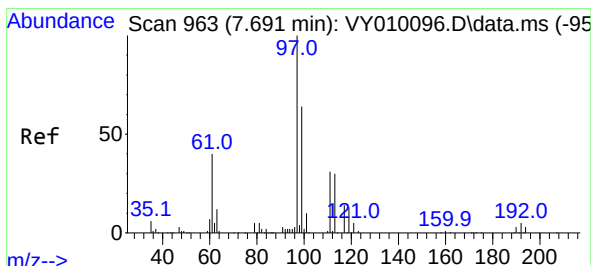
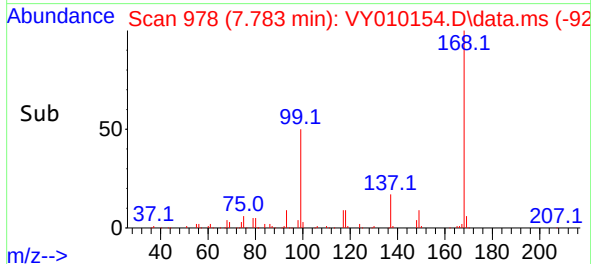
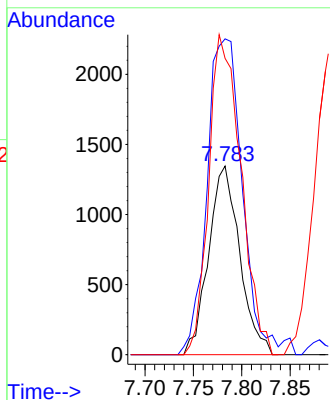
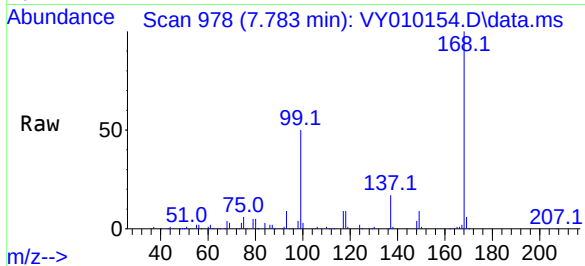




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

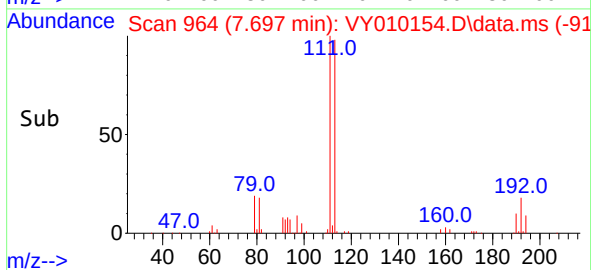
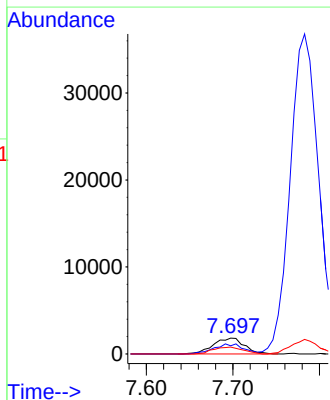
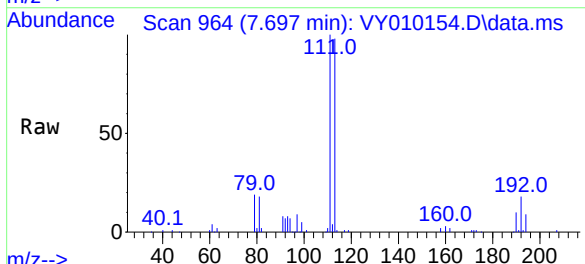
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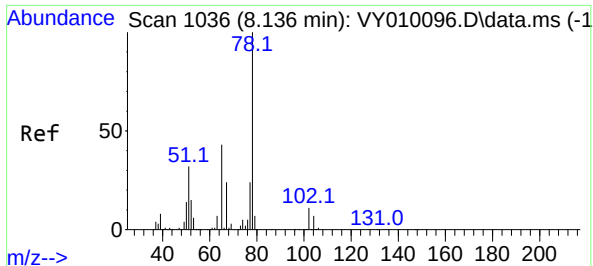
Tgt Ion: 56 Resp: 3014
Ion Ratio Lower Upper
56 100
69 167.4 27.3 40.9#
84 157.1 72.6 109.0#



#32
1,1,1-Trichloroethane
Concen: 1.749 ug/l
RT: 7.697 min Scan# 964
Delta R.T. 0.006 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion: 97 Resp: 4556
Ion Ratio Lower Upper
97 100
99 60.2 51.7 77.5
61 41.7 31.8 47.8





#33

1,2-Dichloroethane-d4

Concen: 48.846 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010154.D

Acq: 22 Aug 2022 19:19

Instrument :

MSVOA_Y

ClientSampleId :

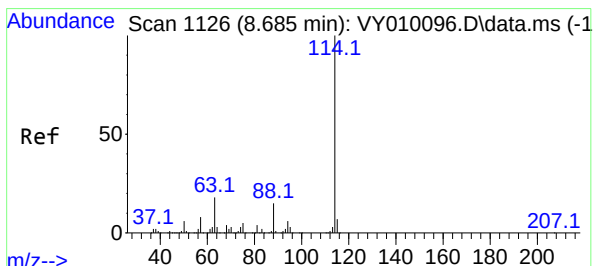
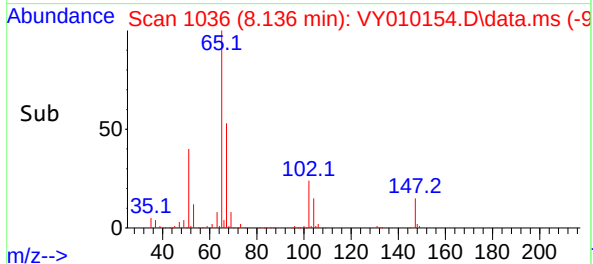
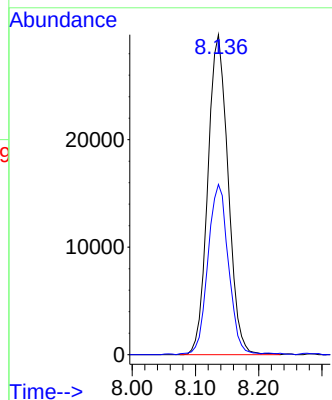
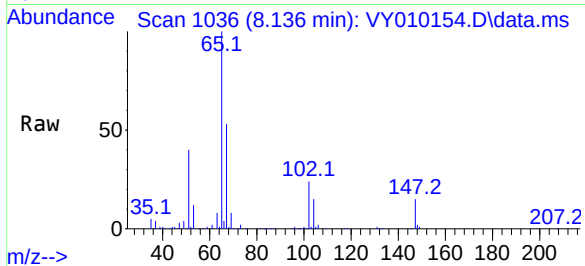
RE137-CARBON-20220810

Tgt Ion: 65 Resp: 66228

Ion Ratio Lower Upper

65 100

67 53.9 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010154.D

Acq: 22 Aug 2022 19:19

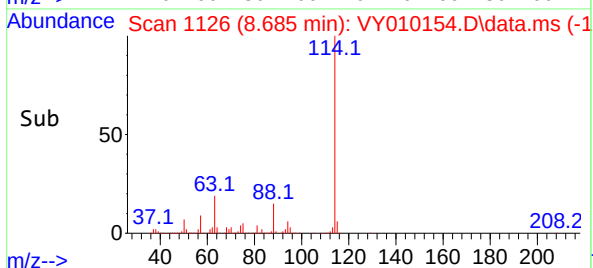
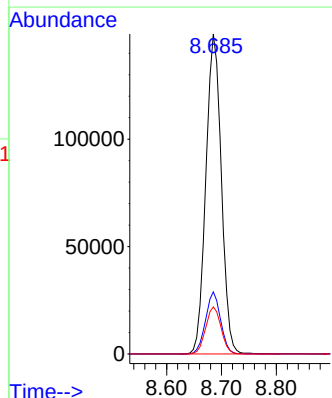
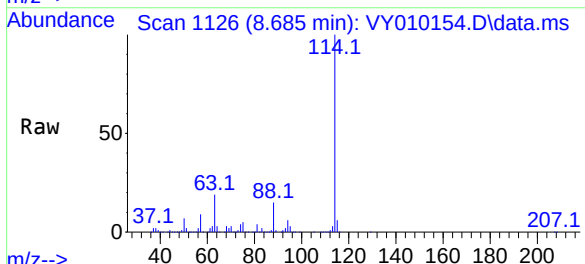
Tgt Ion: 114 Resp: 291024

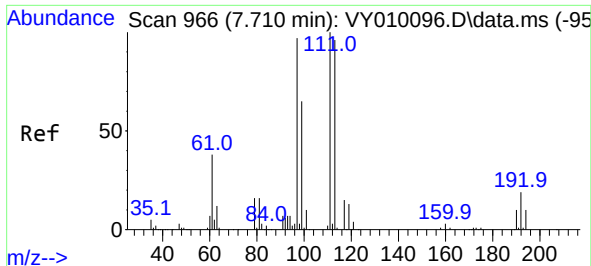
Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.6

88 14.7 0.0 29.6

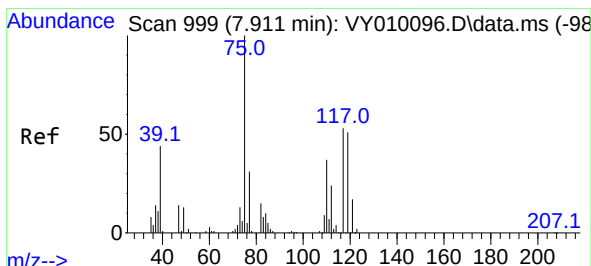
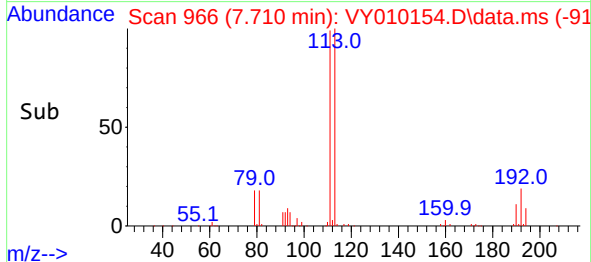
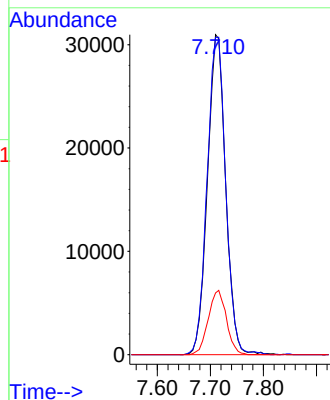
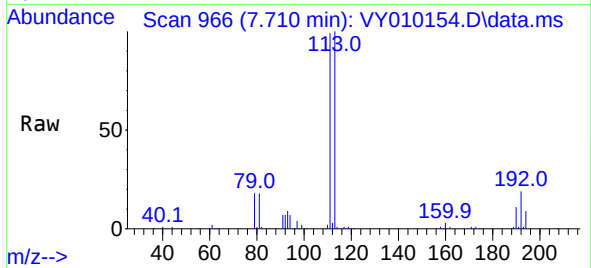




#35
Dibromofluoromethane
Concen: 44.898 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

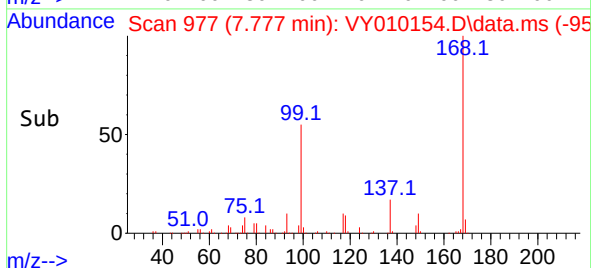
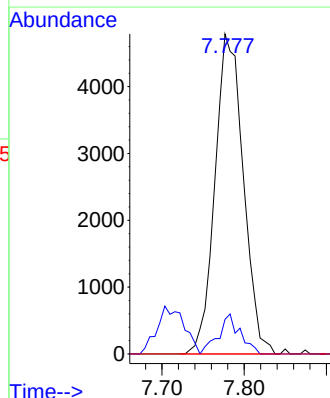
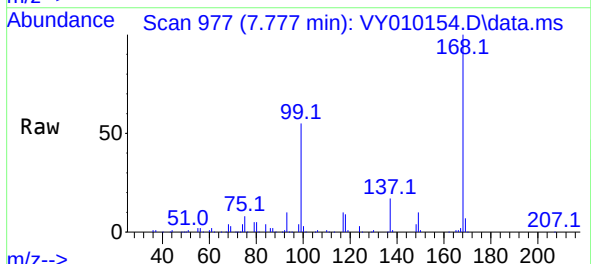
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20220810

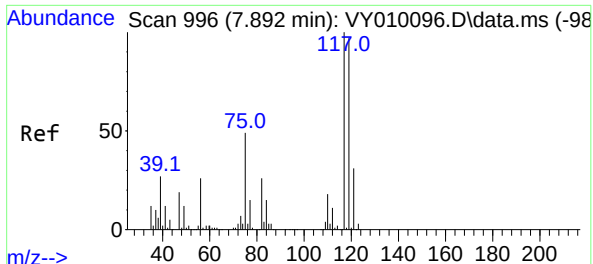
Tgt Ion:	113	Resp:	73626
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.8	124.2
192	20.1	16.3	24.5



#36
1,1-Dichloropropene
Concen: 4.382 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion:	75	Resp:	11470
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.6	56.0#
77	0.0	24.9	37.3#

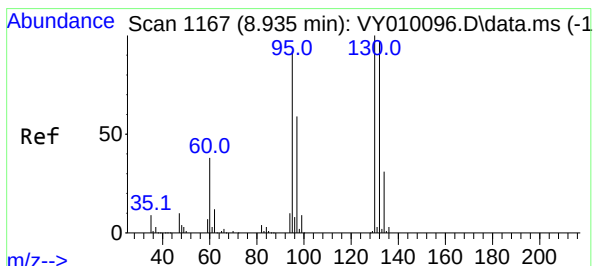
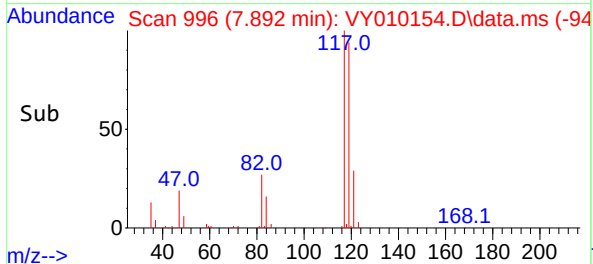
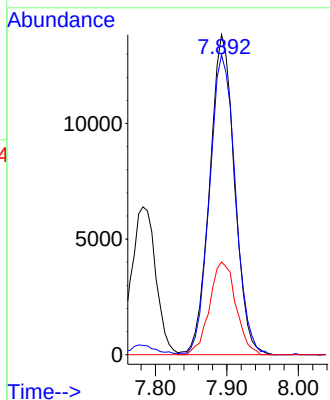
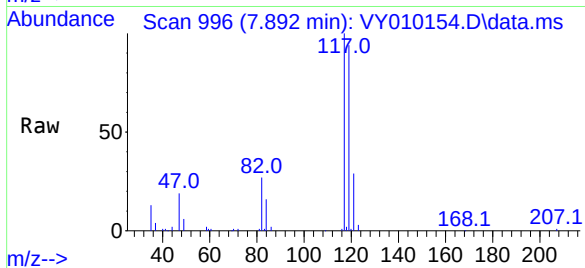




#38
Carbon Tetrachloride
Concen: 12.206 ug/l
RT: 7.892 min Scan# 996
Delta R.T. 0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

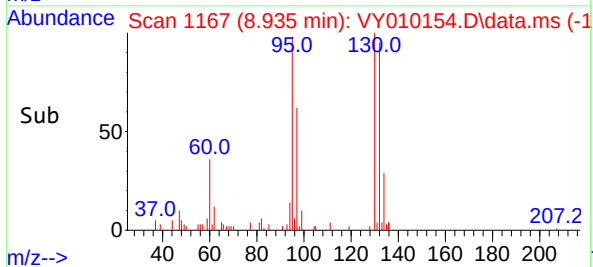
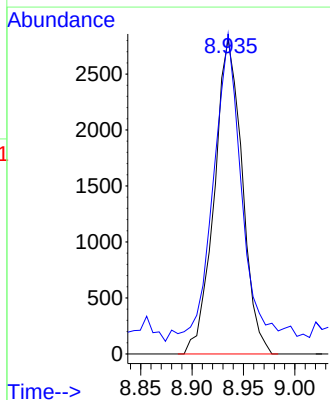
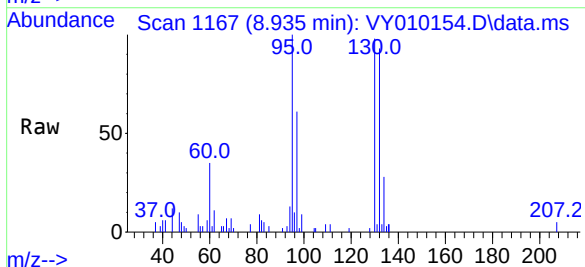
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20220810

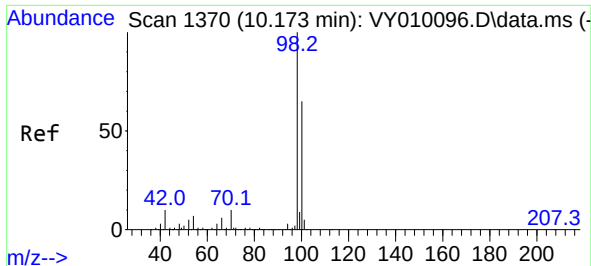
Tgt Ion:117 Resp: 33508
Ion Ratio Lower Upper
117 100
119 93.6 77.1 115.7
121 29.0 24.7 37.1



#44
Trichloroethene
Concen: 2.407 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion:130 Resp: 5312
Ion Ratio Lower Upper
130 100
95 95.4 0.0 183.8

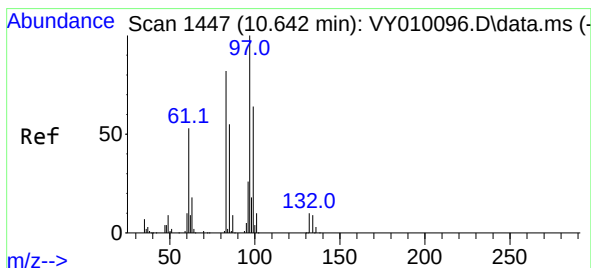
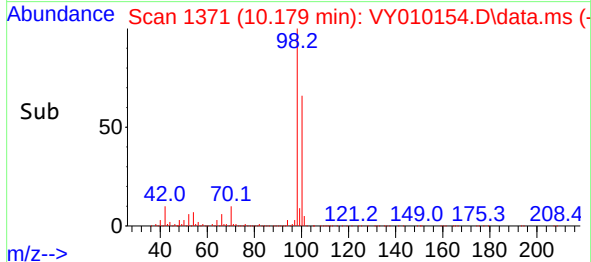
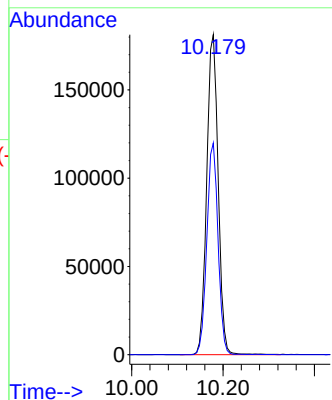
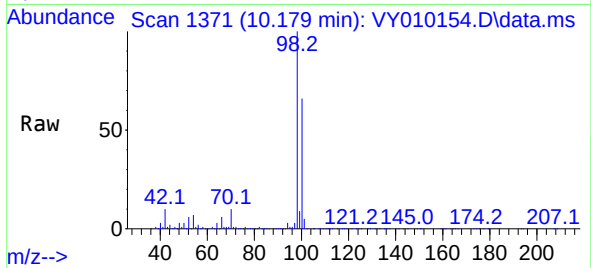




#50
Toluene-d8
Concen: 51.170 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

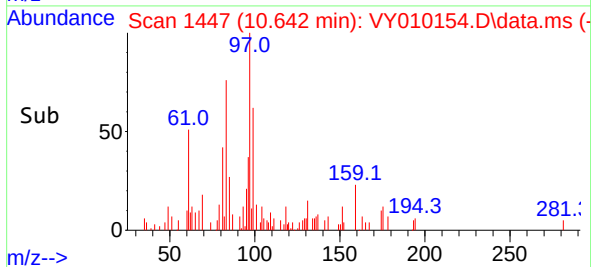
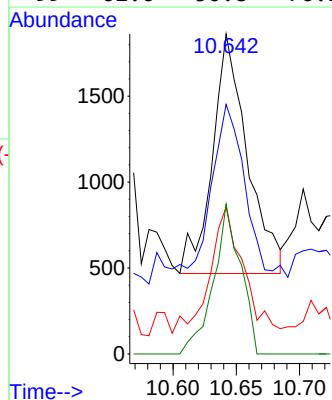
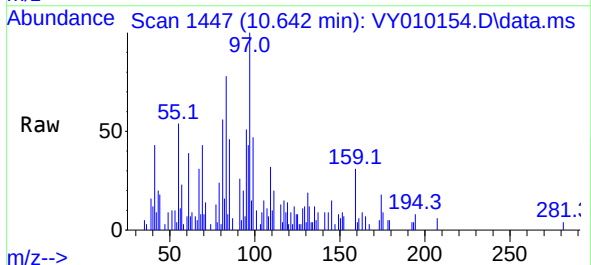
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20220810

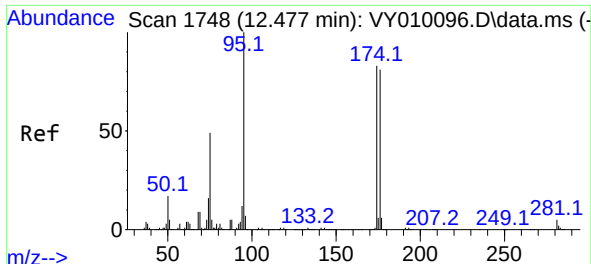
Tgt Ion: 98 Resp: 314426
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 1.717 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion: 97 Resp: 2680
Ion Ratio Lower Upper
97 100
83 67.1 65.4 98.0
85 50.9 44.0 66.0
99 62.6 50.8 76.2

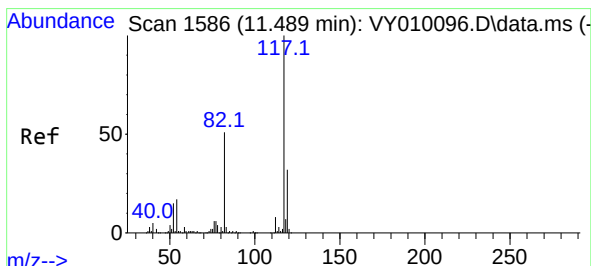
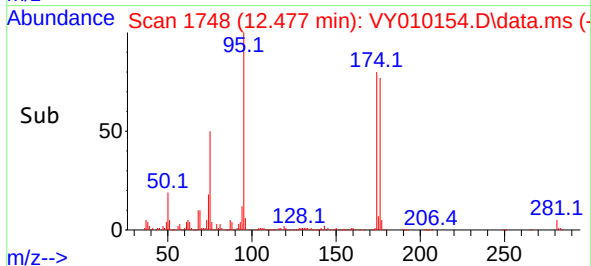
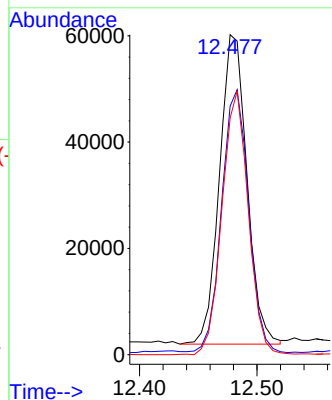
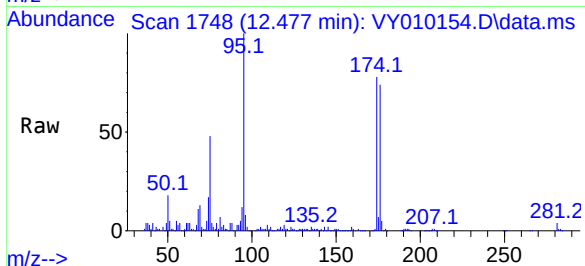




#62
4-Bromofluorobenzene
Concen: 43.037 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

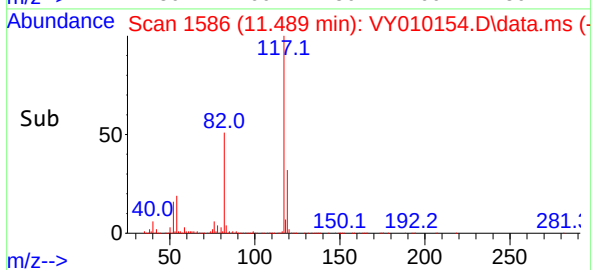
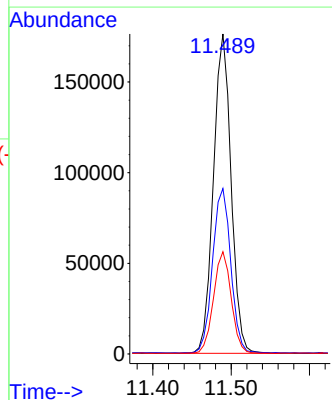
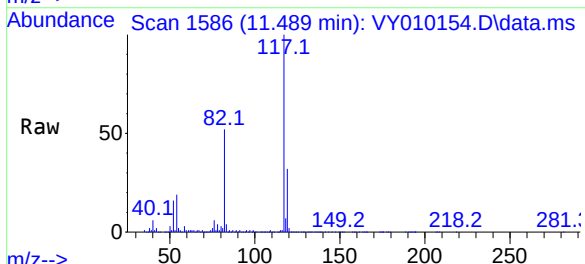
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20220810

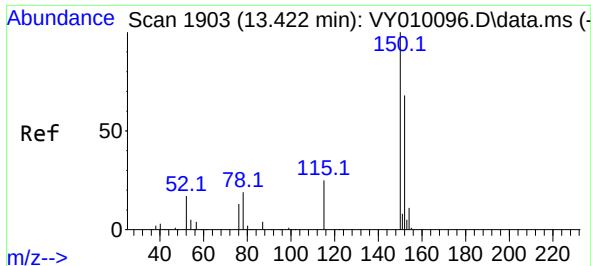
Tgt Ion:	95	Resp:	94487
Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	173.8
176	81.6	0.0	167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion:	117	Resp:	275953
Ion	Ratio	Lower	Upper
117	100		
82	51.5	40.6	61.0
119	31.8	25.8	38.8

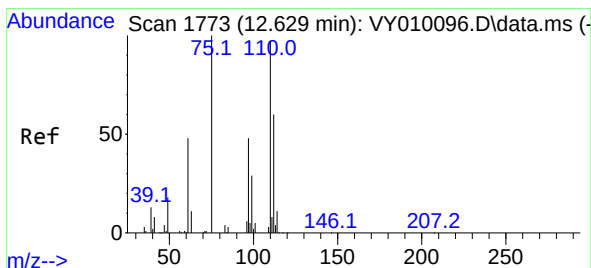
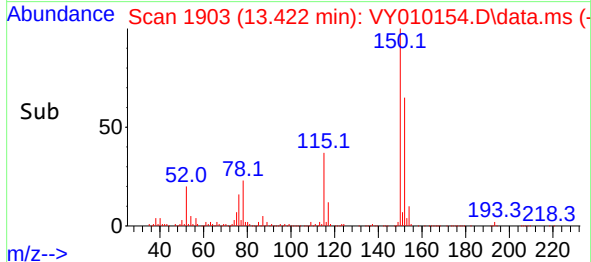
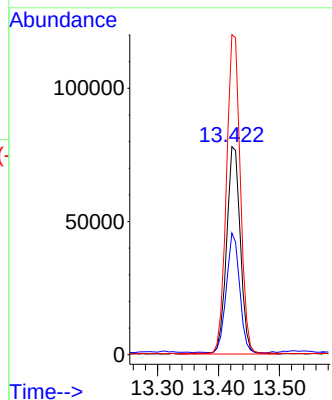
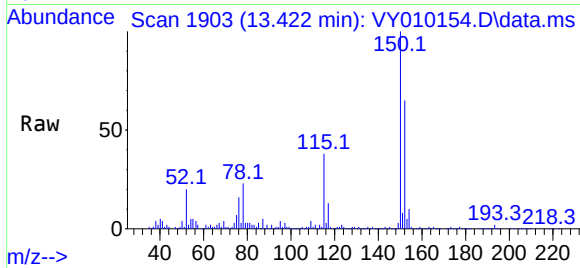




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

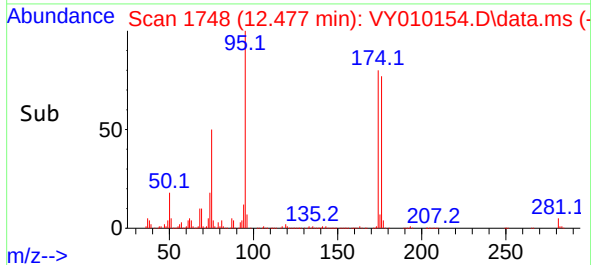
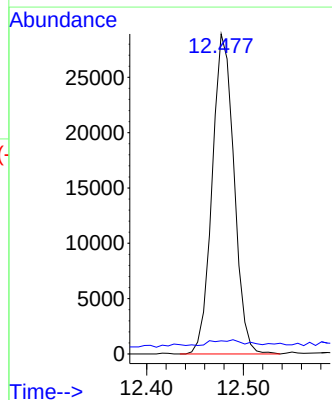
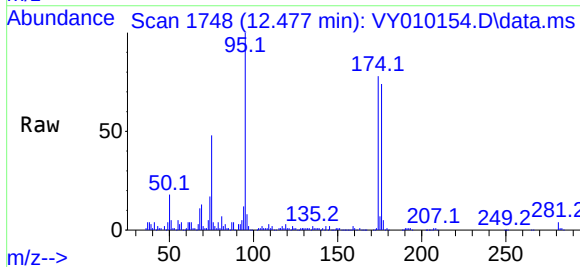
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20220810

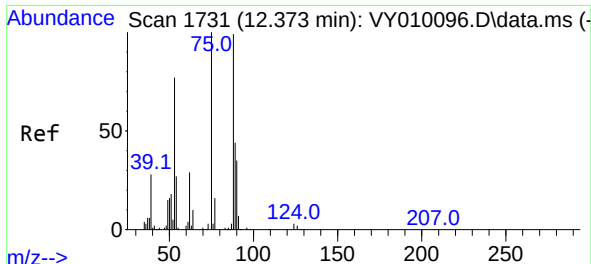
Tgt Ion:152 Resp: 122311
Ion Ratio Lower Upper
152 100
115 55.5 28.1 84.2
150 154.1 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 39.541 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion: 75 Resp: 45293
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#

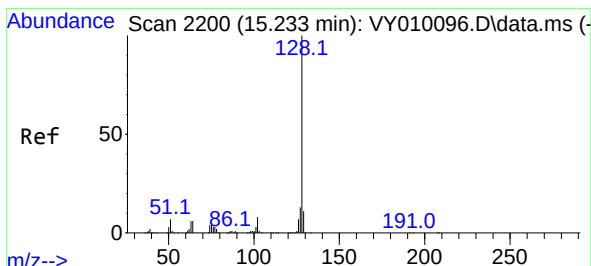
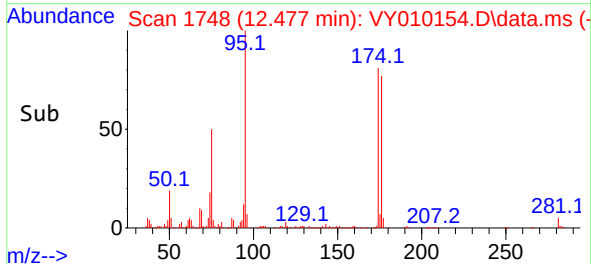
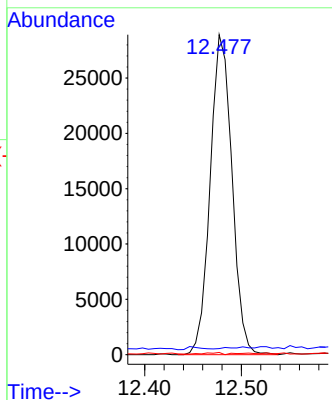
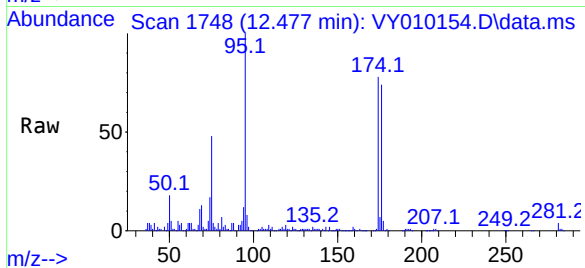




#81
trans-1,4-Dichloro-2-butene
Concen: 79.418 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20220810

Tgt Ion: 75 Resp: 45293
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.6 36.8 55.2#



#95
Naphthalene
Concen: 4.013 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010154.D
Acq: 22 Aug 2022 19:19

Tgt Ion:128 Resp: 634
Ion Ratio Lower Upper
128 100
127 21.6 10.2 15.2#
129 0.0 8.9 13.3#

