

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017301.D
 Acq On : 07 Feb 2024 19:59
 Operator : SY/MD
 Sample : P1379-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RE137-CARBON-20240205RE

Quant Time: Feb 08 01:47:32 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)

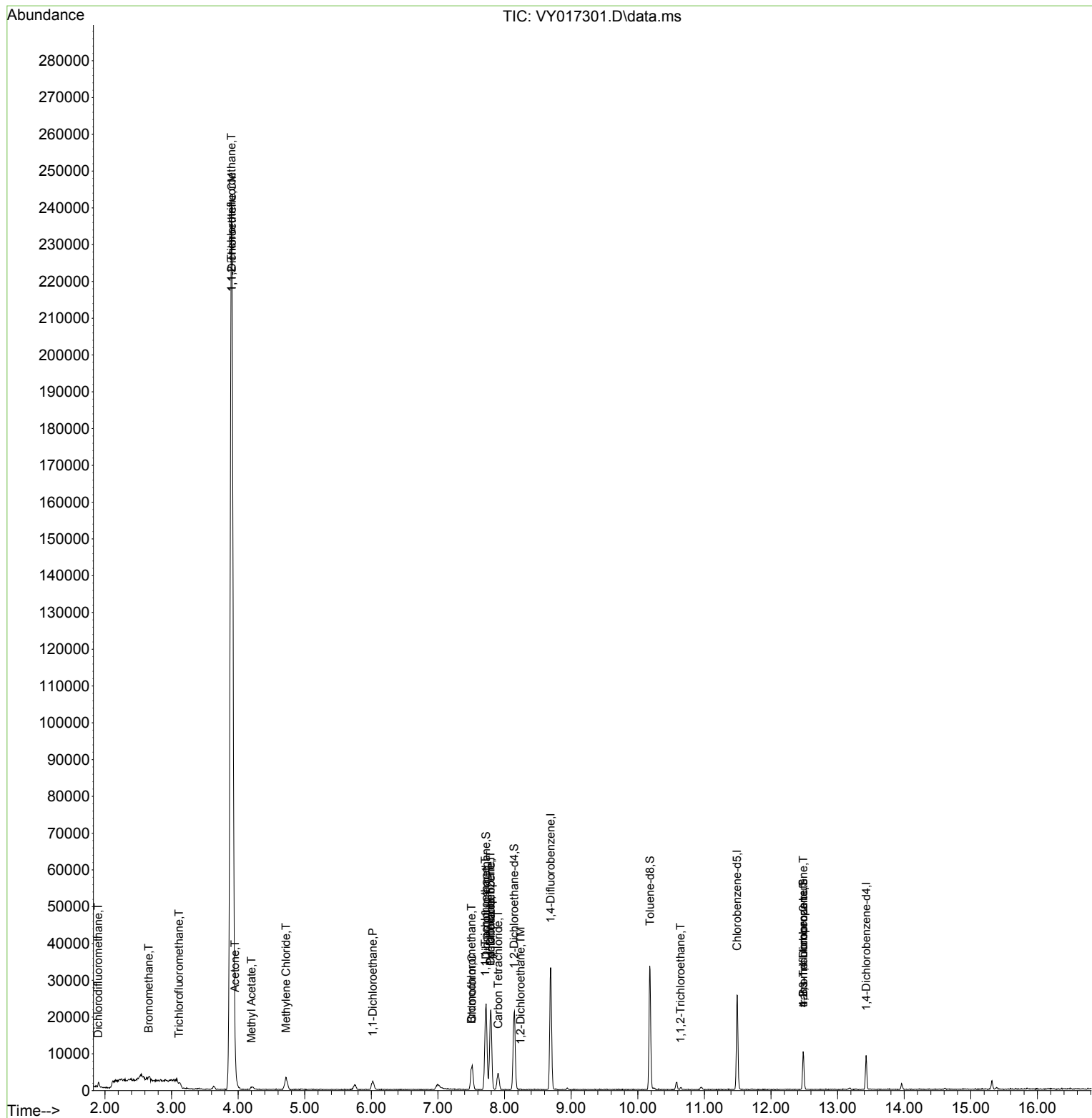
Internal Standards						
1) Pentafluorobenzene	7.789	168	16056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	27144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	14002	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	2405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	16059	111.961	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 223.920%#	
35) Dibromofluoromethane	7.722	113	16095	109.818	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 219.640%#	
50) Toluene-d8	10.185	98	22299	41.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 83.580%	
62) 4-Bromofluorobenzene	12.483	95	2741	15.681	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 31.360%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	1283	10.541	ug/l	89
5) Bromomethane	2.656	94	205	1.110	ug/l	91
7) Trichlorofluoromethane	3.113	101	1619	5.909	ug/l #	71
9) 1,1,2-Trichlorotrifluo...	3.900	101	155361	935.374	ug/l	96
11) Tert butyl alcohol	4.960	59	57	Below Cal	#	75
12) 1,1-Dichloroethene	3.906	96	498	3.200	ug/l #	47
16) Acetone	3.954	43	459	10.888	ug/l	98
18) Methyl Acetate	4.198	43	274	2.913	ug/l #	51
20) Methylene Chloride	4.716	84	2430	11.367	ug/l #	79
24) 1,1-Dichloroethane	6.021	63	3373	10.657	ug/l	95
28) Bromochloromethane	7.503	49	550	4.538	ug/l #	14
30) Chloroform	7.509	83	6478	20.345	ug/l	99
31) Cyclohexane	7.789	56	438	1.515	ug/l #	35
32) 1,1,1-Trichloroethane	7.710	97	706	2.578	ug/l	91
36) 1,1-Dichloropropene	7.789	75	1651	6.531	ug/l #	42
38) Carbon Tetrachloride	7.905	117	3222	13.311	ug/l #	90
42) 1,2-Dichloroethane	8.240	62	262	1.371	ug/l #	73
55) 1,1,2-Trichloroethane	10.642	97	199	1.527	ug/l #	65
76) 1,2,3-Trichloropropane	12.483	75	1568	70.638	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1568	146.776	ug/l #	12

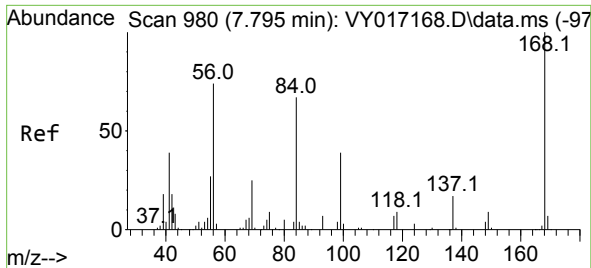
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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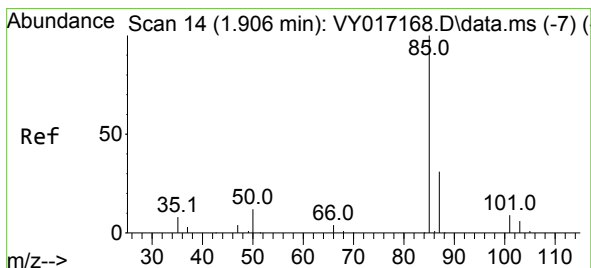
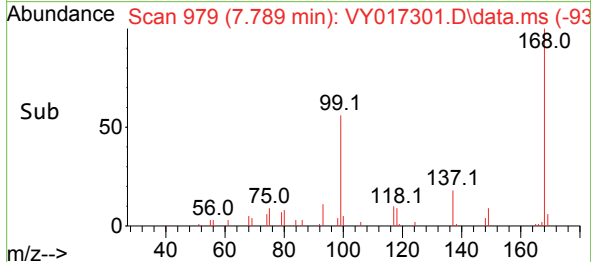
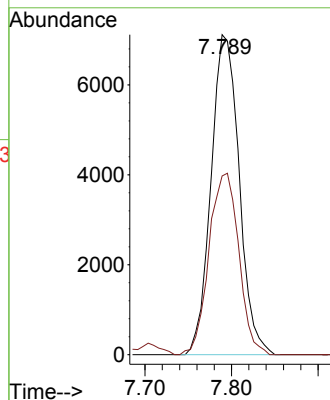
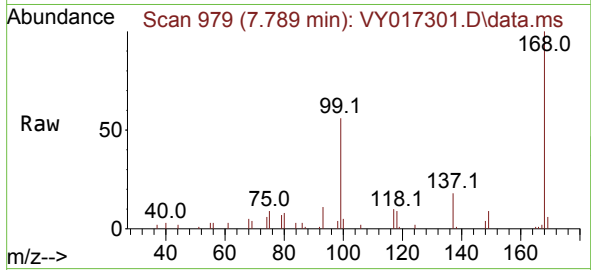




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

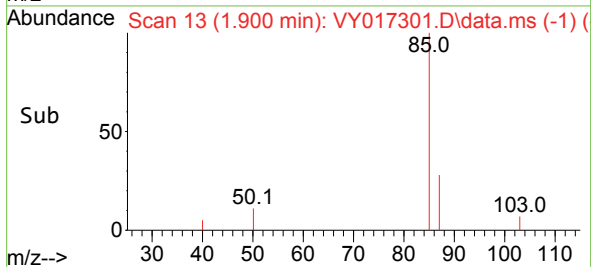
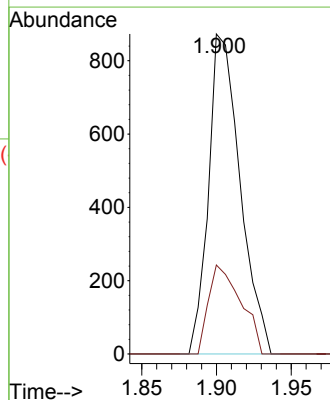
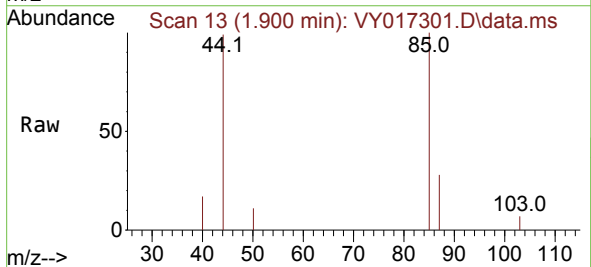
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20240205RE

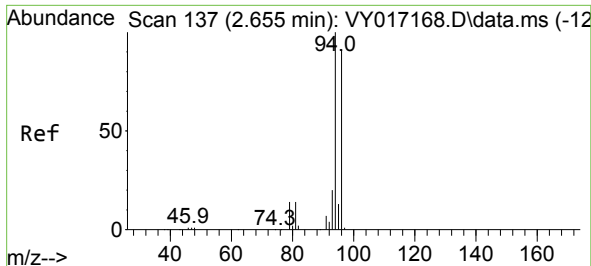
Tgt Ion:168 Resp: 16056
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 10.541 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 85 Resp: 1283
Ion Ratio Lower Upper
85 100
87 27.8 17.1 51.3





#5

Bromomethane

Concen: 1.110 ug/l

RT: 2.656 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY017301.D

Acq: 07 Feb 2024 19:59

Instrument :

MSVOA_Y

ClientSampleId :

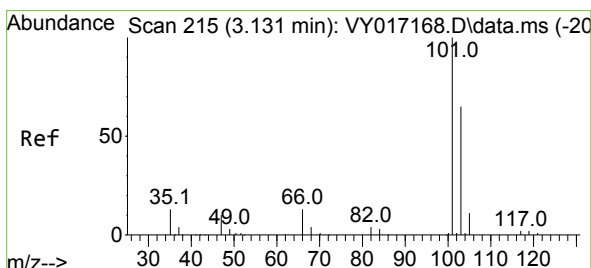
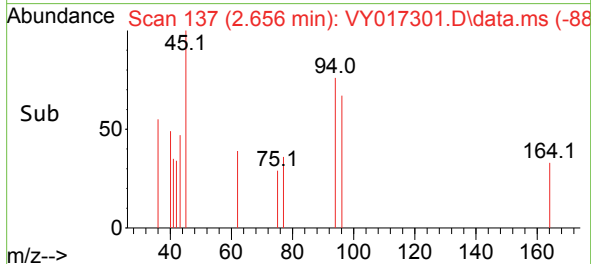
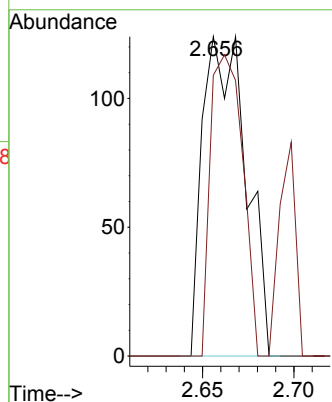
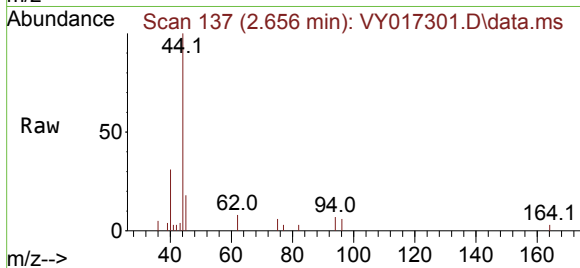
RE137-CARBON-20240205RE

Tgt Ion: 94 Resp: 205

Ion Ratio Lower Upper

94 100

96 87.9 77.3 115.9



#7

Trichlorofluoromethane

Concen: 5.909 ug/l

RT: 3.113 min Scan# 212

Delta R.T. -0.018 min

Lab File: VY017301.D

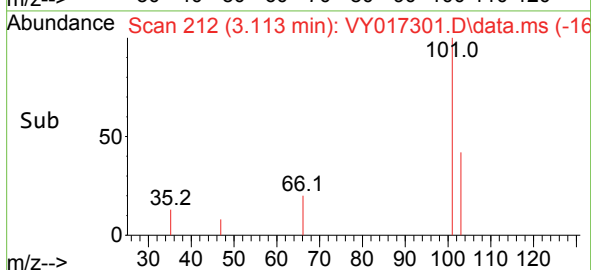
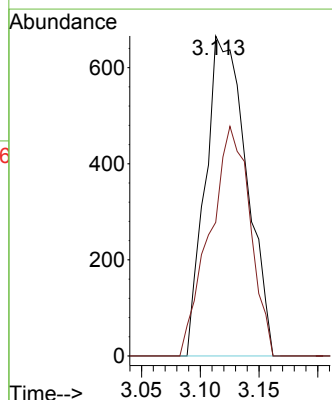
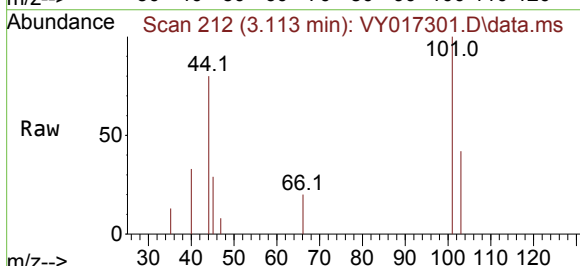
Acq: 07 Feb 2024 19:59

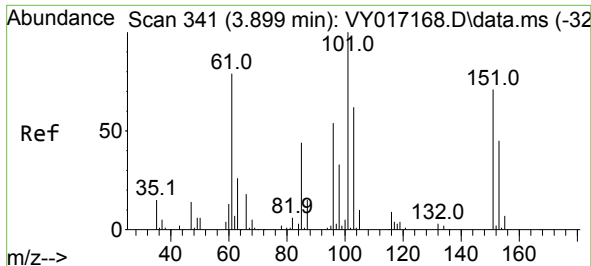
Tgt Ion: 101 Resp: 1619

Ion Ratio Lower Upper

101 100

103 41.7 51.9 77.9#

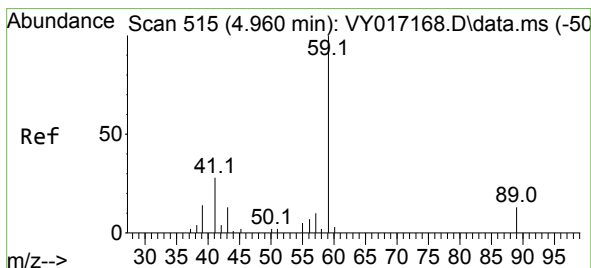
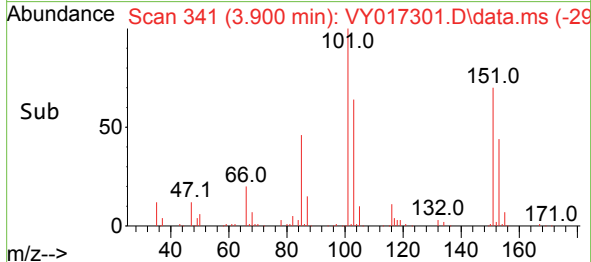
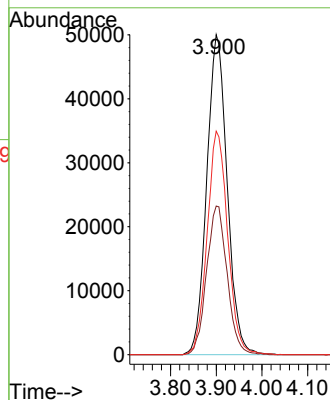
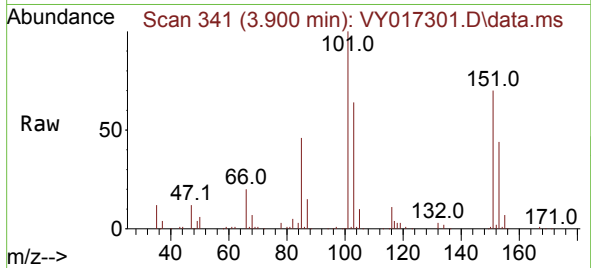




#9
1,1,2-Trichlorotrifluoroethane
Concen: 935.374 ug/l
RT: 3.900 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

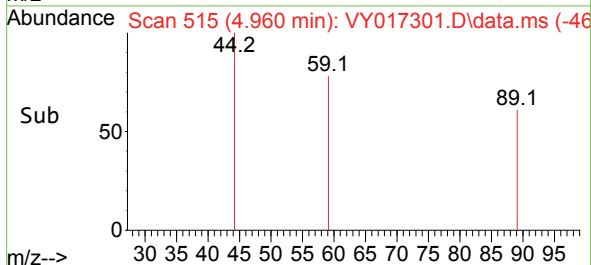
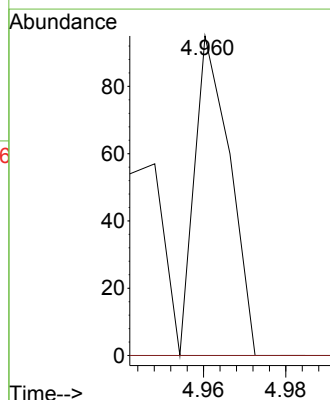
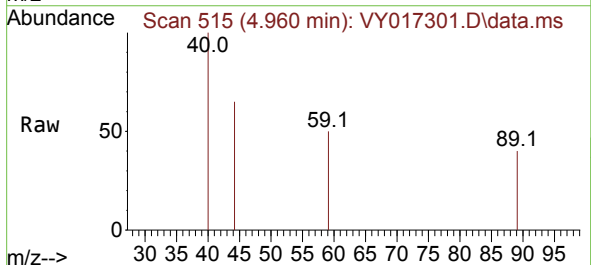
Instrument :
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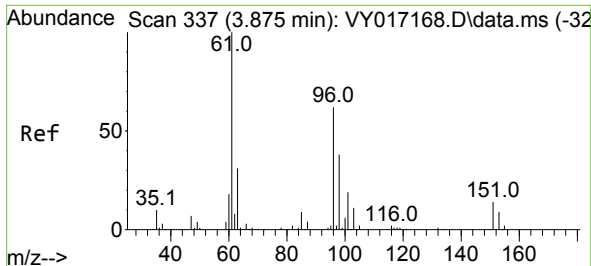
Tgt Ion:101 Resp: 155361
Ion Ratio Lower Upper
101 100
85 46.9 35.8 53.6
151 70.3 58.6 88.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#12

1,1-Dichloroethene

Concen: 3.200 ug/l

RT: 3.906 min Scan# 34

Delta R.T. 0.031 min

Lab File: VY017301.D

Acq: 07 Feb 2024 19:59

Instrument :

MSVOA_Y

ClientSampleId :

RE137-CARBON-20240205RE

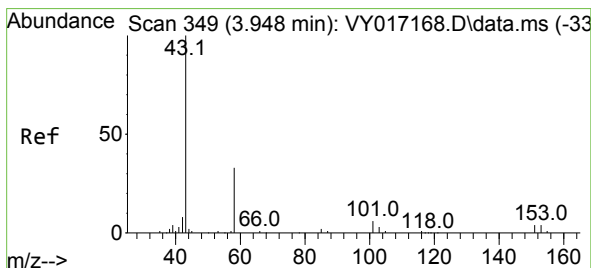
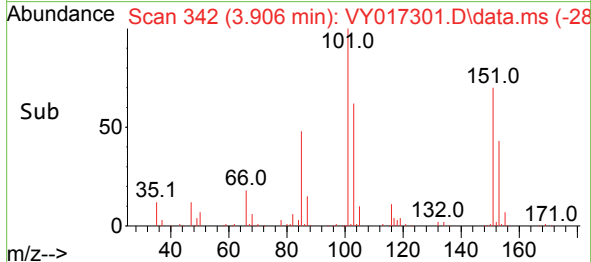
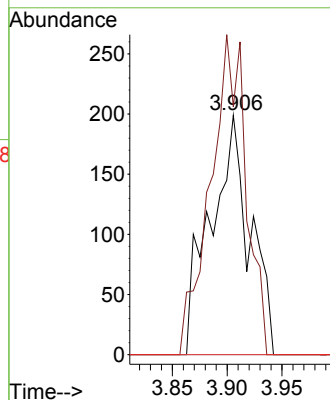
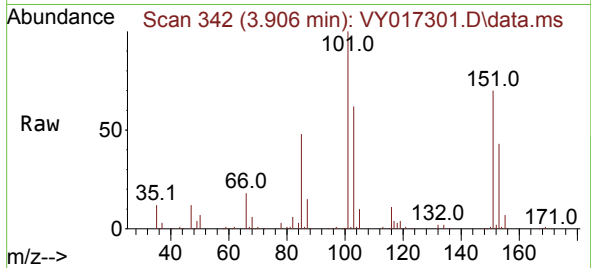
Tgt Ion: 96 Resp: 498

Ion Ratio Lower Upper

96 100

61 103.5 124.2 186.2#

98 0.0 52.6 79.0#



#16

Acetone

Concen: 10.888 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.007 min

Lab File: VY017301.D

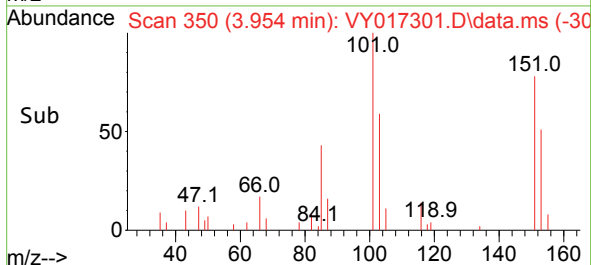
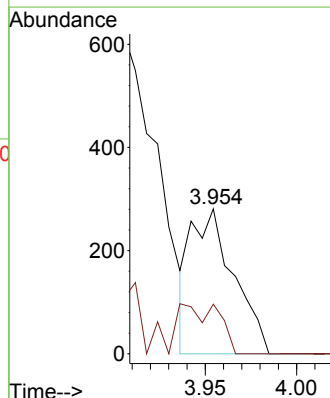
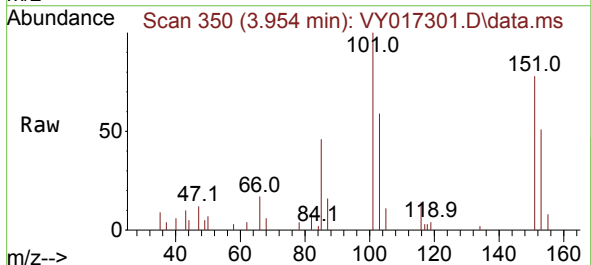
Acq: 07 Feb 2024 19:59

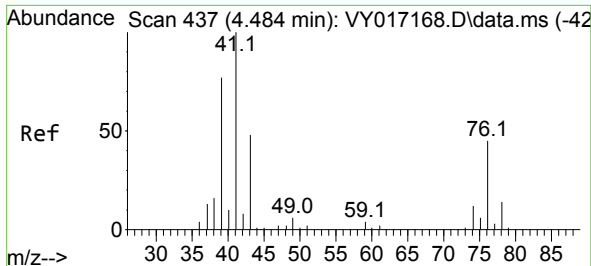
Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

58 34.2 26.6 39.8

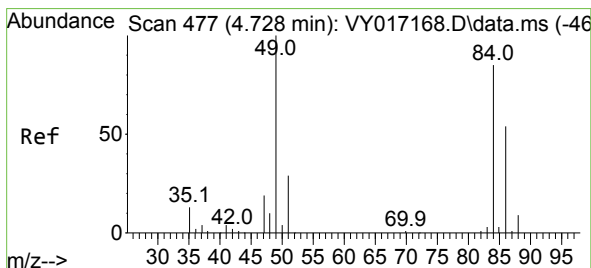
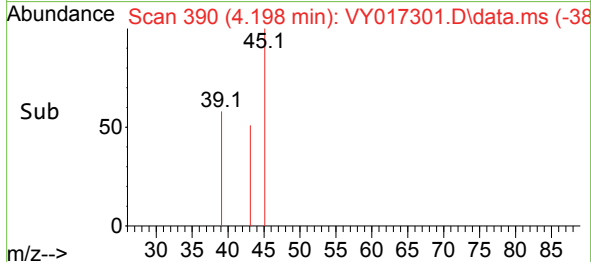
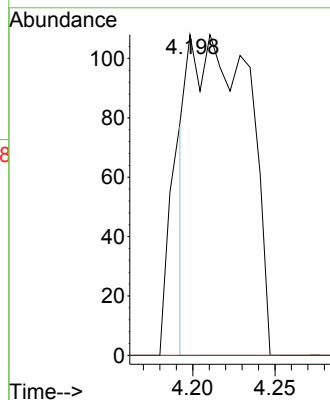
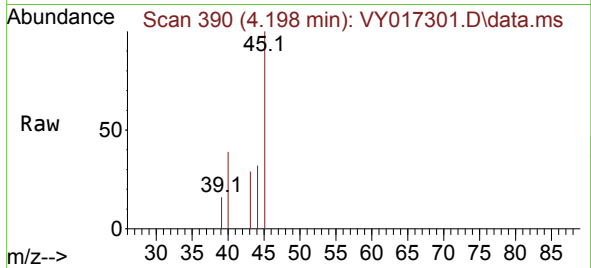




#18
Methyl Acetate
Concen: 2.913 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.286 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

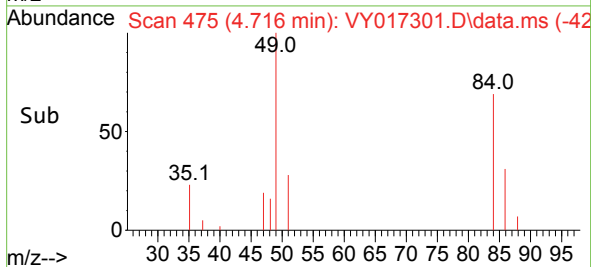
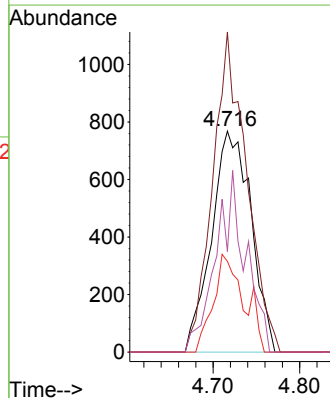
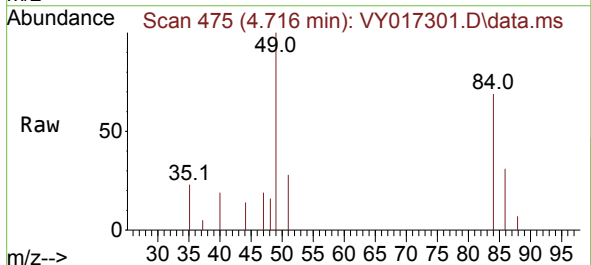
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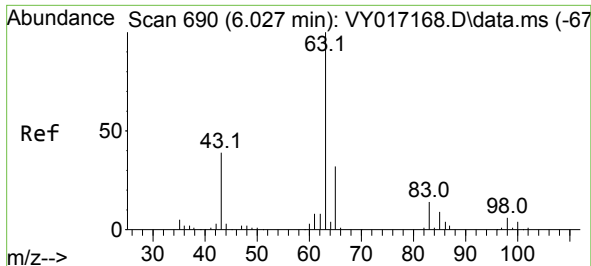
Tgt Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#20
Methylene Chloride
Concen: 11.367 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 84 Resp: 2430
Ion Ratio Lower Upper
84 100
49 144.9 95.2 142.8#
51 41.1 29.9 44.9
86 45.6 52.2 78.4#

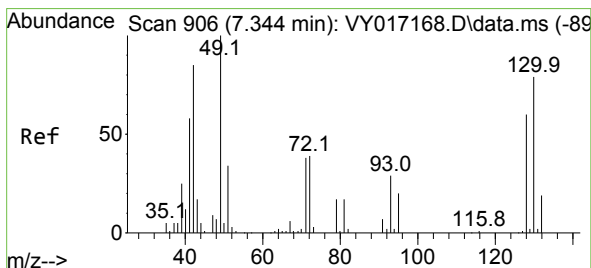
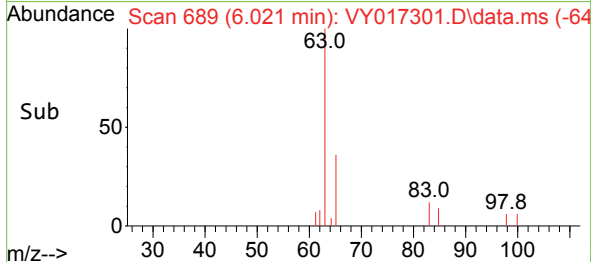
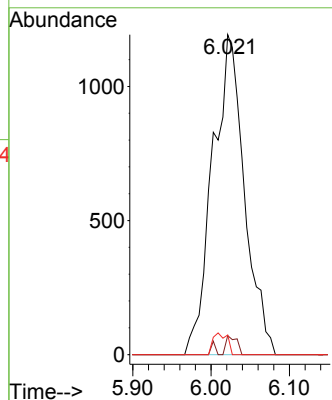
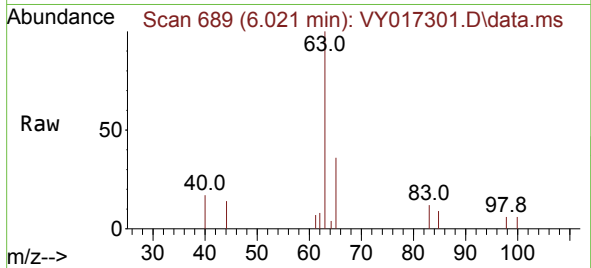




#24
1,1-Dichloroethane
Concen: 10.657 ug/l
RT: 6.021 min Scan# 61
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

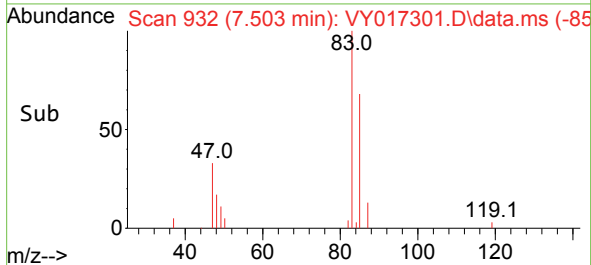
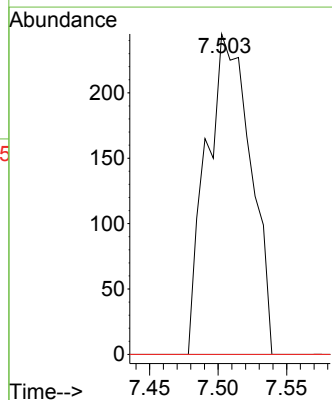
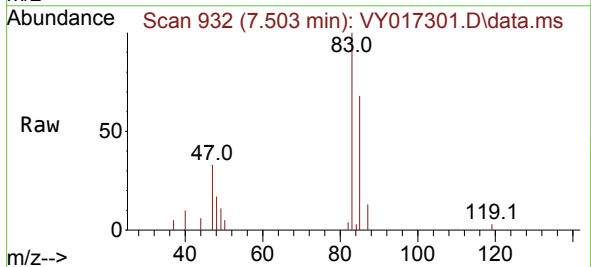
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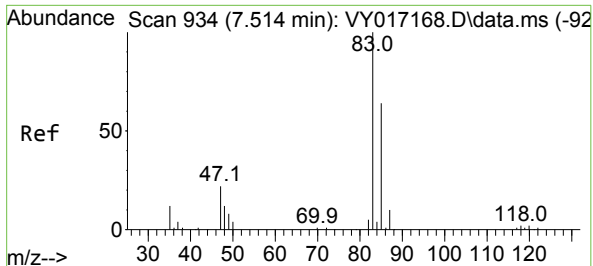
Tgt Ion: 63 Resp: 3373
Ion Ratio Lower Upper
63 100
98 6.0 3.8 11.4
100 6.1 2.1 6.2



#28
Bromochloromethane
Concen: 4.538 ug/l
RT: 7.503 min Scan# 932
Delta R.T. 0.159 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 49 Resp: 550
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 59.8 89.8#

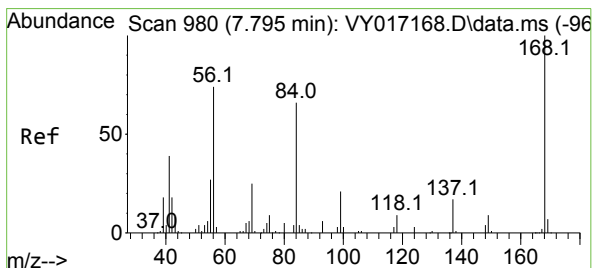
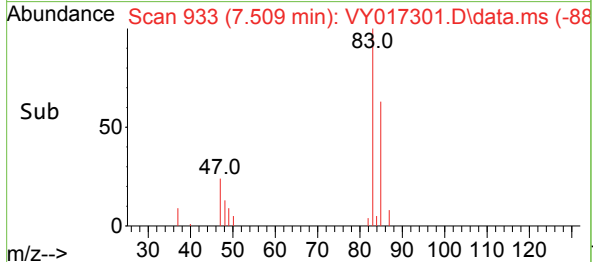
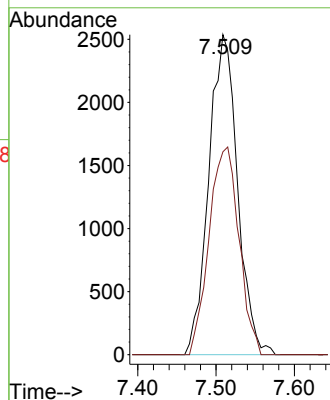
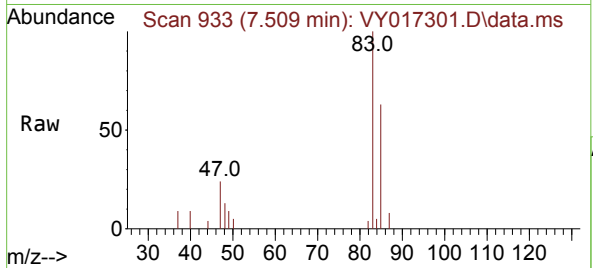




#30
Chloroform
Concen: 20.345 ug/l
RT: 7.509 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

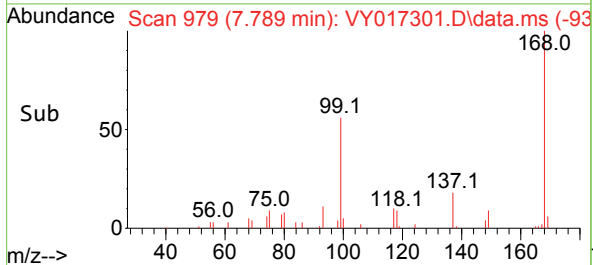
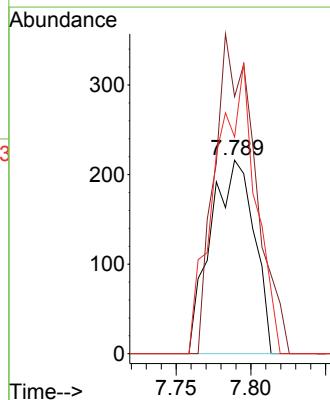
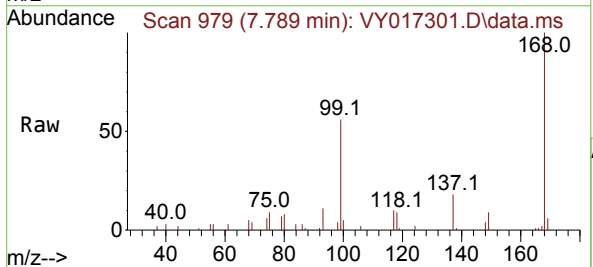
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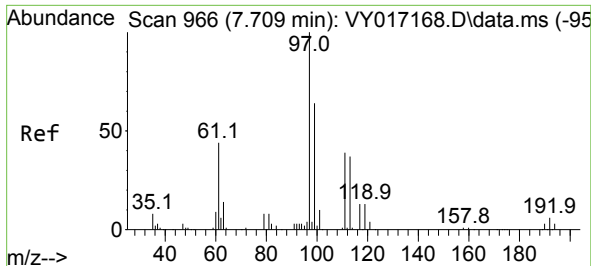
Tgt Ion: 83 Resp: 6478
Ion Ratio Lower Upper
83 100
85 63.4 51.2 76.8



#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 56 Resp: 438
Ion Ratio Lower Upper
56 100
69 132.9 27.0 40.6#
84 112.0 71.8 107.6#

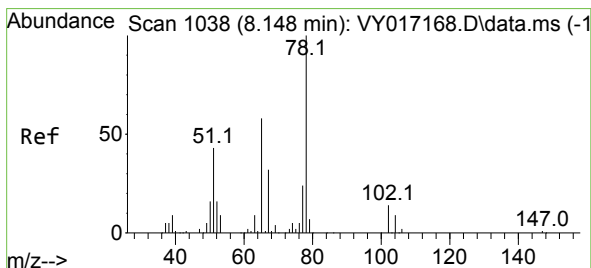
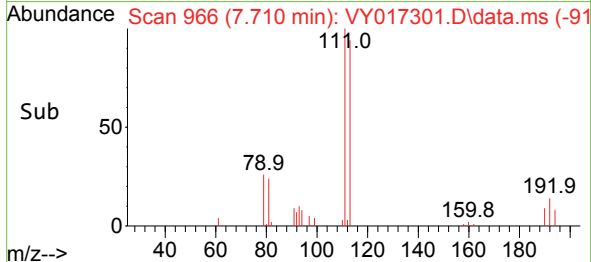
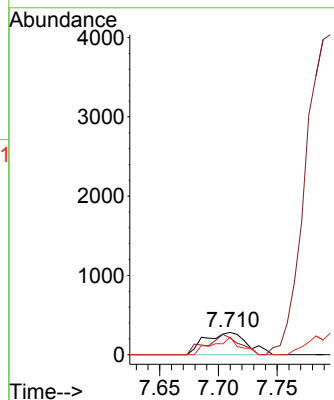
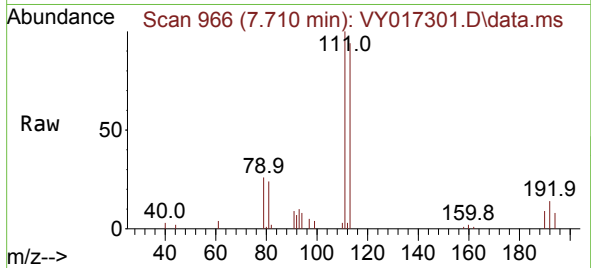




#32
1,1,1-Trichloroethane
Concen: 2.578 ug/l
RT: 7.710 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

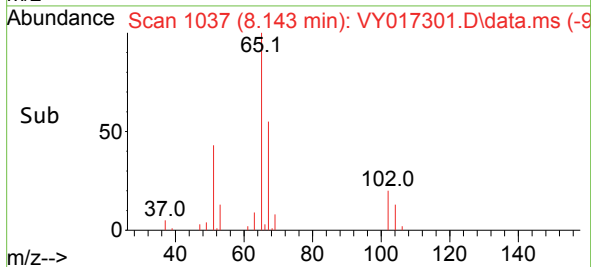
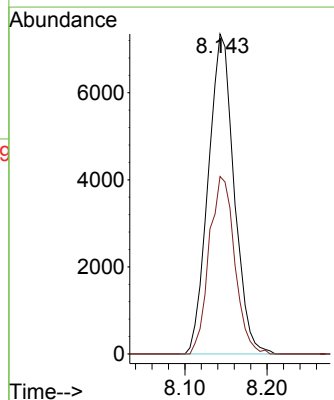
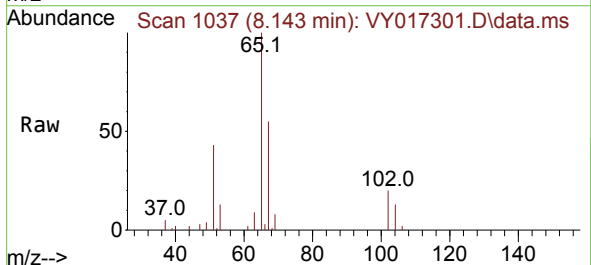
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20240205RE

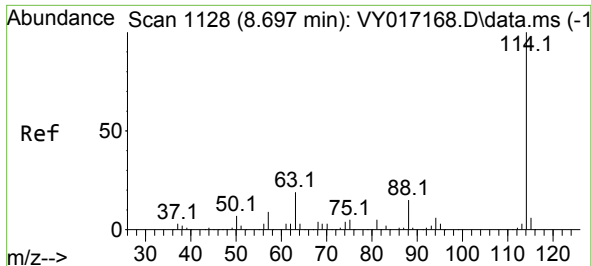
Tgt Ion: 97 Resp: 706
Ion Ratio Lower Upper
97 100
99 70.1 51.2 76.8
61 51.1 35.0 52.6



#33
1,2-Dichloroethane-d4
Concen: 111.961 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 65 Resp: 16059
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.0

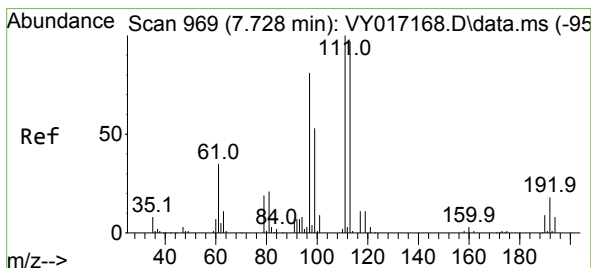
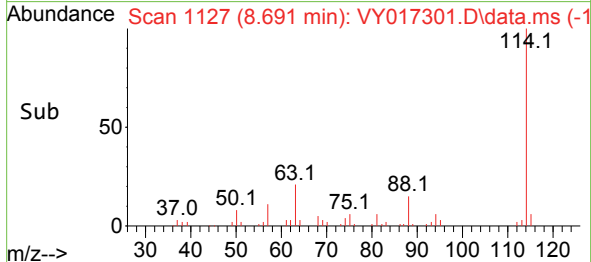
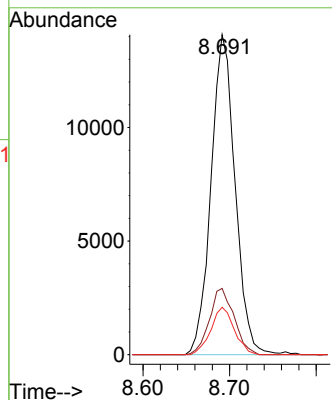
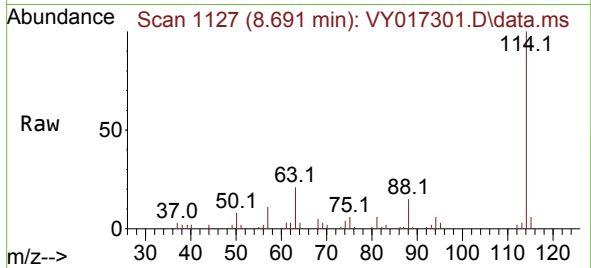




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

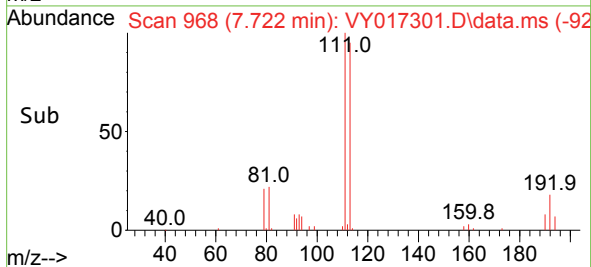
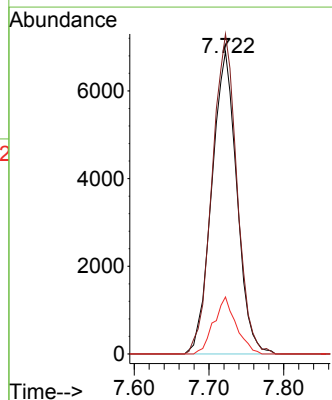
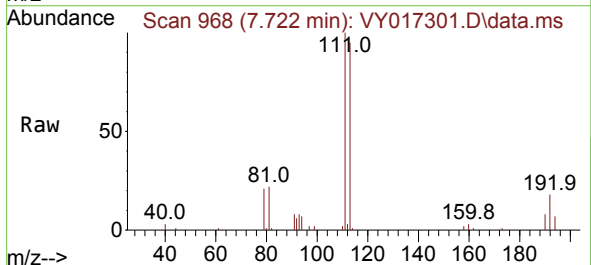
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20240205RE

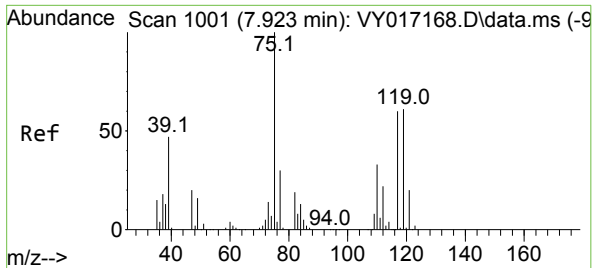
Tgt Ion:	114	Resp:	27144
Ion Ratio	Lower	Upper	
114	100		
63	20.7	0.0	37.4
88	14.8	0.0	29.0



#35
Dibromofluoromethane
Concen: 109.818 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion:	113	Resp:	16095
Ion Ratio	Lower	Upper	
113	100		
111	104.7	83.8	125.6
192	16.8	14.5	21.7

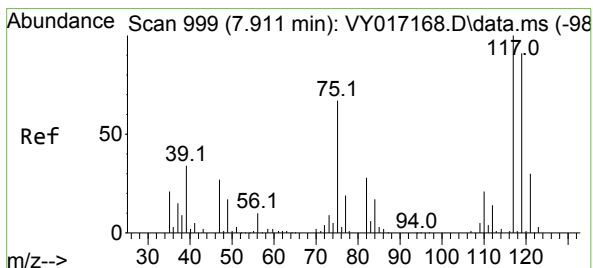
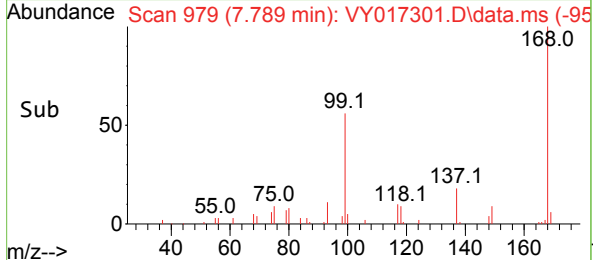
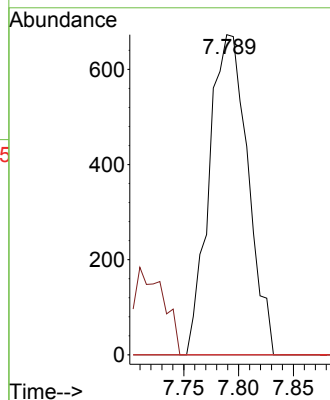
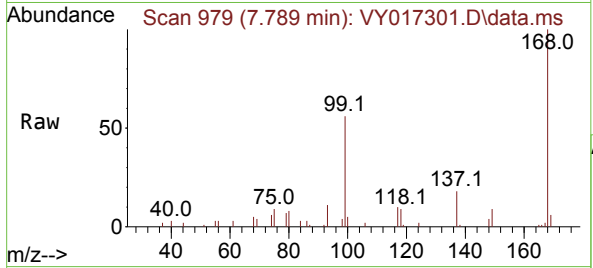




#36
1,1-Dichloropropene
Concen: 6.531 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

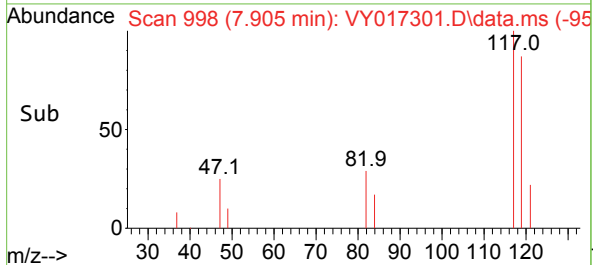
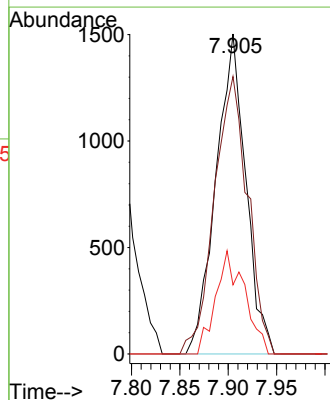
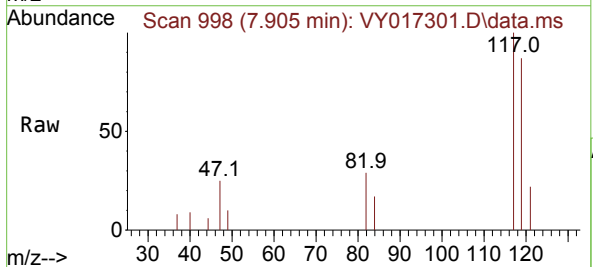
Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20240205RE

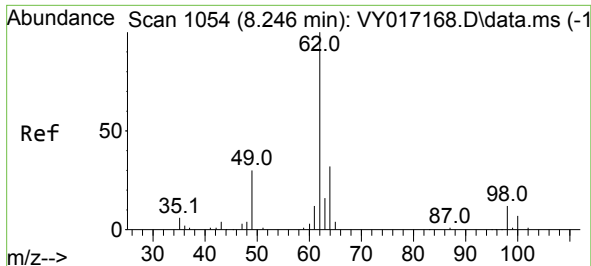
Tgt Ion: 75 Resp: 1651
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 13.311 ug/l
RT: 7.905 min Scan# 998
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 117 Resp: 3222
Ion Ratio Lower Upper
117 100
119 86.7 76.0 114.0
121 21.6 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 1.371 ug/l

RT: 8.240 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VY017301.D

Acq: 07 Feb 2024 19:59

Instrument :

MSVOA_Y

ClientSampleId :

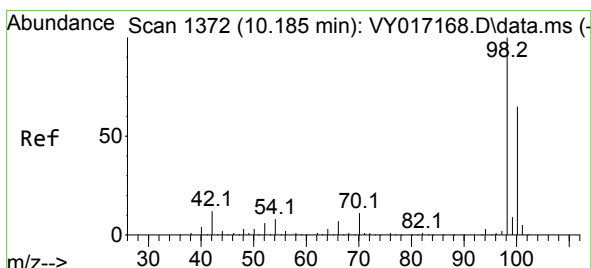
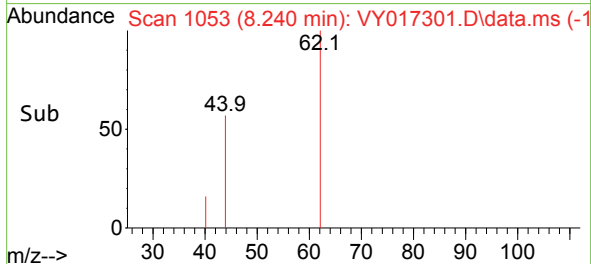
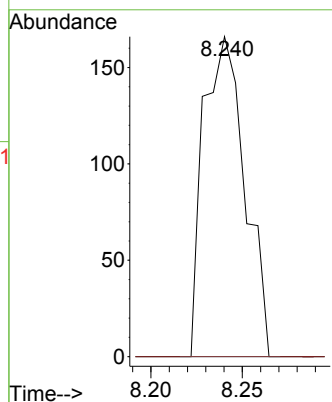
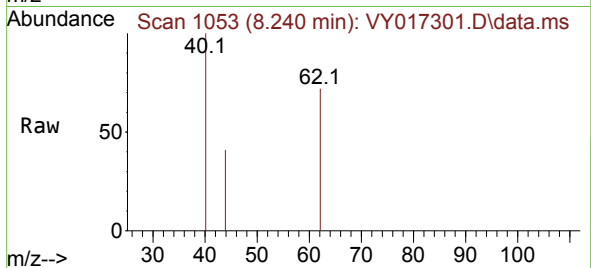
RE137-CARBON-20240205RE

Tgt Ion: 62 Resp: 262

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#50

Toluene-d8

Concen: 41.789 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.001 min

Lab File: VY017301.D

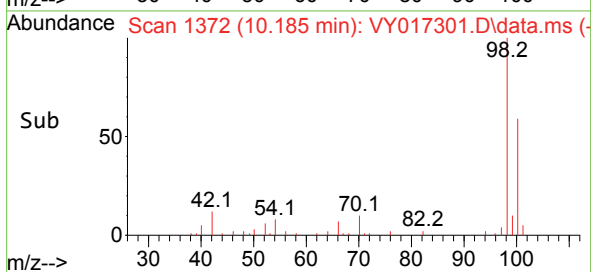
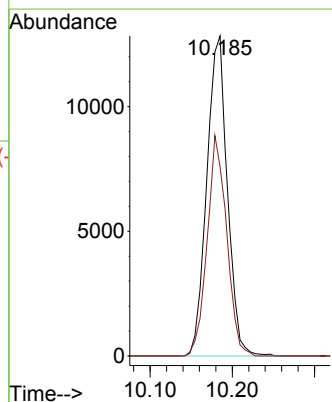
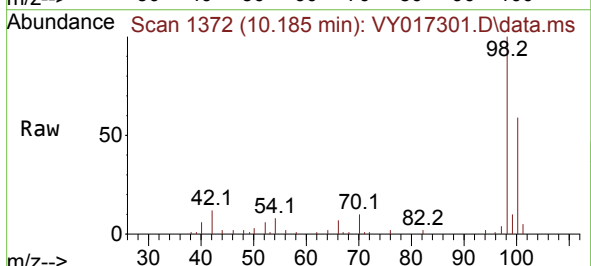
Acq: 07 Feb 2024 19:59

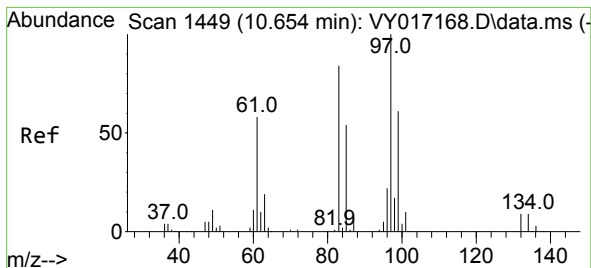
Tgt Ion: 98 Resp: 22299

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5

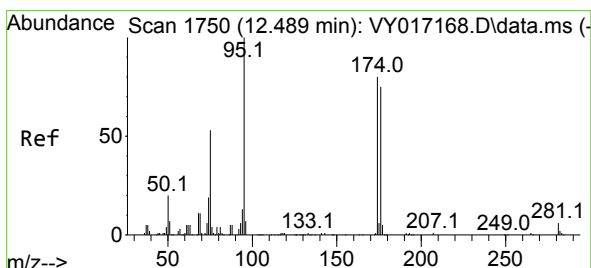
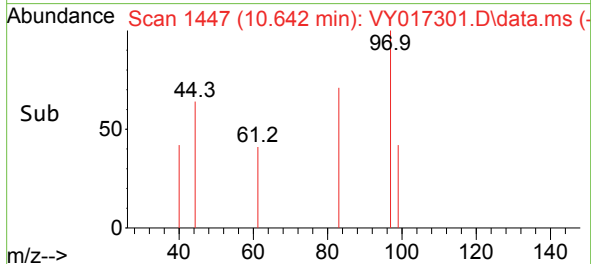
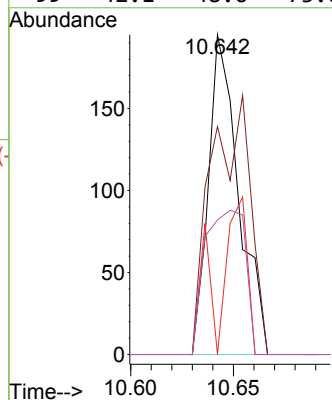
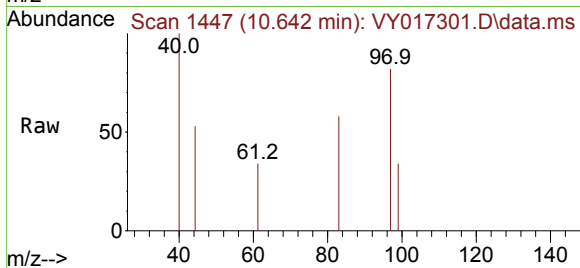




#55
1,1,2-Trichloroethane
Concen: 1.527 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. -0.012 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

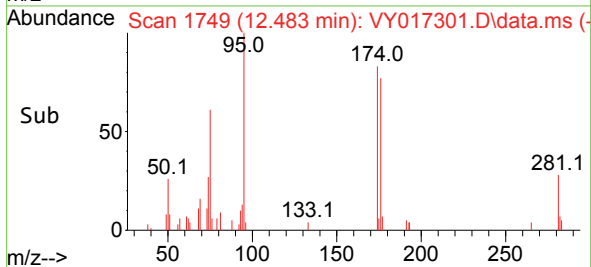
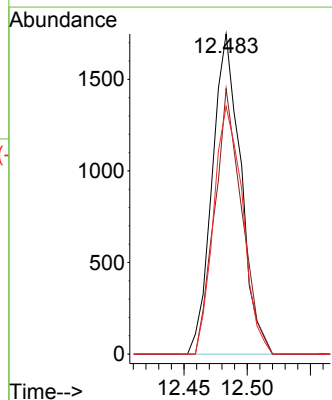
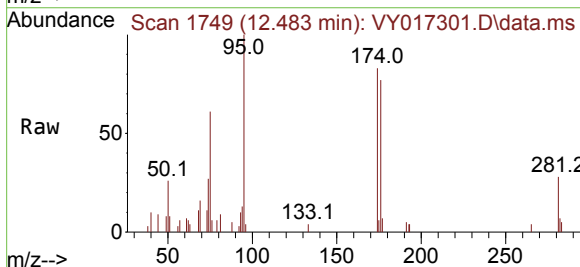
Instrument : MSVOA_Y
ClientSampleId : RE137-CARBON-20240205RE

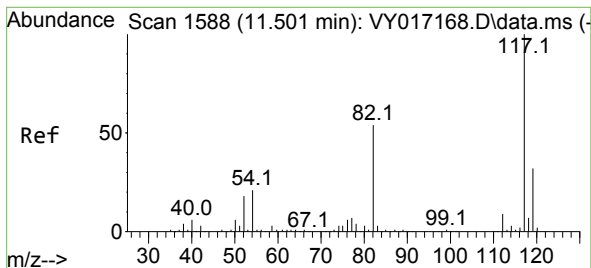
Tgt Ion: 97	Resp: 199
Ion Ratio	Lower Upper
97 100	
83 71.3	69.4 104.2
85 0.0	43.9 65.9#
99 42.1	48.6 73.0#



#62
4-Bromofluorobenzene
Concen: 15.681 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 95	Resp: 2741
Ion Ratio	Lower Upper
95 100	
174 79.1	0.0 160.0
176 78.9	0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY017301.D

Acq: 07 Feb 2024 19:59

Instrument :

MSVOA_Y

ClientSampleId :

RE137-CARBON-20240205RE

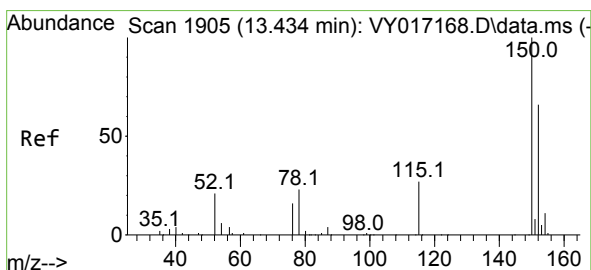
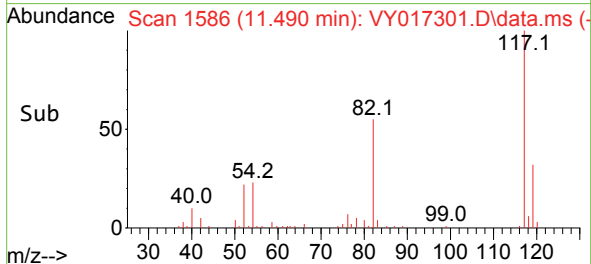
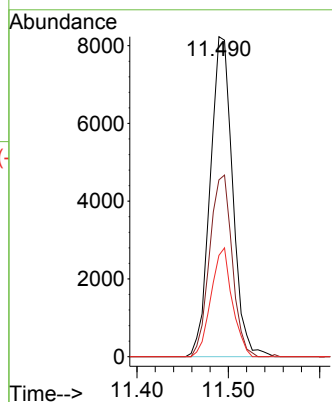
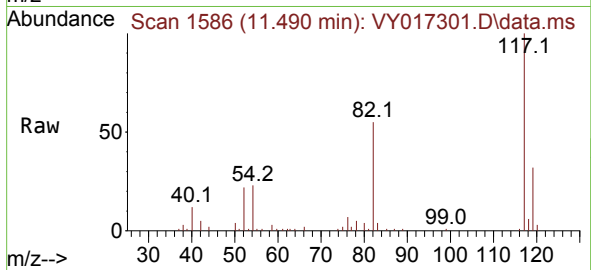
Tgt Ion:117 Resp: 14002

Ion Ratio Lower Upper

117 100

82 55.2 43.8 65.8

119 31.6 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: VY017301.D

Acq: 07 Feb 2024 19:59

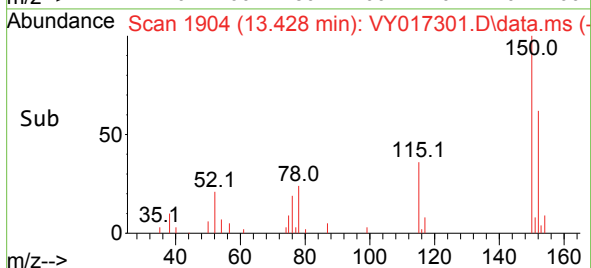
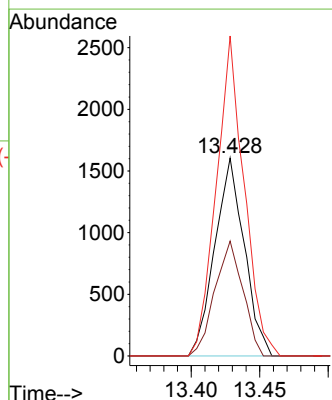
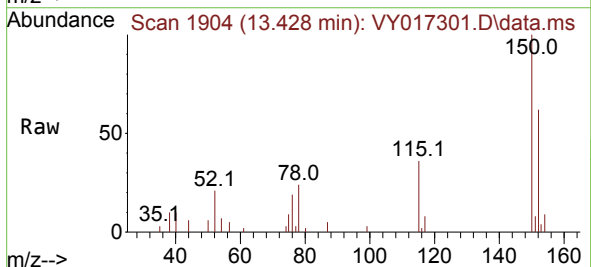
Tgt Ion:152 Resp: 2405

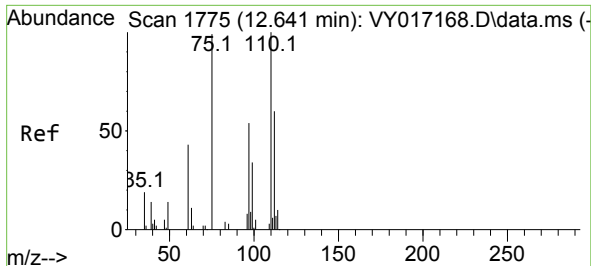
Ion Ratio Lower Upper

152 100

115 55.2 30.0 90.0

150 152.4 0.0 344.6

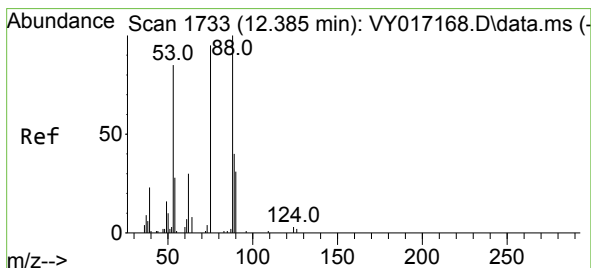
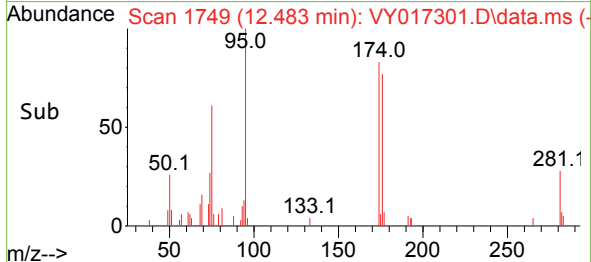
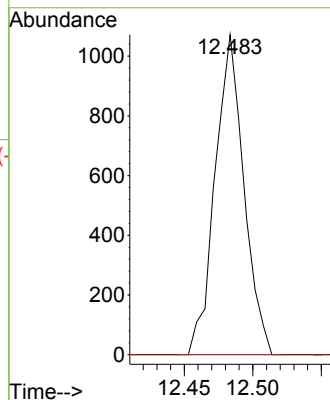
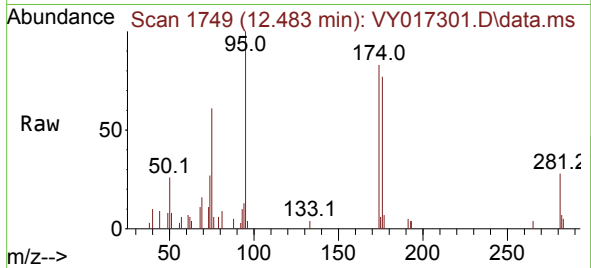




#76
1,2,3-Trichloropropane
Concen: 70.638 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.158 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Instrument :
MSVOA_Y
ClientSampleId :
RE137-CARBON-20240205RE

Tgt Ion: 75 Resp: 1568
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 146.776 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017301.D
Acq: 07 Feb 2024 19:59

Tgt Ion: 75 Resp: 1568
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

