

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040192.D
 Acq On : 12 Feb 2024 12:20
 Operator : JC/MD
 Sample : P1379-01DL 4X
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE137-CARBON-20240205DL

Quant Time: Feb 12 14:22:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

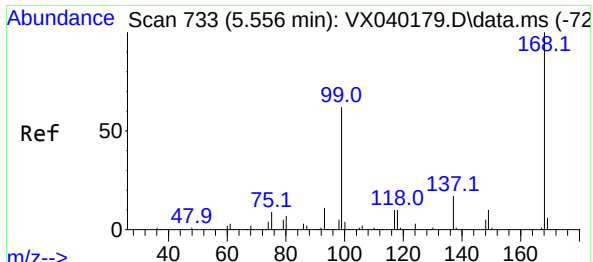
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	107681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177733	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	168098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73181	45.682	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.360%		
35) Dibromofluoromethane	5.385	113	56078	45.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.360%		
50) Toluene-d8	8.647	98	212695	45.811	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.620%#		
62) 4-Bromofluorobenzene	11.079	95	88193	46.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.160%		
Target Compounds						Qvalue
7) Trichlorofluoromethane	1.880	101	1405	0.660	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.325	101	123837	108.455	ug/l	97
11) Tert butyl alcohol	2.947	59	525	1.682	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	446	0.406	ug/l #	18
16) Acetone	2.380	43	265	0.403	ug/l #	47
20) Methylene Chloride	2.788	84	324	Below Cal	#	75
24) 1,1-Dichloroethane	3.605	63	3406	1.511	ug/l #	89
28) Bromochloromethane	5.099	49	615	0.643	ug/l #	16
30) Chloroform	5.099	83	8266	3.392	ug/l	92
31) Cyclohexane	5.550	56	2353	1.231	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	2182	1.064	ug/l #	48
36) 1,1-Dichloropropene	5.544	75	8939	5.141	ug/l #	50
38) Carbon Tetrachloride	5.672	117	14514	8.780	ug/l	92
42) 1,2-Dichloroethane	6.098	62	767	0.404	ug/l #	77
44) Trichloroethene	7.129	130	1172	0.874	ug/l	85
51) 4-Methyl-2-Pentanone	8.647	43	1075	0.521	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	2024	1.490	ug/l	91
59) 2-Hexanone	9.384	43	335	0.205	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	11.220	83	739	0.324	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	47387	25.998	ug/l #	39
77) Bromobenzene	11.195	156	315	0.210	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	47387	71.372	ug/l #	5
89) n-Butylbenzene	12.335	91	1784	0.335	ug/l #	65
93) 1,2,4-Trichlorobenzene	13.597	180	442	0.225	ug/l #	5
96) 1,2,3-Trichlorobenzene	13.975	180	438	0.234	ug/l #	1

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

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Response via : Initial Calibration

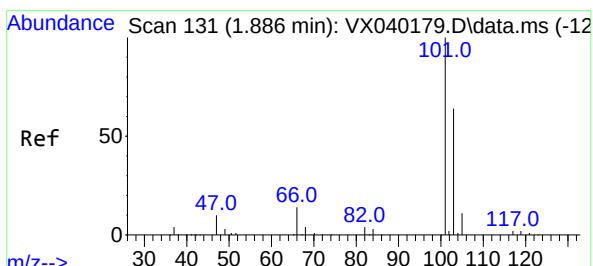
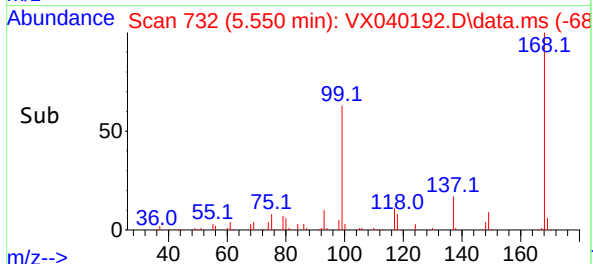
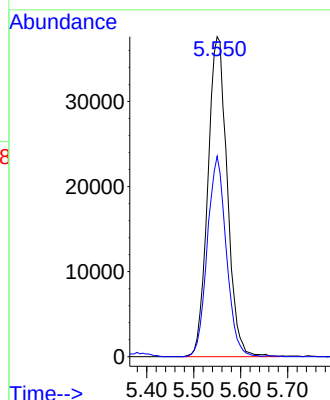
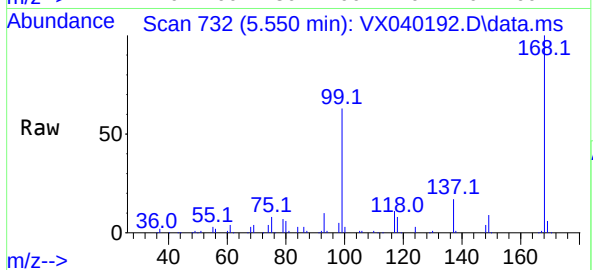




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

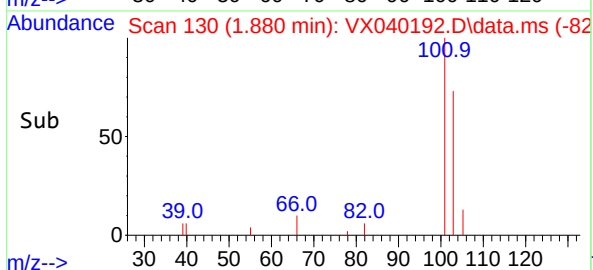
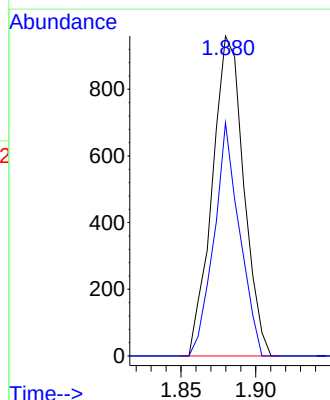
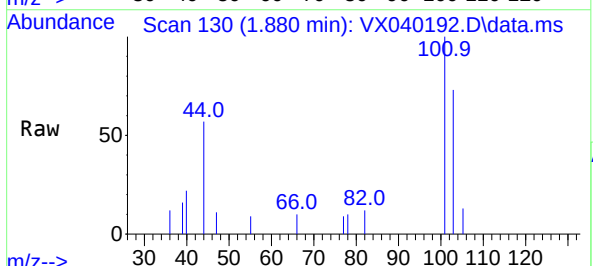
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MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

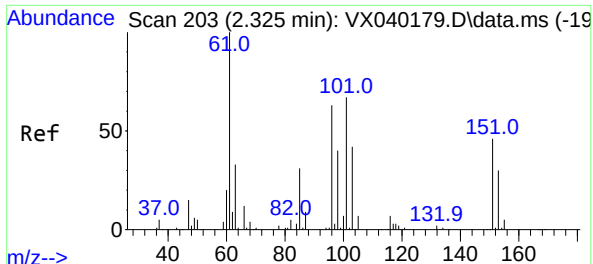
Tgt Ion:168 Resp: 107681
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#7
Trichlorofluoromethane
Concen: 0.660 ug/l
RT: 1.880 min Scan# 130
Delta R.T. -0.006 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion:101 Resp: 1405
Ion Ratio Lower Upper
101 100
103 72.9 51.4 77.2

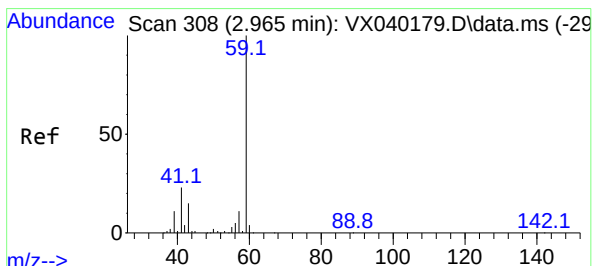
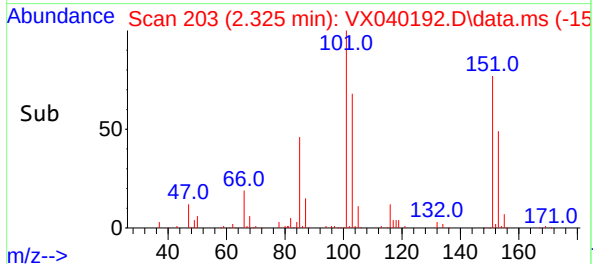
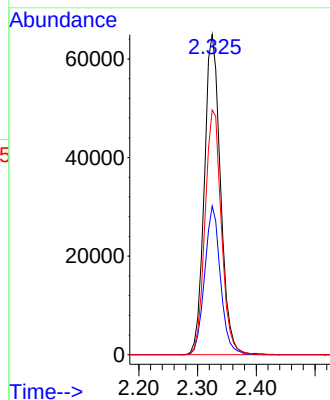
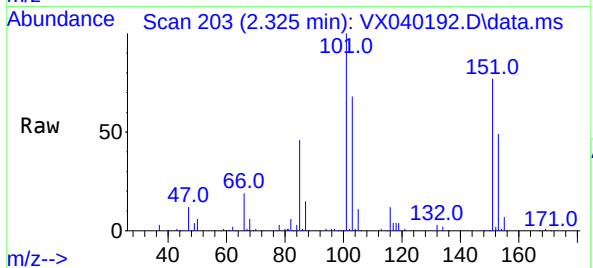




#9
1,1,2-Trichlorotrifluoroethane
Concen: 108.455 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

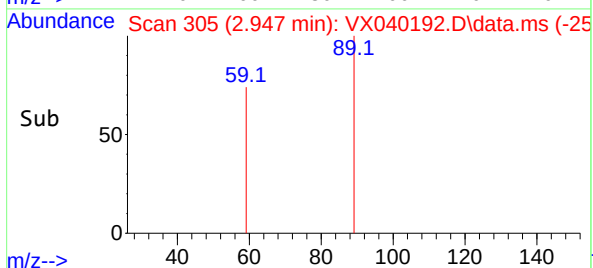
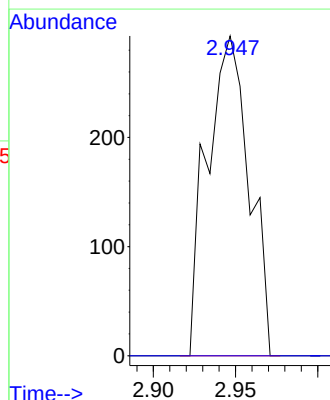
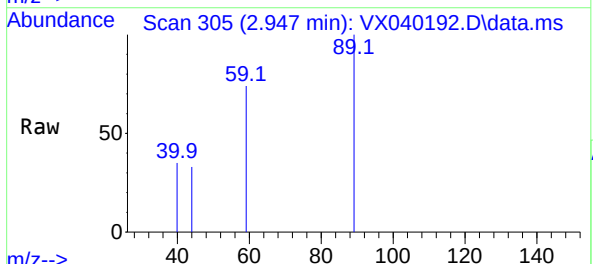
Instrument :
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ClientSampleId :
RE137-CARBON-20240205DL

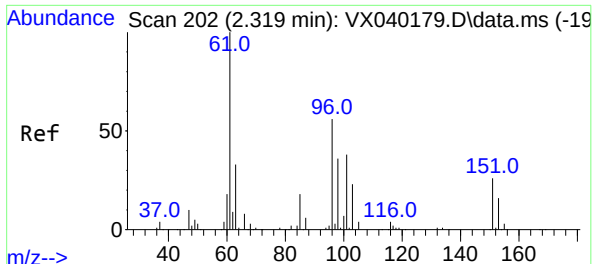
Tgt Ion:101 Resp: 123837
Ion Ratio Lower Upper
101 100
85 45.3 37.0 55.6
151 77.2 58.6 87.8



#11
Tert butyl alcohol
Concen: 1.682 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 59 Resp: 525
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

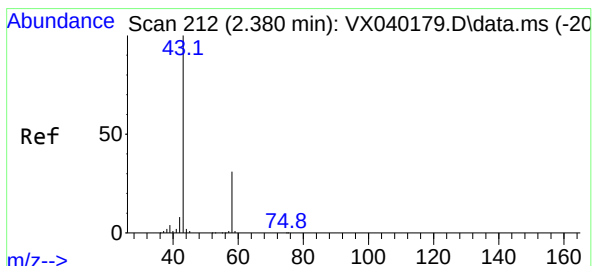
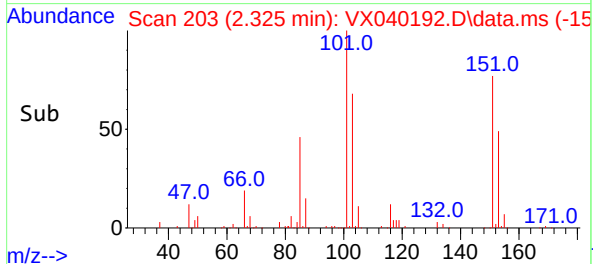
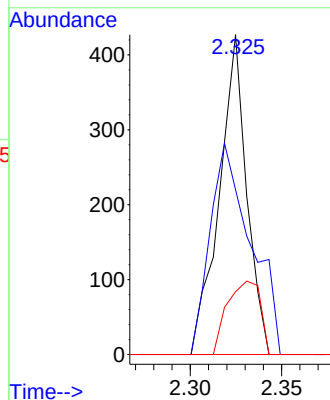
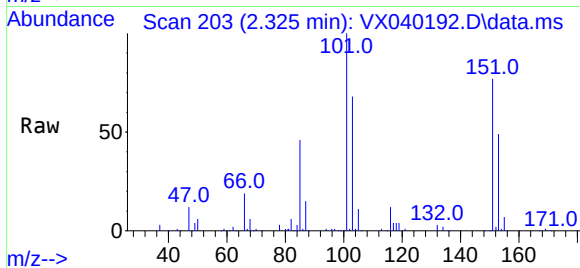




#12
1,1-Dichloroethene
Concen: 0.406 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

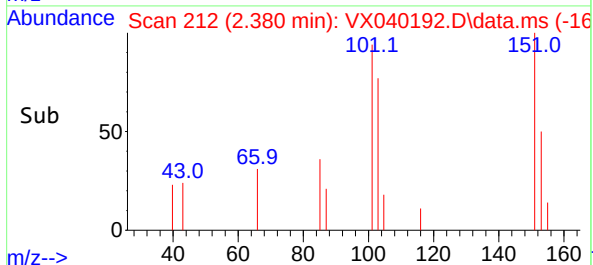
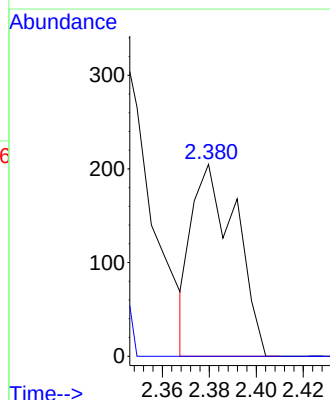
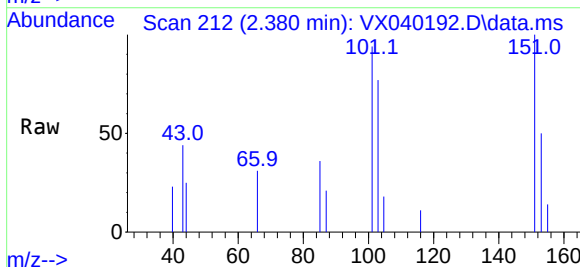
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

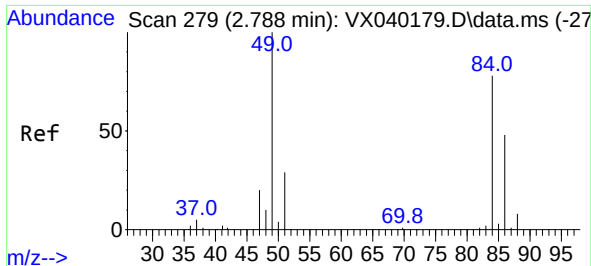
Tgt Ion: 96 Resp: 446
Ion Ratio Lower Upper
96 100
61 51.5 144.6 216.8#
98 19.7 50.4 75.6#



#16
Acetone
Concen: 0.403 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



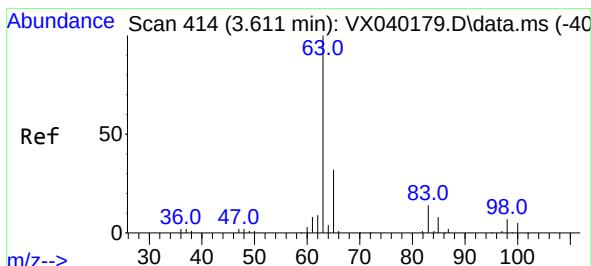
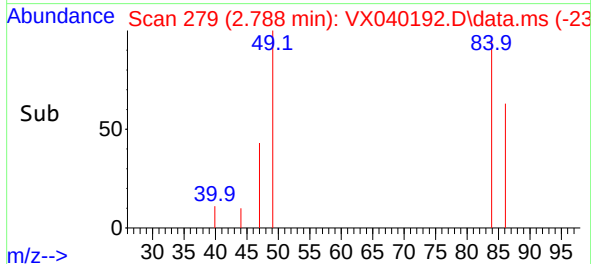
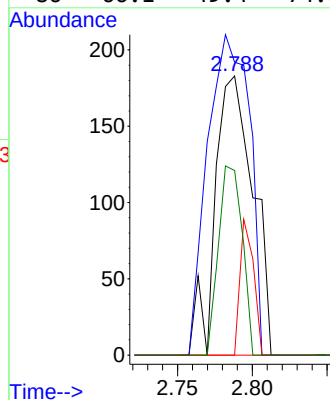
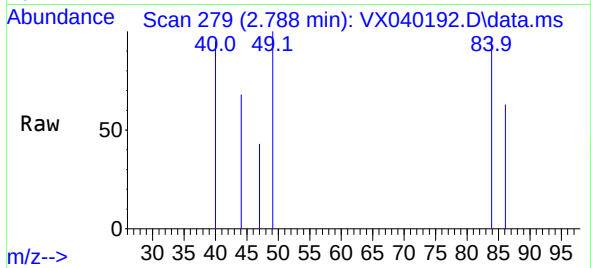


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

Tgt Ion: 84 Resp: 324

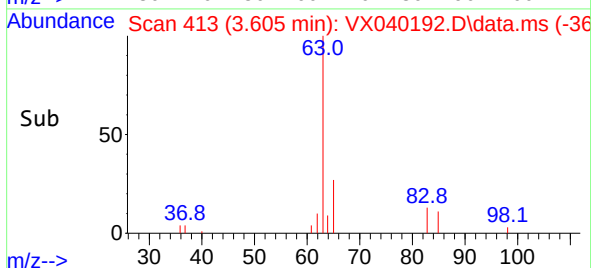
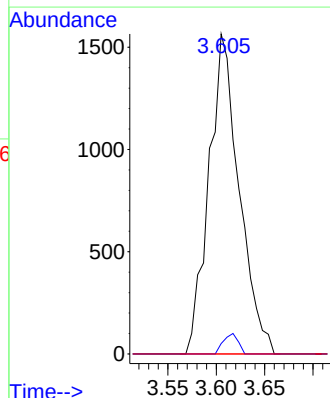
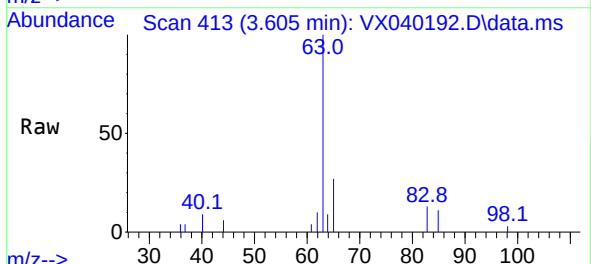
Ion	Ratio	Lower	Upper
84	100		
49	104.9	103.6	155.4
51	0.0	33.8	50.6#
86	66.1	49.4	74.0

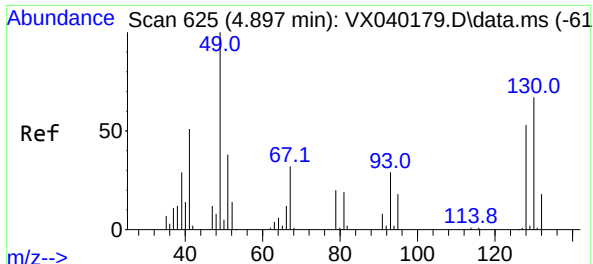


#24
1,1-Dichloroethane
Concen: 1.511 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 63 Resp: 3406

Ion	Ratio	Lower	Upper
63	100		
98	3.3	3.3	9.8
100	0.0	2.1	6.5#

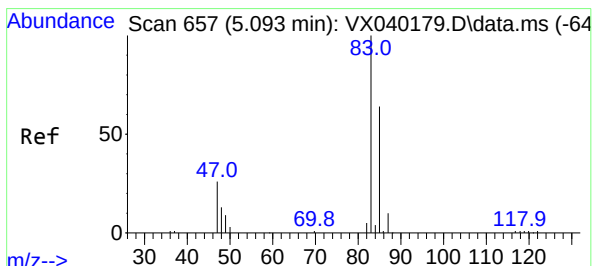
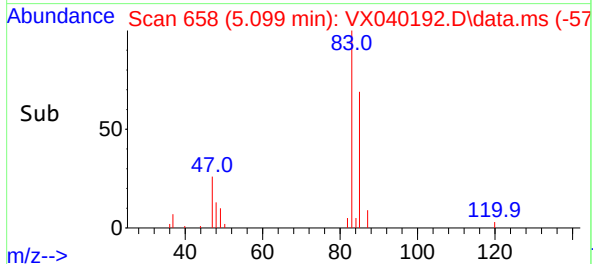
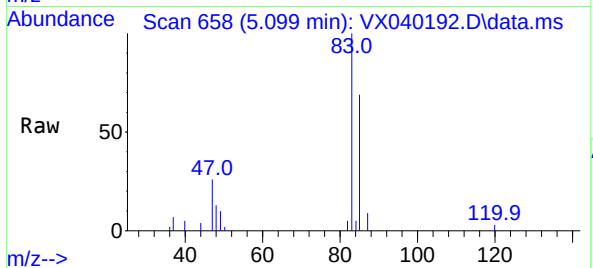




#28
Bromochloromethane
Concen: 0.643 ug/l
RT: 5.099 min Scan# 615
Delta R.T. 0.201 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

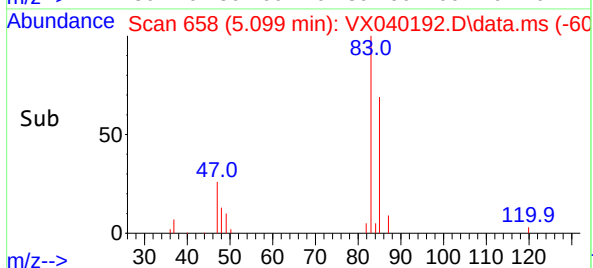
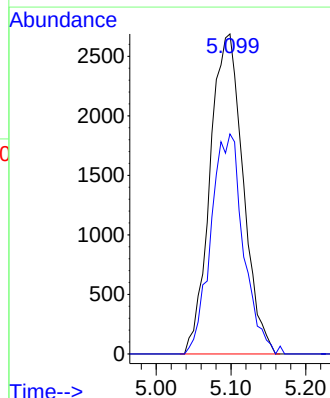
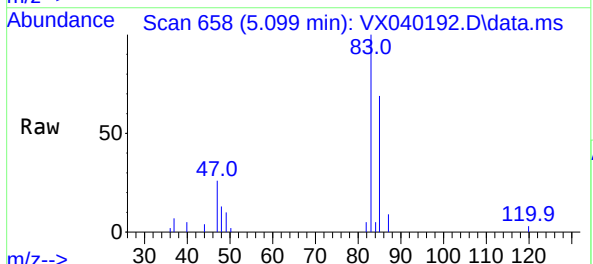
Instrument :
MSVOA_X
ClientSampleId :
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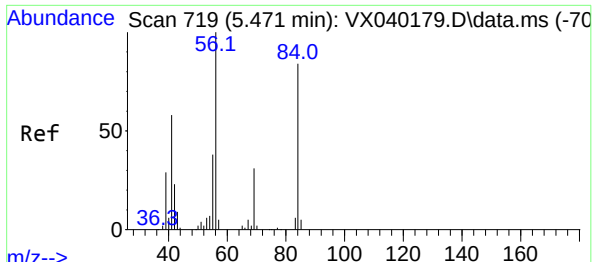
Tgt Ion: 49 Resp: 615
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 3.392 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 83 Resp: 8266
Ion Ratio Lower Upper
83 100
85 68.8 50.3 75.5

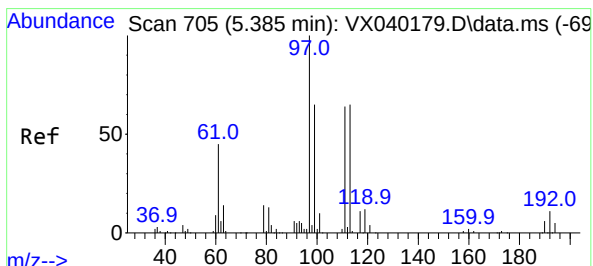
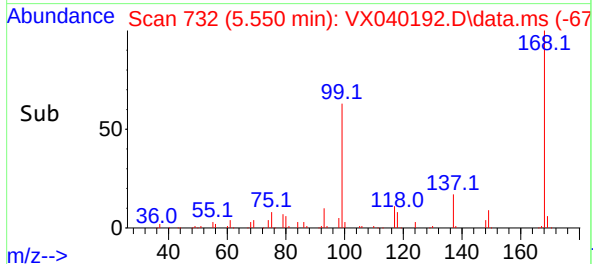
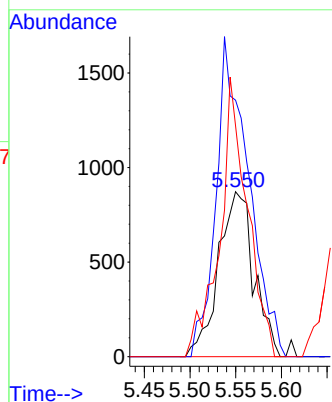
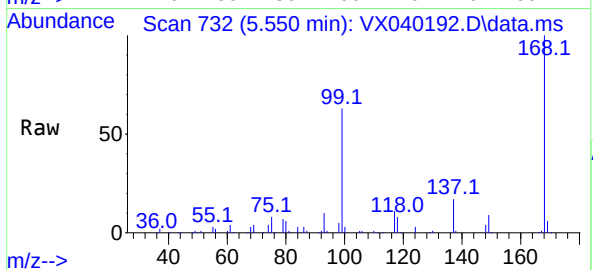




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

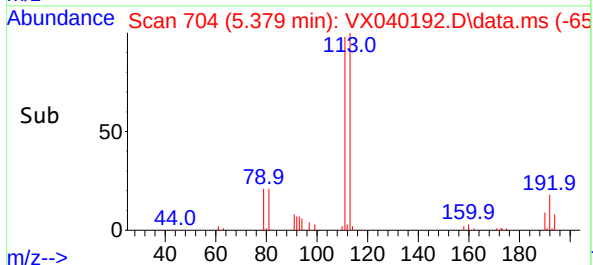
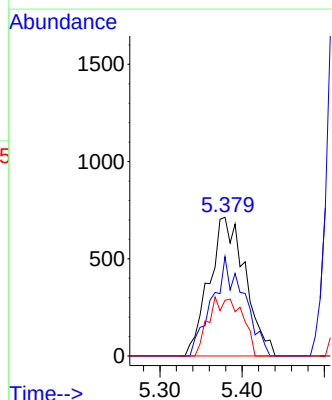
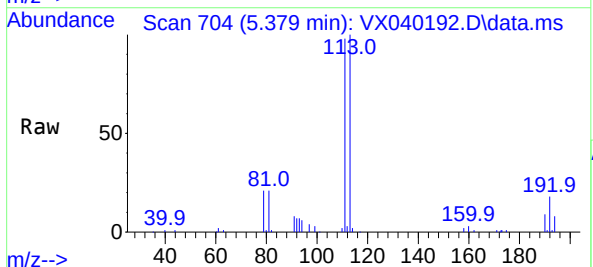
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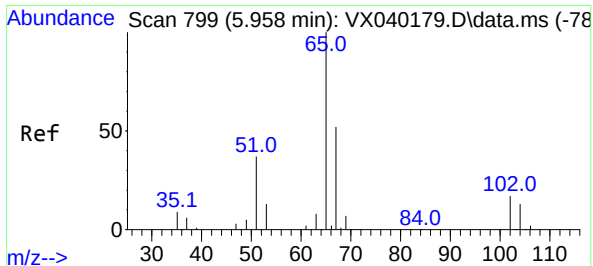
Tgt Ion: 56 Resp: 2353
Ion Ratio Lower Upper
56 100
69 155.5 23.4 35.2#
84 140.0 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 1.064 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 97 Resp: 2182
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 38.9 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 45.682 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX040192.D

Acq: 12 Feb 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

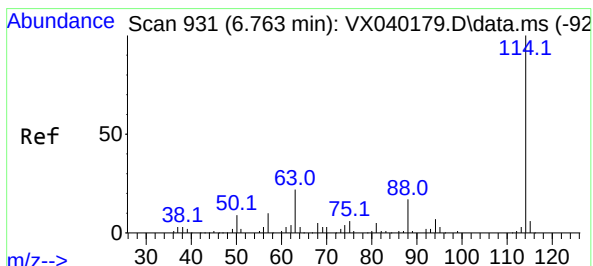
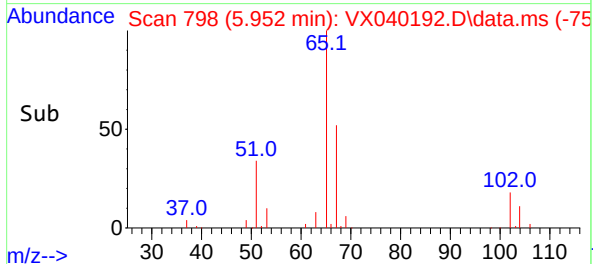
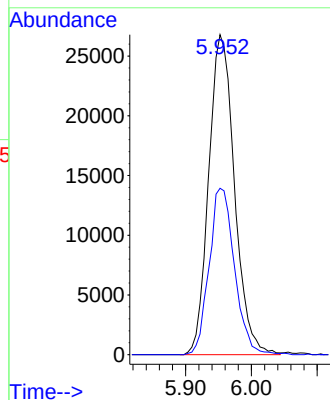
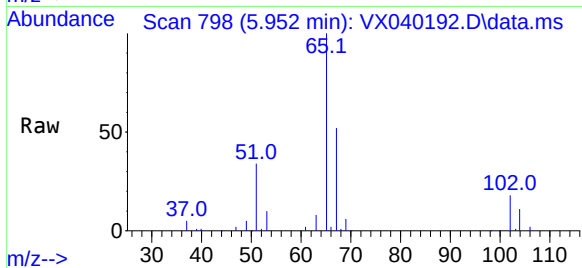
RE137-CARBON-20240205DL

Tgt Ion: 65 Resp: 73181

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040192.D

Acq: 12 Feb 2024 12:20

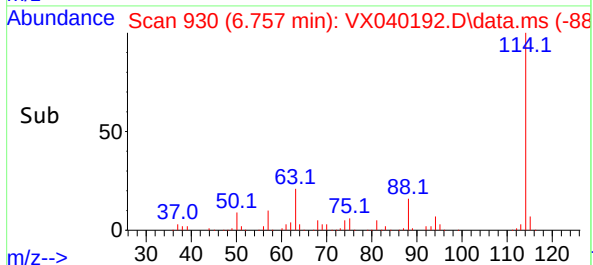
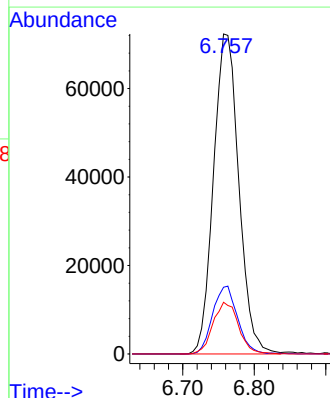
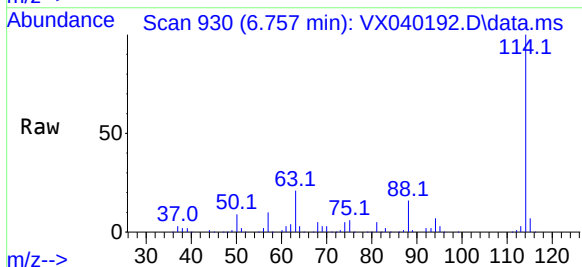
Tgt Ion: 114 Resp: 177733

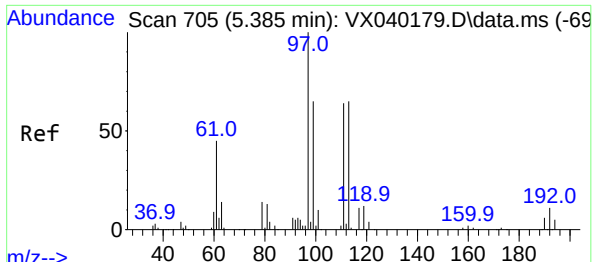
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 16.1 0.0 36.6

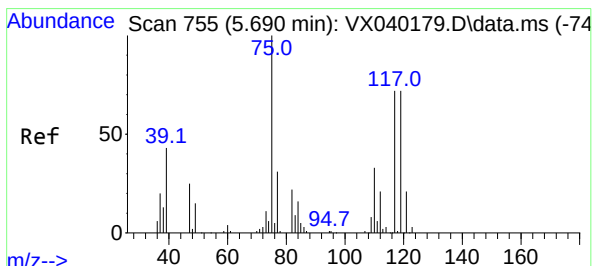
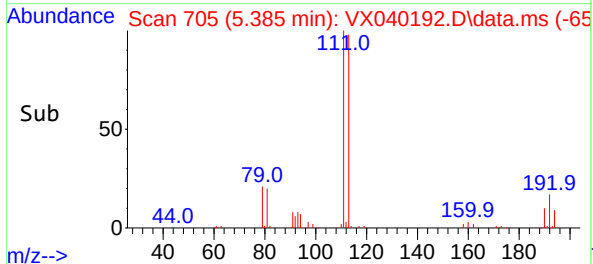
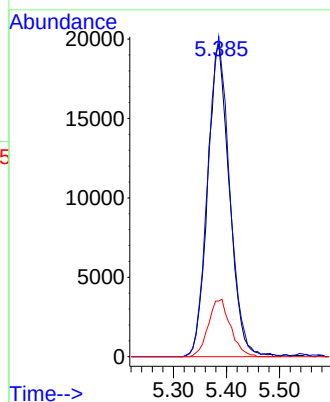
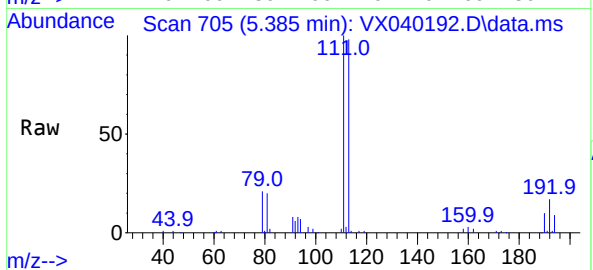




#35
Dibromofluoromethane
Concen: 45.181 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

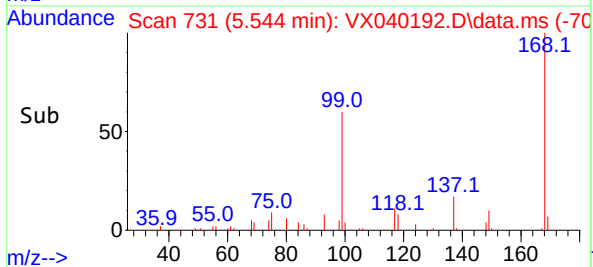
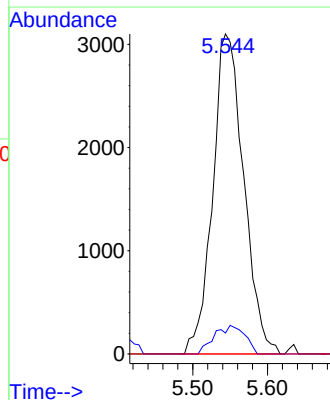
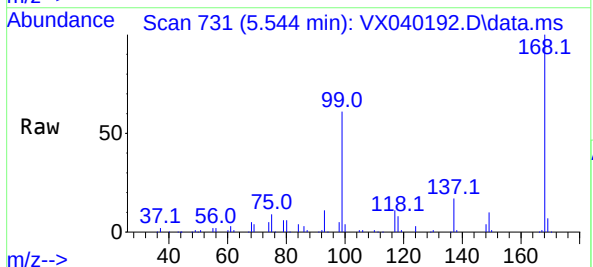
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

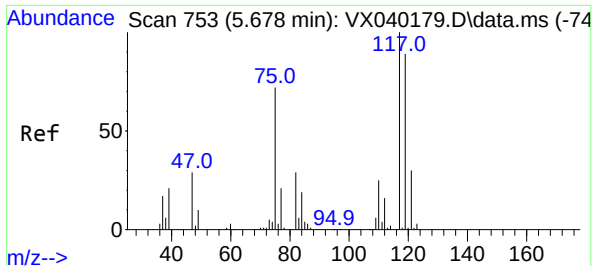
Tgt Ion:	113	Resp:	56078
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	18.7	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.141 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion:	75	Resp:	8939
Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.0	50.9#
77	0.0	24.7	37.1#

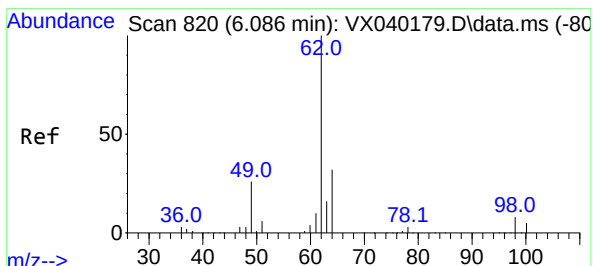
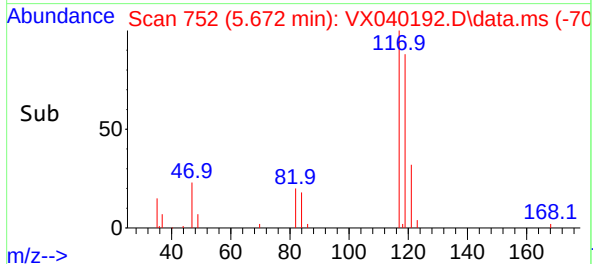
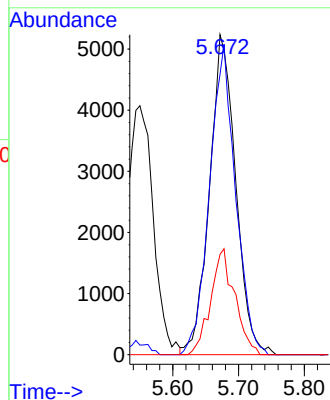
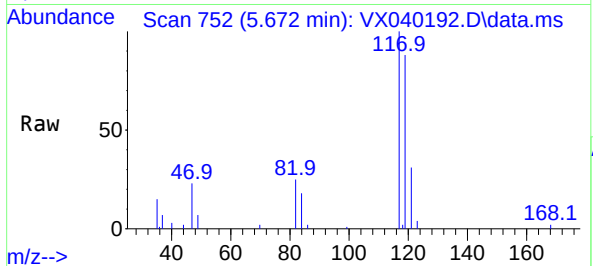




#38
Carbon Tetrachloride
Concen: 8.780 ug/l
RT: 5.672 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

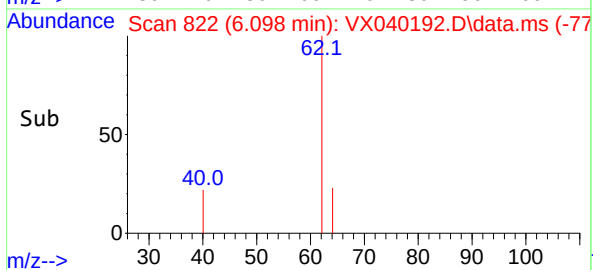
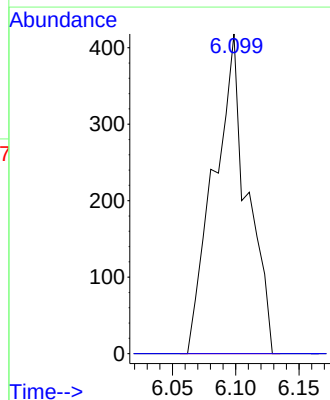
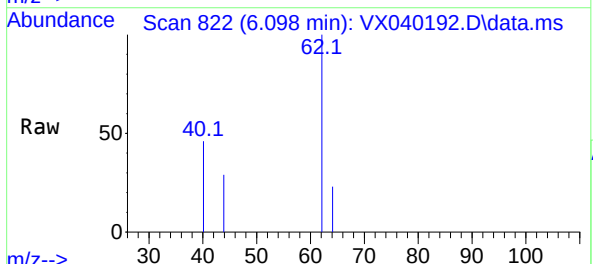
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

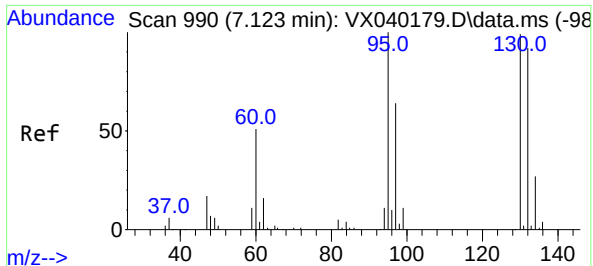
Tgt Ion:117 Resp: 14514
Ion Ratio Lower Upper
117 100
119 87.6 78.2 117.2
121 31.4 24.4 36.6



#42
1,2-Dichloroethane
Concen: 0.404 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 62 Resp: 767
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

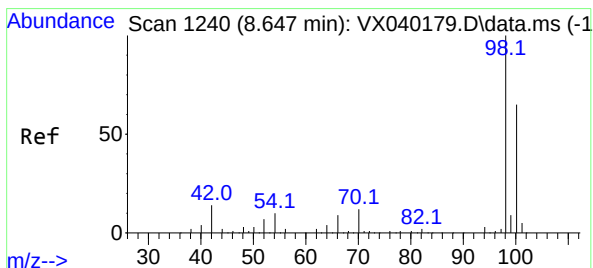
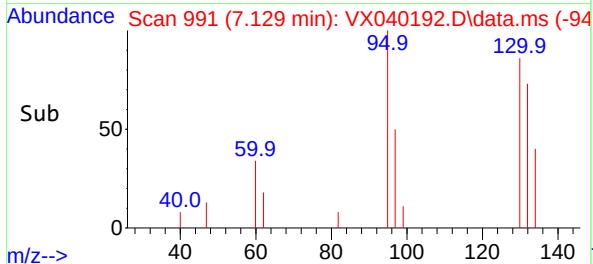
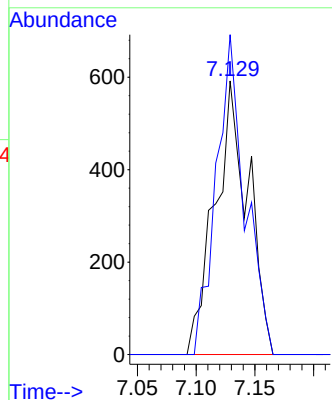
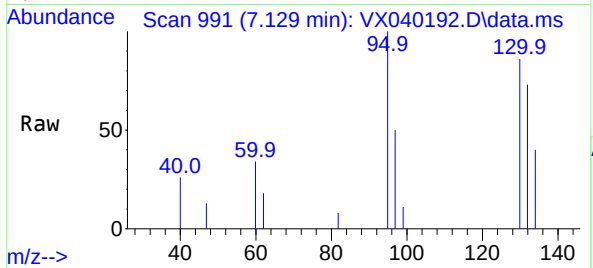




#44
Trichloroethene
Concen: 0.874 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

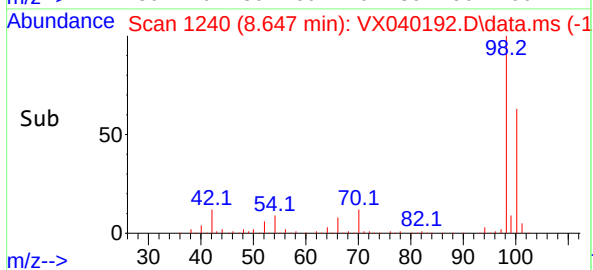
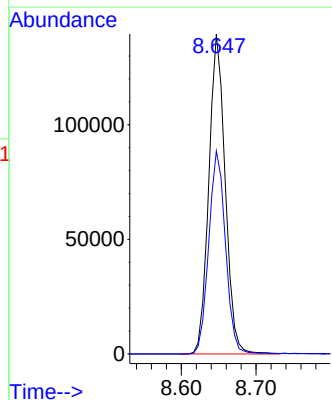
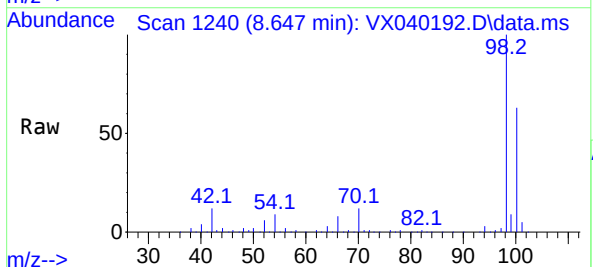
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

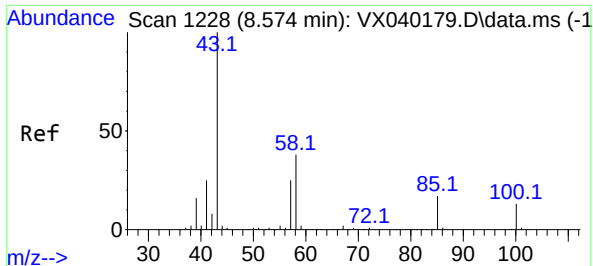
Tgt Ion:130 Resp: 1172
Ion Ratio Lower Upper
130 100
95 116.9 0.0 204.4



#50
Toluene-d8
Concen: 45.811 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 98 Resp: 212695
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7

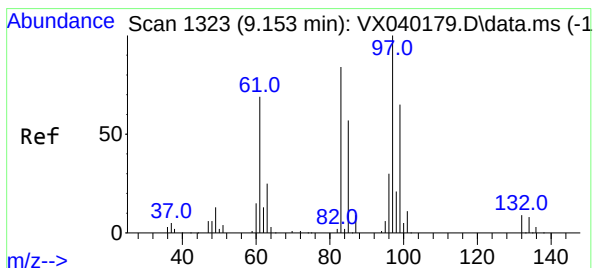
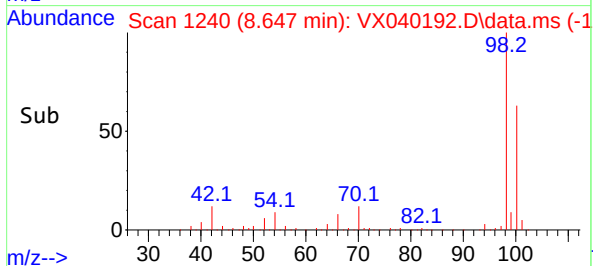
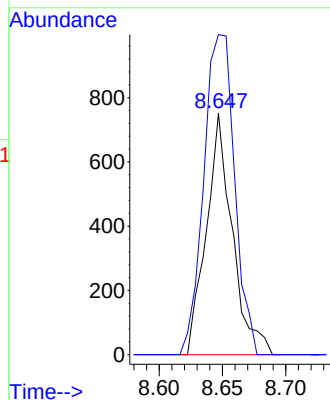
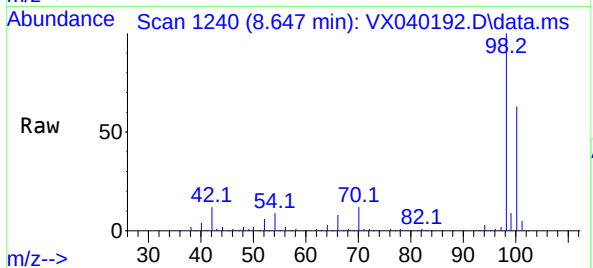




#51
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

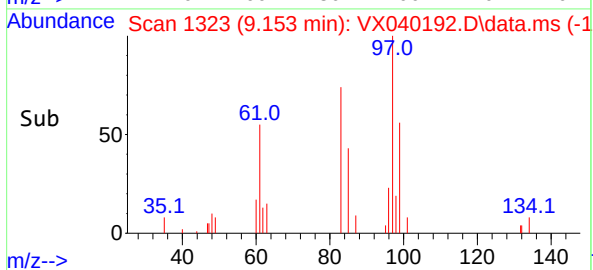
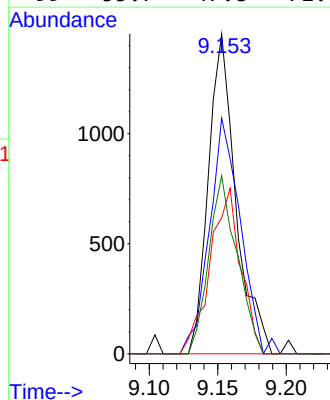
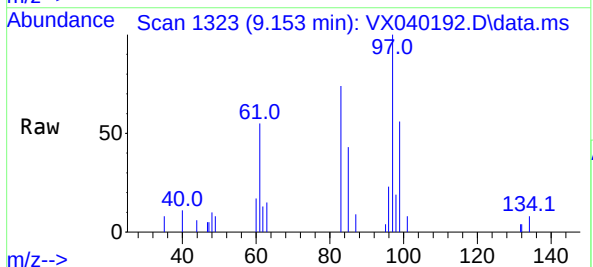
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

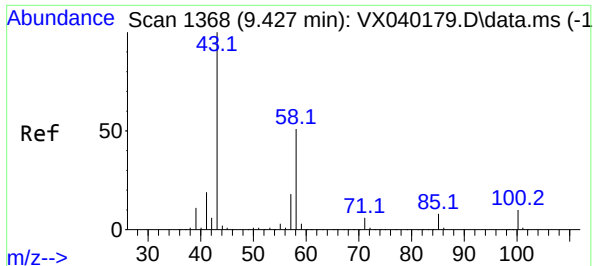
Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
58 157.5 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 1.490 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 97 Resp: 2024
Ion Ratio Lower Upper
97 100
83 73.7 65.8 98.8
85 42.5 41.6 62.4
99 55.7 47.8 71.8

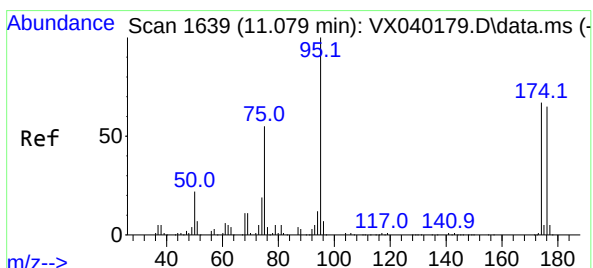
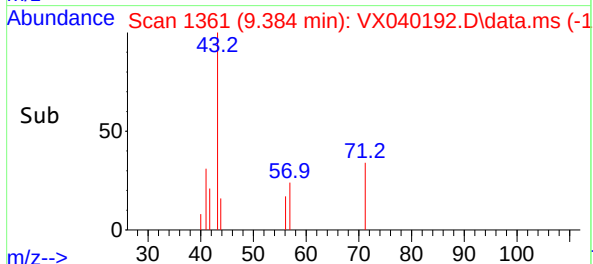
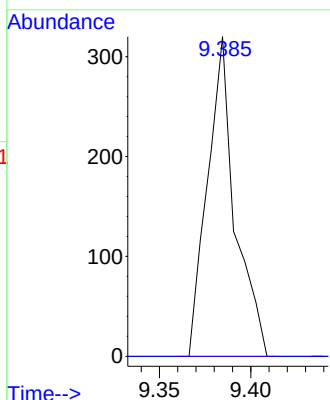
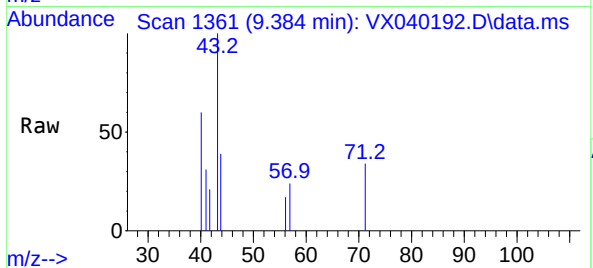




#59
2-Hexanone
Concen: 0.205 ug/l
RT: 9.384 min Scan# 11
Delta R.T. -0.043 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

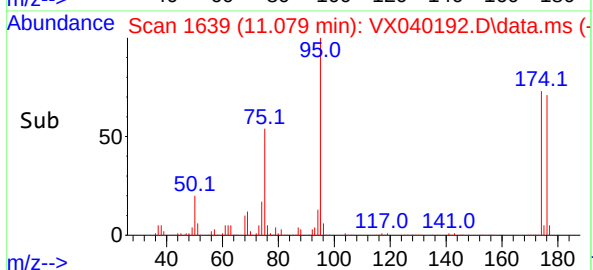
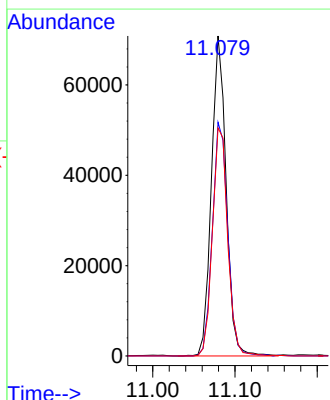
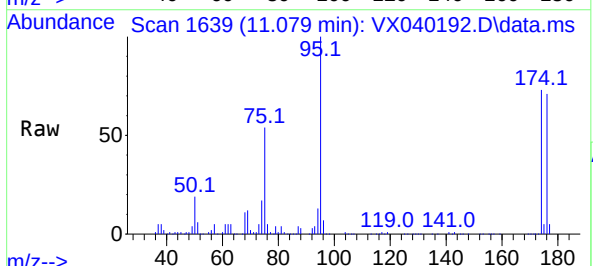
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

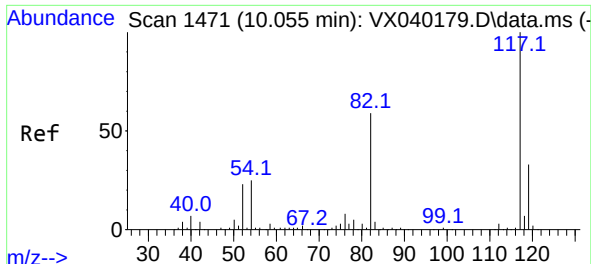
Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 46.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 95 Resp: 88193
Ion Ratio Lower Upper
95 100
174 76.0 0.0 135.6
176 74.0 0.0 131.0

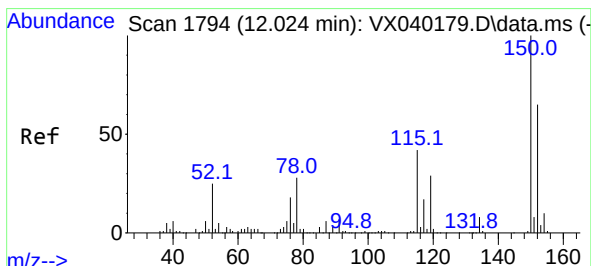
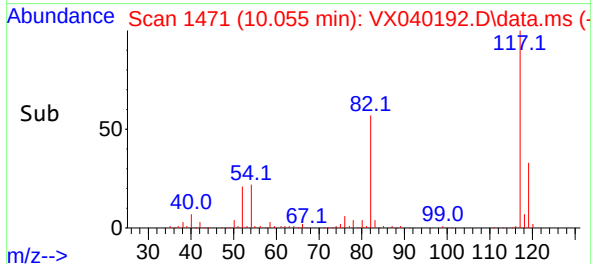
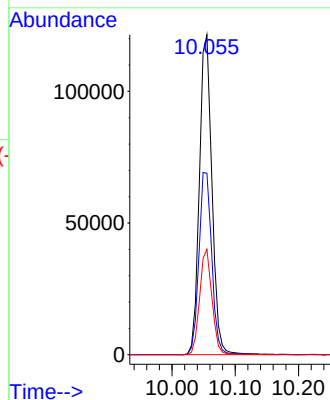
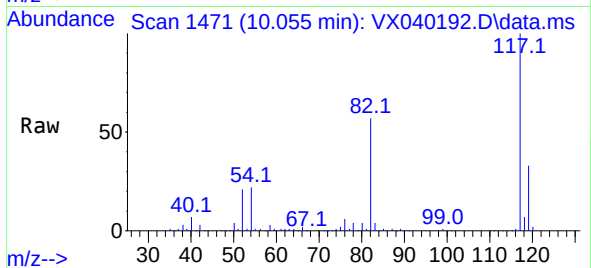




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

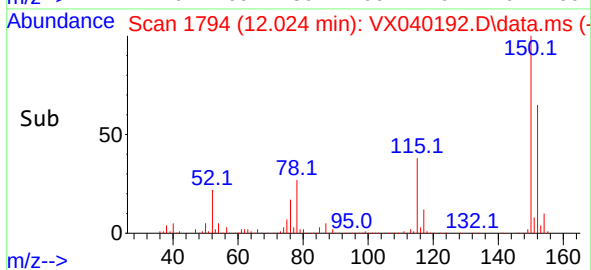
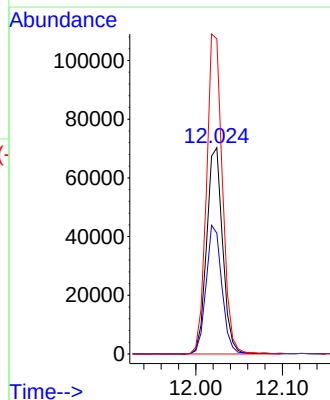
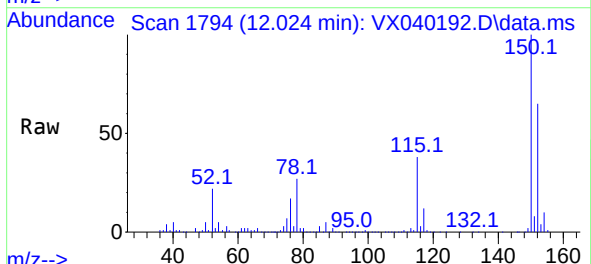
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

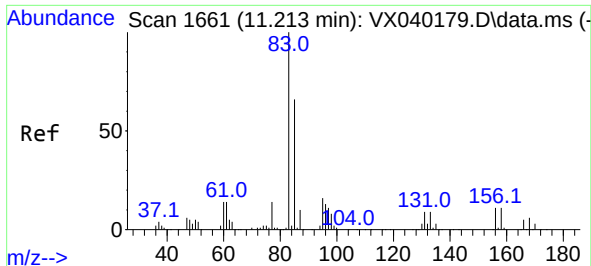
Tgt Ion:117 Resp: 168098
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion:152 Resp: 90009
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 154.6 0.0 345.0

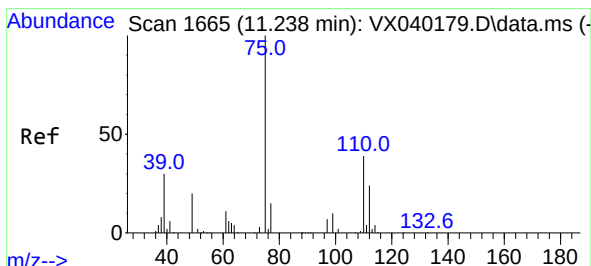
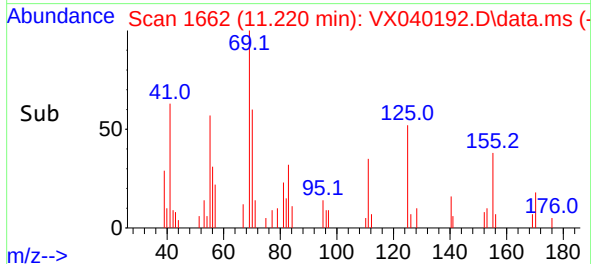
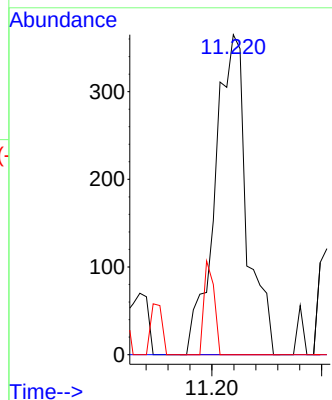
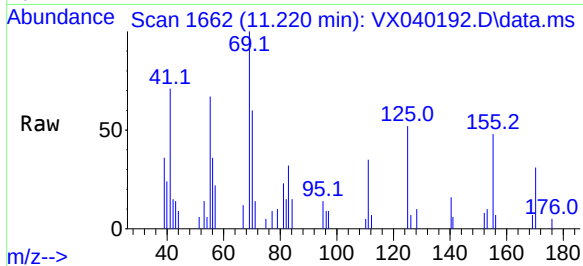




#75
1,1,2,2-Tetrachloroethane
Concen: 0.324 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

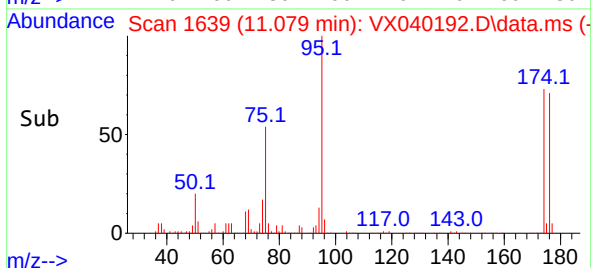
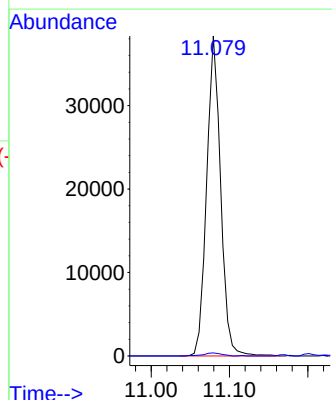
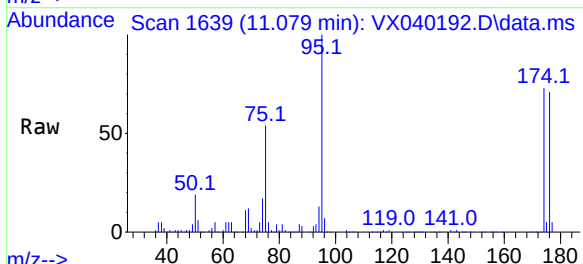
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

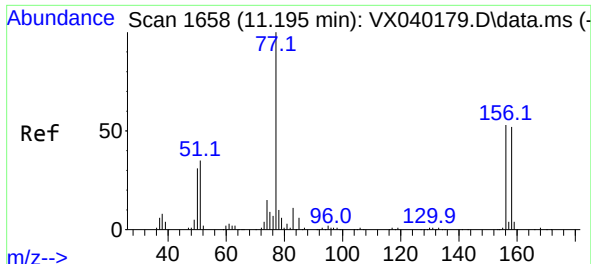
Tgt Ion: 83 Resp: 739
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.8#
85 0.0 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 25.998 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 75 Resp: 47387
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

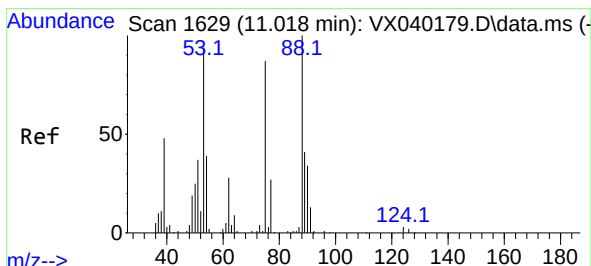
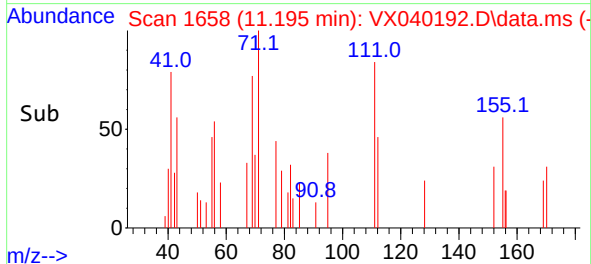
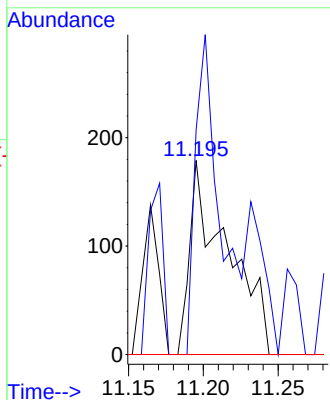
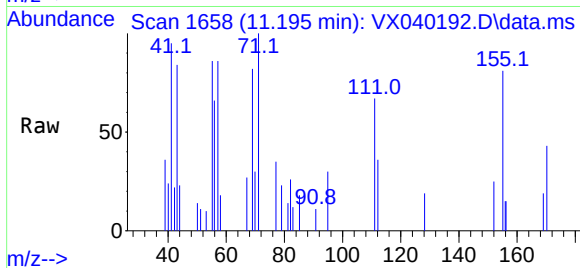




#77
Bromobenzene
Concen: 0.210 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

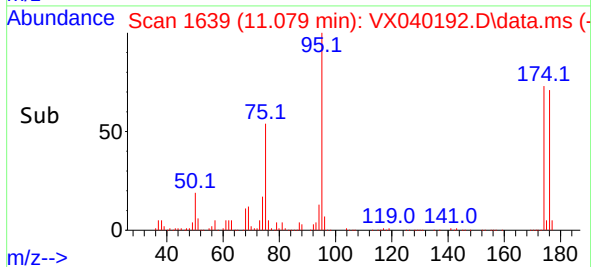
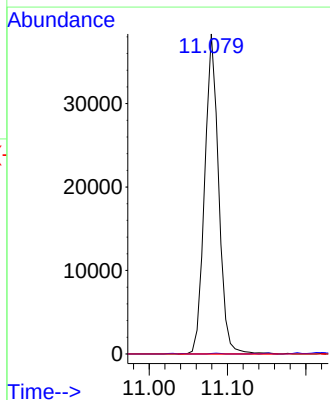
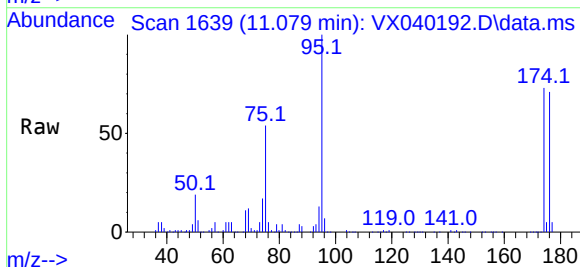
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20240205DL

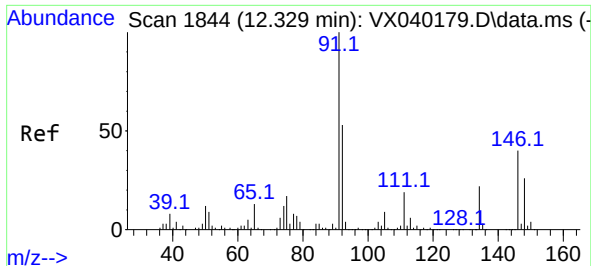
Tgt Ion:156 Resp: 315
Ion Ratio Lower Upper
156 100
77 106.3 88.4 265.3
158 0.0 48.0 144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.372 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040192.D
Acq: 12 Feb 2024 12:20

Tgt Ion: 75 Resp: 47387
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.335 ug/l

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040192.D

Acq: 12 Feb 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

RE137-CARBON-20240205DL

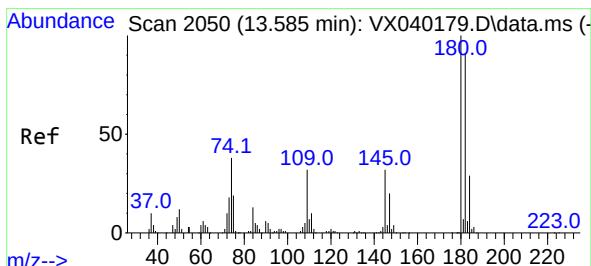
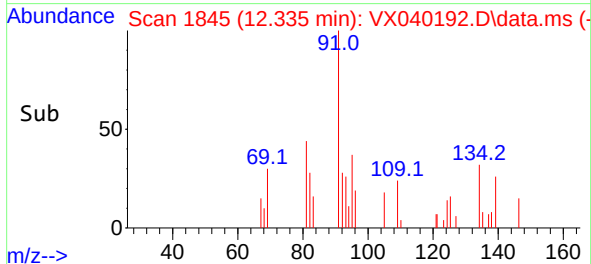
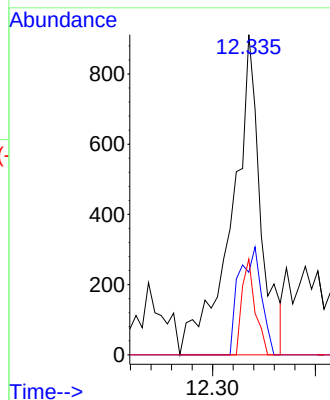
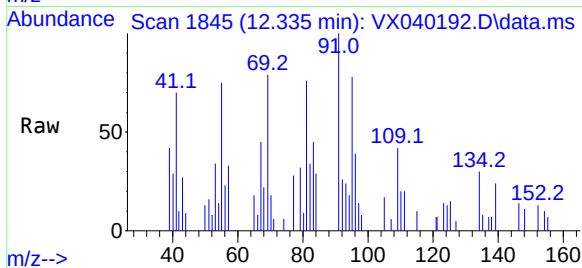
Tgt Ion: 91 Resp: 1784

Ion Ratio Lower Upper

91 100

92 25.8 27.4 82.0#

134 13.6 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.225 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX040192.D

Acq: 12 Feb 2024 12:20

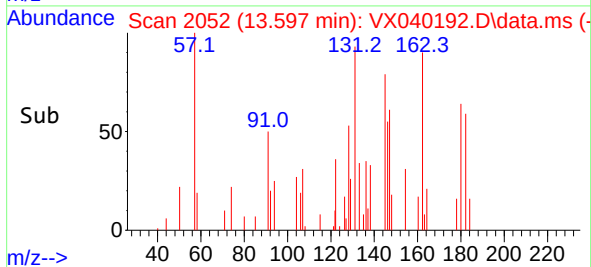
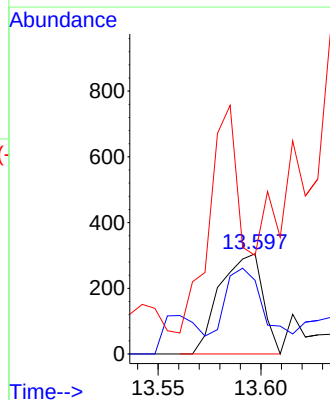
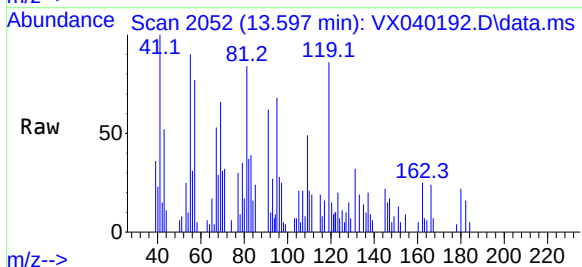
Tgt Ion:180 Resp: 442

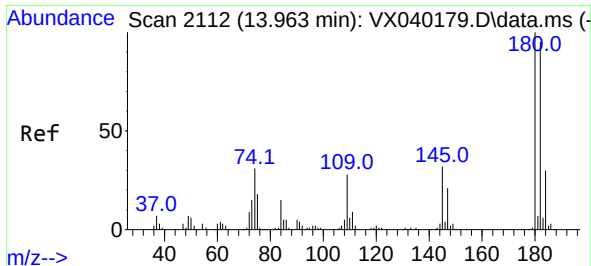
Ion Ratio Lower Upper

180 100

182 73.5 48.3 144.8

145 203.6 18.0 54.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.234 ug/l
 RT: 13.975 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX040192.D
 Acq: 12 Feb 2024 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 RE137-CARBON-20240205DL

Tgt Ion:180 Resp: 438
 Ion Ratio Lower Upper
 180 100
 182 41.8 46.9 140.6#
 145 973.5 17.8 53.5#

