

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021602.D
 Acq On : 30 Mar 2021 01:50
 Operator : JC/MD
 Sample : M1843-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE137-20210324

Quant Time: Mar 30 05:23:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

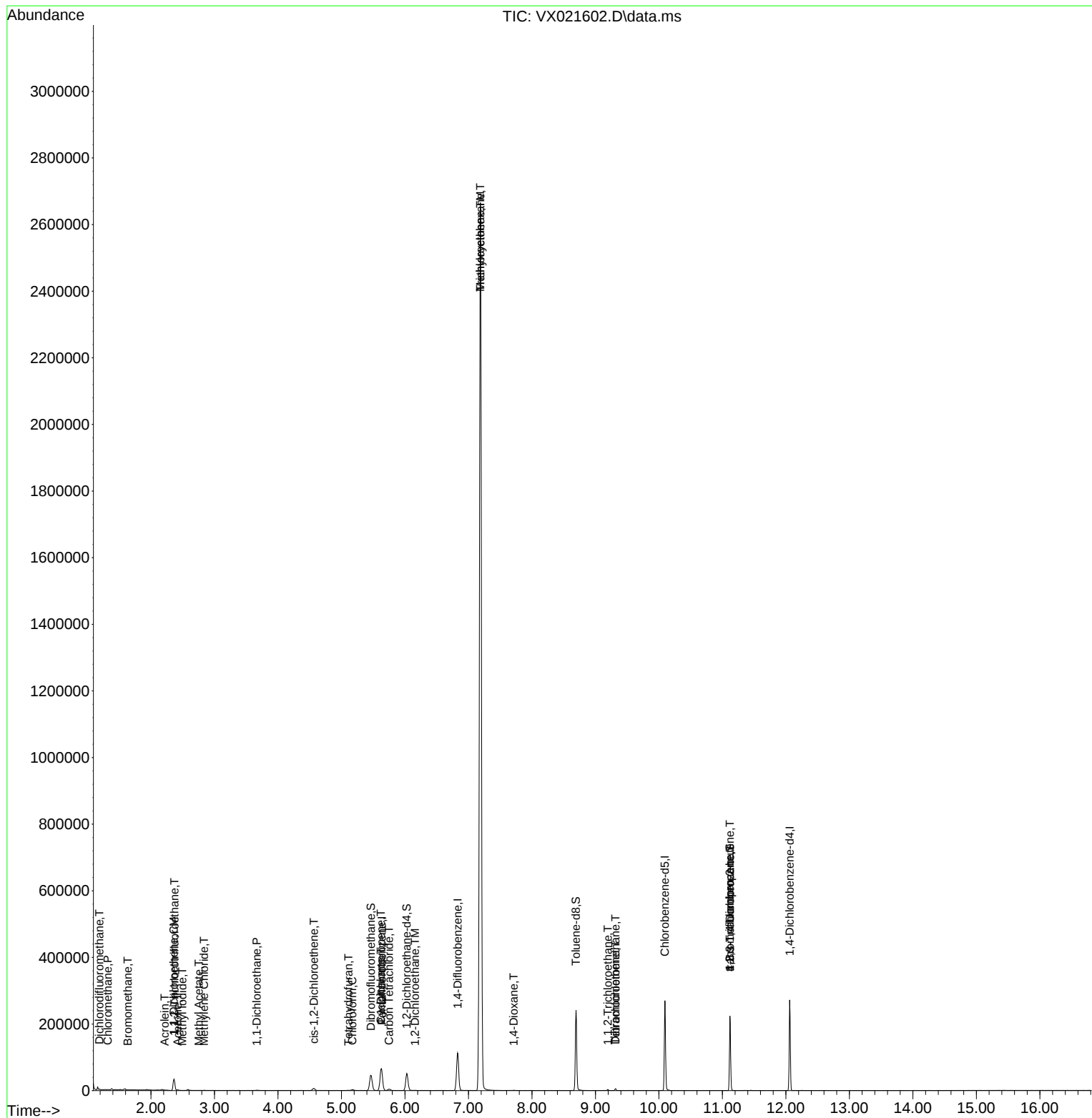
Internal Standards						
1) Pentafluorobenzene	5.635	168	58709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	105738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	111034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50197	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	49936	51.12	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.24%			
35) Dibromofluoromethane	5.464	113	38599	51.39	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.78%			
50) Toluene-d8	8.694	98	134977	50.43	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.86%			
62) 4-Bromofluorobenzene	11.118	95	56124	53.93	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.86%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	576	0.89	ug/l	94
3) Chloromethane	1.317	50	1703	2.34	ug/l	95
5) Bromomethane	1.634	94	74	0.28	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.370	101	10482	17.35	ug/l	96
10) Methyl Iodide	2.493	142	18	6.68	ug/l #	42
12) 1,1-Dichloroethene	2.358	96	2965	5.01	ug/l	92
13) Acrolein	2.217	56	18	4.51	ug/l #	14
16) Acetone	2.417	43	1678	4.54	ug/l #	81
18) Methyl Acetate	2.752	43	293	0.27	ug/l #	47
20) Methylene Chloride	2.834	84	223	0.31	ug/l #	84
24) 1,1-Dichloroethane	3.664	63	1112	0.88	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	3882	5.14	ug/l	94
29) Tetrahydrofuran	5.111	42	350	0.96	ug/l #	27
30) Chloroform	5.170	83	2691	2.03	ug/l	93
31) Cyclohexane	5.623	56	1633	1.52	ug/l #	33
36) 1,1-Dichloropropene	5.623	75	5197	5.02	ug/l #	48
38) Carbon Tetrachloride	5.747	117	3436	3.09	ug/l	89
39) Methylcyclohexane	7.188	83	12575	10.95	ug/l #	1
42) 1,2-Dichloroethane	6.158	62	454	0.36	ug/l #	73
44) Trichloroethene	7.188	130	943586	1215.37	ug/l	94
49) 1,4-Dioxane	7.712	88	430	23.15	ug/l	92
55) 1,1,2-Trichloroethane	9.194	97	659	0.86	ug/l #	91
60) Dibromochloromethane	9.318	129	842	0.98	ug/l #	11
64) Tetrachloroethene	9.318	164	908	1.22	ug/l	93
76) 1,2,3-Trichloropropane	11.118	75	31264	26.75	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31264	81.49	ug/l #	12

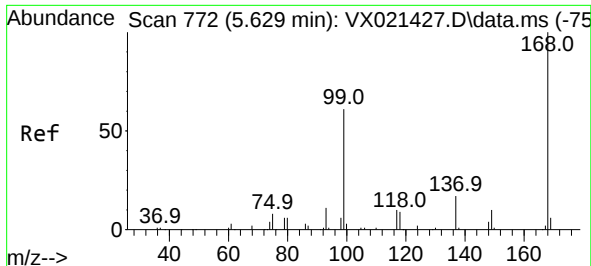
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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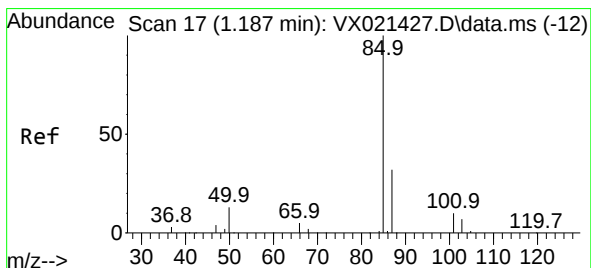
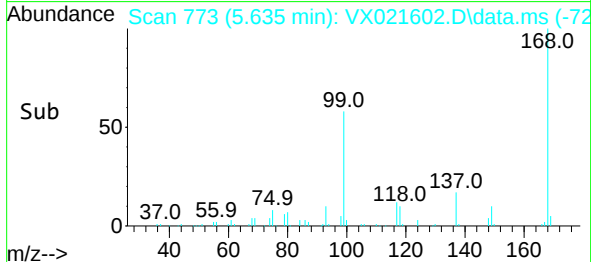
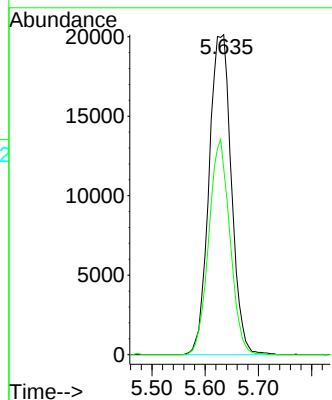
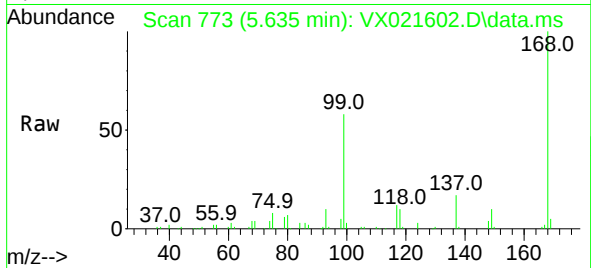




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

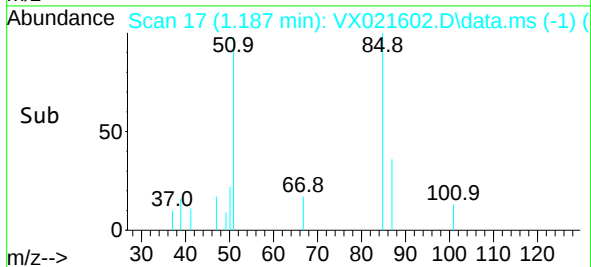
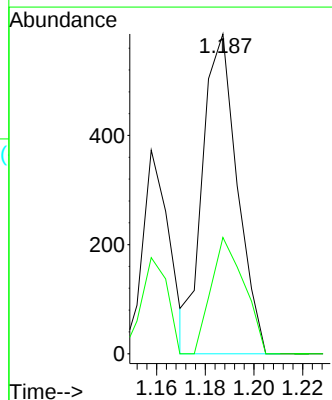
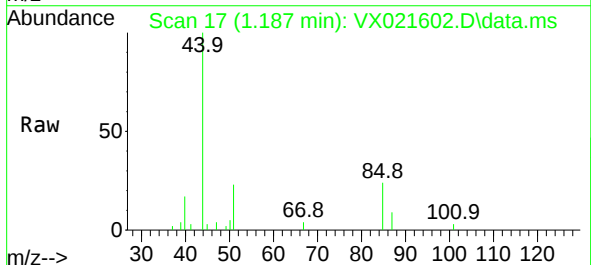
Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

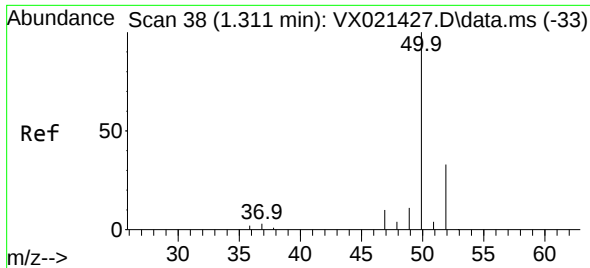
Tgt Ion:168 Resp: 58709
Ion Ratio Lower Upper
168 100
99 58.2 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.89 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion: 85 Resp: 576
Ion Ratio Lower Upper
85 100
87 36.3 16.4 49.2

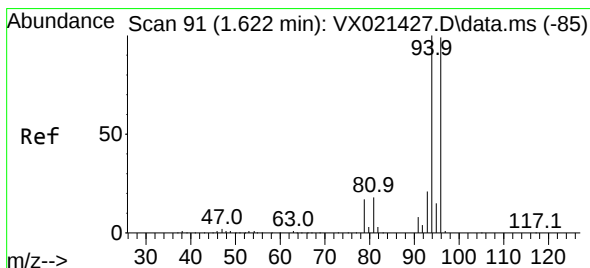
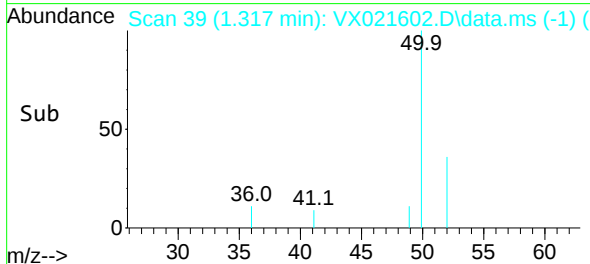
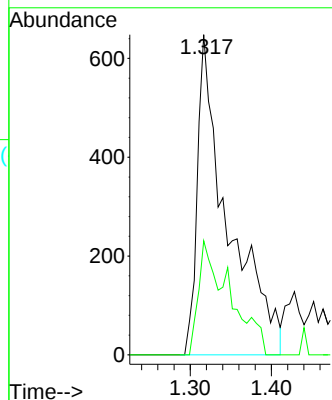
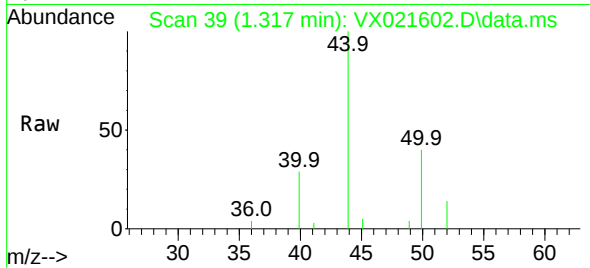




#3
Chloromethane
Concen: 2.34 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

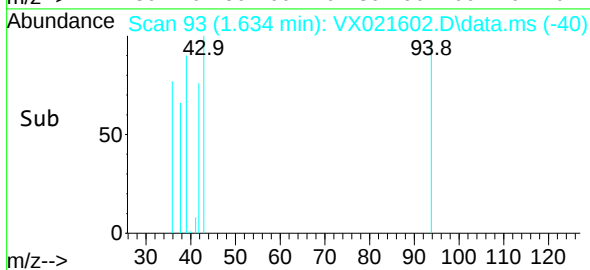
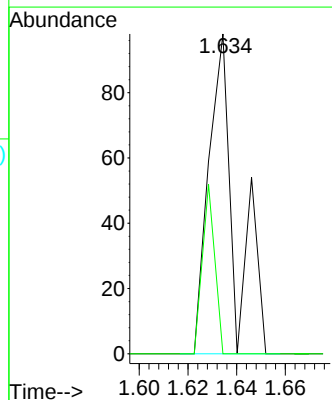
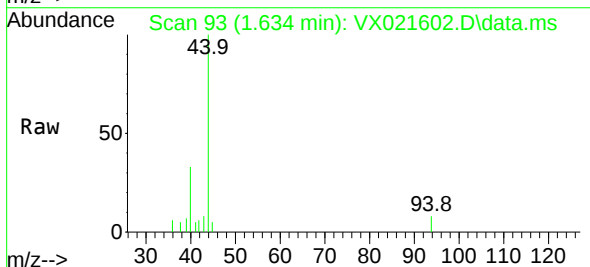
Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

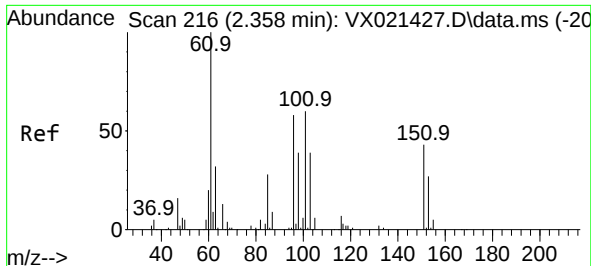
Tgt Ion: 50 Resp: 1703
Ion Ratio Lower Upper
50 100
52 35.6 26.4 39.6



#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

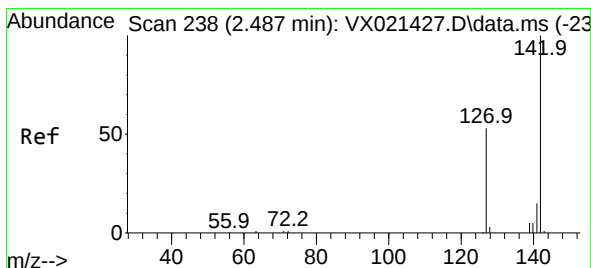
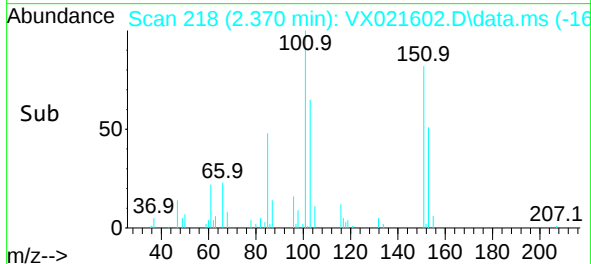
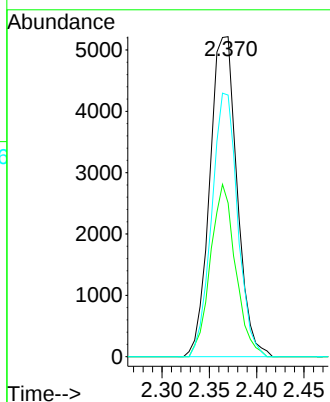
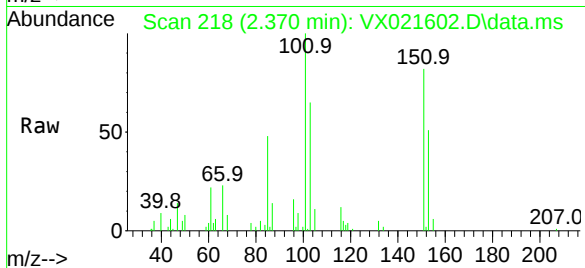




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.35 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

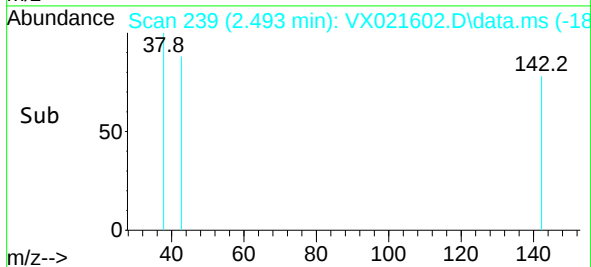
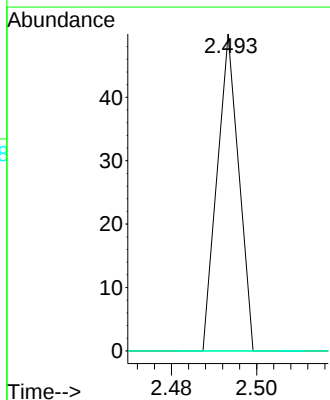
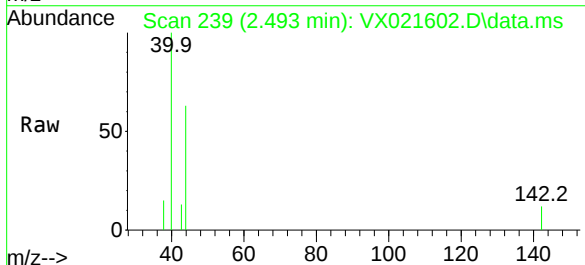
Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

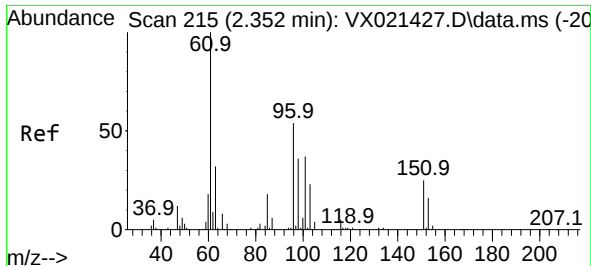
Tgt Ion:101 Resp: 10482
Ion Ratio Lower Upper
101 100
85 49.4 34.9 52.3
151 78.0 61.4 92.2



#10
Methyl Iodide
Concen: 6.68 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion:142 Resp: 18
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#





#12

1,1-Dichloroethene

Concen: 5.01 ug/l

RT: 2.358 min Scan# 216

Delta R.T. 0.006 min

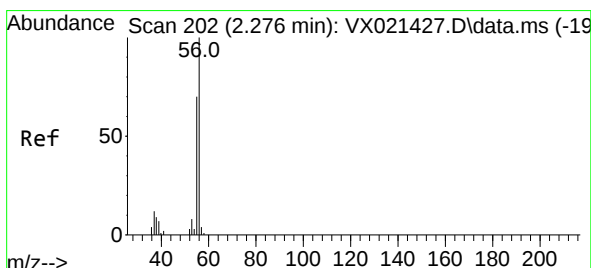
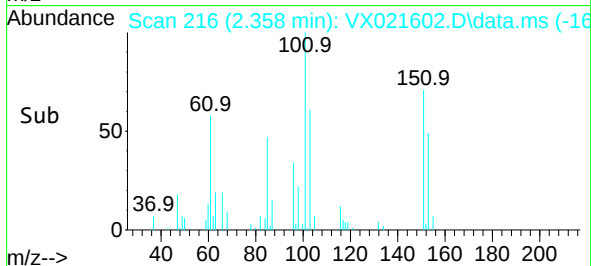
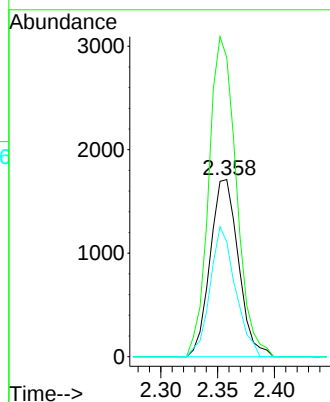
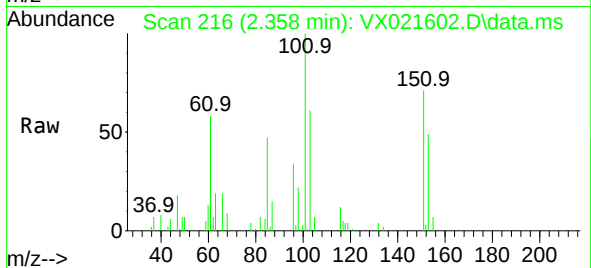
Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 96 Resp: 2965

Ion	Ratio	Lower	Upper
96	100		
61	169.0	124.6	187.0
98	64.9	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324



#13

Acrolein

Concen: 4.51 ug/l

RT: 2.217 min Scan# 192

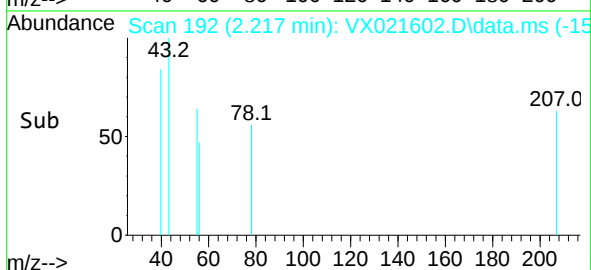
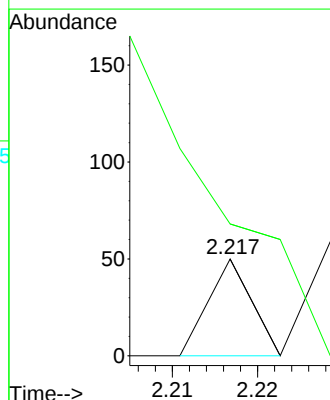
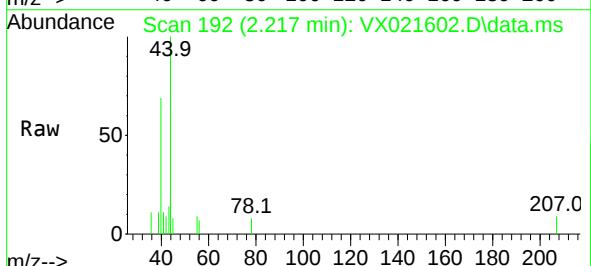
Delta R.T. -0.059 min

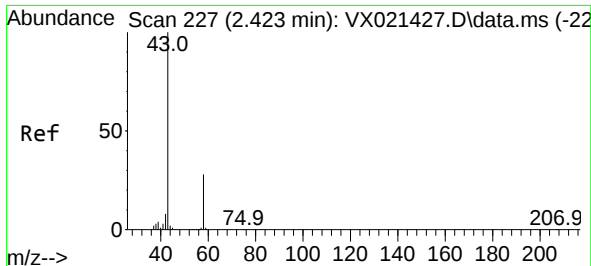
Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 56 Resp: 18

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.4	84.6#

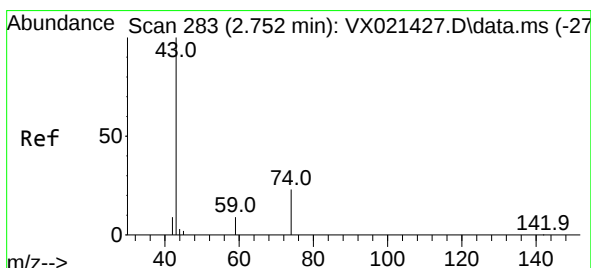
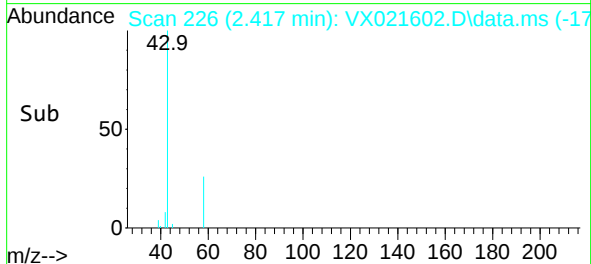
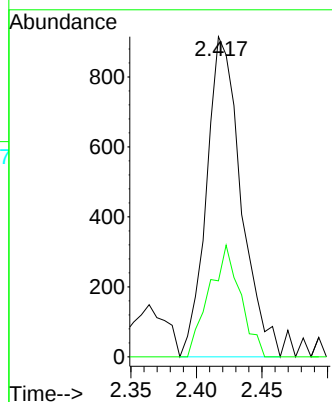
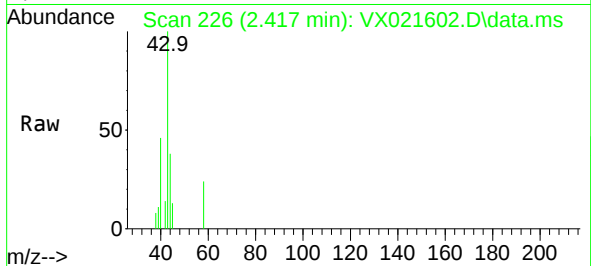




#16
Acetone
Concen: 4.54 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

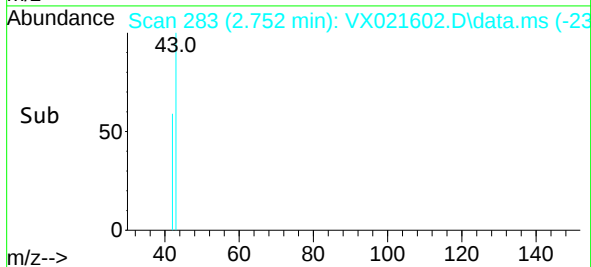
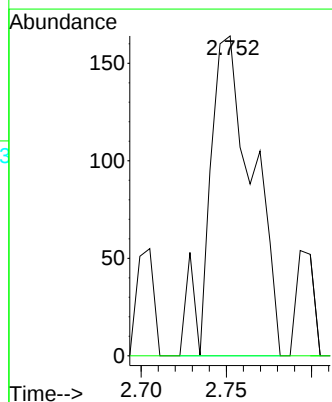
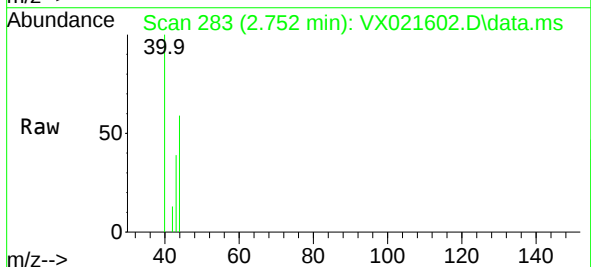
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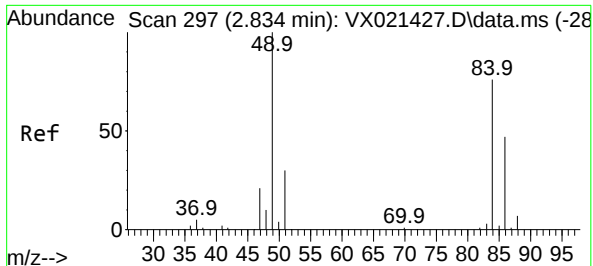
Tgt Ion: 43 Resp: 1678
Ion Ratio Lower Upper
43 100
58 23.7 27.8 41.8#



#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.31 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 84 Resp: 223

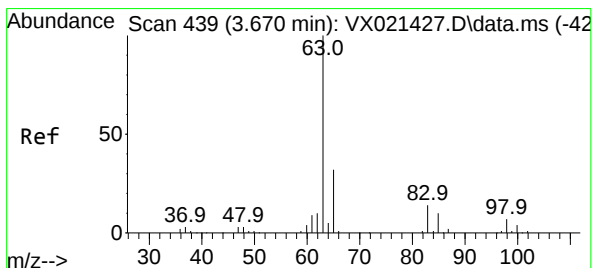
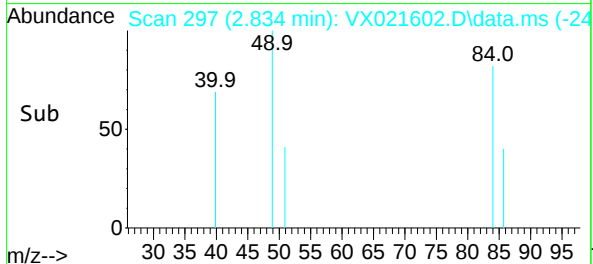
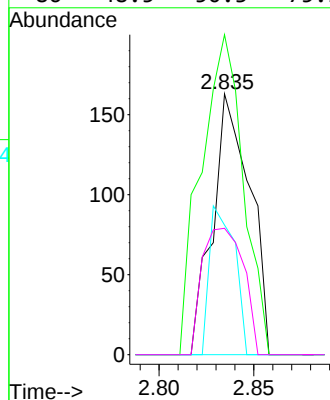
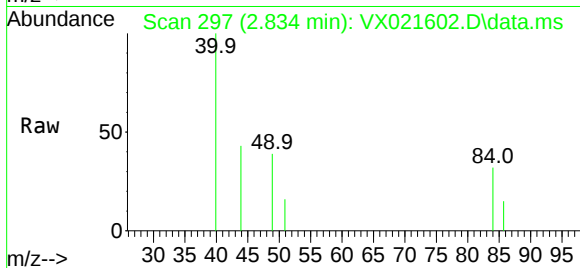
Ion Ratio Lower Upper

84 100

49 122.7 88.6 132.8

51 49.7 27.0 40.6#

86 48.5 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 0.88 ug/l

RT: 3.664 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

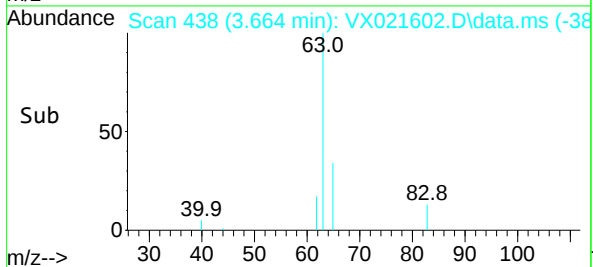
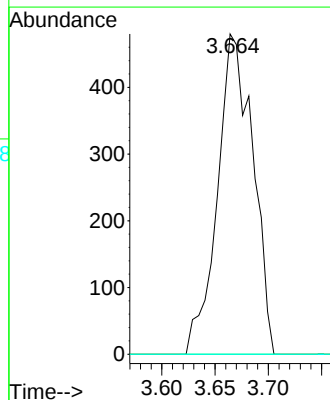
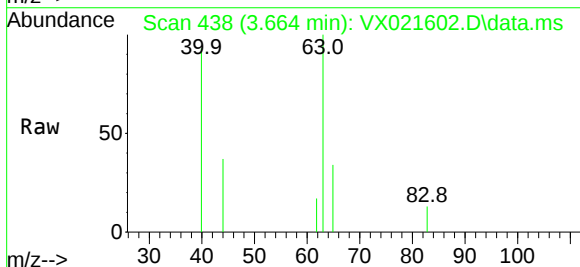
Tgt Ion: 63 Resp: 1112

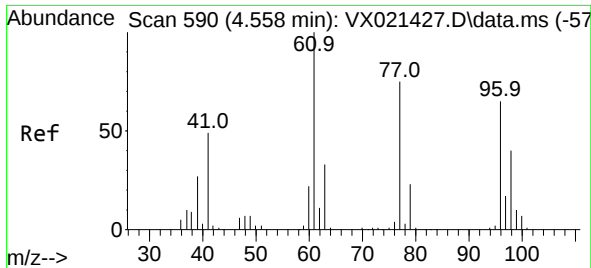
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 5.14 ug/l

RT: 4.564 min Scan# 591

Delta R.T. 0.006 min

Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 96 Resp: 3882

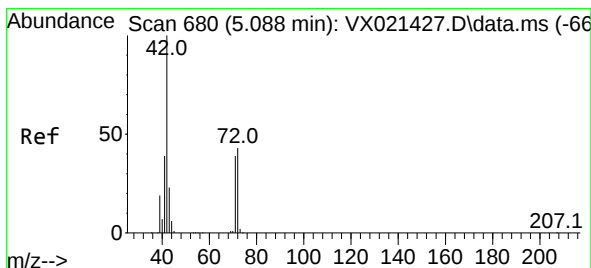
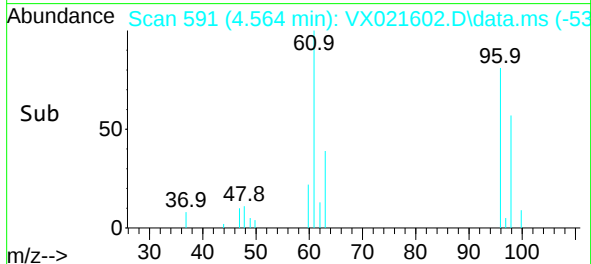
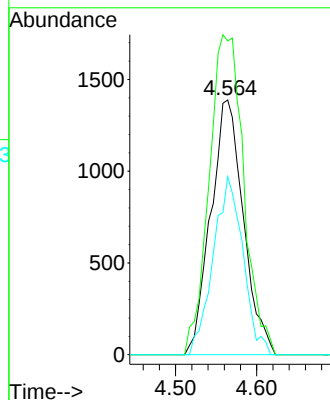
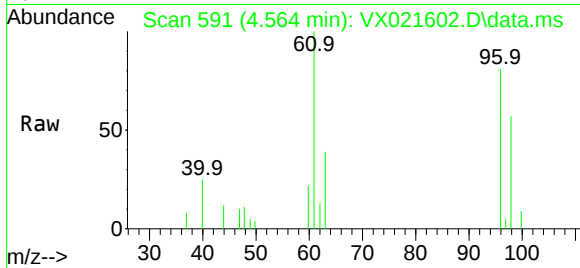
Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	285.6
98	63.6	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE137-20210324



#29

Tetrahydrofuran

Concen: 0.96 ug/l

RT: 5.111 min Scan# 684

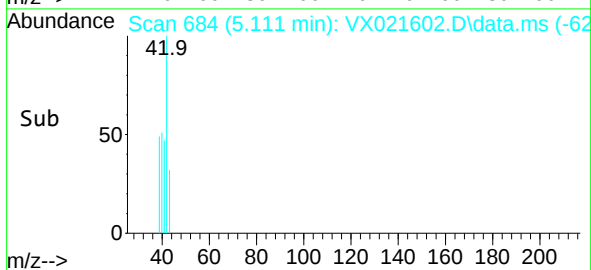
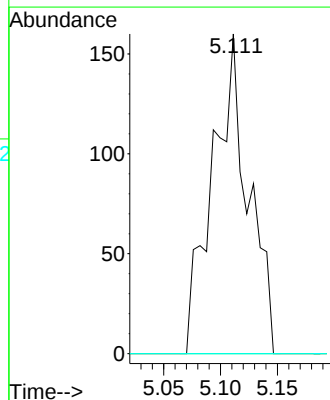
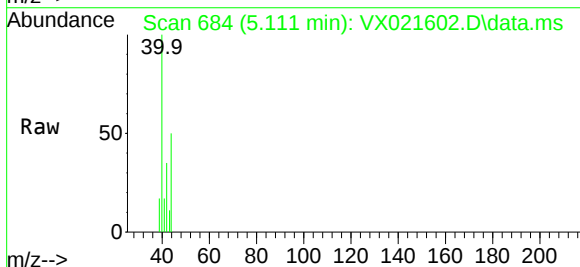
Delta R.T. 0.023 min

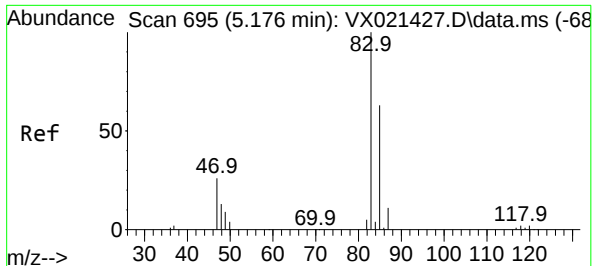
Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 42 Resp: 350

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 2.03 ug/l

RT: 5.170 min Scan# 694

Delta R.T. -0.006 min

Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 83 Resp: 2691

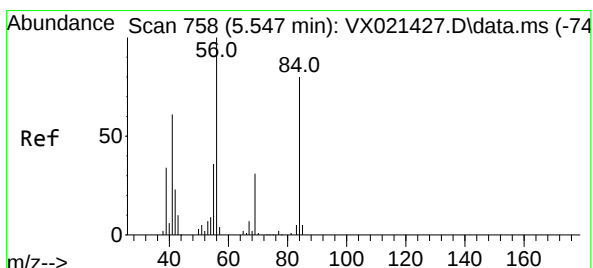
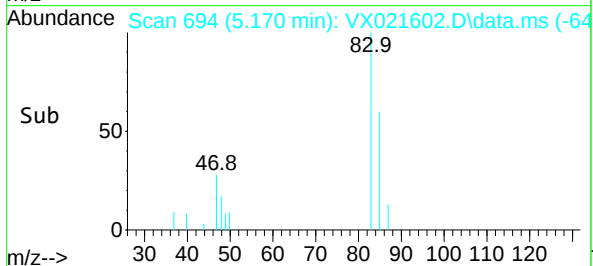
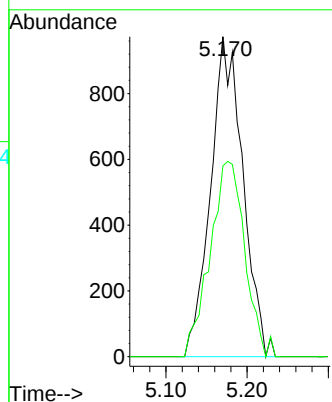
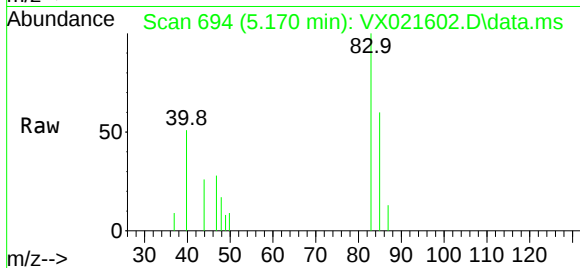
Ion	Ratio	Lower	Upper
83	100		
85	59.6	52.0	78.0

Instrument :

MSVOA_X

ClientSampleId :

RE137-20210324



#31

Cyclohexane

Concen: 1.52 ug/l

RT: 5.623 min Scan# 771

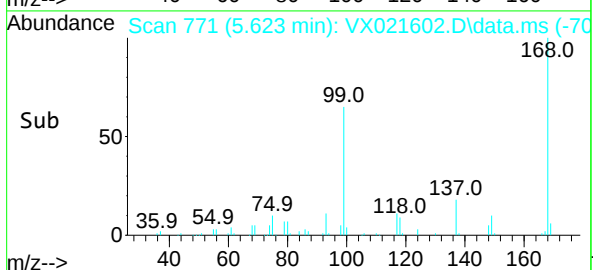
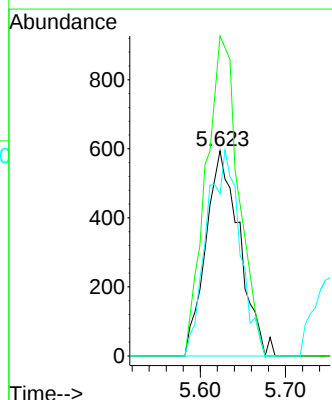
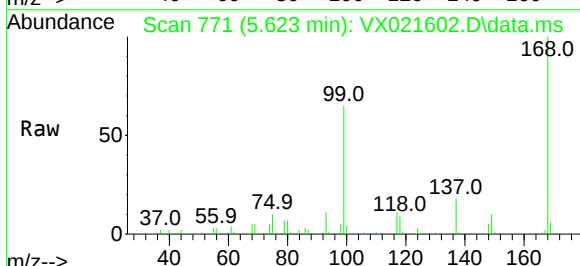
Delta R.T. 0.076 min

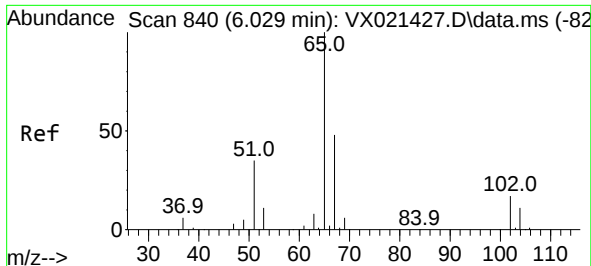
Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 56 Resp: 1633

Ion	Ratio	Lower	Upper
56	100		
69	156.1	25.3	37.9#
84	79.1	71.4	107.0

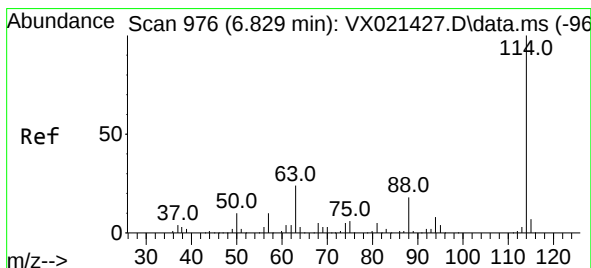
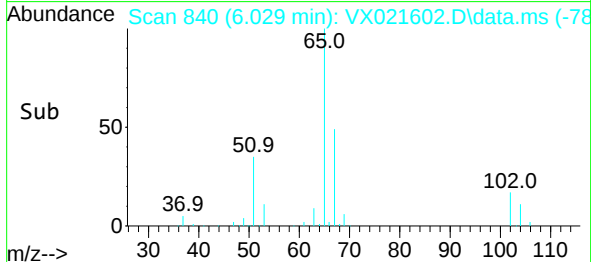
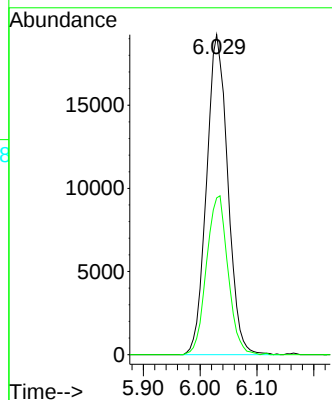
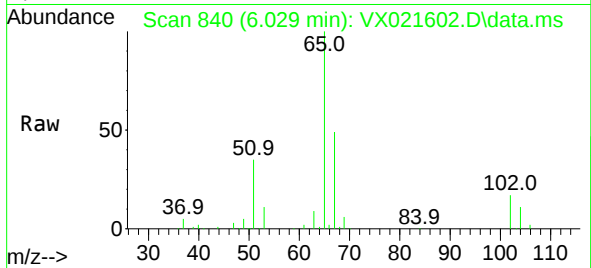




#33
1,2-Dichloroethane-d4
Concen: 51.12 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

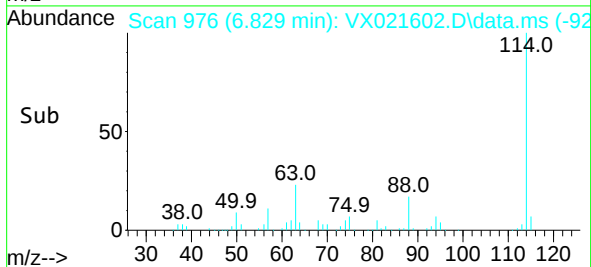
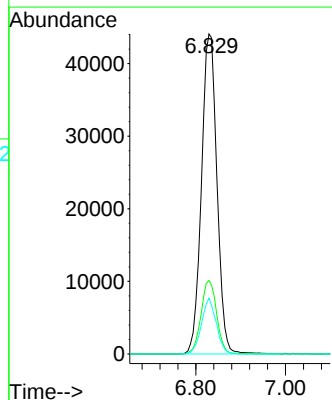
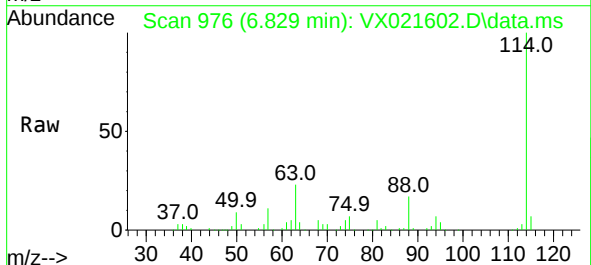
Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

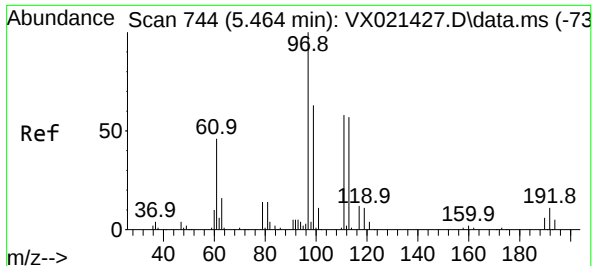
Tgt Ion: 65 Resp: 49936
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion: 114 Resp: 105738
Ion Ratio Lower Upper
114 100
63 23.0 0.0 40.8
88 17.4 0.0 32.8

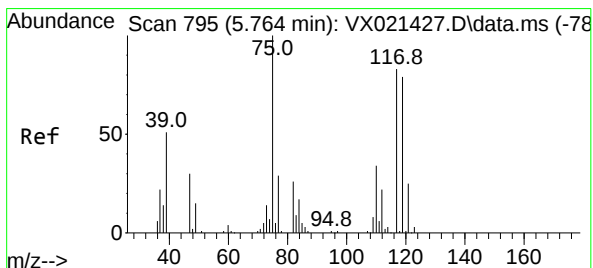
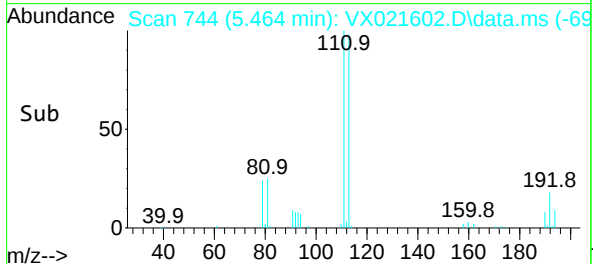
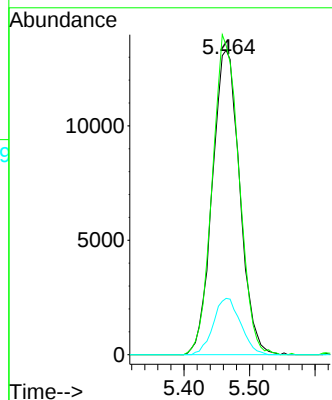
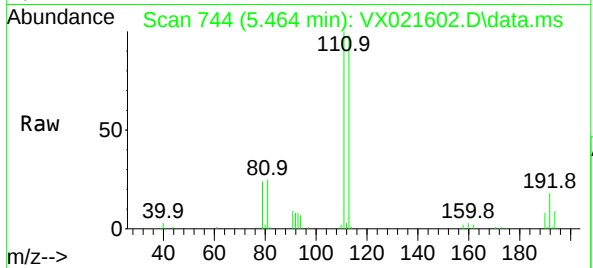




#35
Dibromofluoromethane
Concen: 51.39 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

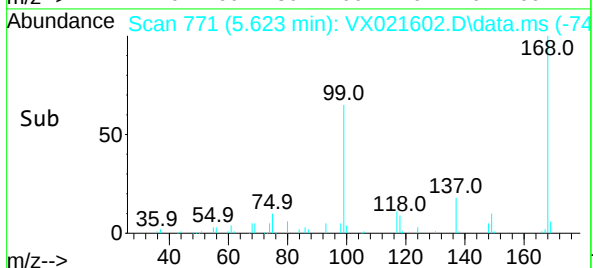
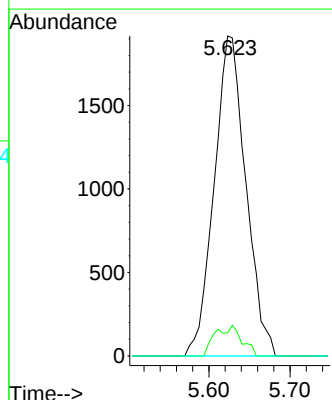
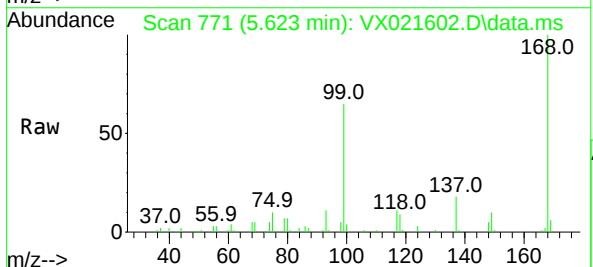
Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

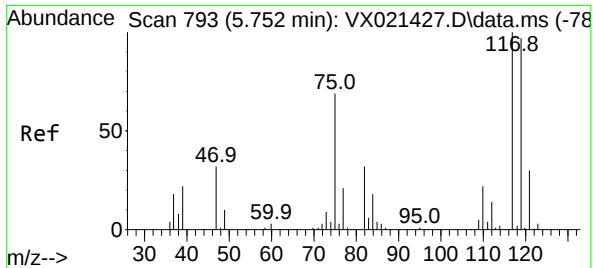
Tgt Ion:113 Resp: 38599
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 18.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion: 75 Resp: 5197
Ion Ratio Lower Upper
75 100
110 8.0 18.1 54.4#
77 0.0 25.3 37.9#

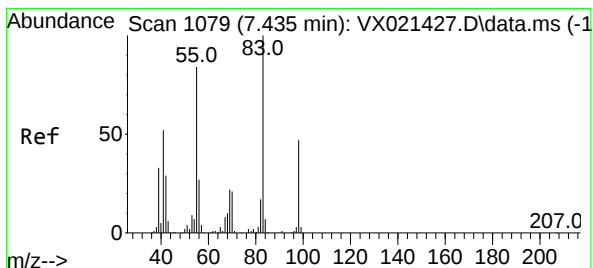
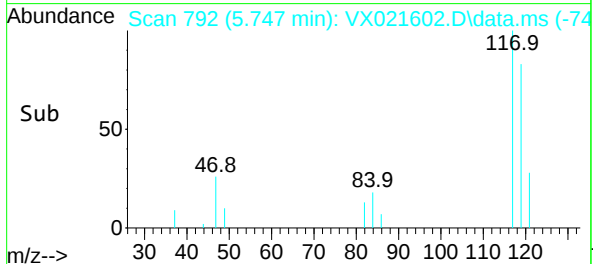
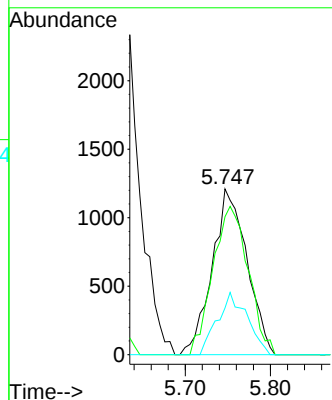
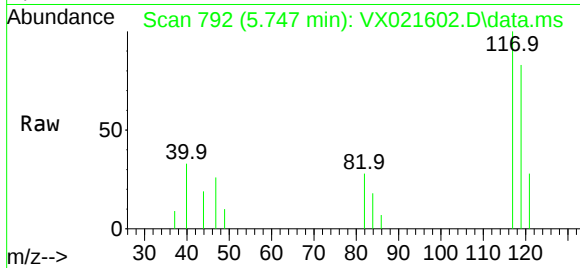




#38
Carbon Tetrachloride
Concen: 3.09 ug/l
RT: 5.747 min Scan# 792
Delta R.T. -0.005 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

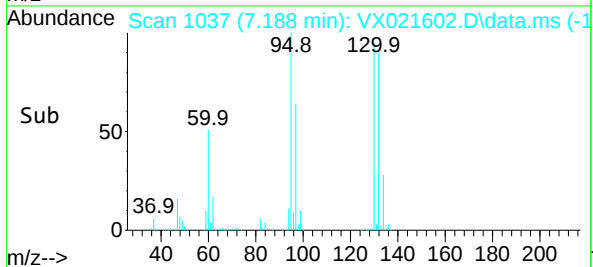
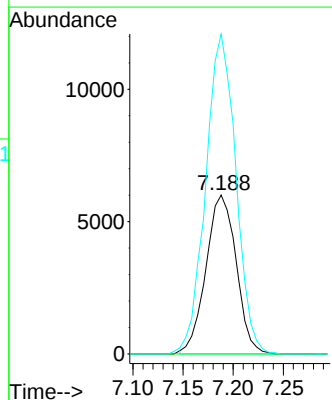
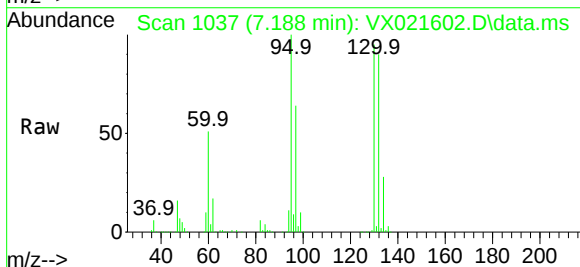
Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

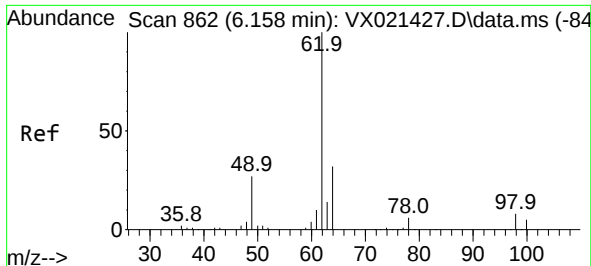
Tgt Ion:117 Resp: 3436
Ion Ratio Lower Upper
117 100
119 83.2 76.2 114.2
121 28.2 24.8 37.2



#39
Methylcyclohexane
Concen: 10.95 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion: 83 Resp: 12575
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 201.5 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.36 ug/l

RT: 6.158 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 62 Resp: 454

Ion Ratio Lower Upper

62 100

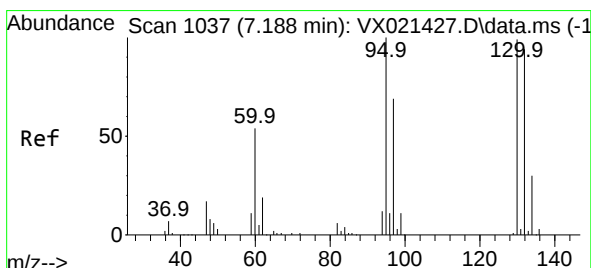
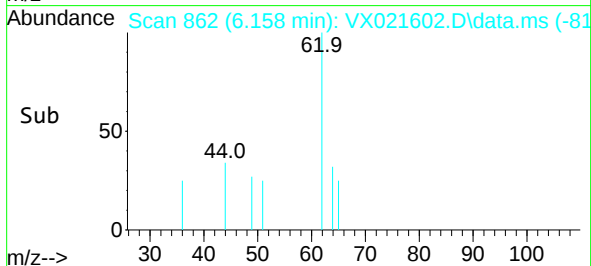
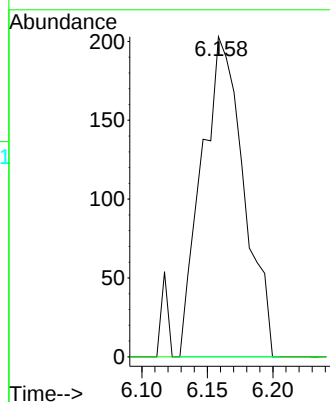
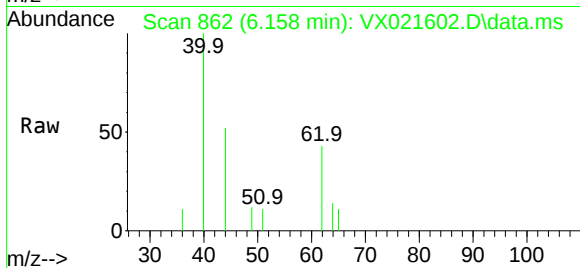
98 0.0 0.0 20.2

Instrument :

MSVOA_X

ClientSampleId :

RE137-20210324



#44

Trichloroethene

Concen: 1215.37 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021602.D

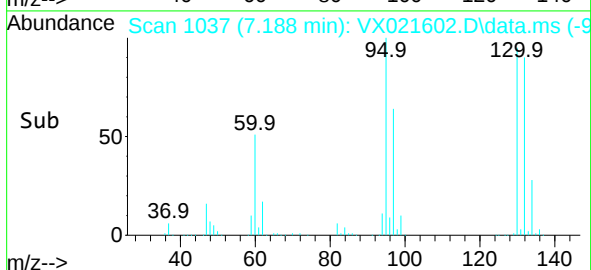
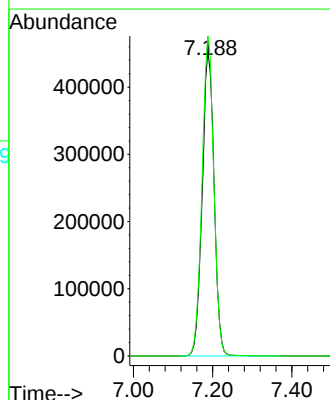
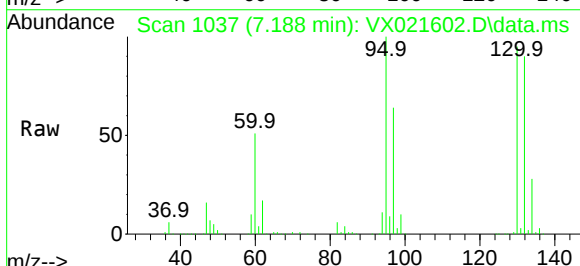
Acq: 30 Mar 2021 01:50

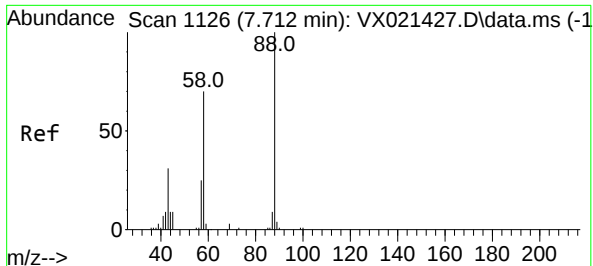
Tgt Ion:130 Resp: 943586

Ion Ratio Lower Upper

130 100

95 105.0 0.0 198.0





#49

1,4-Dioxane

Concen: 23.15 ug/l

RT: 7.712 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Tgt Ion: 88 Resp: 430

Ion Ratio Lower Upper

88 100

43 31.9 23.2 34.8

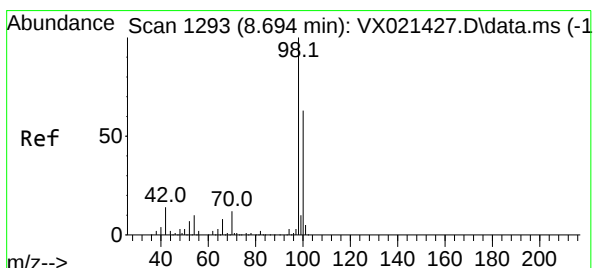
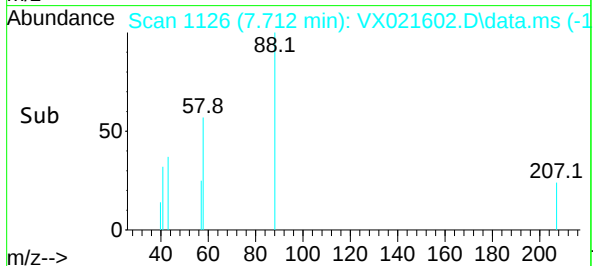
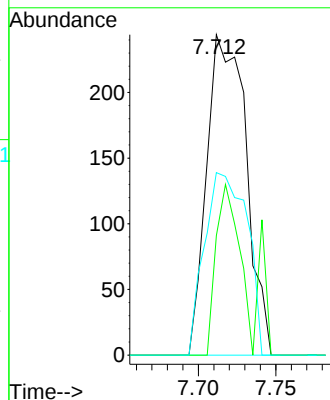
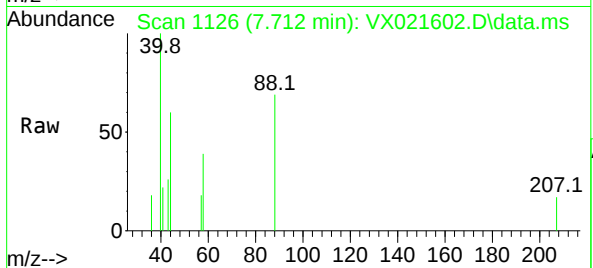
58 61.6 55.0 82.4

Instrument :

MSVOA_X

ClientSampleId :

RE137-20210324



#50

Toluene-d8

Concen: 50.43 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021602.D

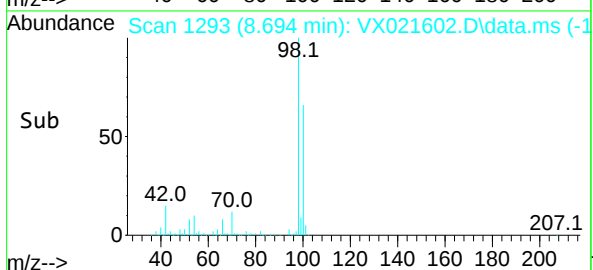
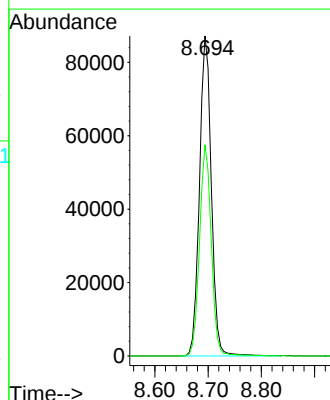
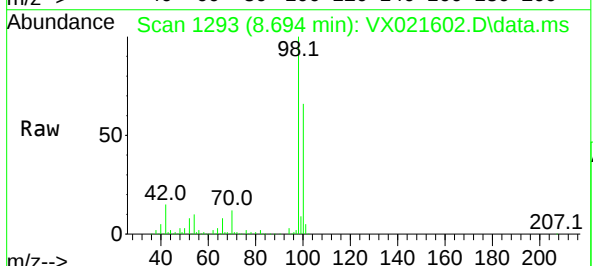
Acq: 30 Mar 2021 01:50

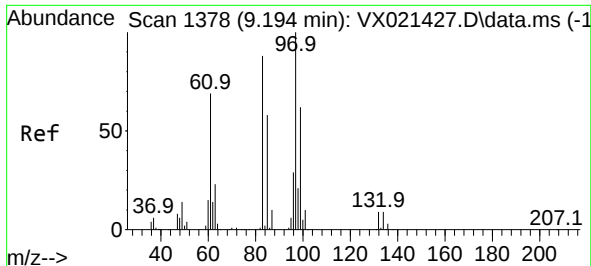
Tgt Ion: 98 Resp: 134977

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9

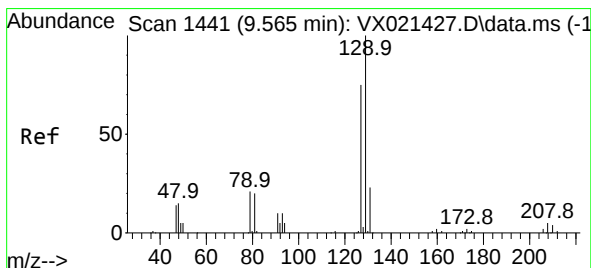
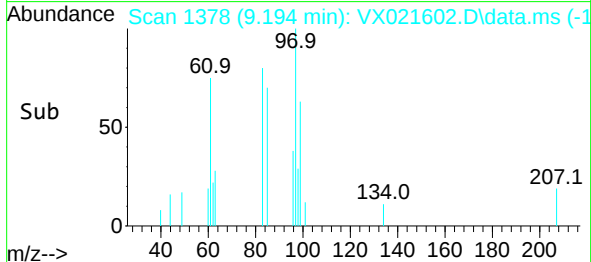
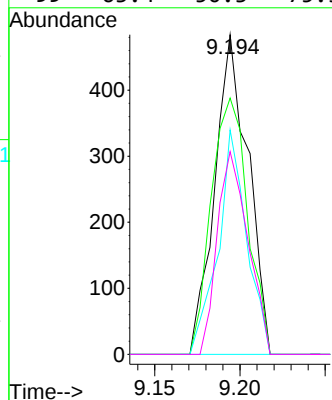
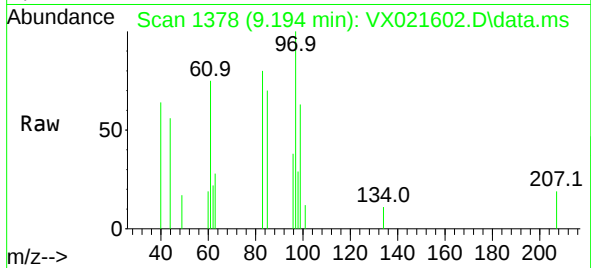




#55
1,1,2-Trichloroethane
Concen: 0.86 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

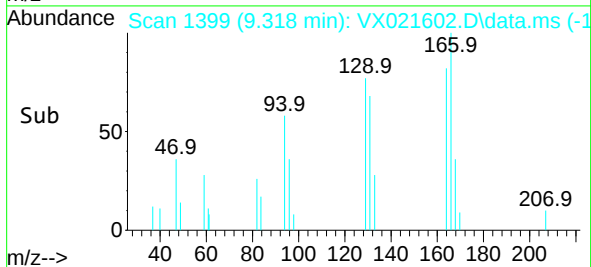
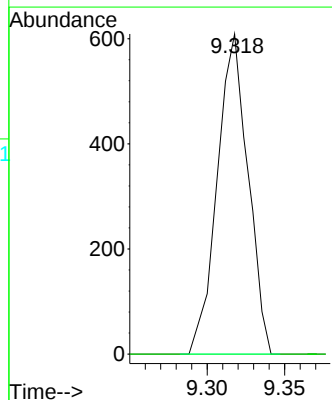
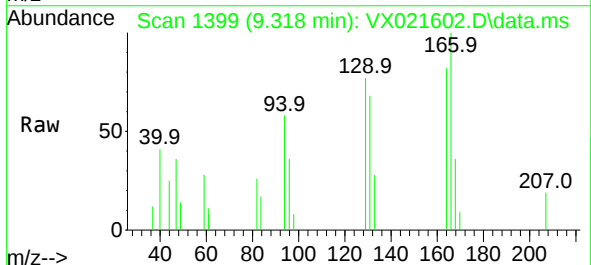
Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

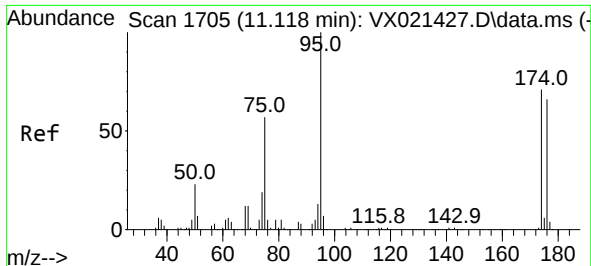
Tgt Ion:	97	Resp:	659
Ion	Ratio	Lower	Upper
97	100		
83	80.2	69.3	103.9
85	70.2	44.3	66.5#
99	63.4	50.3	75.5



#60
Dibromochloromethane
Concen: 0.98 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion:	129	Resp:	842
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

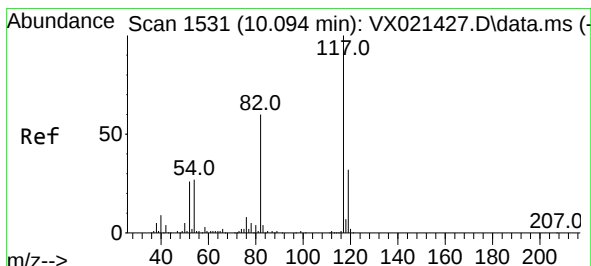
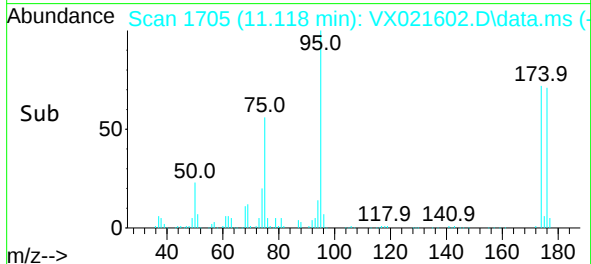
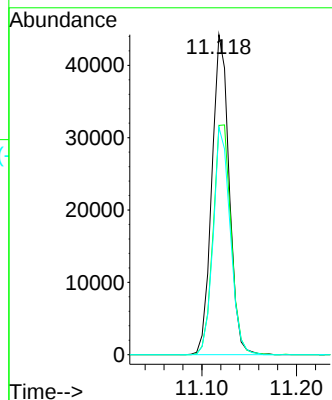
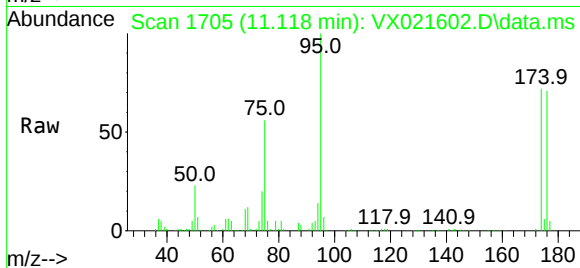




#62
4-Bromofluorobenzene
Concen: 53.93 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

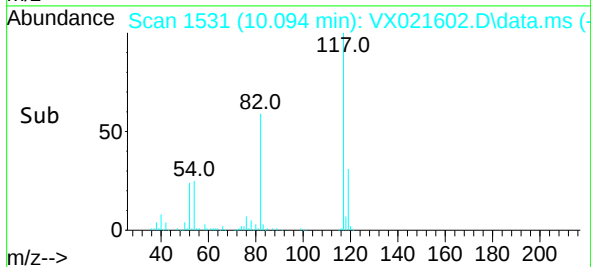
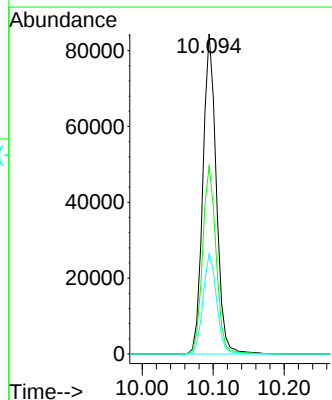
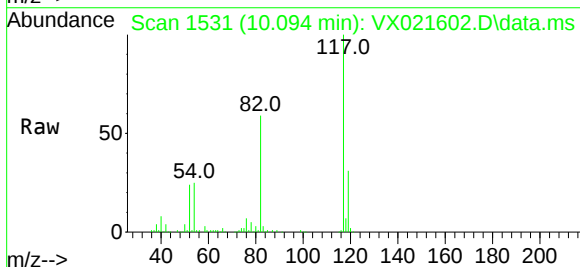
Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

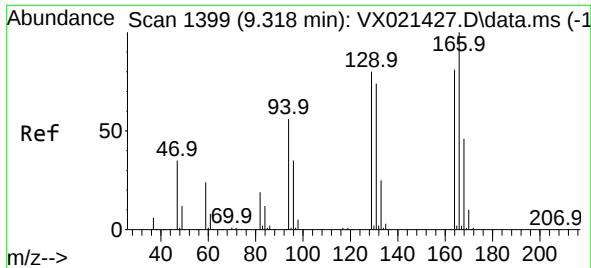
Tgt Ion: 95 Resp: 56124
Ion Ratio Lower Upper
95 100
174 74.6 0.0 154.6
176 69.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion: 117 Resp: 111034
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.3 26.6 39.8



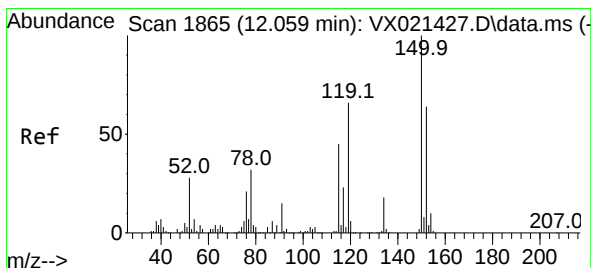
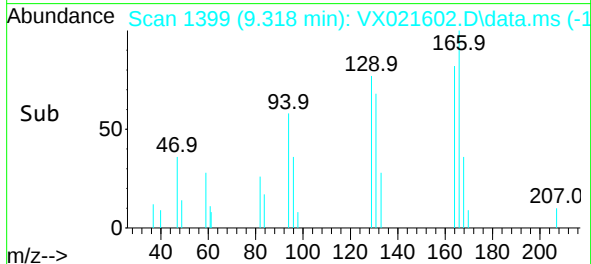
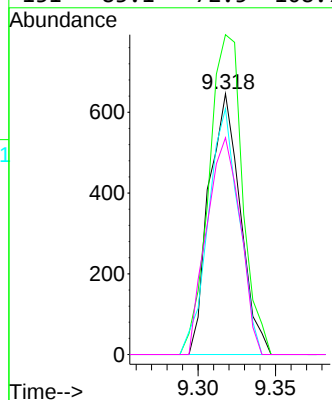
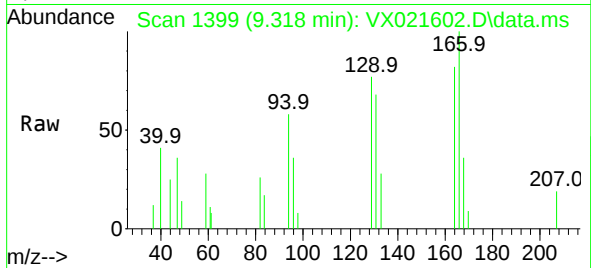


#64
Tetrachloroethene
Concen: 1.22 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

Tgt Ion:164 Resp: 908

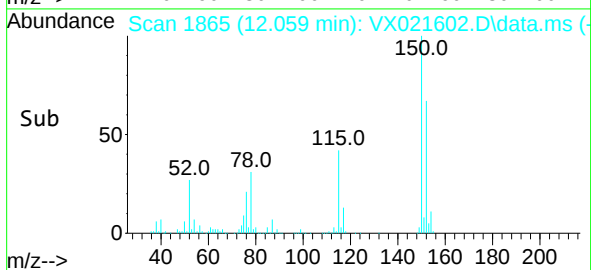
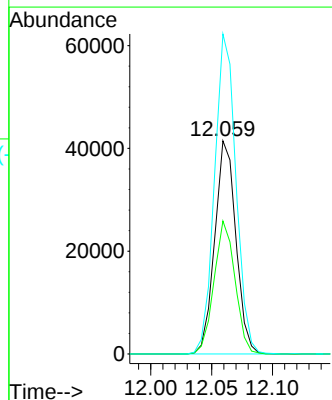
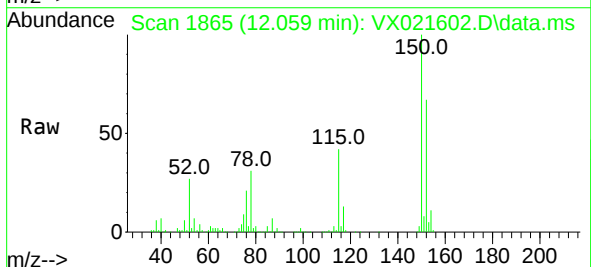
Ion	Ratio	Lower	Upper
164	100		
166	122.6	103.4	155.2
129	94.3	70.8	106.2
131	83.1	72.5	108.7

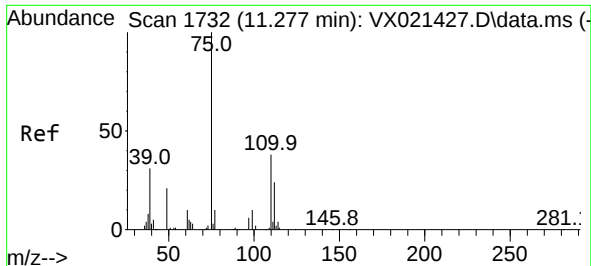


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion:152 Resp: 50197

Ion	Ratio	Lower	Upper
152	100		
115	62.1	41.1	123.3
150	152.0	0.0	349.0

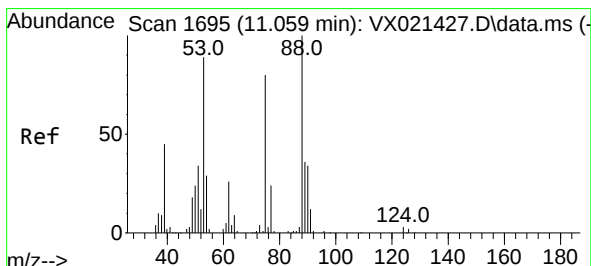
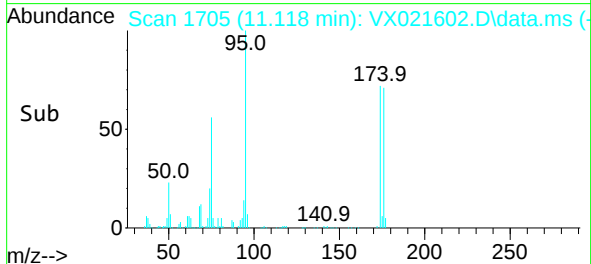
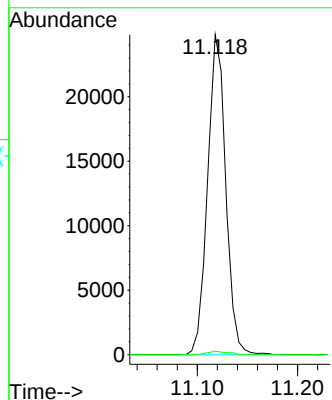
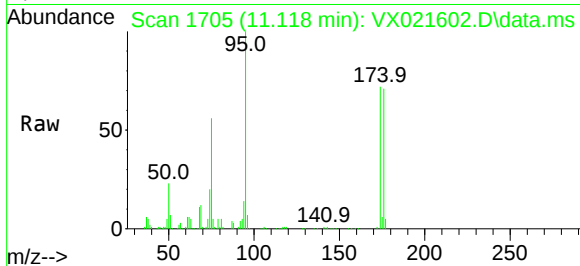




#76
1,2,3-Trichloropropane
Concen: 26.75 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Instrument :
MSVOA_X
ClientSampleId :
RE137-20210324

Tgt Ion: 75 Resp: 31264
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.49 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021602.D
Acq: 30 Mar 2021 01:50

Tgt Ion: 75 Resp: 31264
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

