

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030731.D
 Acq On : 23 Aug 2022 14:55
 Operator : JC/MD
 Sample : N4167-01DL 10X
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE137-CARBON-20220810DL

Quant Time: Sep 06 02:53:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 16:33:27 2022
 Response via : Initial Calibration

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

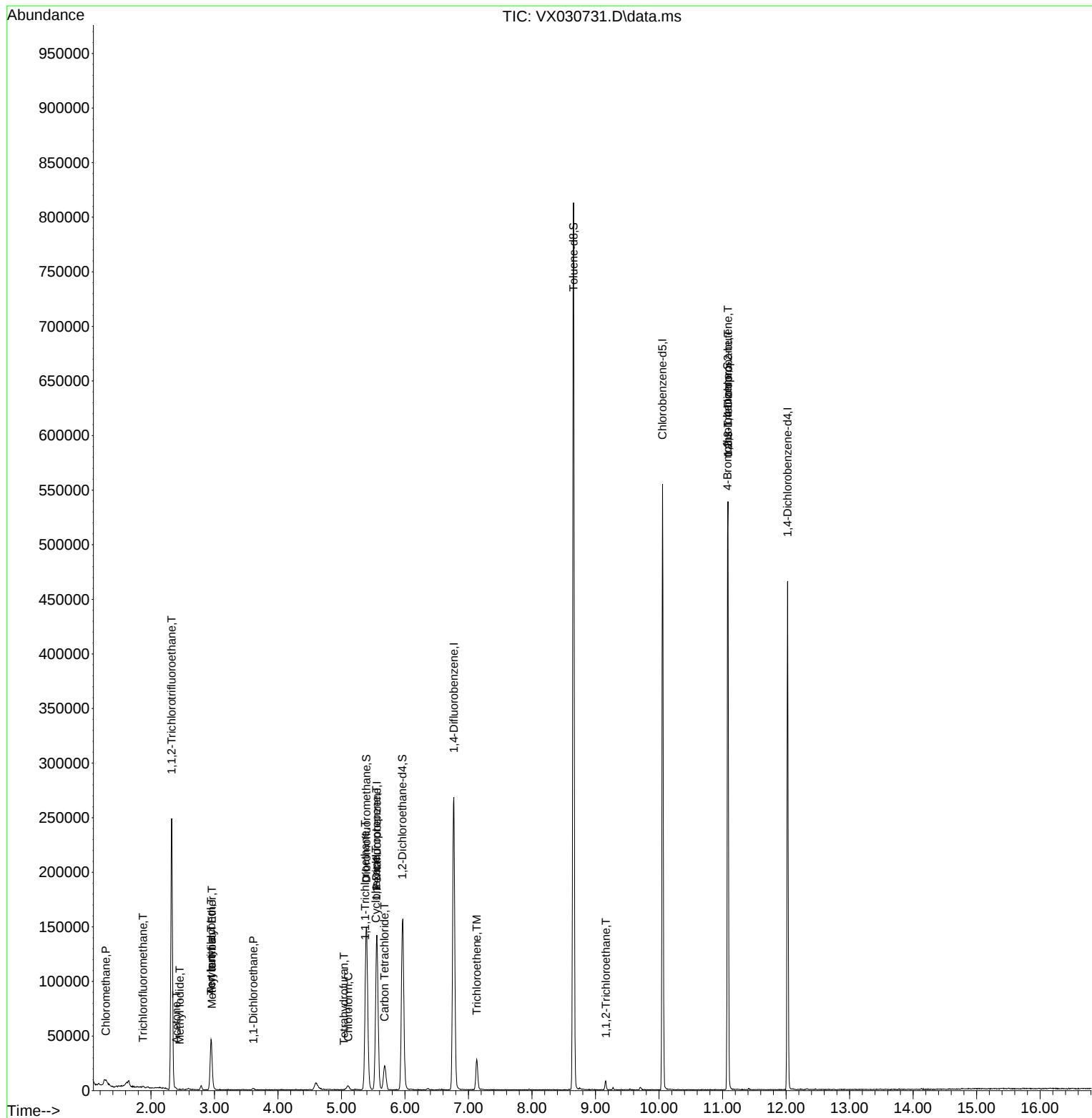
Internal Standards						
1) Pentafluorobenzene	5.556	168	130005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	285796	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149572	57.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.480%
35) Dibromofluoromethane	5.391	113	135409	49.563	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.120%
50) Toluene-d8	8.653	98	504431	47.676	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.360%
62) 4-Bromofluorobenzene	11.079	95	162128	41.289	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.580%#
Target Compounds						Qvalue
3) Chloromethane	1.288	50	674	0.320	ug/l #	42
5) Bromomethane	1.611	94	252	Below Cal	#	55
7) Trichlorofluoromethane	1.874	101	835	0.298	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	101240	48.726	ug/l	99
10) Methyl Iodide	2.453	142	148	1.596	ug/l #	87
11) Tert butyl alcohol	2.946	59	26486	41.554	ug/l #	77
15) Acrylonitrile	2.946	53	560	0.356	ug/l #	20
16) Acetone	2.398	43	1649	1.233	ug/l #	81
19) Methyl tert-butyl Ether	2.959	73	1479	0.213	ug/l	93
20) Methylene Chloride	2.794	84	1996	Below Cal	#	83
24) 1,1-Dichloroethane	3.611	63	1908	0.453	ug/l #	91
29) Tetrahydrofuran	5.038	42	320	0.212	ug/l #	32
30) Chloroform	5.105	83	4905	1.176	ug/l #	82
31) Cyclohexane	5.544	56	2308	0.608	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	821	0.242	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	10809	2.749	ug/l #	48
38) Carbon Tetrachloride	5.678	117	20302	5.531	ug/l	94
44) Trichloroethene	7.129	130	11113	3.288	ug/l	100
55) 1,1,2-Trichloroethane	9.165	97	2467	0.768	ug/l #	81
67) Ethyl Benzene	10.189	91	221	Below Cal		99
76) 1,2,3-Trichloropropane	11.085	75	74709	30.723	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	74709	92.168	ug/l #	12

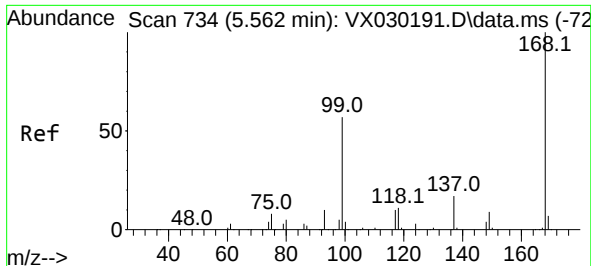
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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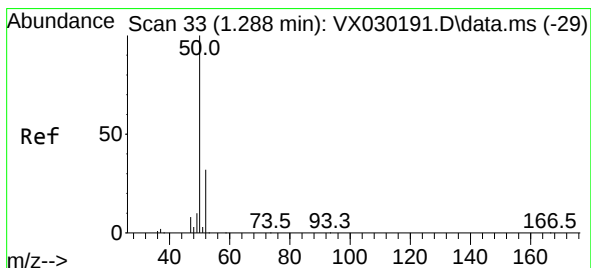
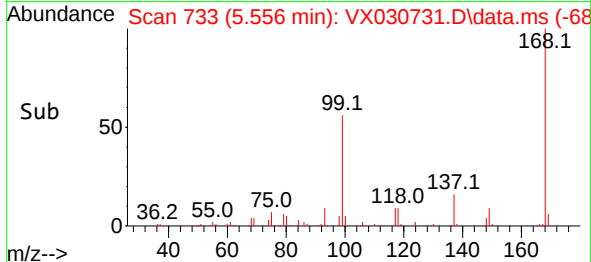
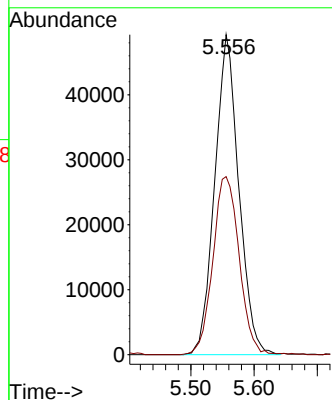
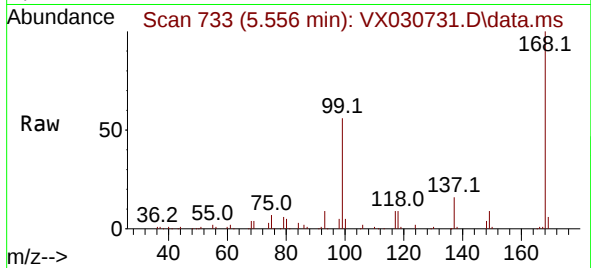




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

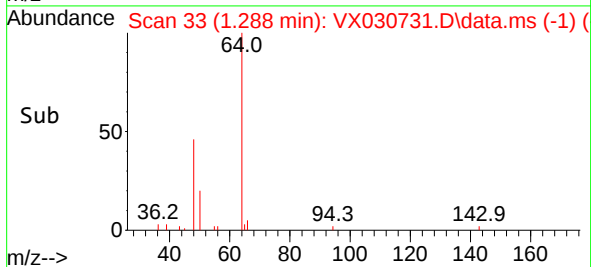
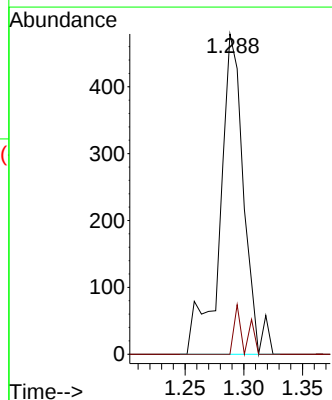
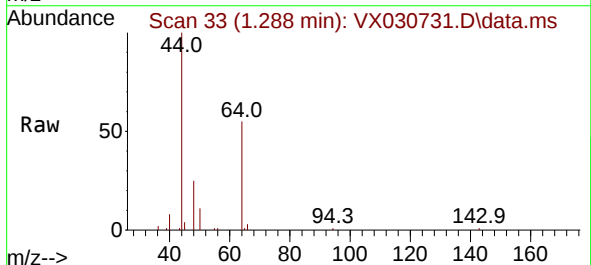
Instrument :
MSVOA_X
ClientSampleId :
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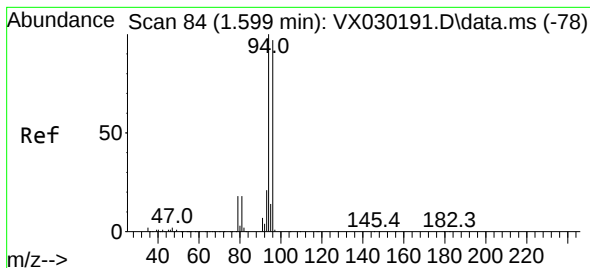
Tgt Ion:168 Resp: 130005
Ion Ratio Lower Upper
168 100
99 55.6 44.0 66.0



#3
Chloromethane
Concen: 0.320 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion: 50 Resp: 674
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

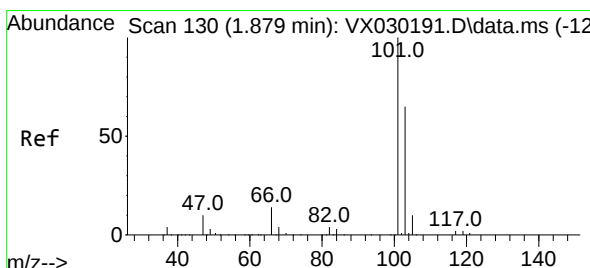
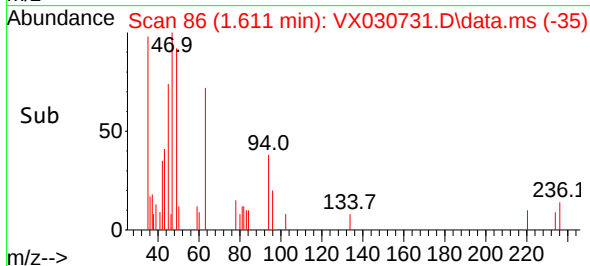
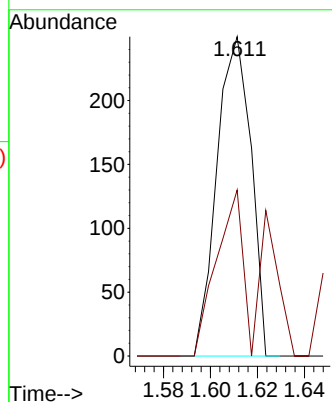
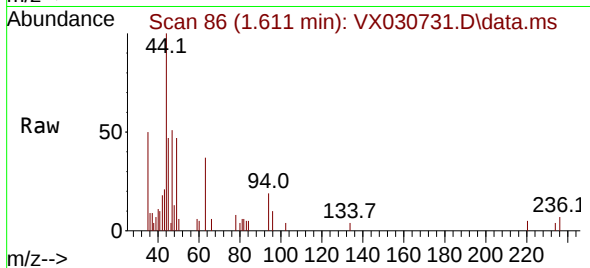




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

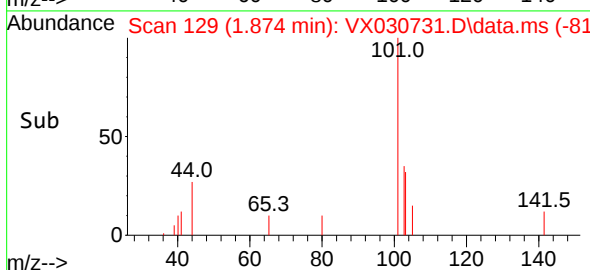
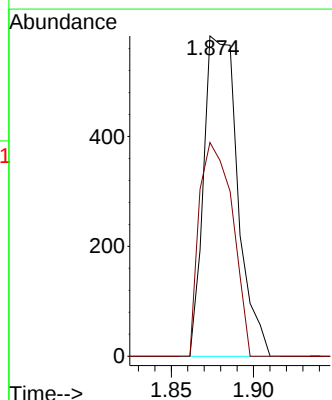
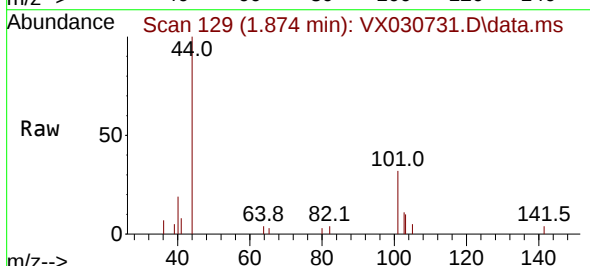
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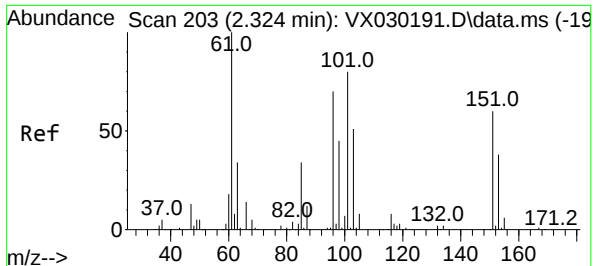
Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 52.0 76.9 115.3#



#7
Trichlorofluoromethane
Concen: 0.298 ug/l
RT: 1.874 min Scan# 129
Delta R.T. -0.005 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion: 101 Resp: 835
Ion Ratio Lower Upper
101 100
103 66.7 49.7 74.5

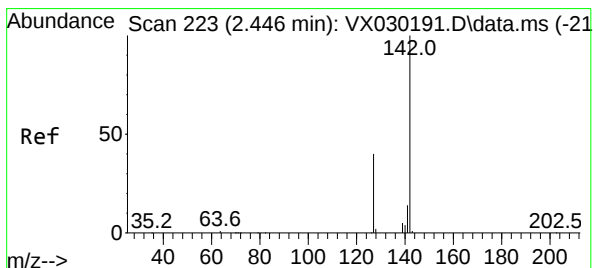
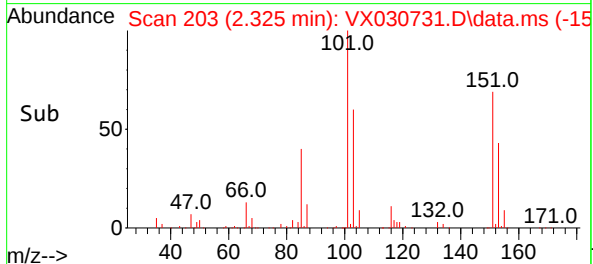
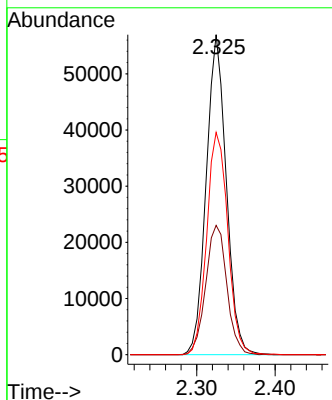
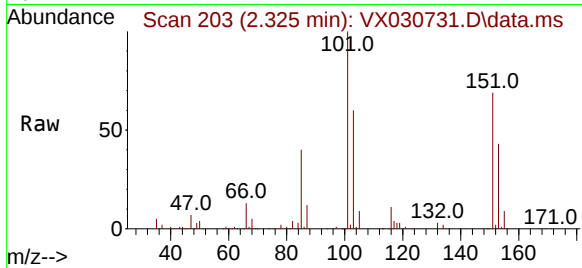




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.726 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

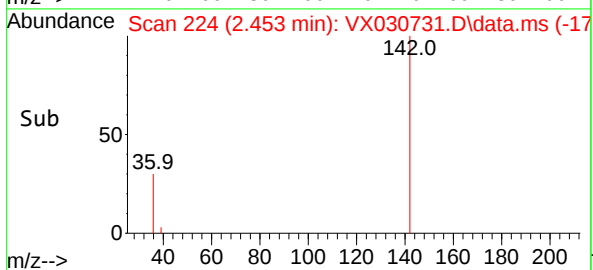
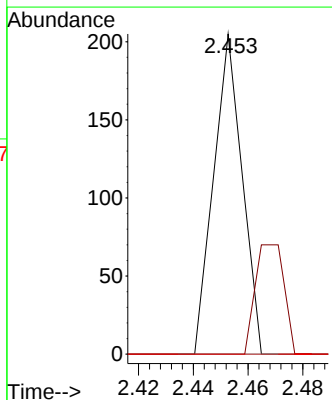
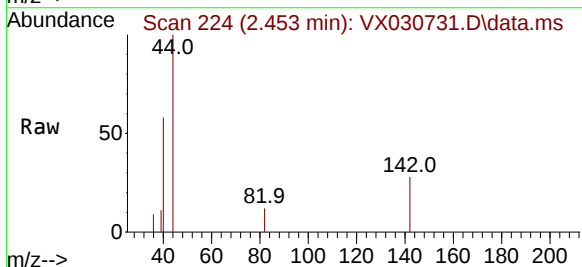
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20220810DL

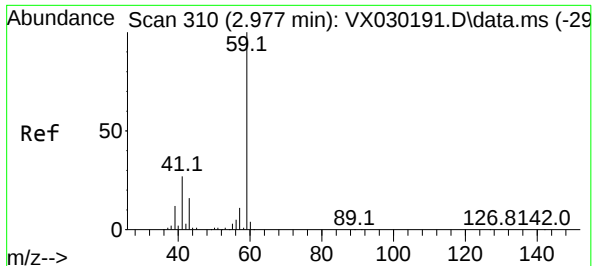
Tgt Ion:101 Resp: 101240
Ion Ratio Lower Upper
101 100
85 42.7 34.0 51.0
151 73.0 59.4 89.0



#10
Methyl Iodide
Concen: 1.596 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 34.5 30.2 45.2
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 41.554 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.031 min

Lab File: VX030731.D

Acq: 23 Aug 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

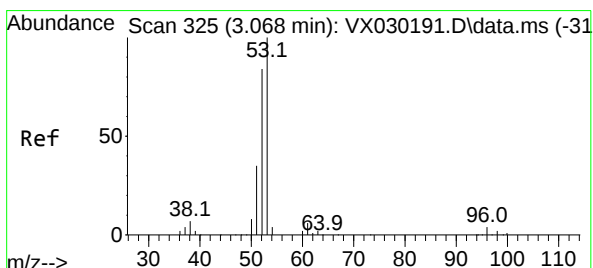
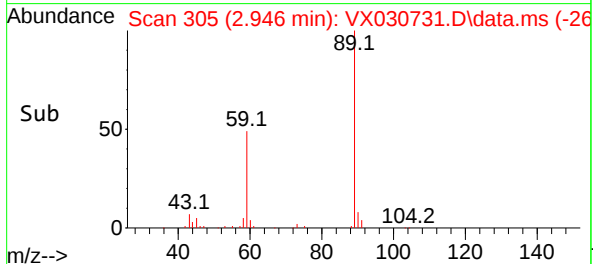
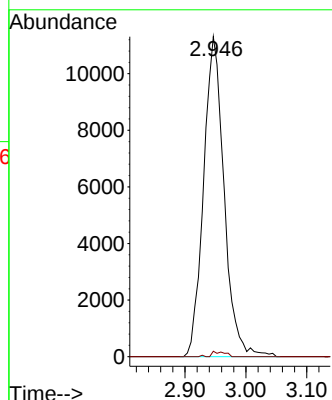
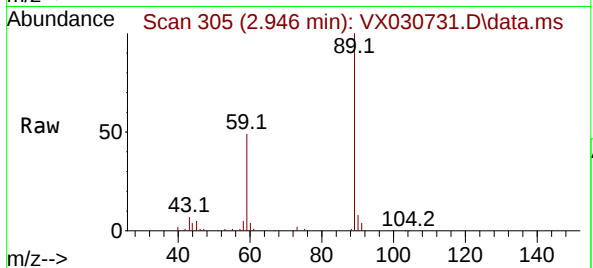
RE137-CARBON-20220810DL

Tgt Ion: 59 Resp: 26486

Ion Ratio Lower Upper

59 100

57 1.1 7.4 11.2#



#15

Acrylonitrile

Concen: 0.356 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.122 min

Lab File: VX030731.D

Acq: 23 Aug 2022 14:55

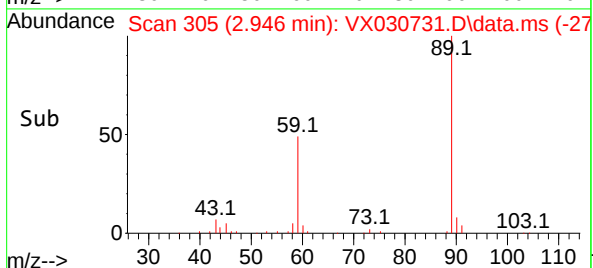
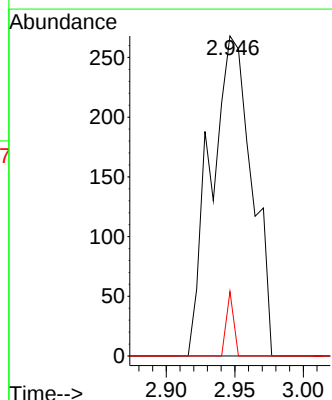
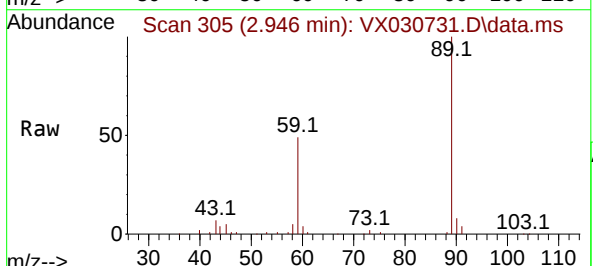
Tgt Ion: 53 Resp: 560

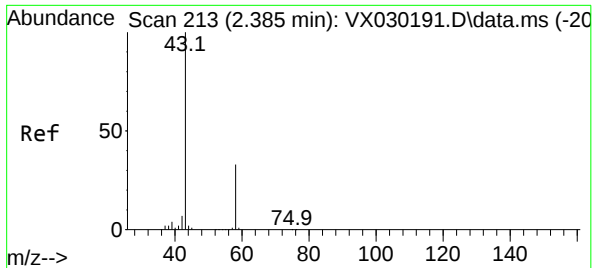
Ion Ratio Lower Upper

53 100

52 0.0 65.4 98.0#

51 3.6 27.7 41.5#

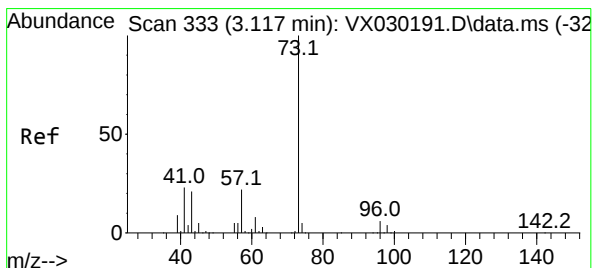
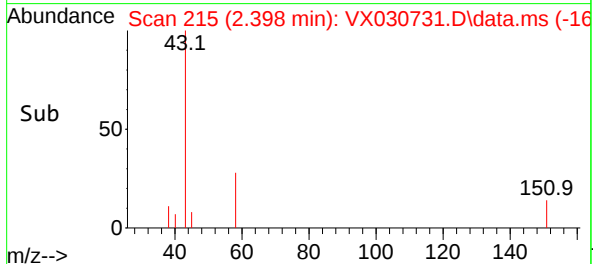
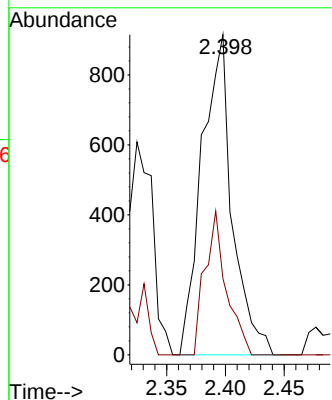
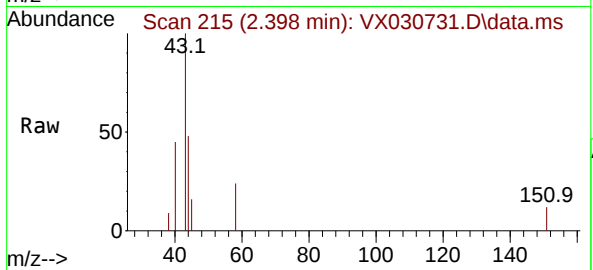




#16
Acetone
Concen: 1.233 ug/l
RT: 2.398 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

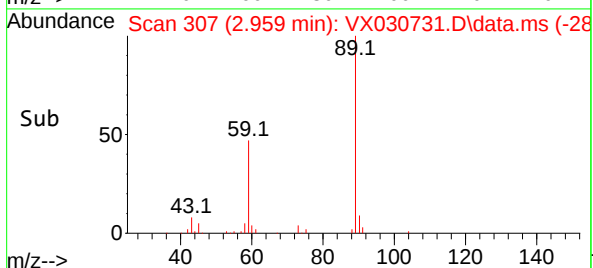
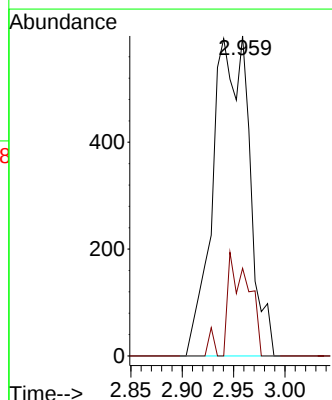
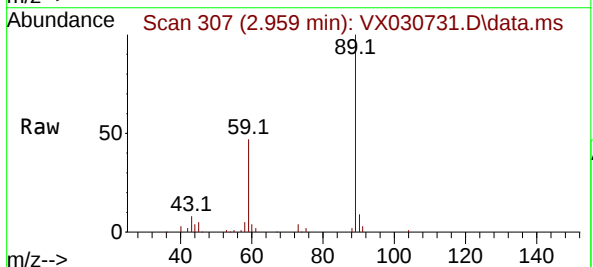
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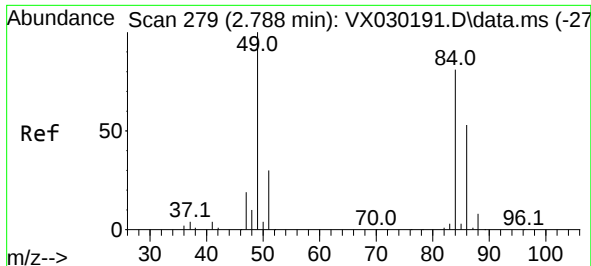
Tgt Ion: 43 Resp: 1649
Ion Ratio Lower Upper
43 100
58 23.8 27.7 41.5#



#19
Methyl tert-butyl Ether
Concen: 0.213 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.158 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion: 73 Resp: 1479
Ion Ratio Lower Upper
73 100
57 27.4 19.0 28.6

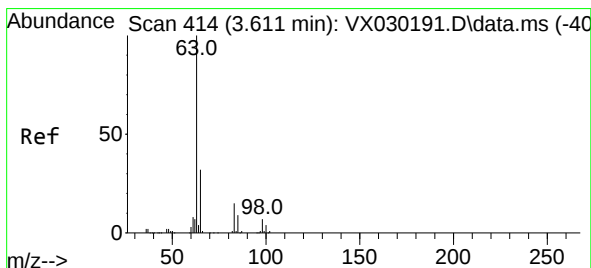
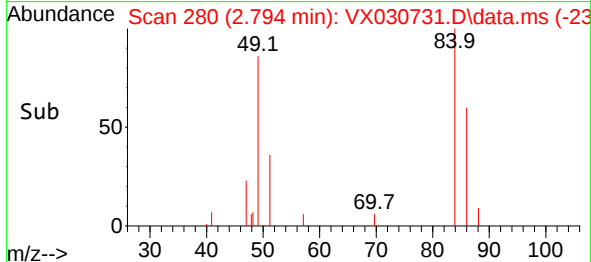
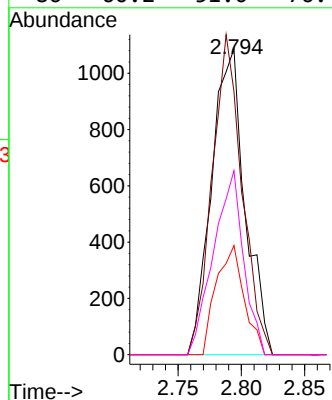
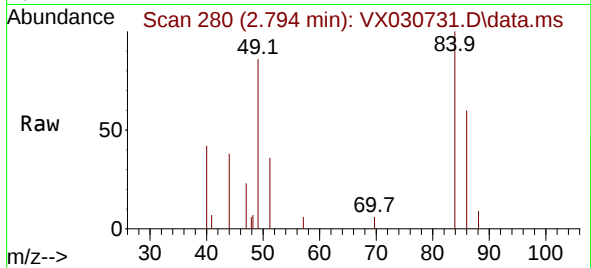




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

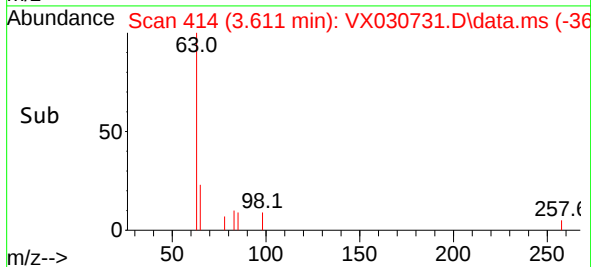
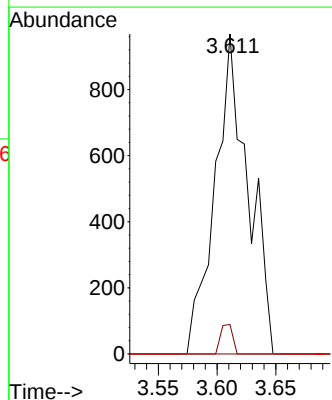
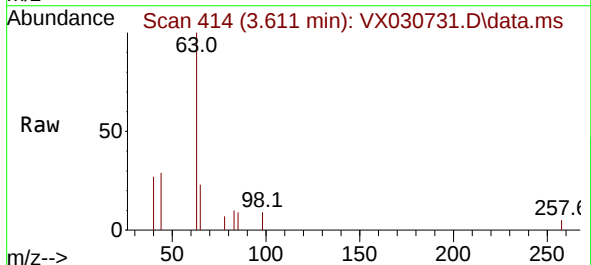
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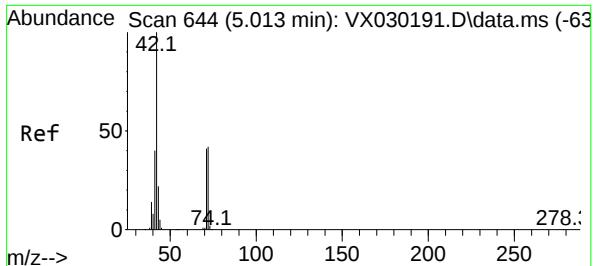
Tgt Ion:	84	Resp:	1996
Ion	Ratio	Lower	Upper
84	100		
49	86.0	93.8	140.6#
51	35.7	29.4	44.0
86	60.2	51.0	76.4



#24
1,1-Dichloroethane
Concen: 0.453 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion:	63	Resp:	1908
Ion	Ratio	Lower	Upper
63	100		
98	9.2	3.5	10.5
100	0.0	2.3	6.9#





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

Lab File: VX030731.D

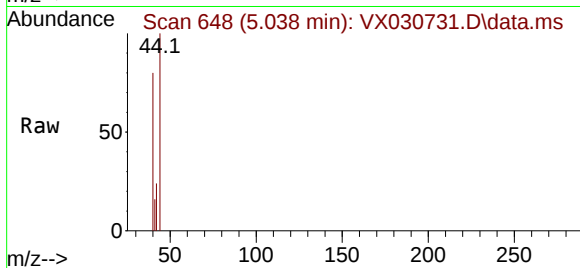
Acq: 23 Aug 2022 14:55

Instrument :

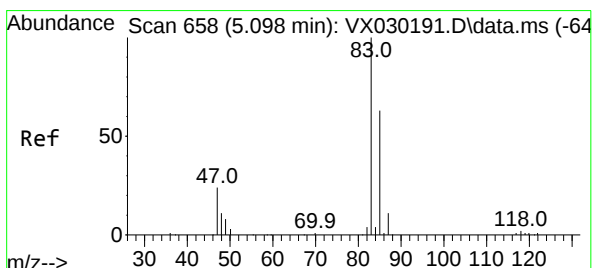
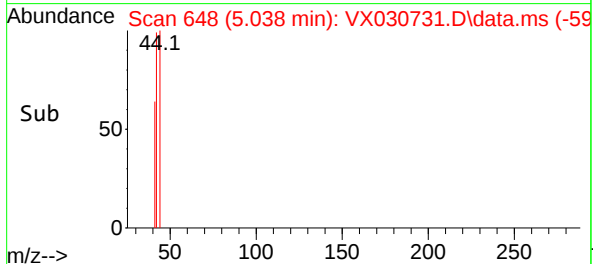
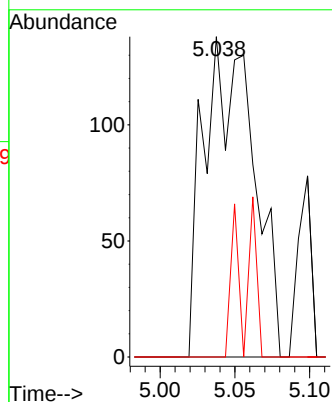
MSVOA_X

ClientSampleId :

RE137-CARBON-20220810DL



Tgt Ion:	42	Resp:	320
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	0.0	33.9	50.9#



#30

Chloroform

Concen: 1.176 ug/l

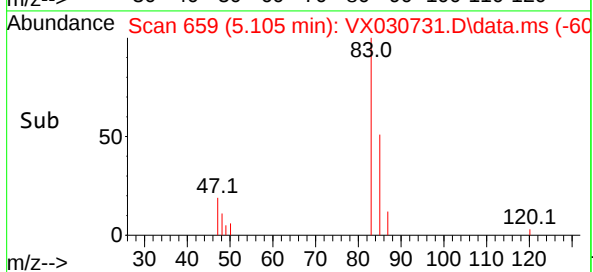
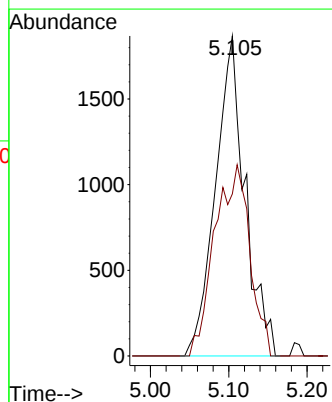
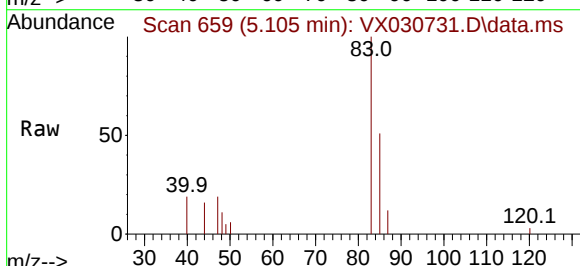
RT: 5.105 min Scan# 659

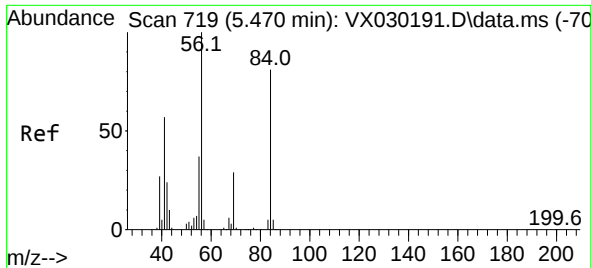
Delta R.T. 0.007 min

Lab File: VX030731.D

Acq: 23 Aug 2022 14:55

Tgt Ion:	83	Resp:	4905
Ion	Ratio	Lower	Upper
83	100		
85	50.6	51.5	77.3#

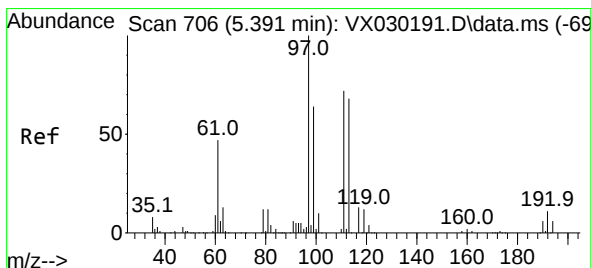
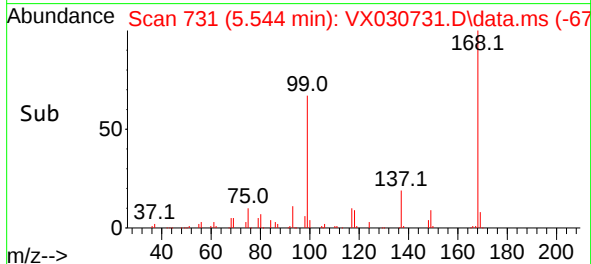
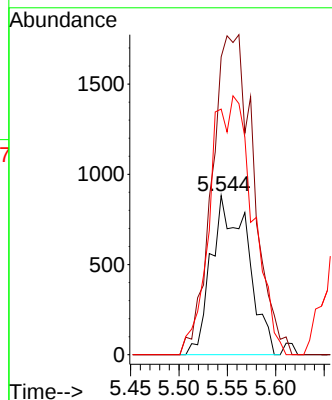
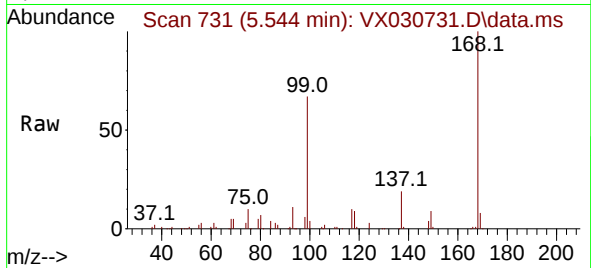




#31
Cyclohexane
Concen: 0.608 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

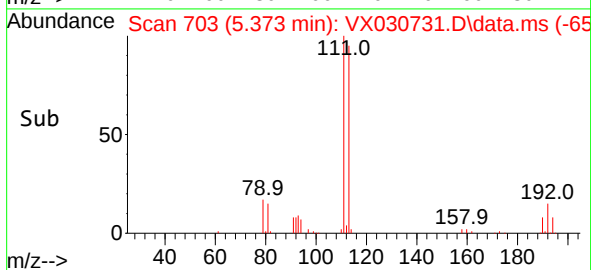
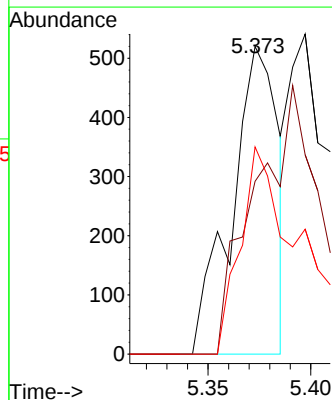
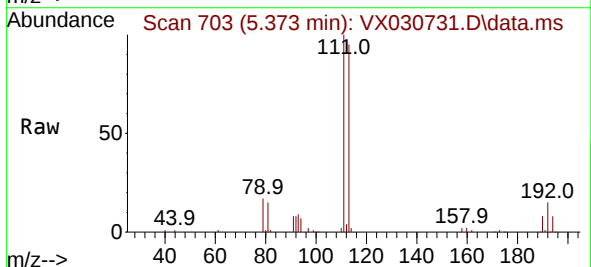
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20220810DL

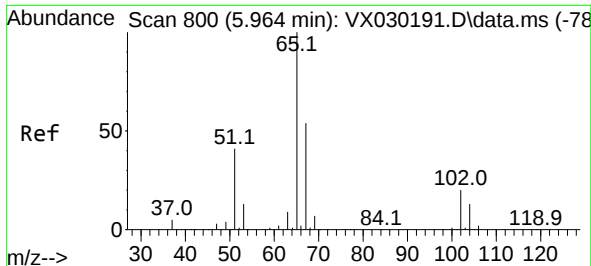
Tgt Ion: 56 Resp: 2308
Ion Ratio Lower Upper
56 100
69 187.2 25.4 38.0#
84 154.4 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 0.242 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.018 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion: 97 Resp: 821
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 84.3 35.8 53.8#





#33

1,2-Dichloroethane-d4

Concen: 57.241 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030731.D

Acq: 23 Aug 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

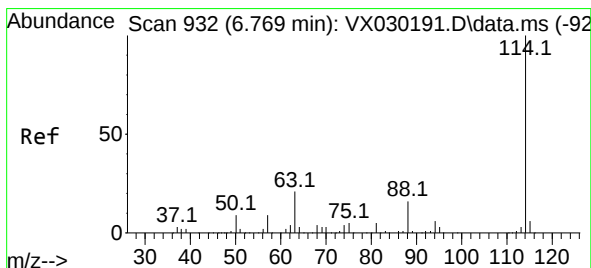
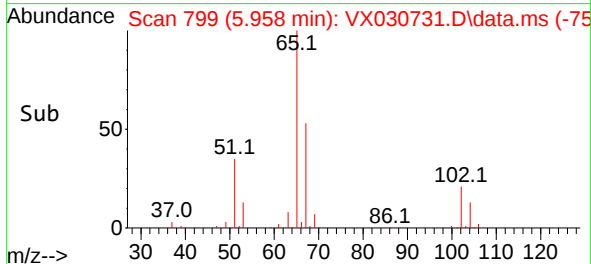
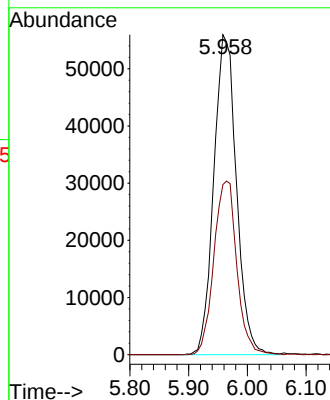
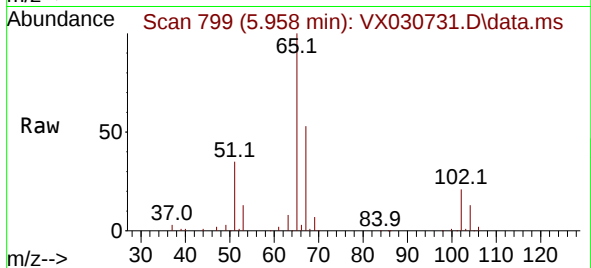
RE137-CARBON-20220810DL

Tgt Ion: 65 Resp: 149572

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030731.D

Acq: 23 Aug 2022 14:55

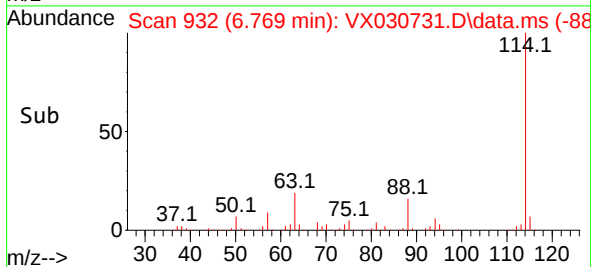
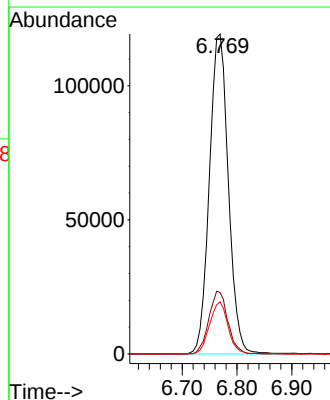
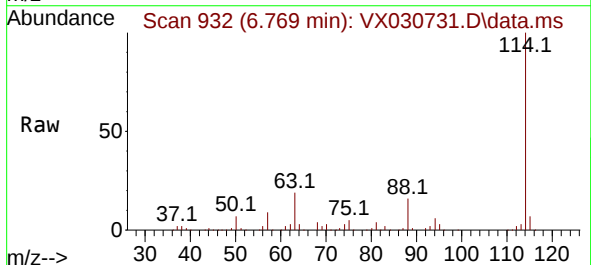
Tgt Ion: 114 Resp: 285796

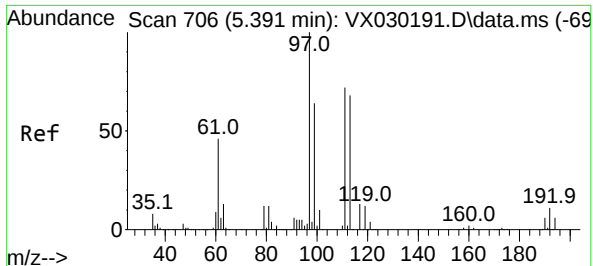
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.563 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030731.D

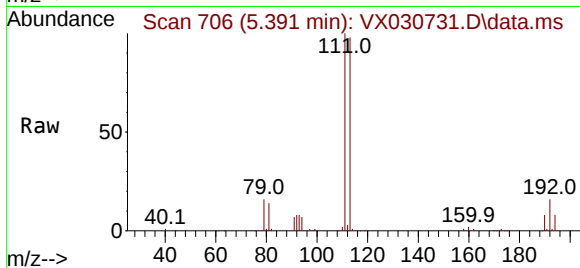
Acq: 23 Aug 2022 14:55

Instrument :

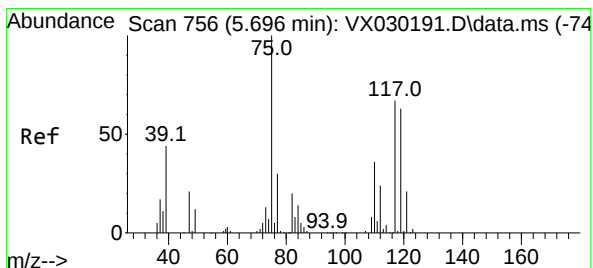
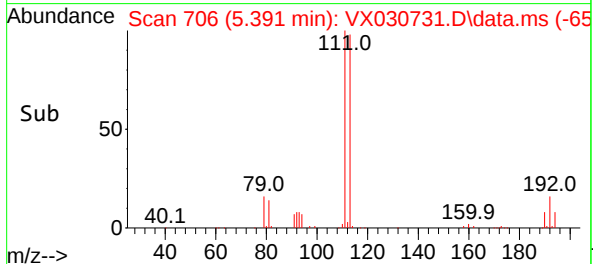
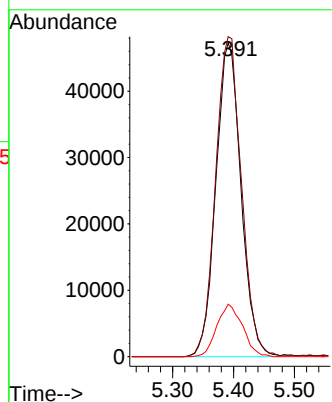
MSVOA_X

ClientSampleId :

RE137-CARBON-20220810DL



Tgt Ion:	113	Resp:	135409
Ion	Ratio	Lower	Upper
113	100		
111	104.5	83.2	124.8
192	17.1	14.8	22.2



#36

1,1-Dichloropropene

Concen: 2.749 ug/l

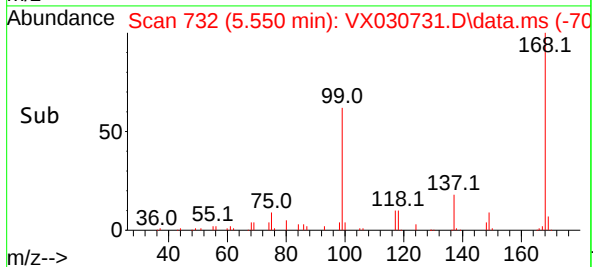
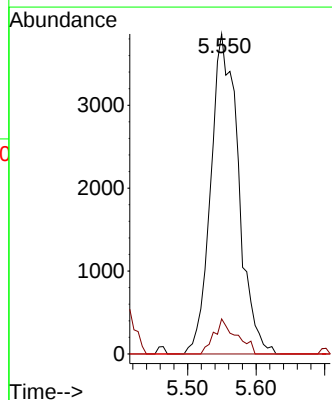
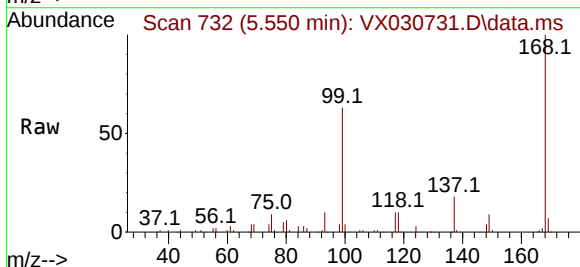
RT: 5.550 min Scan# 732

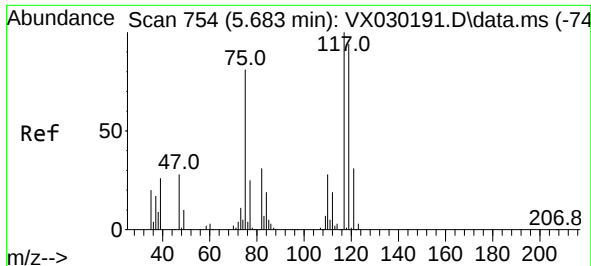
Delta R.T. -0.146 min

Lab File: VX030731.D

Acq: 23 Aug 2022 14:55

Tgt Ion:	75	Resp:	10809
Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.3	57.9#
77	0.0	24.4	36.6#

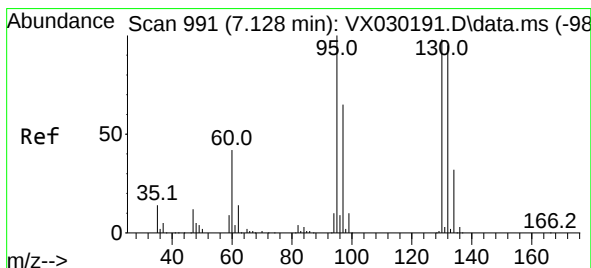
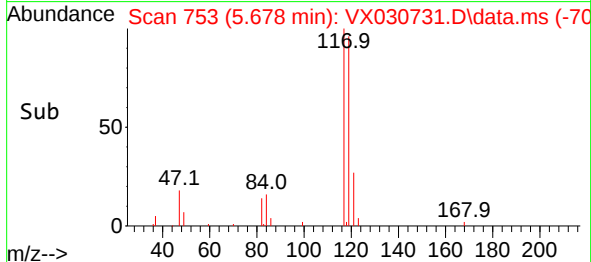
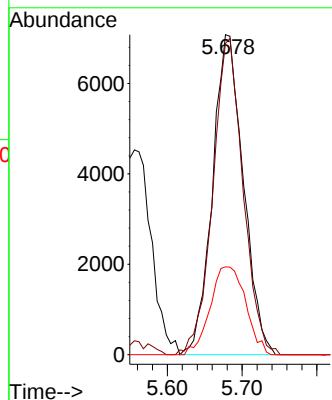
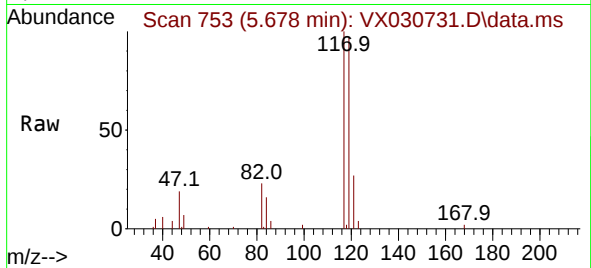




#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 5.678 min Scan# 754
Delta R.T. -0.005 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

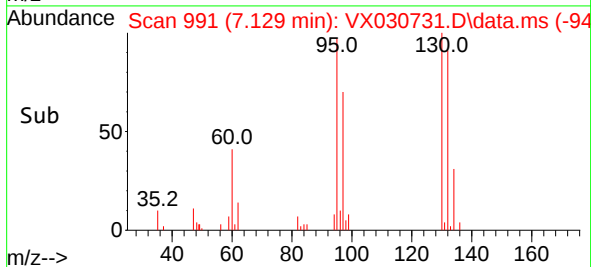
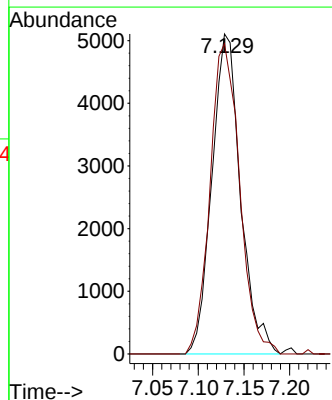
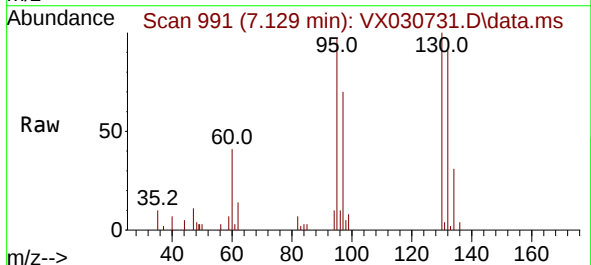
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20220810DL

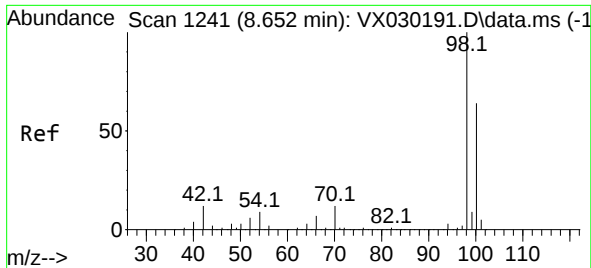
Tgt Ion:117 Resp: 20302
Ion Ratio Lower Upper
117 100
119 97.3 74.1 111.1
121 27.5 25.8 38.8



#44
Trichloroethene
Concen: 3.288 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.001 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion:130 Resp: 11113
Ion Ratio Lower Upper
130 100
95 96.9 0.0 194.8

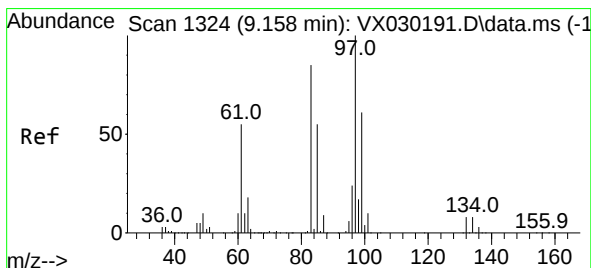
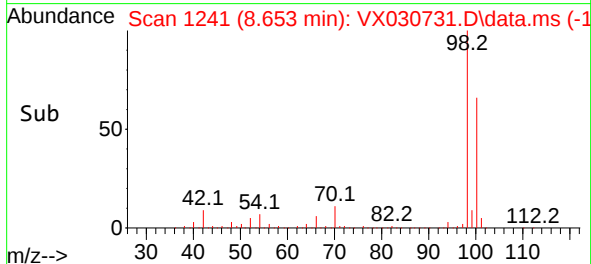
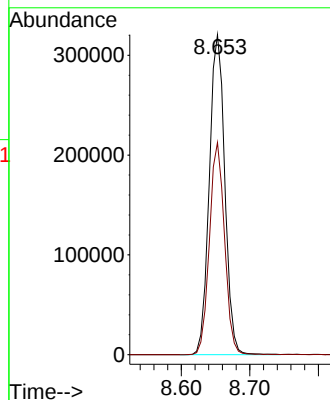
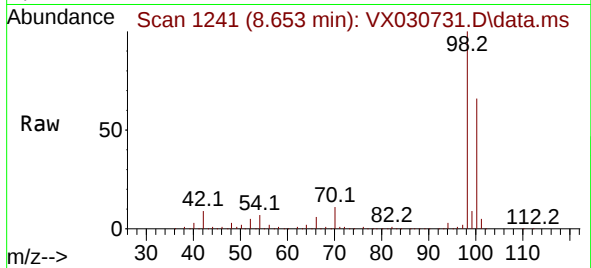




#50
Toluene-d8
Concen: 47.676 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

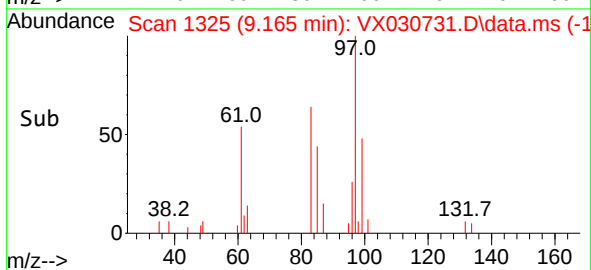
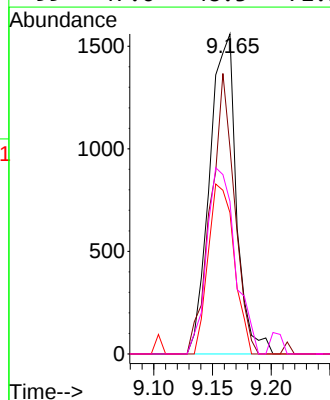
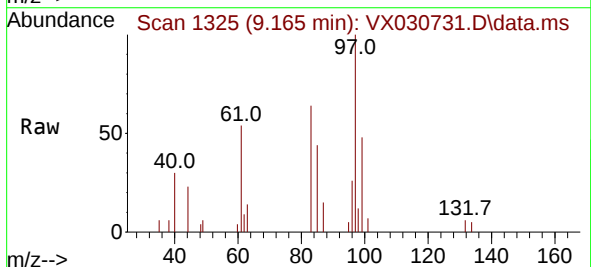
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20220810DL

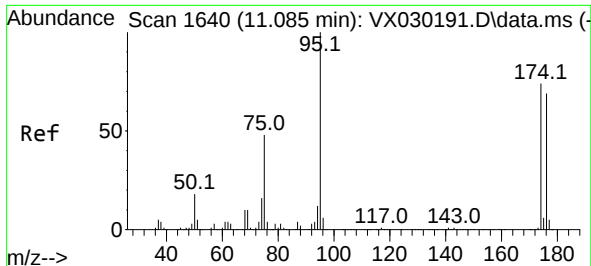
Tgt Ion: 98 Resp: 504431
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.768 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.007 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion: 97 Resp: 2467
Ion Ratio Lower Upper
97 100
83 64.5 68.9 103.3#
85 44.2 44.0 66.0
99 47.6 48.3 72.5#

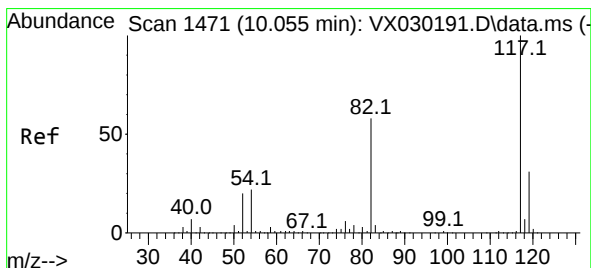
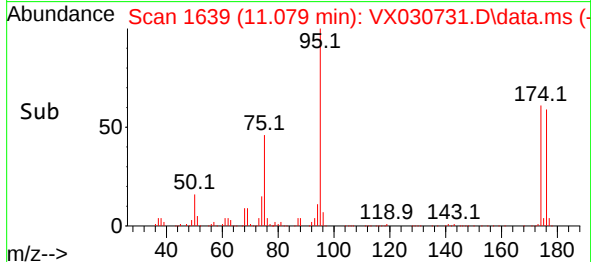
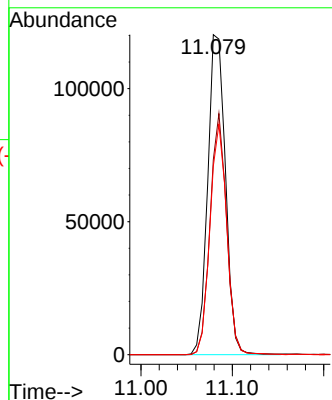
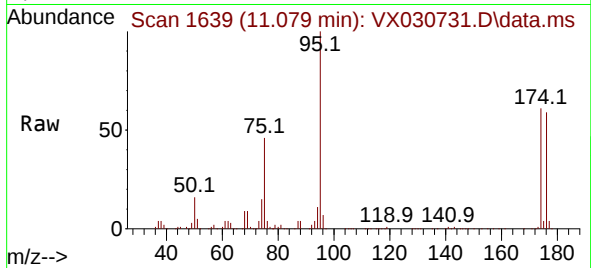




#62
4-Bromofluorobenzene
Concen: 41.289 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

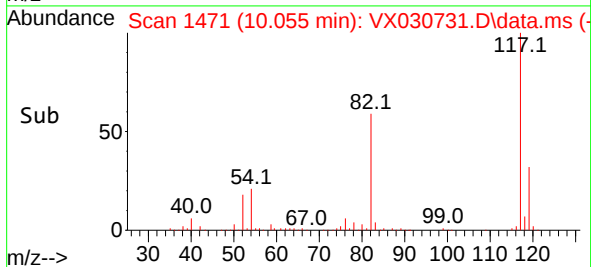
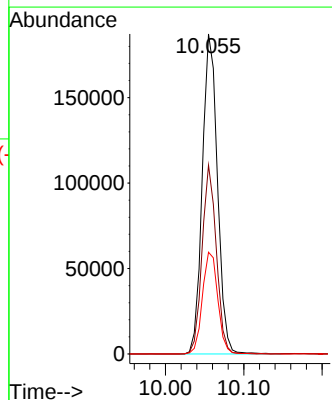
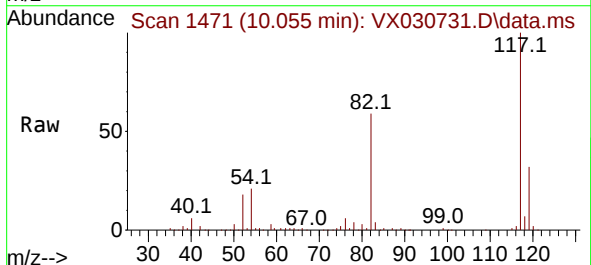
Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20220810DL

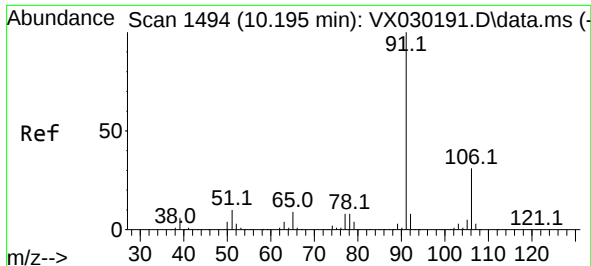
Tgt Ion: 95 Resp: 162128
Ion Ratio Lower Upper
95 100
174 69.9 0.0 149.0
176 68.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion: 117 Resp: 251621
Ion Ratio Lower Upper
117 100
82 59.0 42.7 64.1
119 31.8 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.189 min Scan# 1493

Delta R.T. -0.006 min

Lab File: VX030731.D

Acq: 23 Aug 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

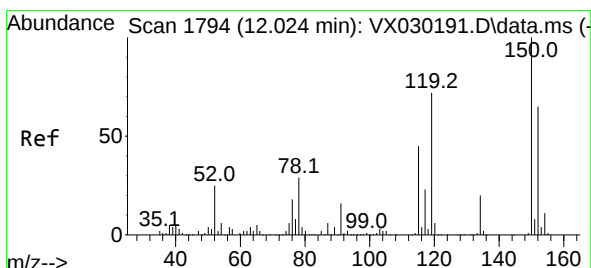
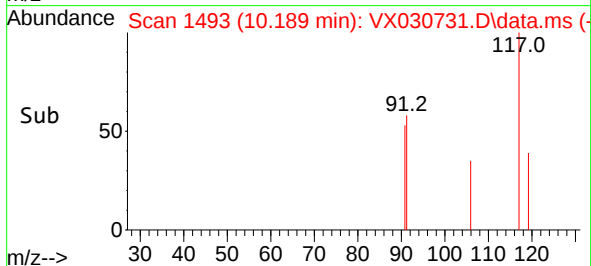
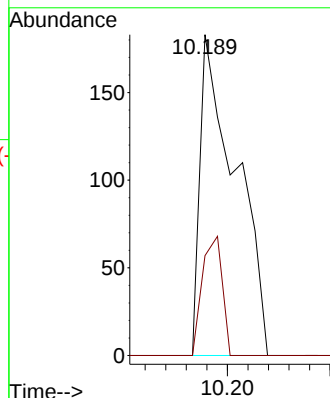
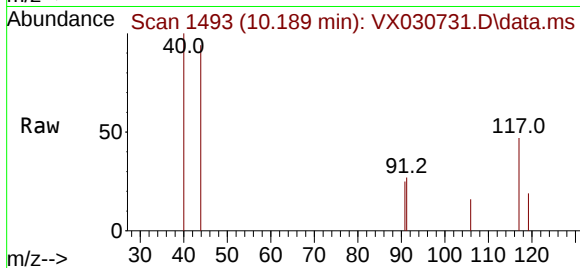
RE137-CARBON-20220810DL

Tgt Ion: 91 Resp: 221

Ion Ratio Lower Upper

91 100

106 31.1 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: VX030731.D

Acq: 23 Aug 2022 14:55

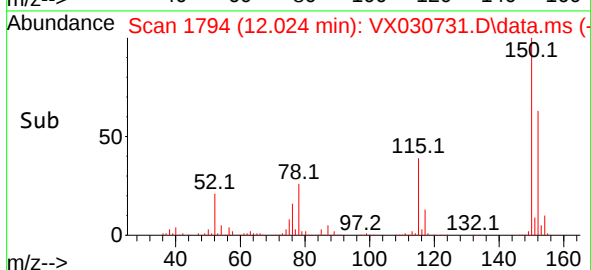
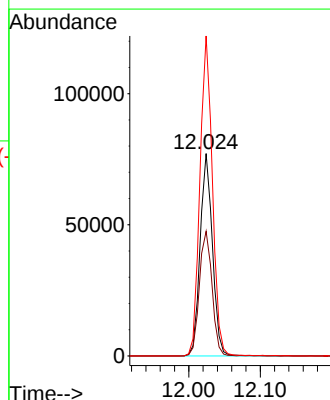
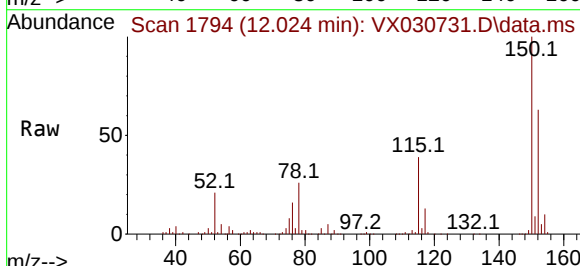
Tgt Ion:152 Resp: 92250

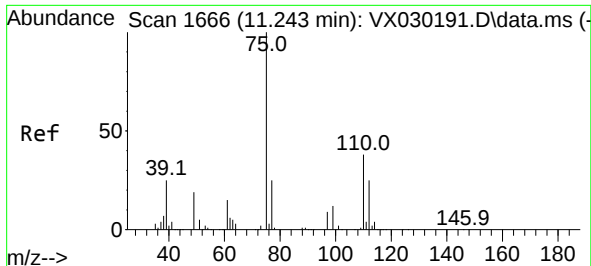
Ion Ratio Lower Upper

152 100

115 63.3 40.5 121.5

150 159.6 0.0 347.0

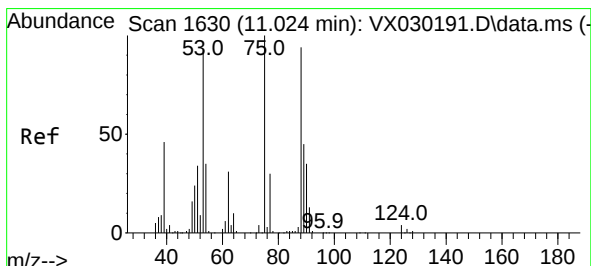
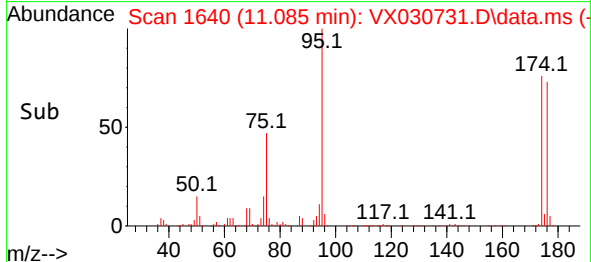
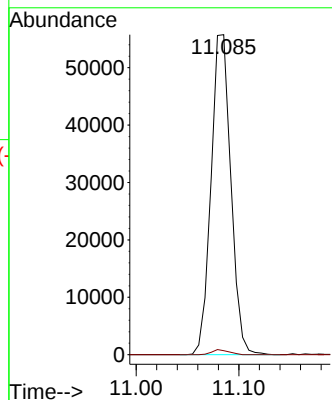
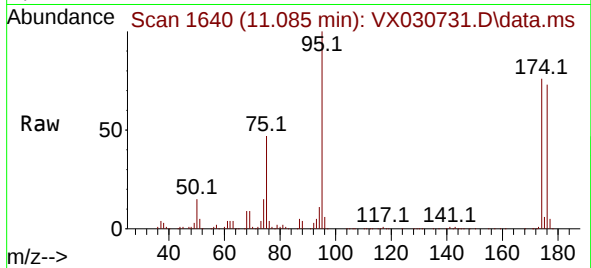




#76
1,2,3-Trichloropropane
Concen: 30.723 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Instrument :
MSVOA_X
ClientSampleId :
RE137-CARBON-20220810DL

Tgt Ion: 75 Resp: 74709
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.168 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030731.D
Acq: 23 Aug 2022 14:55

Tgt Ion: 75 Resp: 74709
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

