

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027594.D
 Acq On : 21 Mar 2022 18:23
 Operator : JC/MD
 Sample : N2000-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-134D2-20220315

Quant Time: Mar 22 05:49:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

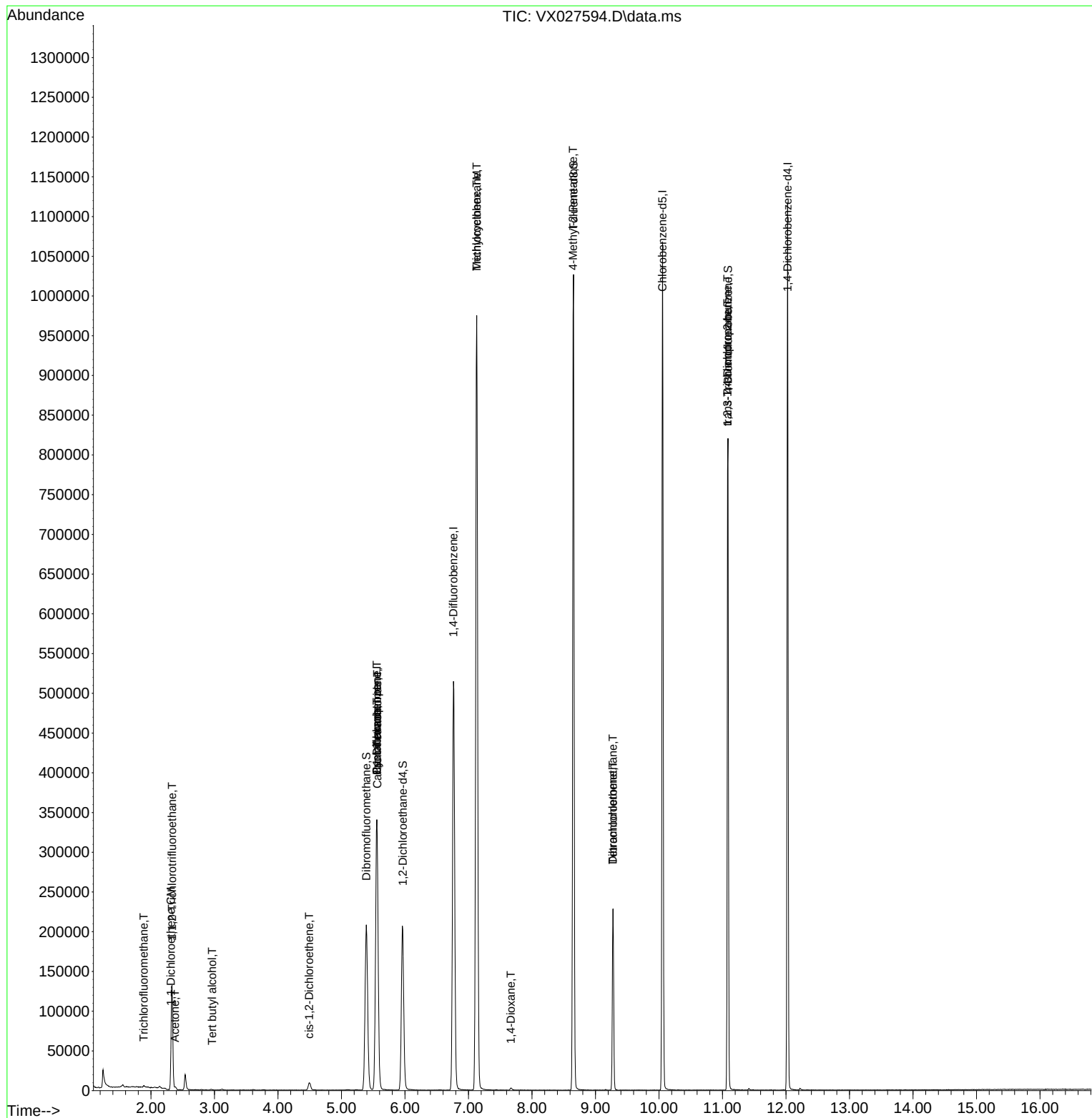
Internal Standards						
1) Pentafluorobenzene	5.556	168	340181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	561925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	512789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	236745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	198152	47.284	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.560%		
35) Dibromofluoromethane	5.391	113	183884	50.862	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.720%		
50) Toluene-d8	8.653	98	650427	47.543	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.080%		
62) 4-Bromofluorobenzene	11.085	95	229404	45.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.240%		
Target Compounds						
5) Bromomethane	1.612	94	545	Below Cal		94
7) Trichlorofluoromethane	1.886	101	1138	0.206 ug/l		90
9) 1,1,2-Trichlorotrifluo...	2.331	101	50921	15.467 ug/l		94
11) Tert butyl alcohol	2.965	59	522	0.654 ug/l #		72
12) 1,1-Dichloroethene	2.313	96	1369	0.433 ug/l #		72
16) Acetone	2.380	43	2592	1.517 ug/l		98
27) cis-1,2-Dichloroethene	4.489	96	6392	1.636 ug/l		87
31) Cyclohexane	5.556	56	5502	1.057 ug/l #		5
36) 1,1-Dichloropropene	5.556	75	22908	4.637 ug/l #		50
38) Carbon Tetrachloride	5.562	117	33012	5.841 ug/l #		15
39) Methylcyclohexane	7.129	83	4425	0.712 ug/l #		1
44) Trichloroethene	7.129	130	409478	95.166 ug/l		100
49) 1,4-Dioxane	7.665	88	2293	22.768 ug/l		99
51) 4-Methyl-2-Pentanone	8.647	43	2206	0.436 ug/l #		1
60) Dibromochloromethane	9.275	129	45213	10.620 ug/l #		9
64) Tetrachloroethene	9.275	164	46930	11.771 ug/l		99
76) 1,2,3-Trichloropropane	11.079	75	105249	21.254 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	105249	64.550 ug/l #		15

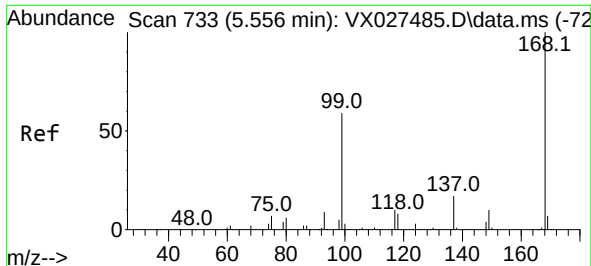
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE-134D2-20220315

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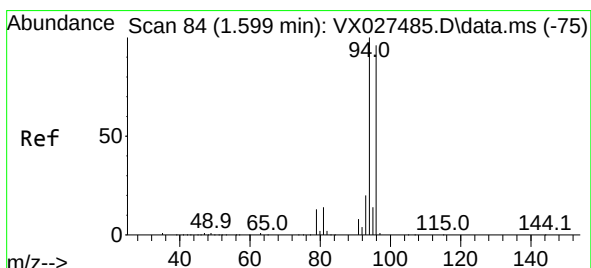
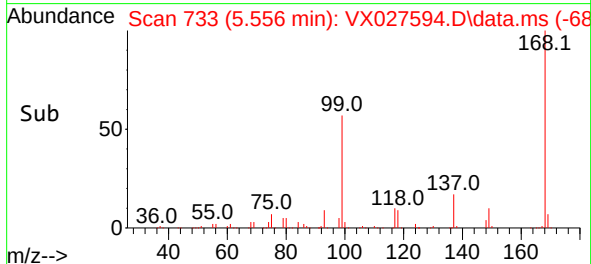
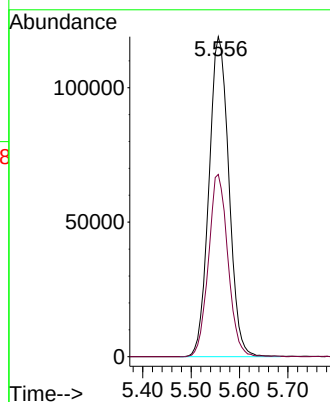
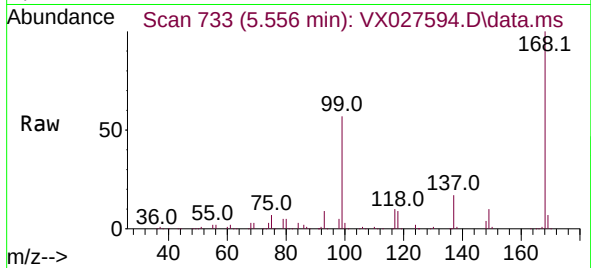




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

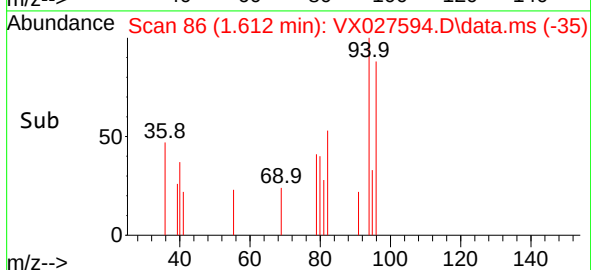
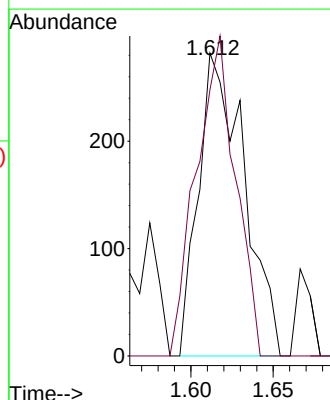
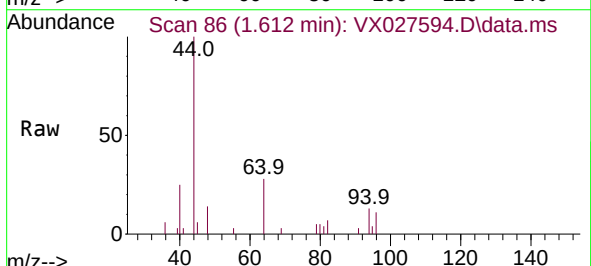
Instrument :
MSVOA_X
ClientSampleId :
RE-134D2-20220315

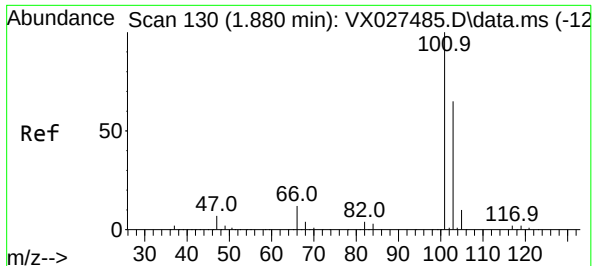
Tgt Ion:168 Resp: 340181
Ion Ratio Lower Upper
168 100
99 56.9 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Tgt Ion: 94 Resp: 545
Ion Ratio Lower Upper
94 100
96 87.9 75.3 112.9

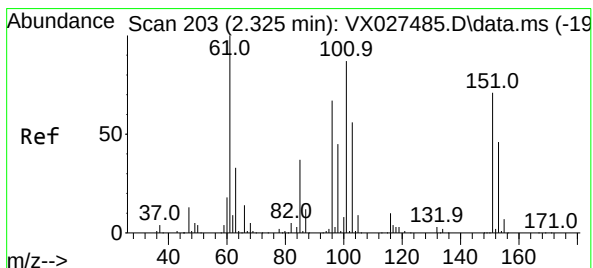
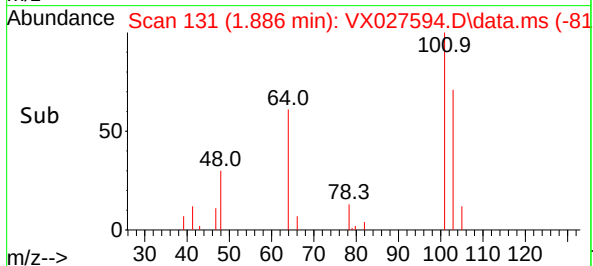
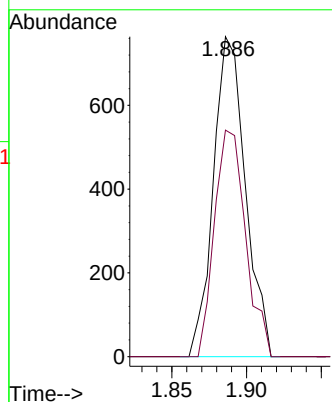
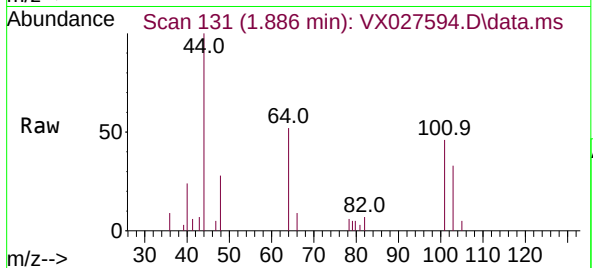




#7
 Trichlorofluoromethane
 Concen: 0.206 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX027594.D
 Acq: 21 Mar 2022 18:23

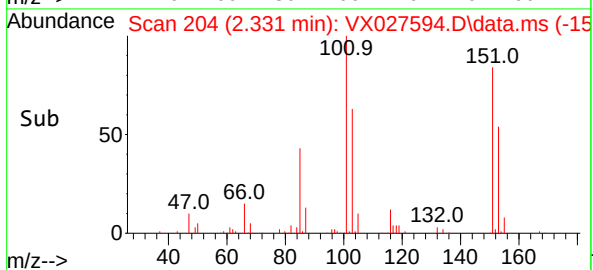
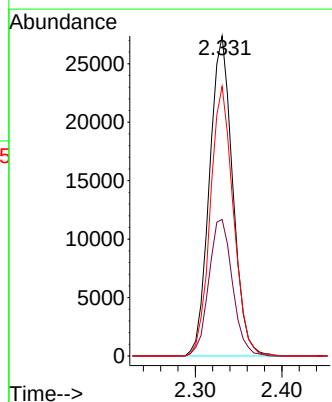
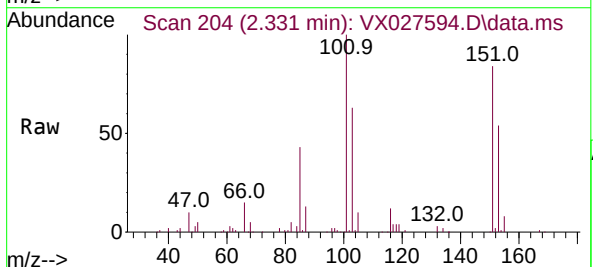
Instrument :
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 ClientSampleId :
 RE-134D2-20220315

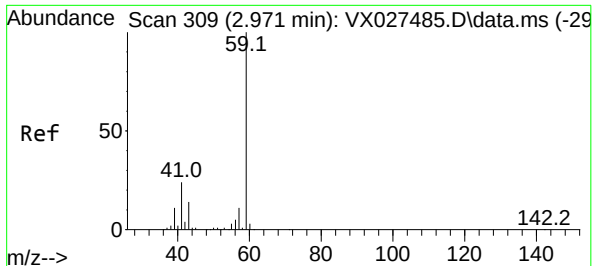
Tgt Ion:101 Resp: 1138
 Ion Ratio Lower Upper
 101 100
 103 70.8 50.5 75.7



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 15.467 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX027594.D
 Acq: 21 Mar 2022 18:23

Tgt Ion:101 Resp: 50921
 Ion Ratio Lower Upper
 101 100
 85 43.5 33.5 50.3
 151 83.6 61.8 92.6





#11

Tert butyl alcohol

Concen: 0.654 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX027594.D

Acq: 21 Mar 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

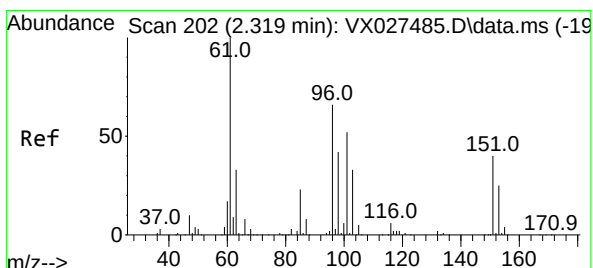
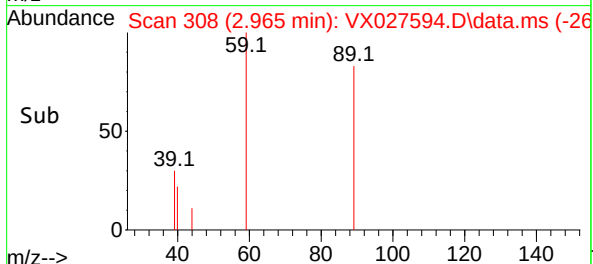
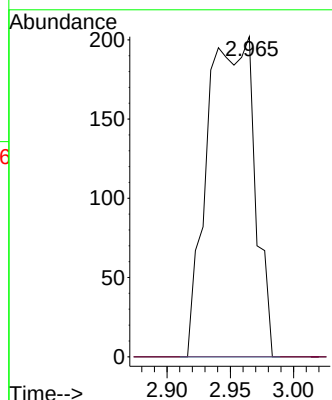
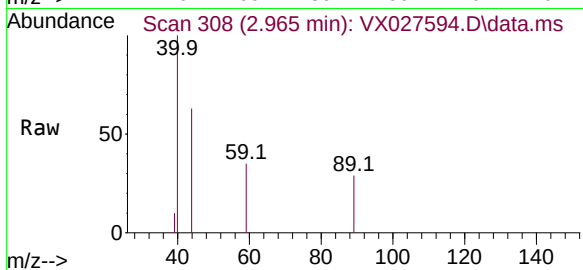
RE-134D2-20220315

Tgt Ion: 59 Resp: 522

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.433 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX027594.D

Acq: 21 Mar 2022 18:23

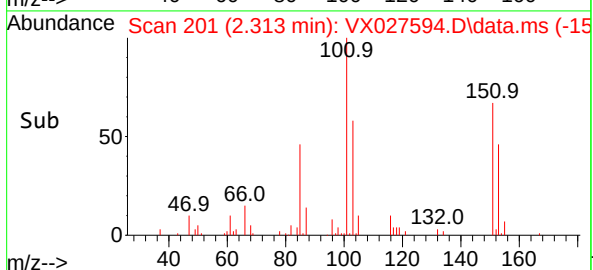
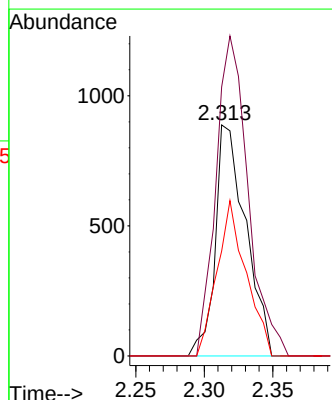
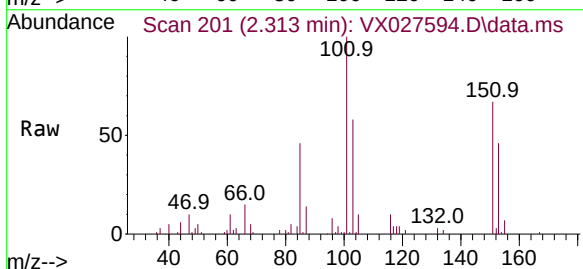
Tgt Ion: 96 Resp: 1369

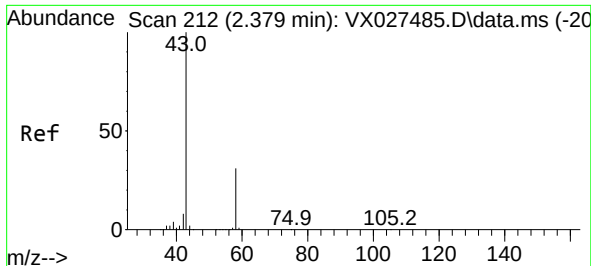
Ion Ratio Lower Upper

96 100

61 116.4 124.6 187.0#

98 45.4 51.0 76.4#

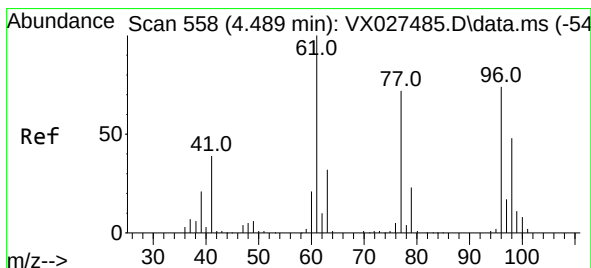
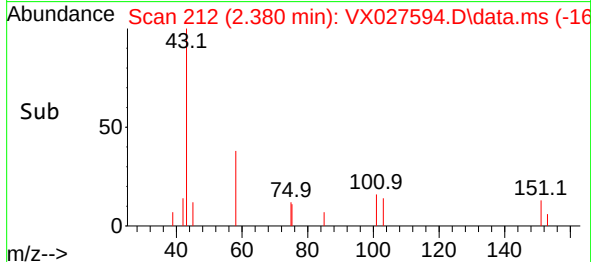
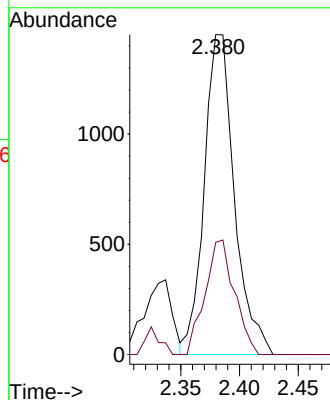
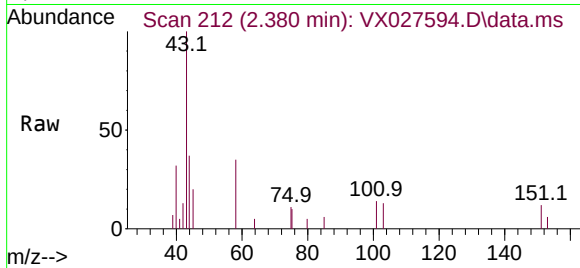




#16
Acetone
Concen: 1.517 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

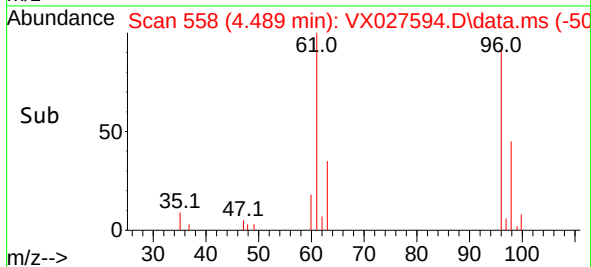
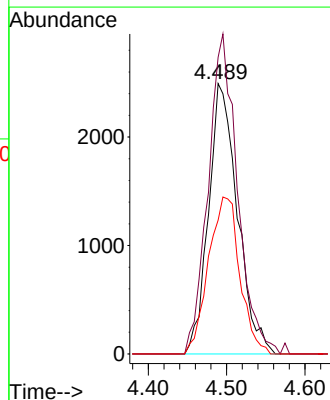
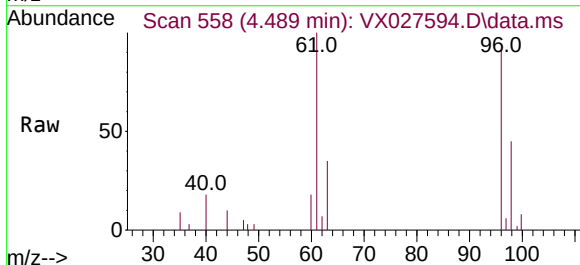
Instrument :
MSVOA_X
ClientSampleId :
RE-134D2-20220315

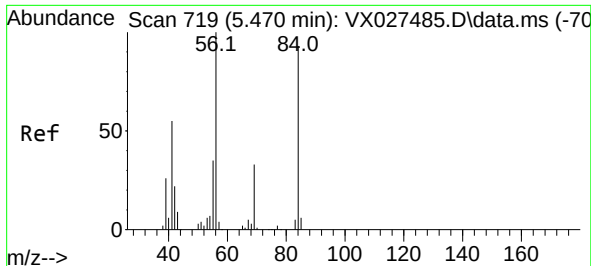
Tgt Ion: 43 Resp: 2592
Ion Ratio Lower Upper
43 100
58 35.1 28.8 43.2



#27
cis-1,2-Dichloroethene
Concen: 1.636 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Tgt Ion: 96 Resp: 6392
Ion Ratio Lower Upper
96 100
61 120.1 0.0 283.8
98 62.9 0.0 129.8

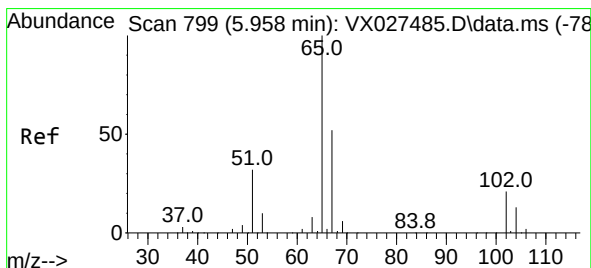
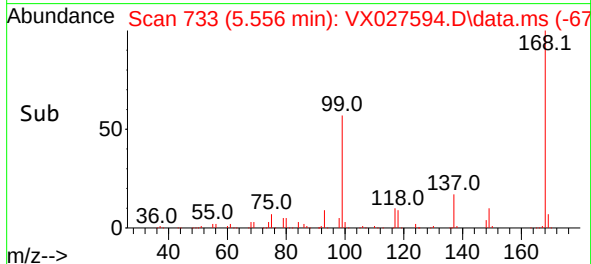
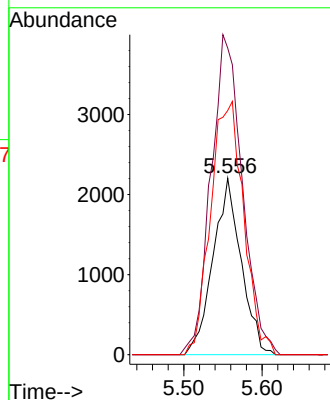
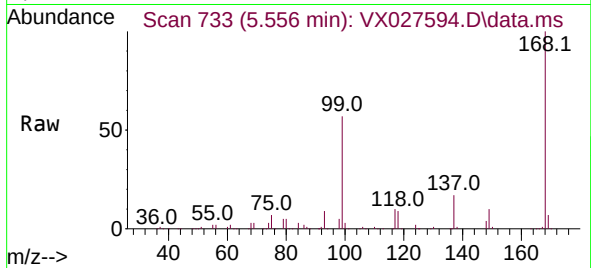




#31
Cyclohexane
Concen: 1.057 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

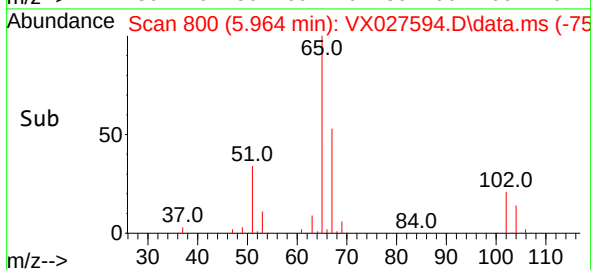
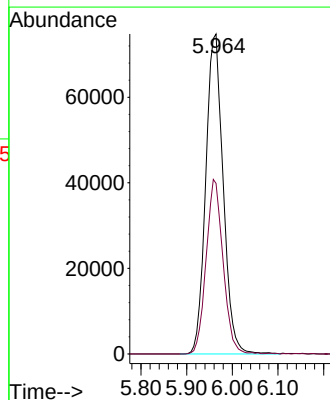
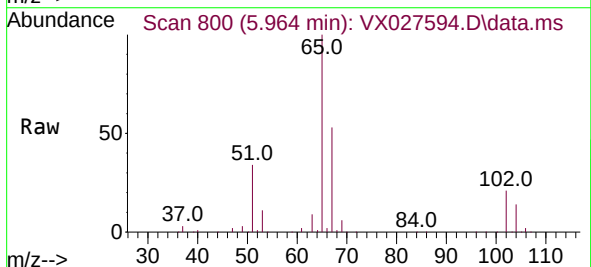
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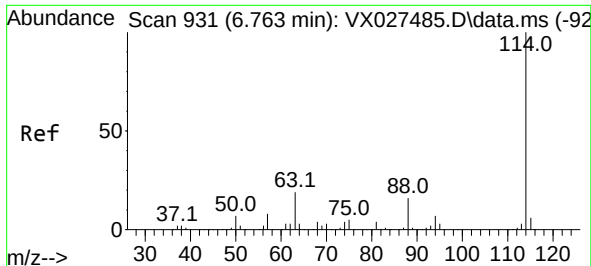
Tgt Ion: 56 Resp: 5502
Ion Ratio Lower Upper
56 100
69 173.7 26.7 40.1#
84 138.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.284 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Tgt Ion: 65 Resp: 198152
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4

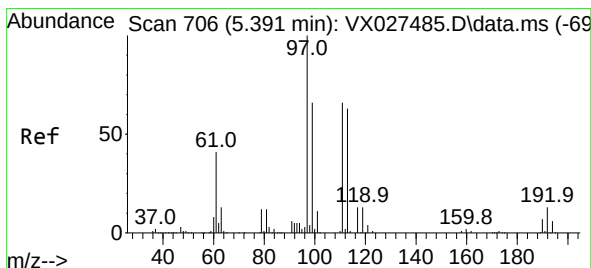
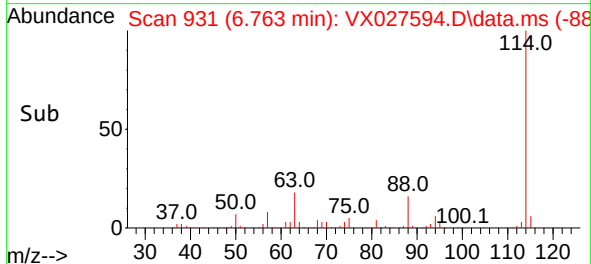
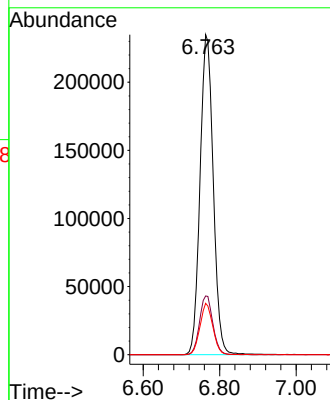
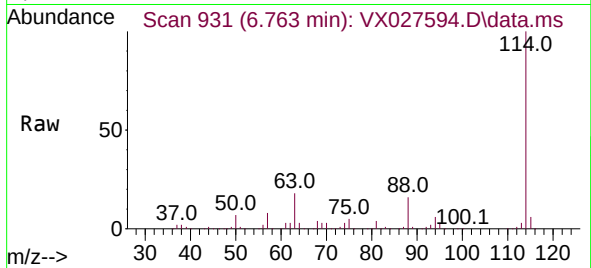




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX027594.D
 Acq: 21 Mar 2022 18:23

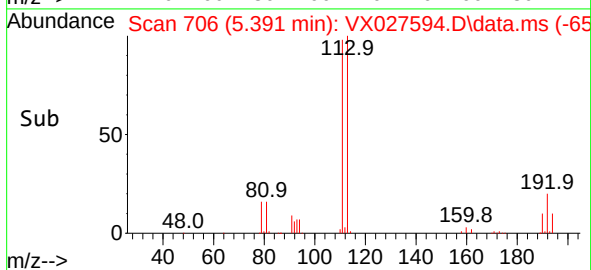
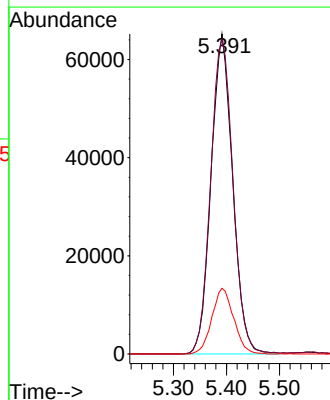
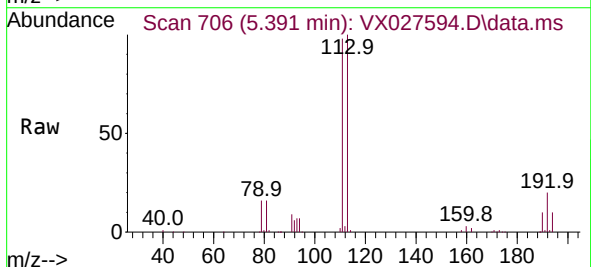
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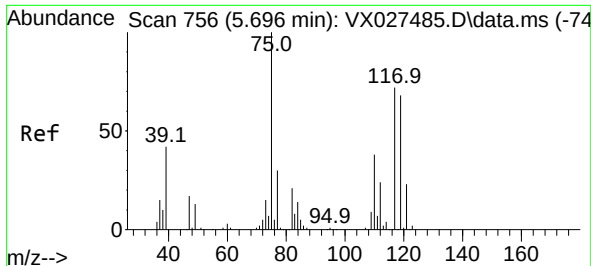
Tgt Ion:114 Resp: 561925
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.8
 88 16.1 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 50.862 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX027594.D
 Acq: 21 Mar 2022 18:23

Tgt Ion:113 Resp: 183884
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.8 124.2
 192 20.8 16.9 25.3

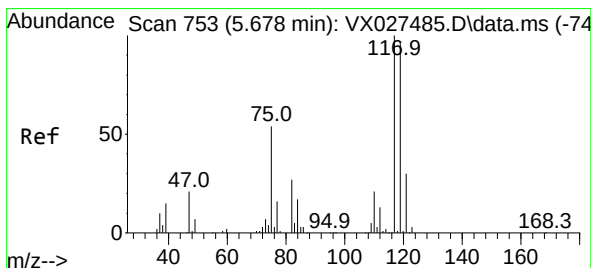
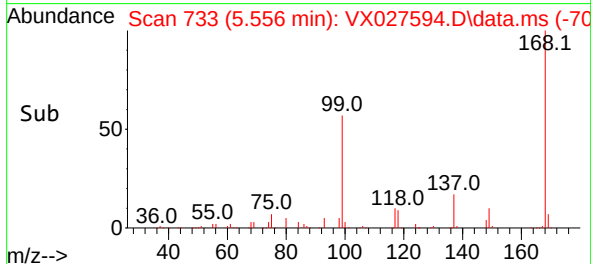
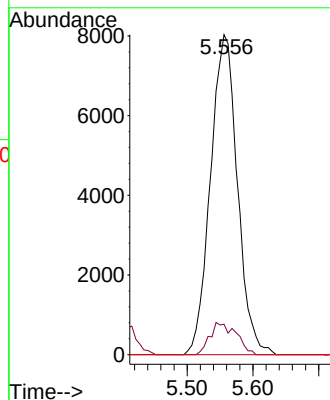
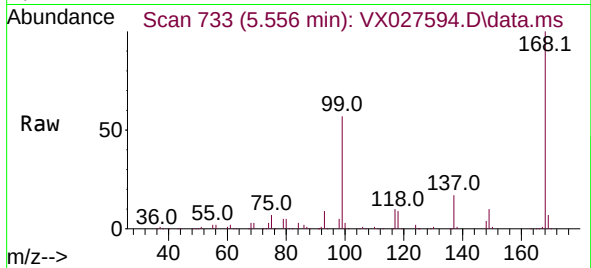




#36
1,1-Dichloropropene
Concen: 4.637 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

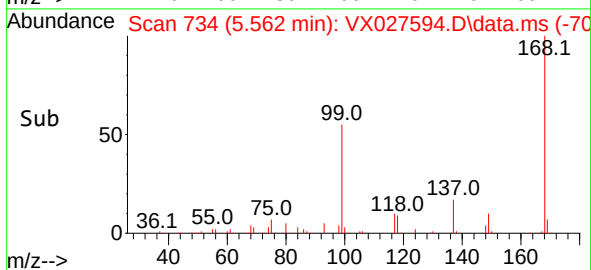
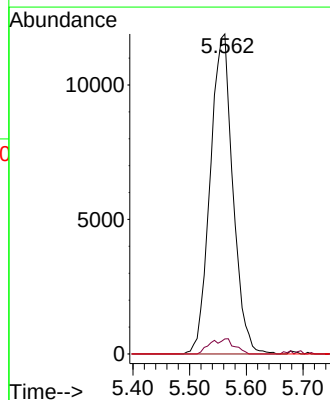
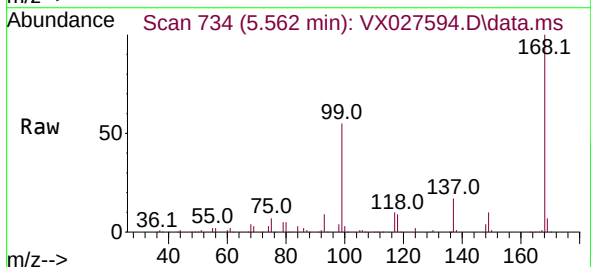
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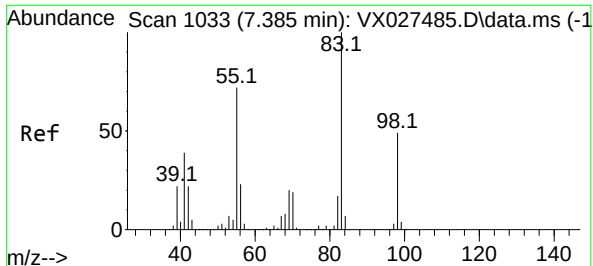
Tgt Ion: 75 Resp: 22908
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.841 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Tgt Ion: 117 Resp: 33012
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.712 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX027594.D

Acq: 21 Mar 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

RE-134D2-20220315

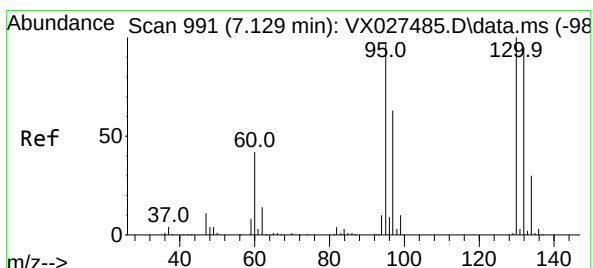
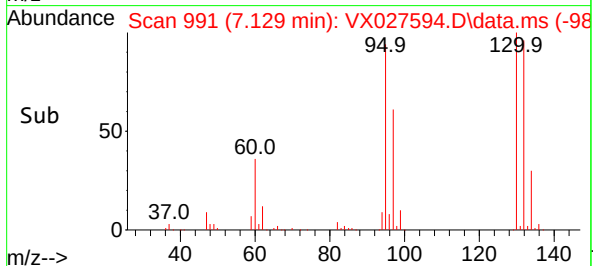
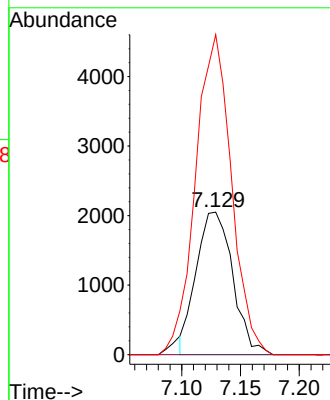
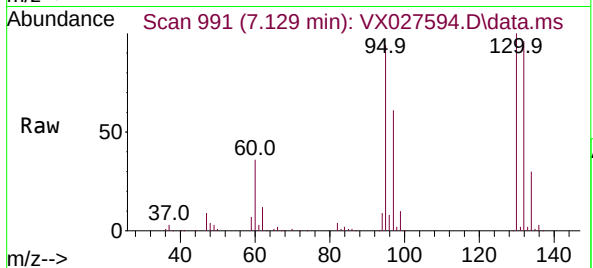
Tgt Ion: 83 Resp: 4425

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 224.4 37.4 56.2#



#44

Trichloroethene

Concen: 95.166 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX027594.D

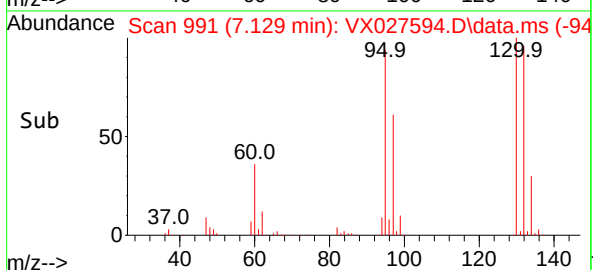
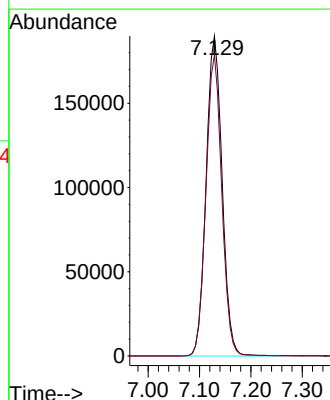
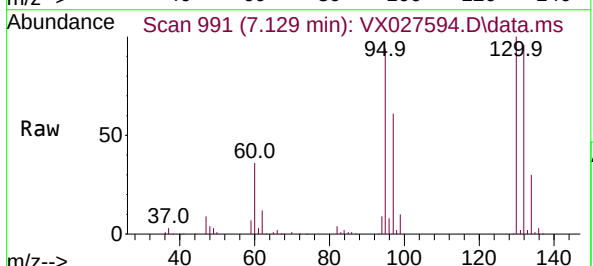
Acq: 21 Mar 2022 18:23

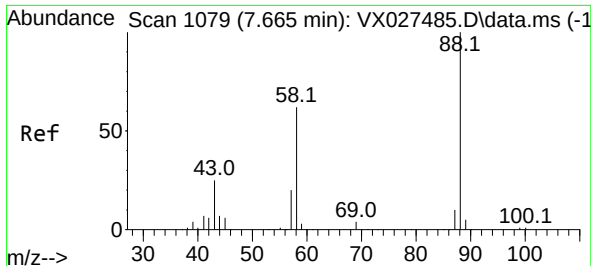
Tgt Ion:130 Resp: 409478

Ion Ratio Lower Upper

130 100

95 94.0 0.0 188.8





#49

1,4-Dioxane

Concen: 22.768 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX027594.D

Acq: 21 Mar 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

RE-134D2-20220315

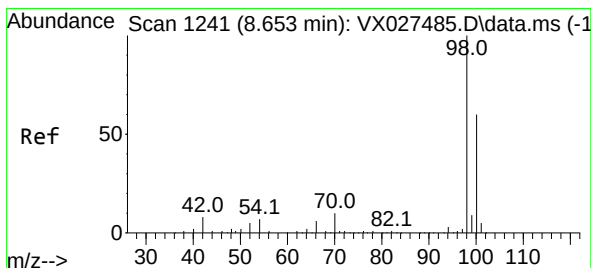
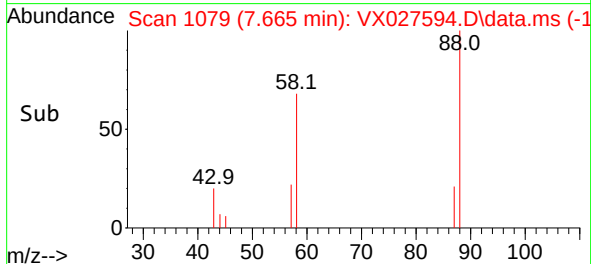
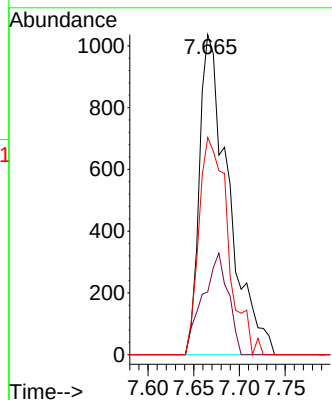
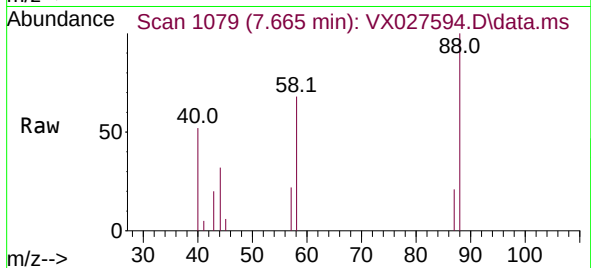
Tgt Ion: 88 Resp: 2293

Ion Ratio Lower Upper

88 100

43 27.6 21.9 32.9

58 68.0 53.7 80.5



#50

Toluene-d8

Concen: 47.543 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX027594.D

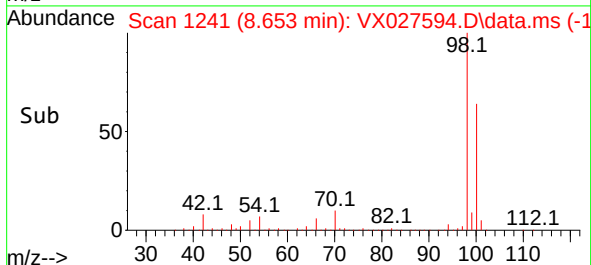
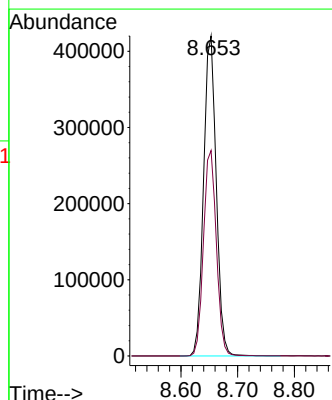
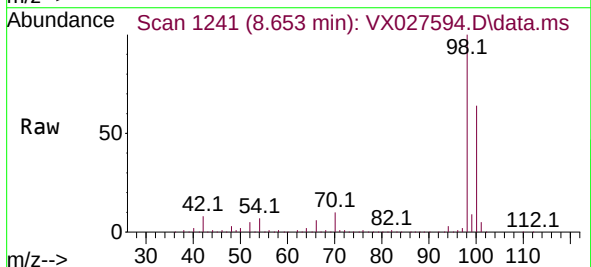
Acq: 21 Mar 2022 18:23

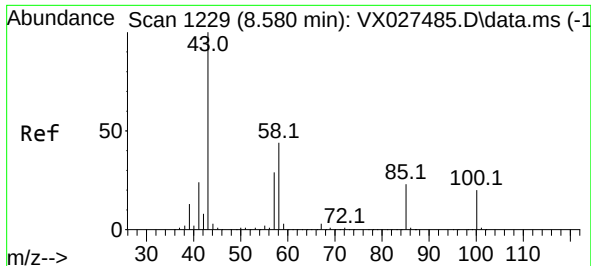
Tgt Ion: 98 Resp: 650427

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8

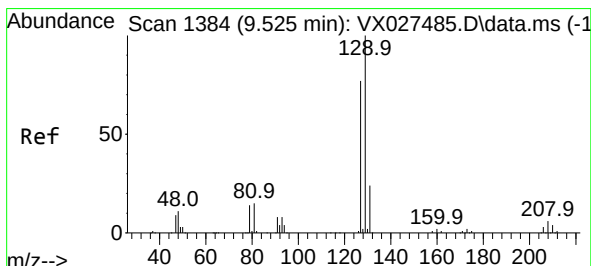
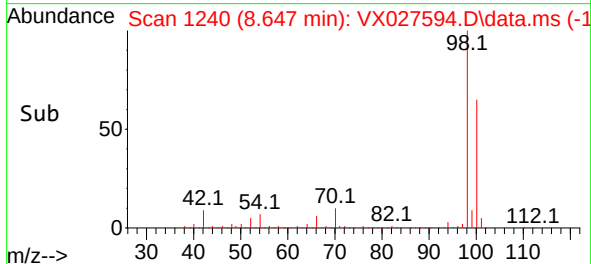
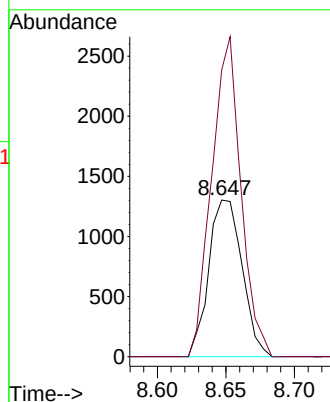
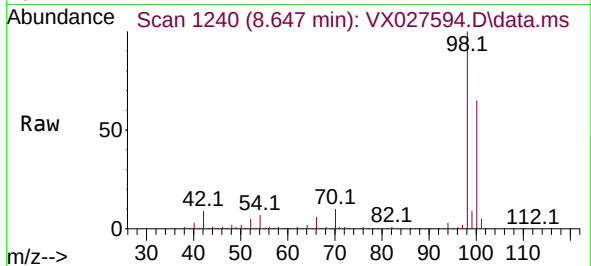




#51
4-Methyl-2-Pentanone
Concen: 0.436 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

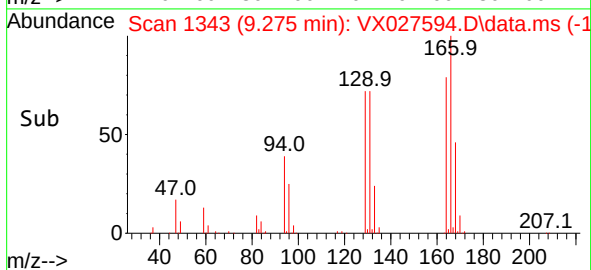
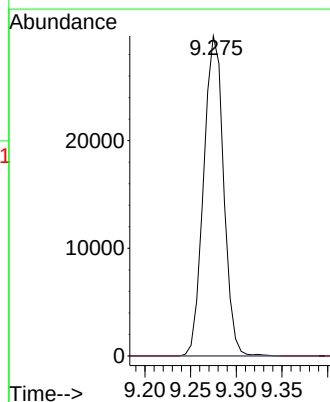
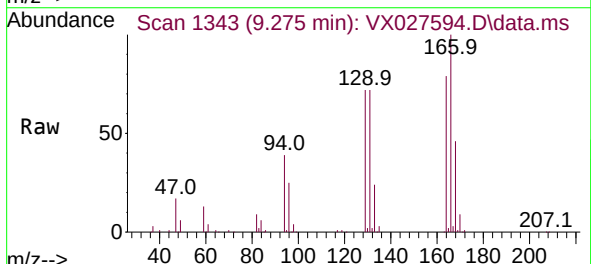
Instrument :
MSVOA_X
ClientSampleId :
RE-134D2-20220315

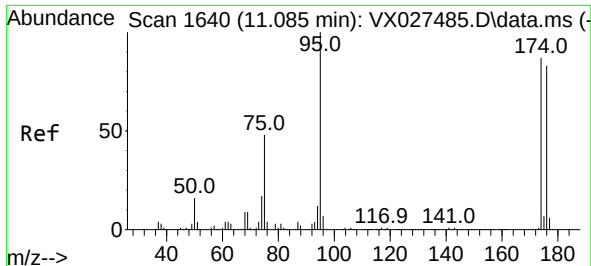
Tgt Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
58 179.6 36.1 54.1#



#60
Dibromochloromethane
Concen: 10.620 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Tgt Ion: 129 Resp: 45213
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#

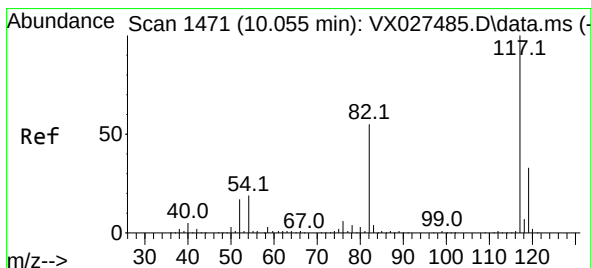
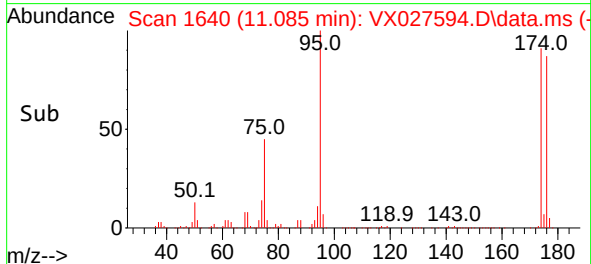
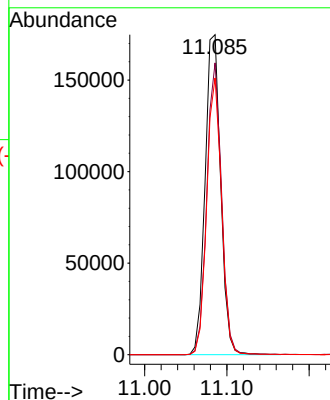
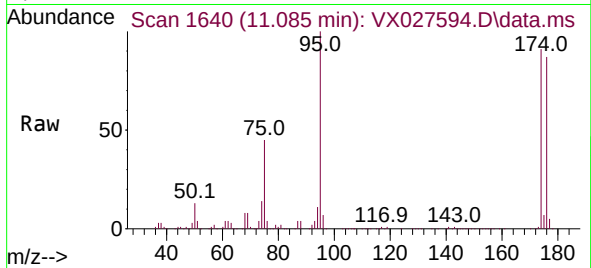




#62
4-Bromofluorobenzene
Concen: 45.621 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

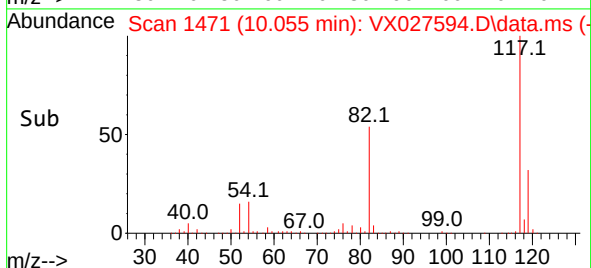
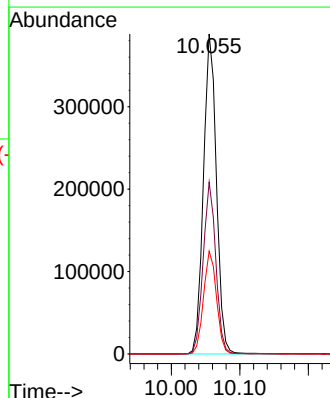
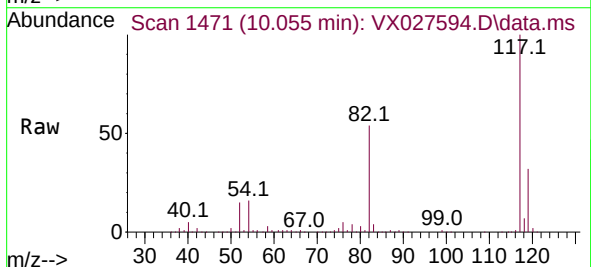
Instrument :
MSVOA_X
ClientSampleId :
RE-134D2-20220315

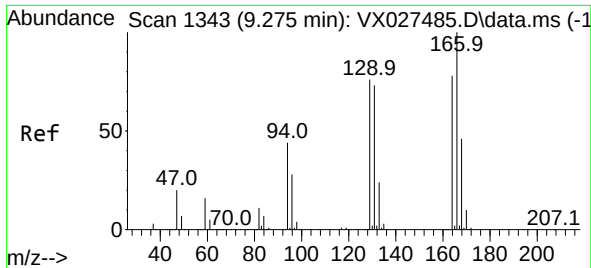
Tgt Ion: 95 Resp: 229404
Ion Ratio Lower Upper
95 100
174 86.5 0.0 163.0
176 82.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Tgt Ion: 117 Resp: 512789
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.8
119 32.2 24.8 37.2

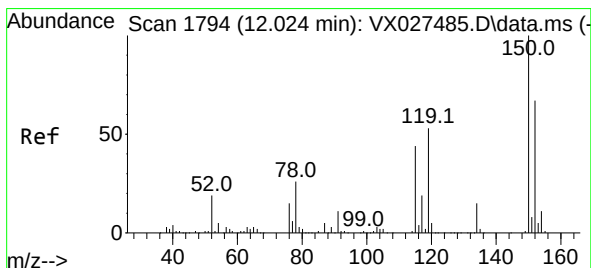
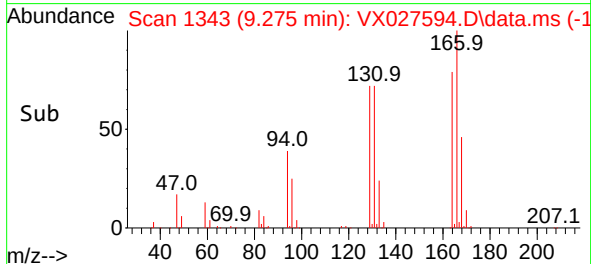
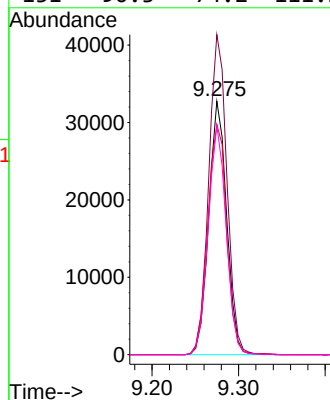
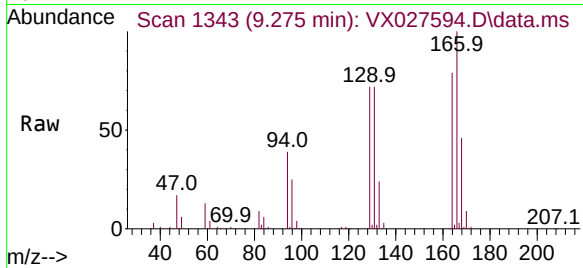




#64
Tetrachloroethene
Concen: 11.771 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

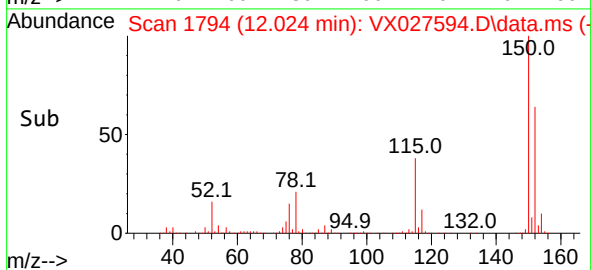
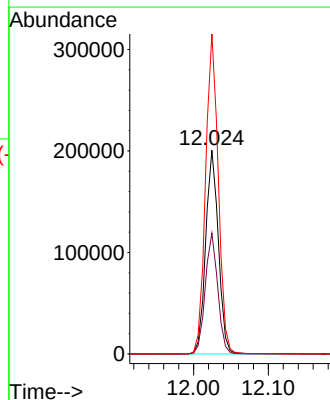
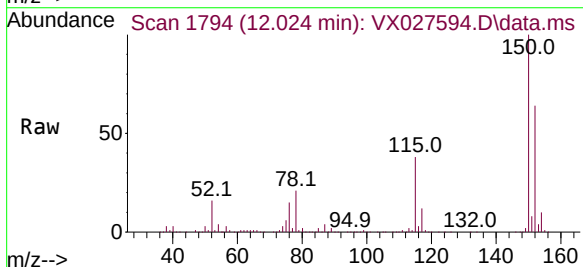
Instrument :
MSVOA_X
ClientSampleId :
RE-134D2-20220315

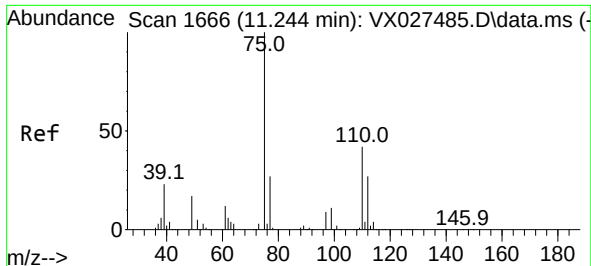
Tgt Ion:164	Resp:	46930
Ion	Ratio	Lower Upper
164	100	
166	126.3	101.2 151.8
129	90.8	73.0 109.4
131	90.3	74.2 111.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Tgt Ion:152	Resp:	236745
Ion	Ratio	Lower Upper
152	100	
115	58.3	37.5 112.7
150	156.8	0.0 338.2

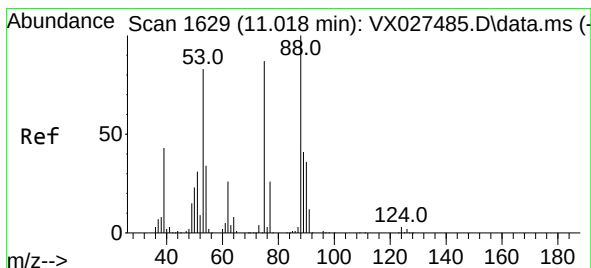
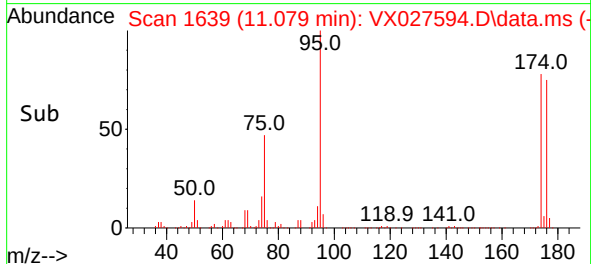
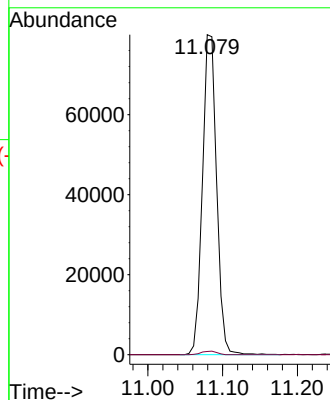
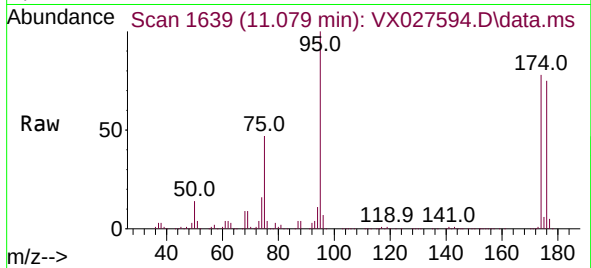




#76
1,2,3-Trichloropropane
Concen: 21.254 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
RE-134D2-20220315

Tgt Ion: 75 Resp: 105249
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027594.D
Acq: 21 Mar 2022 18:23

Tgt Ion: 75 Resp: 105249
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

